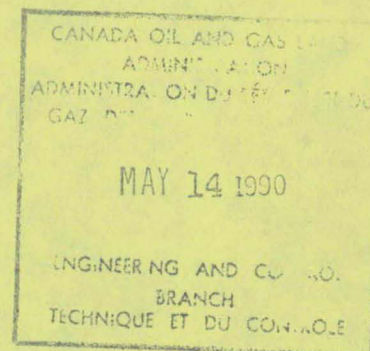


OTTAWA COPY

**FINAL WELL REPORT
PETRO-CANADA SWEDE E-02**



COMPILED BY:
PETRO-CANADA INC.
EXPLORATION OPERATIONS GROUP
CALGARY, ALBERTA
MAY, 1990

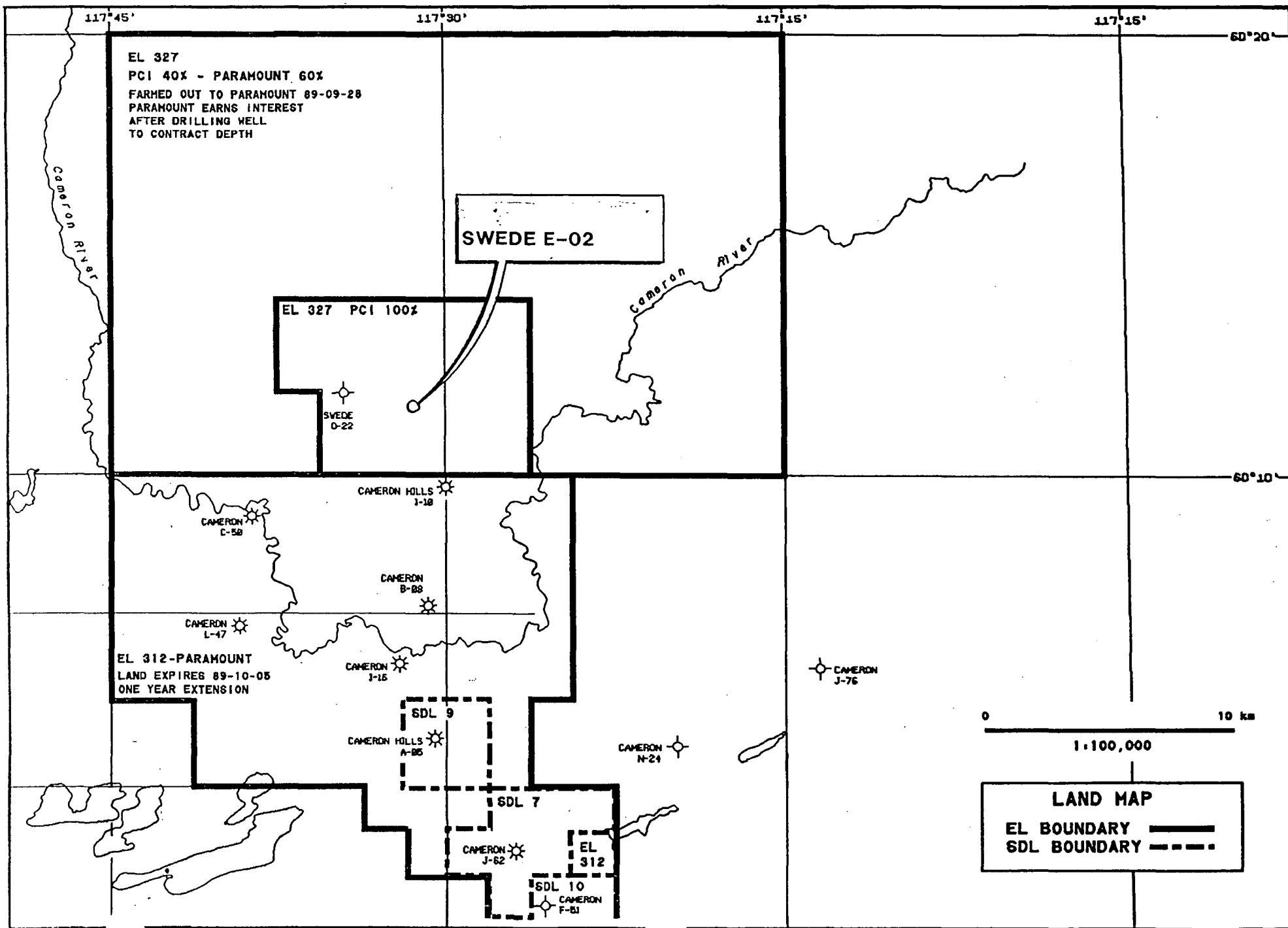
J.L. COTTERILL, MANAGER
EXPLORATION OPERATIONS

**MICROFILMED
SUR MICROFILM:**

WELL HISTORY REPORT

PETRO-CANADA SWEDE E-02

PART I	ENGINEERING SUMMARY
PART II	GEOLOGICAL SUMMARY
PART III	WELLSITE GEOLOGICAL REPORT
PART IV	MUDLOGGING REPORT
PART V	DRILL STEM TESTING REPORTS A) DST #1 CLOSED CHAMBER TEST REPORT B) DST #1 DST REPORT C) DST #1 ANALYSIS D) DST #2 CLOSED CHAMBER TEST REPORT E) DST #2 DST REPORT
PART VI	ANALYSES A) CORE ANALYSIS B) FLUID ANALYSIS C) LOG ANALYSIS
APPENDIX	A) PETROLOG B) MUDLOG C) GEOLOGICAL STRIP LOG



FINAL WELL REPORT

PCI SWEDE E-02

Prepared by:

**Brian Hebert
1990-03-20**

FINAL WELL REPORT

A) INTRODUCTION

1. Summary
2. Location Map

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1. Well Name and Number
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6. Drilling Unit
7. Position Keeping
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9. Sidetracked Hole
10. Drilling Fluids
11. Fishing Operations
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13. Formation Leak-Off Tests
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2. Wellbore Schematic
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FINAL WELL REPORT

A. INTRODUCTION

1. Summary

PCI Swede E-02 was the first of two wells drilled by Petro-Canada during 1990 in the N.W.T. The primary objective was the Slave Point formation and the Pine Point formation was a secondary objective.

The location co-ordinates for this well are 60°11' 26.029" North Latitude, 117° 31' 24.727" West Longitude.

Petro-Canada Incorporated of Calgary operated the well. Hi-Tower Drilling, the Contractor, used Hi-Tower Rig #2 (diesel mechanical) to drill this well.

The well was drilled to a total depth of 1527 m. Drilling operations, including evaluation and abandonment, were completed in 29.4 days.

Conductor casing - 339.7 mm, 81.1 kg/m, K-55, ST&C - was set at 24 m with a rat hole rig and cemented.

PCI Swede E-02 was spudded on 1990-01-19 at 1500 hours with Hi-Tower Rig #2. A 311.2 mm hole was drilled to 416 m. Surface casing - 244.5 mm, 48.07 kg/m, H-40, ST&C - was set at 416 m and cemented with 15 tonnes of Class "G" + 1% CaCl_2 and 20 tonnes of Class "G" + 2% CaCl_2 .

A 222.2 mm hole was drilled using a gel-chemical drilling fluid system. At 1377 m, an 18 m (200 mm) core was cut in the Slave Point.

After reaming the cored interval, a DST was performed in the Slave Point formation.

The well was then drilled to 1527 m. The well was open-hole logged and one DST was performed in the Pine Point formation.

The well was plugged and abandoned and rig released on 1990-02-17 at 2359 hours.

L - 2

270° 32' 32"
433.26

N. 6672668.16
E. 470972.02

Sta. E-2-4
I. bar & B.T.s

Fd. S.P. Tag
No. 220
Ln. 8093

Muskeg
covered with spruce up to
10 cm in diameter

Fd. S.P. Tag
No. 222
Ln. 8093

E - 2

F - 12. N

PROPOSED
ACCESS ROAD

Sta. E-2-5
I. bar & B.T.s

CAMP SITE
OFFSITE SUMP
AND
BORROW PIT

Seismic Line
No. 8093

SCALE: 1:2500
DATE: JAN. 11 / 90

PETRO-CANADA INC.
SKETCH PLAN SHOWING
SHOT POINTS IN VICINITY OF
WELL SITE "PCI SWEDE E-02"
GRID AREA 60°20' 117°30' N.W.T.

McElhannay Land Surveys

PCI SWEDE E-02

C. SUMMARY OF DRILLING OPERATIONS

1. Elevations: Ground: 805.05 m
Kelly Bushing: 810.10 m
2. Total Depth: Drilled: 1527 m
Logged: 1527 m
3. Date and Hour Spudded: 1990-01-19 - 1500 hours
4. Date Drilling Completed: 1990-02-10 - 0935 hours
5. Date of Rig Release: 1990-02-17 - 2359 hours
6. Well Status: Abandoned

7. Hole Sizes and Depths:

<u>Class</u>	<u>Bit Numbers</u>	<u>Size (mm)</u>	<u>Depth (m)</u>		<u>Meters Drilled</u>	<u>Remarks</u>
			<u>In</u>	<u>Out</u>		
Surface	1A	311.2	0	266	266	Core Ream 18 m Condition Mud
	2A	311.2	266	416	150	
Main	1	222.2	416	843	427	
	2	222.2	843	1104	261	
	3	222.2	1104	1377	273	
	4	200.0	1377	1395	18	
	5RR	222.2	1395	1396	1	
	6RR	222.2	1396	1396	0	
	7	222.2	1396	1527	131	

8. Casing and Cementing Details

<u>Hole Classification</u>	<u>Conductor</u>	<u>Surface</u>	<u>Main</u>
Hole Size : (mm)	444.5	311.2	222.2
Casing Size: (mm)	339.7	244.5	Abandoned
Weight: (kg/m)	81.1	48.07	
Grade:	K-55	H-40	
Coupling:	ST&C	ST&C	
Number of Joints:	2	33	
Number of Centralizers		6	
Date of Run:	90-01-17	90-01-22	
Shoe Depth: (m)	24	416	
Tonnes of Cement:		35	
Type of Cement:	Class "G"	Class "G"	
Additives:	3% CaCl ₂	1-2% CaCl ₂	
Height of Cement:	Surface	Surface	
Based on:	Returns	Returns	

9. Sidetracked Hole - None

10. Drilling Fluids

The surface hole to 416 m was drilled using a gel/lime slurry. The main hole to T.D. at 1527 m was drilled using a gel/chemical system.

Summary of Mud Properties

<u>Section</u>	<u>Interval (m)</u>	<u>Weight (kg/m³)</u>	<u>Funnel Vis (s/l)</u>	<u>Water Loss (Avg. cm³)</u>	<u>pH (Avg)</u>	<u>Cl- (10³mg/l)</u>
Conductor	0-24	-	-	-	-	-
Surface	24-416	1180	90	-	10	-
Main	416-1527	1100	52	8.0	10	0.4

11. Fishing Operations - None

12. Well Kicks - None

13. Formation Leak-Off Tests

A formation integrity test was run on 1990-01-24 after drilling out the surface casing shoe at 416 m and drilling to 421 m. Water was used for this test (4081 kPa hydrostatic at shoe) and a surface pressure of 5071 kPa was held for minutes with no formation breakdown. The total pressure at the shoe (9152 kPa) is equivalent to a leak-off gradient of 22.0 kPa/m (2243 kg/m³) EMD).

14. Time Breakdown

	<u>Surface</u>	<u>Main</u>	<u>Total</u>
Drill	34.50	193.75	228.25
Trip	18.75	149.75	168.50
Ream/Clean	4.00	3.25	7.25
Conditioning	7.75	70.25	78.00
Rig Service	1.50	13.50	15.00
Mech. Downtime	8.00	13.75	21.75
Survey	4.00	6.25	10.25
CSG-CMT-WOC	11.25	6.50	17.75
Head up/P Test	13.75	59.00	62.75
Coring		6.50	6.50
Logging		18.00	18.00
DST		48.50	48.50
W.O.O.		21.50	21.50
Abandonment		16.00	16.00
TOTAL	103.50	626.50	730.00

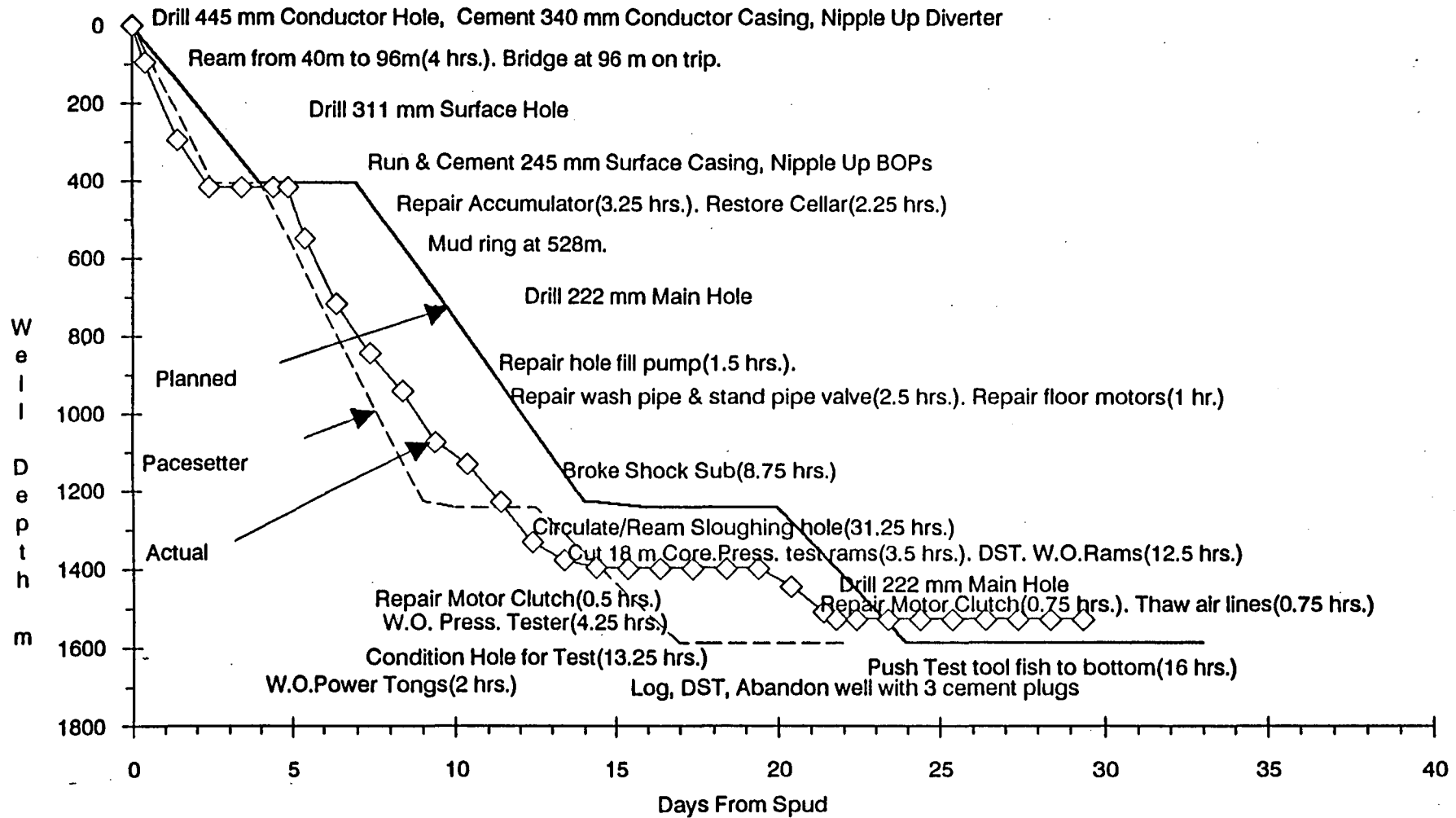
15. Deviation Survey

No directional survey was made of this well. Maximum deviation was 1½° at 75 m. The maximum possible displacement of the bottom hole location with respect to the surface location is only 13 m.

16. Abandonment Plugs

<u>Type of Plug</u>	<u>Interval (m)</u>	<u>Felt at (m)</u>	<u>Cement + Additives</u>	<u>Fluid Between Plugs</u>
Cement	1527-1347	No Feel	15 t Class "G" + 0.2% R-5 + 0.75% T-10	Gel/Chemical Mud
Cement	587-401	372	20 t Class "G" + 0.75% T-10 + 1% CaCl ₂	
Cement	18-0	Visual to surface	1 t Class "G" + 0.75% T-10 + 1% CaCl ₂	Gel/Chemical Mud

PCI Swede E-02



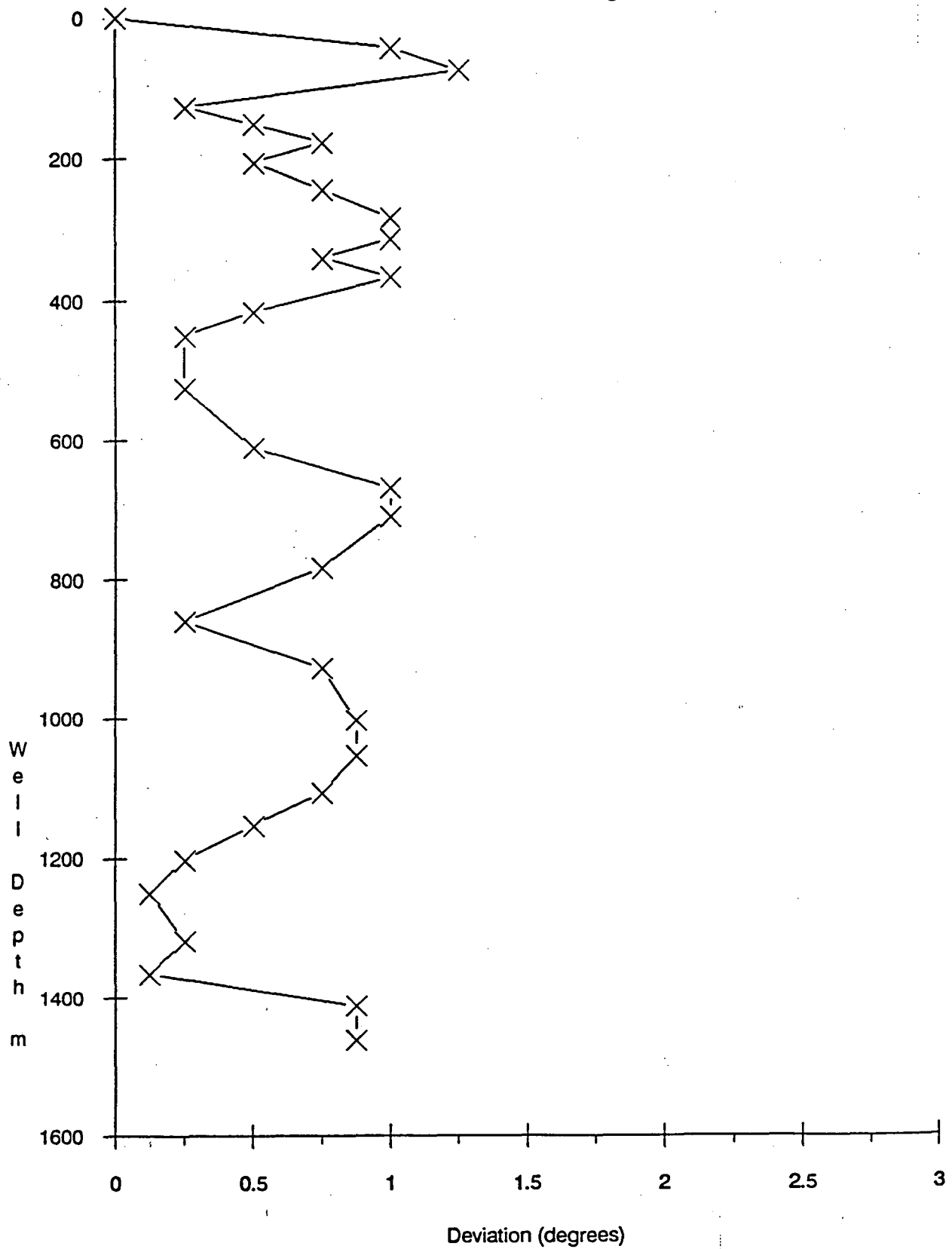
FINAL WELL REPORT

PCI SWEDE E-02

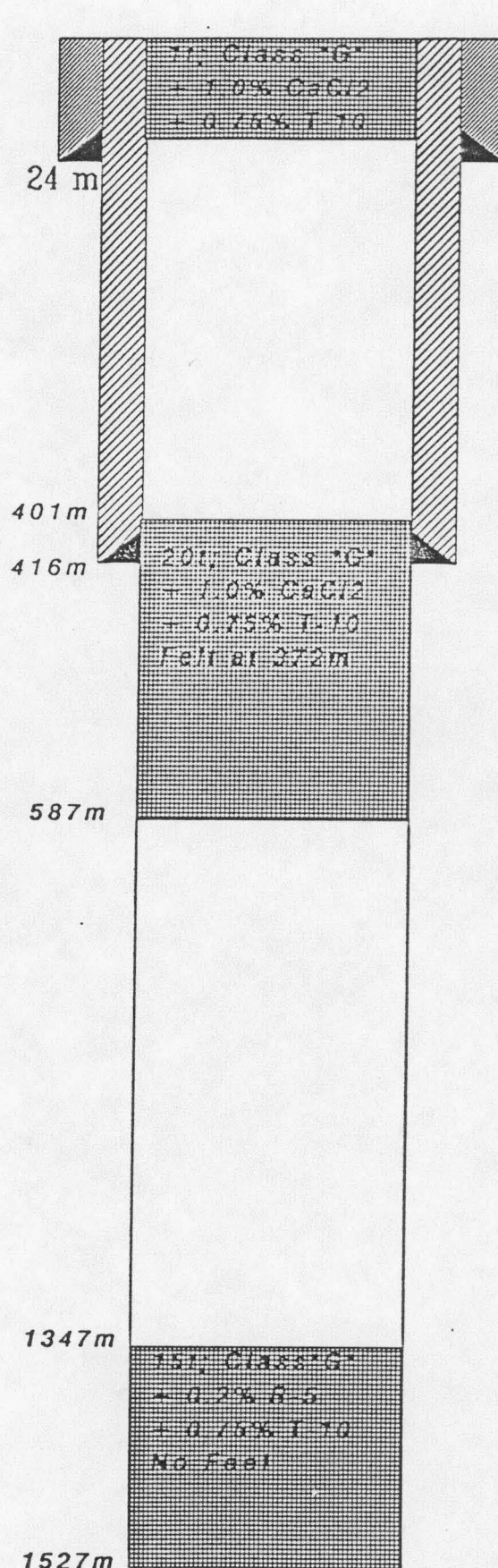
APPENDIX

PCI SWEDE E-02

Deviation Log



PCI SWEDE E - 02



Conductor Hole Size: 445 mm
 Conductor Casing: 340 mm,
 81.1 kg/m, K-55, ST&C
 Cement: Class "G" + 3% CaCl₂

Surface Hole Size: 311mm

Surface Casing: 245 mm,
 48.07 kg/m, H-40, ST&C
 Cement: Class "G" + 1-2% CaCl₂

Hole Size: 222 mm



Canada Oil and Gas Administration du pétrole
Lands Administration et du gaz des terres du Canada

D.A. 1405

Nova Scotia ☐
Newfoundland ☐
Gulf of St. Lawrence ☐

West Coast ☐
Northern ☐
Hudson Bay ☐

Well Status
Suspended ☐
Completed ☐
Abandoned ☐

WELL TERMINATION RECORD

This record is submitted in triplicate in compliance with Section 184 of the Canada Oil and Gas Drilling Regulations.

WELL DATA

Well Name: PCI Swede E-02 Area: North West Territories
Grid Area: 60-20-117-30 Field/Pool: Cameron Hills
Permit or Lease No.: EL 327 Final Coordinates: Lat: 60°11'26.029" Long: 117°31'24.727"
Drilling Unit: Hi Tower #2 Elevations-RT/KB: 810.10 m SFGW: 805.08 m
Spud Date: 90-01-19 @ 15:00 Rig Released: 90-02-17 @ 23:59 Total Depth: 1527 m

CASING AND CEMENTING

O.D.	Weight	Grade	Depth Set	Cement and Additives
244.5 mm	48.07 kg/m	H-40	416 m	0-187 m: 15t. Class "G" + 1% CaCl ₂
				187-416 m: 20t. Class "G" + 2% CaCl ₂

PLUGGING PROGRAM

Approval of the following program was obtained by (person) Brian Hebert from
(person) Dave Scratch of the Canada Oil and Gas Lands Administration by means of
telephone on February 15 19 90

Type of Plug	Interval	Felt	Cement and Additives
Class "G"	1527-1347 m	Not Required	15t. Class "G" + 0.2% R-5 + 0.75% T-10
Class "G"	587-401 m	With Drill Pipe	20t. Class "G" + 0.75% T-10 + 1% CaCl ₂
Class "G"	18-0 m	Visual Cement to Surface	1t. Class "G" + 0.75% T-10 + 1% CaCl ₂

Lost Circulation/Overpressure Zones: None

Equipment left on Seafloor (Describe) N/A

Provision for Re-entry (Describe and attach sketch): N/A

Cores: Type: Conventional Intervals: 1377-1395 m

Other Downhole Completion/Suspension Equipment: None

CERTIFICATION

I certify on the basis of personal knowledge of operations undertaken at the above named well that the above information is accurate.

Signed: S. S. Hamler P. Eng.

Name: S. S. HAMLER

Title: Sup. Pch. Engg.

Date: 90-02-21

Acknowledged by: L. D. Jones

Engineering Branch

Date: 90-02-09

File: 9211-P28-5-1

GEOLOGICAL SUMMARY

WELL NAME: Petro-Canada Inc. Swede E-02 DATE: 90/04/17

STATUS: Plugged and Abandoned Gaswell

LOCATION: Lat. 60°11'26.029"N
Long. 117°31'24.727"W

SPUD DATE: 1990-01-19 @ 1500 hrs. R.R.: 1990-02-17
Seismic Line: 8093, Shotpoint 221

ELEVATION: K.B. 810.1 metres TOTAL DEPTH:
D.F. 809.8 metres 1527 metres (driller)
G.L. 805.0 metres 1524.8 metres (logger)

PRIMARY OBJECTIVE: Slave Point (gas)

SECONDARY OBJECTIVE: Sulphur Point (gas/oil)
Pine Point (gas/oil)

Play Summary:

PCI Swede E-02 was drilled to evaluate a linear, anticlinal closure with a superimposed seismic character anomaly. The anomaly was modeled and associated with a porosity zone in the Slave Point Formation.

Results

1. The well flowed gas to surface at a rate of 17 mcf from the upper part of the Slave Point Formation (see DST #1). Wireline log analysis identified 1.8 metres of net gas pay between 1372 and 1373.8 metres with an average porosity of 4.5% and an average water saturation of 35%.
2. The basal part of the Pine Point Formation is water wet (see DST #2).
3. A basal Cretaceous sandstone directly above the Wabamun Formation (Paleozoic Unconformity) is evaluated as water wet from wireline logs.

Log Analysis (from R. Van Appelen)

<u>Unit/Zone</u>	<u>Interval Thickness (metres)</u>	<u>Average Porosity (%)</u>	<u>Average Water Saturation (%)</u>	<u>Comments</u>
Cretaceous Sand/565-67m	2	30.0	78	- gas shows
Slave Point/1372.8-73.8m	1	5.4	39	- gas shows - DST #1
Lower Pine Point/1463-72m	1	-	-	- gas shows - three thin zones could not be quantitatively evaluated
Lower Pine Point/1481.8-83.0m	1.2	11	48	- gas/oil shows - DST #2

Test And Significant Shows

<u>Unit/Zone</u>	<u>Show Description</u>
Cretaceous Sand/470 to 477 metres	- Poor-fair gas show
Cretaceous Sand/566 to 572 metres	- Poor gas show
Slave Point/ 1365 to 1396 metres	- Very poor gas show - Trace fluorescence
Sulphur Point/1427 to 1429 metres	- Poor gas show - Trace fluorescence
Pine Point/1473 to 1475 metres	- Poor-fair gas show - Spotty yellow fluorescence
Pine Point/1484 to 1486 metres	- Poor gas show - Poor yellow fluorescence
Pine Point/1488 to 1490 metres	- Poor gas show - Poor yellow fluorescence

DST #1 - Slave Point (1370-1396 metres)

- Bottomhole conventional mainflow closed chamber - estimated gas rate of 470m³/day (or 17 *mcf/d).

* A Level 2 DST Interpretation by Schlumberger calculated a damage ratio of 8.1 which indicates a potential flow rate of 3807m³/day (or 138 mcf/d). Type curve analysis yields a permeability of .165 md and an extrapolated reservoir pressure of 9840 kpa.

DST #2 - Pine Point (1477-1487 metres)

- Recovered 80 metres of gassified inhibitor, foam and saltwater and 700 metres of slightly gassy and oil stained saltwater.

Core Summary

Core No. 1 - Slave Point

- Interval 1377-1395 metres (driller depths)
Recovered 18 metres

<u>Interval</u>	<u>Porosity (Helium)</u>	<u>Porous Intervals</u>		
		<u>K_{max} (md)</u>	<u>K_{90°} (md)</u>	<u>KV (md)</u>
1377.42-77.54 (plug)	3.8%	.07	-	-
1377.54-77.73	2.7%	*	.05	*
1380.58-1380.81	2.7%	<.01	<.01	<.01
1380.81-81.00	3.3%	.05	<.01	.05
1387.98-88.11	2.5%	.02	.02	<.01

* Unsuitable for analysis

Note: The porous intervals do not qualify as reservoir. Reservoir cut-offs are; porosity - 3%, permeability - .1 md

Gas Analysis - from DST #1, Slave Point Fm., Compositional Analysis (mole fraction)

H ₂	.0006	C ₁	.8695
H _e	.0008	C ₂	.0147
N ₂	.0819	C ₃	.0072
CO ₂	.0193	C ₄ i	.0011
H ₂ S	.000	C ₄	.0022
		C ₅ i	.0006
		C ₅	.0006
		C ₆	.0005
		C ₇ ⁺	.001

Density .774 kg/m³

The results indicate a dry, sweet gas.

Compiled by J. Bever

90-04-17

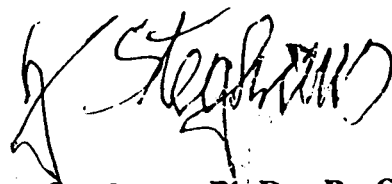
JB/cdl

GEOLOGICAL REPORT

PCI SWEDE E-02

LATITUDE N. 60° 11' 26.029"
LONGITUDE W. 117° 31' 24.727"

PREPARED FOR:
PETRO-CANADA INC.
FEBRUARY 1990

A handwritten signature in black ink, appearing to read 'H. Steghaus', is written over a faint, larger version of the same signature.

H. Steghaus, Ph.D., P. Geol.

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CORE DESCRIPTION	14
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PERTINENT DATA

WELL NAME: PCI Swede E-02
 COORDINATES: Latitude N. 60° 11' 26.029"
 Longitude W. 117° 31' 24.727"
 ELEVATIONS: Ground: 805.05 m K.B.: 810.1 m
 TOTAL DEPTH: Driller: 1527.0 m Logger: 1524.8 m
 WELL TYPE: Exploratory
 STATUS: Dry and abandoned
 OPERATOR: Petro-Canada Inc.
 CONTRACTOR: Hi Tower Drilling Rig #2
 SPUD DATE: 90/01/19 15:00 h
 COMPLETED DRILLING: 90/02/10 09:35 h
 RIG RELEASED: 90/02/17 23:50 h
 SAMPLES: Company: 420-1527 m Government: 420-1527 m
 + Geo-Chem.
 CORED INTERVALS: 1377 - 1395 m
 TESTS: Two
 LOGS: Schlumberger PI-SFL 413.5 - 1523.0 m
 CNL-LDL 413.5 - 1524.0 m
 Microlog 413.5 - 1036.5 m
 1325.5 - 1516.0 m
 BCSL 413.5 - 1522.3 m
 Velocity 413.5 - 1522.3 m
 CASING: 244.5 mm at 416.0 m

GEOLOGICAL MARKERS

<u>Marker</u>	<u>Prognosis</u> (m)	<u>Sample</u> (m)	<u>Log</u> (m)	<u>Subsea</u> (m)	<u>Thickness</u> (m)
Wabamum	-----	575	571	+239.1	302
Twin Falls	-----	875	873	-62.9	145
Hay River	-----	1020	1018	-207.9	292
Beaverhill Lake	1310	1315	1310	-499.9	27
Muskwa	1339	1345	1337	-526.9	25
Slave Point	1364	1370	1362	-551.9	57
Watt Mountain	1419	1415	1419	-608.9	4
Sulphur Point	1422	1425	1423	-612.9	7
Pine Point	1452	1435	1430	-619.9	64
Predevonian	1514	1495	1494	-683.9	

SAMPLE DESCRIPTION

PCI Swede E-02

415 - 425 m	Shale, grey; loose quartz and feldspar grains, very coarse to medium, angular to subrounded.
425 - 430 m	Shale, grey to dark grey, part micro pyritic; loose grains as above.
430 - 435 m	Sandstone, unconsolidated, quartz and feldspar grains, medium to coarse, subrounded to angular, poorly sorted; shale as above.
435 - 440 m	Shale, dark grey to grey, micro pyritic to pyritic; sandstone, quartz and some feldspar grains, medium to very coarse, angular to round, poorly-sorted, highly friable, good porosity.
440 - 450 m	Shale and some sandstone as above; stringers of siltstone, grey.
450 - 460 m	Shale, grey to dark grey, slightly micro pyritic, some pieces silty.
460 - 465 m	Shale, grey, slightly micro pyritic; stringers of siltstone and very fine argillaceous sandstone, dark grey.
465 - 470 m	Shale as above.
470 - 475 m	Shale, dark grey, micro pyritic, few pieces silty; stringers of siltstone to very fine argillaceous sandstone.
475 - 480 m	Shale, grey to dark grey, slightly micro pyritic; stringers of siltstone, grey to dark grey.
480 - 490 m	Shale, dark grey to grey, slightly pyritic, some pieces silty.
490 - 495 m	Shale, dark grey, micro pyritic, slightly coaly, few fish vertebrae; stringers of siltstone, dark grey.
495 - 500 m	Shale, dark grey, few pieces micro pyritic.
500 - 505 m	Shale, grey to dark grey, few pieces micro pyritic, some clusters of very fine sand grains.
505 - 540 m	Shale, dark grey, fissile, soft, slightly pyritic.

540 - 560 m	Shale as above, few fish remains, trace ironstone at 555 m.
560 - 565 m	Shale, dark grey to black, few small green lumps, pyritic, part fissile, part arenaceous; trace sandstone, fine, and some loose quartz grains, medium to coarse, subrounded to angular.
565 - 570 m	Siltstone to very fine sandstone, buff, calcareous, few very small green shale lumps, angular to subangular, fair sorting; shale, dark grey to black, slightly pyritic, few pieces coaly, part fissile.
	WABAMUM 575 m
570 - 585 m	Limestone, cream, crypto to micro crystalline, few Ostracods and few Crinoid ossicles.
585 - 600 m	Limestone as above, few pieces tan and faintly oil stained.
600 - 605 m	Limestone, white to cream, crypto to micro crystalline, part finely fragmental.
605 - 610 m	Limestone, white to cream, crypto to micro crystalline, part finely fragmental, few pieces tan and faintly oil stained, trace pin-point porosity with faint staining, few Crinoid ossicles; some black shale, fissile, slightly pyritic; one piece of sandstone, buff, glauconitic, slightly calcareous, very fine, subangular, well-sorted.
	WINTERBURN 615 m
610 - 615 m	Limestone, cream, micro to crypto crystalline, part fragmental, few pieces very finely sandy; shale, dark grey, slightly pyritic; one piece of glauconitic sandstone as above.
615 - 620 m	Shale and limestone as above, gradation to calcareous sandstone.
620 - 630 m	Limestone, cream, very finely sandy grading to very fine calcareous sandstone (gradation from matrix to grain supported), angular to subangular, well-sorted; little shale as above.
630 - 635 m	Sandstone, cream to buff, highly calcareous, fine to very fine, angular, well-sorted; limestone, cream, crypto to micro crystalline, some fossil debris; little shale as above.

635 - 640 m	Limestone as above; shale, grey, slightly pyritic.
640 - 655 m	Limestone, cream to tan, micro to crypto crystalline, largely fragmental, little Crinoid debris; some shale as above; trace green shale.
655 - 665 m	Limestone, cream to tan, crypto to micro crystalline, part slightly arenaceous, slightly pyritic, little fossil debris.
665 - 680 m	Limestone, cream, few pieces tan, micro to crypto crystalline, part arenaceous, slightly pyritic, trace fossil debris; little siltstone to very fine sandstone, buff to cream, highly calcareous.
680 - 690 m	Limestone, cream to buff, crypto to micro crystalline, part silty, slightly pyritic; little sandstone, buff to tan, highly calcareous.
690 - 705 m	Limestone, cream, crypto to micro crystalline, silty to highly silty, grading to highly calcareous siltstone, few Brachiopod fragments at 700 m.
705 - 710 m	Limestone, cream to tan, crypto to micro crystalline, silty, few Brachiopod fragments; siltstone to very fine sandstone, buff to tan, highly calcareous.
710 - 715 m	Limestone, tan to cream, micro to crypto crystalline, part silty, some pieces fragmental, slightly pyritic, little Brachiopod and Ostracod debris; some siltstone to very fine sandstone as above, some very small bioclasts.
715 - 720 m	Sandstone, buff, very fine, part silty, highly calcareous, grading to arenaceous limestone, some Brachiopod and Crinoid fragments, few Ostracods.
720 - 725 m	Limestone, buff to cream, crypto to micro crystalline, part silty, part argillaceous, little fossil debris.
725 - 730 m	Limestone, tan to buff, micro to crypto crystalline, slightly pyritic, part argillaceous, part silty, few fossil fragments; shale, grading to argillaceous siltstone, light greenish grey, calcareous, slightly pyritic.
730 - 735 m	Limestone, tan to cream, crypto to micro crystalline, part fragmental, pyritic, few pieces argillaceous; shale, dark grey, micro pyritic, few pieces coaly, cavings?

735 - 740 m	Limestone, buff to cream, crypto to micro crystalline, part silty; marlstone and calcareous shale, light greenish grey.
740 - 745 m	Limestone, tan to cream, crypto to micro crystalline, some Brachiopod fragments.
745 - 755 m	Limestone, cream to tan, crypto to micro crystalline, part silty, few pieces fragmental, few Brachiopod and Crinoid fragments; some shale, dark grey, micro pyritic, probably cavings.
755 - 760 m	Limestone, buff to tan, micro to crypto crystalline, silty, slightly pyritic, little Brachiopod and Crinoid debris; stringers of shale, light greenish grey, calcareous, silty; stringers of siltstone, buff, highly calcareous.
760 - 770 m	Limestone, cream to buff, few pieces tan, part silty, slightly pyritic, micro crystalline, some Brachiopod debris and few Crinoid ossicles; siltstone, buff, highly calcareous; stringers of shale, light green grey, calcareous, silty, slightly pyritic.
770 - 780 m	Siltstone, limestone and stringers of shale as above.
780 - 790 m	Siltstone, buff, part very finely sandy, calcareous; little limestone as above; stringers of shale, green and micro pyritic, light grey and silty, calcareous.
790 - 795 m	Siltstone, buff, calcareous, slightly pyritic, few Brachiopod fragments; shale, light green, slightly calcareous.
795 - 805 m	Shale, green, calcareous, part silty, slightly micro pyritic; some siltstone as above.
805 - 815 m	Shale as above, some pieces brownish grey; limestone, buff, crypto crystalline, slightly silty, few Crinoid ossicles; some siltstone as above.
815 - 820 m	Limestone, buff to tan, crypto to micro crystalline, part argillaceous, part silty, few Tentaculites; stringers of shale, green, calcareous; stringers of siltstone, buff, calcareous; little pyrite.
820 - 825 m	As above; some Brachiopods, few Crinoid ossicles and Tentaculites.

825 - 830 m	Limestone, buff to light brown, crypto to micro crystalline, part argillaceous, part silty, slightly pyritic, some Brachiopods, one coral fragment; shale, light green, some pieces greyish, calcareous, part silty.
830 - 840 m	Shale and limestone as above; Ostracod and Tentaculites at 840 m.
840 - 845 m	Limestone, buff to cream and tan, crypto to micro crystalline, Brachiopod fragments and few Ostracods; shale, green and grey, calcareous; shale, black, non-calcareous; some very fine sandstone to siltstone, buff, highly calcareous, cavings?
845 - 850 m	As above; predominantly green shale.
850 - 855 m	Limestone, buff, slightly pyritic, micro to crypto crystalline, few Crinoid fragments; shales and little sandstone and siltstone as above.
855 - 865 m	Limestone, buff to cream and tan, micro to crypto crystalline, part arenaceous, slightly pyritic, few Brachiopods and Tentaculites; black and some green shale as above.
865 - 870 m	Limestone, buff, micro to crypto crystalline, part arenaceous, slightly pyritic, few Brachiopod fragments and Ostracods; shales as above, slightly pyritic.
TWIN FALLS 875 M	
870 - 875 m	Limestone, cream to tan, micro to crypto crystalline, trace Brachiopod and Crinoid debris, few Tentaculites; some shale as above.
875 - 880 m	Limestone, cream to tan, micro to crypto crystalline, some Brachiopod debris, trace vuggy porosity, few micro fractures with spotty oil stains; some shale as above.
880 - 885 m	Sample unreliable; Intermittent circulation during motor repairs.
885 - 895 m	Limestone, cream to tan, micro to crypto crystalline, some Crinoid and little Brachiopod debris; some shale, green, slightly calcareous.

895 - 900 m	Limestone as above; some Brachiopod fragments; shale, green to grey, slightly calcareous; stringers of siltstone, buff, calcareous.
900 - 910 m	Shale, green to grey, calcareous, part micro pyritic, part silty; limestone, white to tan, part arenaceous, micro to crypto crystalline; few Brachiopod and coral fragments; stringers of clusters of sandstone, white to buff, very fine, highly calcareous.
910 - 940 m	Limestone, buff to tan, micro to crypto crystalline, part fragmental, some pieces arenaceous, slightly pyritic, few Brachiopod and Crinoid fragments, few Ostracods; shale, green, occasional few pieces brownish grey, calcareous to slightly calcareous.
940 - 945 m	Limestone, buff to tan, micro to crypto crystalline, part arenaceous, few pieces fragmental, few Brachiopod fragments and Crinoid ossicles; shale, green to grey, slightly calcareous.
945 - 980 m	Limestone, buff to tan, micro to crypto crystalline, part arenaceous, some Brachiopod fragments and few Ostracods; shale as above; stringers or clusters of very fine sandstone and siltstone, buff, highly calcareous.
980 - 985 m	Limestone, cream to tan, crypto to micro crystalline, trace pin-point porosity with dead oil stain; some shale, green to greenish grey, slightly calcareous.
985 - 1015 m	Limestone, cream to tan, crypto to micro crystalline, slightly pyritic, few Brachiopod fragments; shale as above.
HAY RIVER 1020 m	
1015 - 1040 m	As above; trace shale, grey, calcareous.
1040 - 1045 m	Limestone as above; shale, green, few pieces grey, slightly calcareous to calcareous, some Ostracods.
1045 - 1060 m	Shale as above, slightly pyritic, Ostracods, Amphipora and small Brachiopod at 1060 m; some limestone as above.
1060 - 1065 m	Shale, light greenish grey, calcareous, slightly pyritic, some pieces silty, few Ostracods and Brachiopod fragments.

1065 - 1075 m	Shale as above, few Tentaculites; stringers of siltstone, light grey, calcareous.
1075 - 1080 m	Shale, light greenish grey, variably calcareous, slightly pyritic, some pieces silty.
1080 - 1090 m	Shale as above, few Brachiopod fragments, some siltstone lumps and boring fill, no pyrite, highly calcareous.
1090 - 1105 m	Shale, light greenish grey, variably calcareous, Tentaculites at 1100 m; clusters of stringers of siltstone, light grey to grey, highly calcareous.
1105 - 1110 m	Trip sample; mainly cavings.
1110 - 1125 m	Shale, light greenish grey, variably calcareous, part micro micaceous, few pieces silty; some clusters or stringers of siltstone, grey, calcareous.
1125 - 1130 m	Shale as above; siltstone, grey to buff, calcareous, part very finely sandy.
1130 - 1165 m	Siltstone and shale as above.
1165 - 1175 m	Siltstone as above; shale, greenish grey, variably calcareous, micro micaceous, part silty.
1175 - 1190 m	Shale, grey, variably calcareous, slightly pyritic, part silty, part micro micaceous.
1190 - 1195 m	Shale, grey, some pieces brownish, variably calcareous, part silty, part micro micaceous; siltstone, grey to dark grey, few pieces brown and ferruginous, calcareous.
1195 - 1205 m	Shale, grey, part slightly greenish, variably calcareous, part silty, micro micaceous; stringers of siltstone, grey, calcareous.
1205 - 1220 m	Shale and siltstone as above; trace pyrite.
1220 - 1230 m	Shale, grey, part slightly greenish, variably calcareous, slightly pyritic, part micro micaceous, some pieces silty, few Tentaculites; stringers of siltstone as above.
1230 - 1245 m	Shale and stringers of siltstone as above; shale, dark grey to black, non-calcareous to slightly calcareous, slightly micro pyritic, part fissile.

1245 - 1260 m	Shale, greenish grey, variably calcareous, slightly pyritic, part micro micaceous, few pieces silty; stringers of siltstone, light grey, highly calcareous, very finely sandy, slightly micro micaceous.
1260 - 1270 m	Shale and stringers of siltstone as above, few Tentaculites, some shale, dark grey, part micro pyritic, few fish bones.
1270 - 1295 m	Shale, grey, part slightly greenish, slightly calcareous, some pieces micro micaceous.
1295 - 1300 m	Shale, dark grey to black; shale as above.
1300 - 1310 m	Shale, grey to greenish grey, slightly calcareous; little shale, dark grey to black, few pieces brownish and slightly calcareous, few pieces silty, part bituminous.
BEAVERHILL LAKE 1315 m	
1310 - 1320 m	Shale, brown to black, calcareous, grading to marlstone.
1320 - 1325 m	Shale, greenish grey, calcareous, part silty, part micro micaceous, few Tentaculites; some shale as above; some limestone, cream to buff, crypto crystalline, part very finely sandy.
1325 - 1330 m	Shale, greenish grey to black, part calcareous, part silty, some pieces micro micaceous.
1330 - 1340 m	Shale as above; stringers of limestone, grading to very fine calcareous sandstone, cream to buff, micro to crypto crystalline; trace pyrite.
MUSKWA 1345 m	
1340 - 1345 m	Shale, dark brown to black, part mottled, slightly to highly calcareous, slightly micro micaceous, buff, calcareous algal (?) layers; some limestone, white to buff, crypto crystalline, part slightly silty, few Brachiopod fragments.
1345 - 1350 m	Shale and some limestone as above; shale, greenish grey, part calcareous, slightly pyritic, some pieces micro micaceous.
1350 - 1355 m	Shale, greenish grey, calcareous, slightly pyritic, few pieces micro micaceous, few Crinoid ossicles and Brachiopod fragments; stringers of limestone as above.

1355 - 1360 m Shale as above; some limestone, cream to light brown and buff, crypto crystalline, more or less argillaceous and silty, some Brachiopod fragments.

1360 - 1365 m Limestone, brown to buff, argillaceous, crypto crystalline, slightly pyritic, few Brachiopod and Crinoid fragments.

SLAVE POINT 1370 m

1365 - 1370 m Limestone, dark brown to buff, micro to crypto crystalline, part fragmental, part argillaceous.

1370 - 1377 m Limestone, dark brown to buff, micro to crypto crystalline, part argillaceous, part fragmental, few pieces pelletoidal, few pieces dolomitized (fine crystals in calcareous matrix), few stylolites, trace pin-point porosity.

Core #1, 1377 - 1395 m
For details, see Core Description.

1395 - 1396 m Limestone, dark brown to green, mainly fragmental and mottled, crypto to micro crystalline.

FORT VERMILION 1400 M

1396 - 1400 m Limestone as above; little anhydrite, white, micro crystalline.

1400 - 1405 m Limestone, dark brown to cream, crypto to micro crystalline, few pieces fragmental; stringers of anhydrite, white to tan, micro crystalline.

1405 - 1410 m Limestone, brown to tan, micro to crypto crystalline, part anhydritic, part fragmental; anhydrite, buff to white, micro crystalline.

WATT MOUNTAIN 1415 m

1410 - 1415 m Limestone, brown to white, micro to crypto crystalline, few pieces fragmental; trace anhydrite as above; trace shale, green to bright green, micro pyritic, calcareous.

1415 - 1420 m Marlstone grading to calcareous shale, black brown to tan, bituminous (?); trace green shale as above.

SULPHUR POINT 1425 m

- 1420 - 1425 m As above; green shale common; limestone, cream to tan, micro crystalline, clean.
- 1425 - 1430 m Limestone, cream to tan, crypto to micro crystalline, part pelletoidal and part porous, poor to fair intergranular porosity, well oil stained, yellow fluorescence and yellow stream cut.

PINE POINT 1435 m

- 1430 - 1440 m Dolomite, cream to brown, finely to micro crystalline, slightly pyritic, some medium to coarse dolomitic vug fill, probably very poor vuggy porosity.
- 1440 - 1445 m Dolomite, tan to cream, some pieces brown, micro to very finely crystalline, very little vug fill, probably very poor vuggy porosity.
- 1445 - 1455 m Dolomite, brown to cream, micro to finely crystalline, slightly micro pyritic, some pieces off-white and medium crystalline, little very poor to poor vuggy and/or intercrystalline porosity; trace gypsum vug fill.
- 1455 - 1465 m Dolomite, brown to cream, few pieces light grey, finely to micro crystalline, trace gypsum fracture fill, little very poor to poor intercrystalline and/or vuggy porosity; shale, limestone and anhydrite cavings.
- 1465 - 1470 m Dolomite, brown to cream, micro to very finely crystalline, trace vuggy linings, little very poor to poor intercrystalline and vuggy porosity, some spotty oil stain and yellow fluorescence.
- 1470 - 1475 m Dolomite as above; grading to fine crystalline.
- 1475 - 1480 m Dolomite, tan to cream, crypto crystalline; some dolomite, tan to brown, micro to finely crystalline, some poor to fair vuggy and intercrystalline porosity, selective oil staining and yellow fluorescence.
- 1480 - 1485 m Dolomite, brown to tan, finely to micro crystalline, fair to good vuggy porosity, oil stained, yellow fluorescence.
- 1485 - 1490 m Dolomite as above, few pieces arenaceous; some coarse gypsum crystals.

PREDEVONIAN 1495 m

1490 - 1505 m	Quartzite, clear, slightly micro pyritic; little kaolin.
1505 - 1515 m	As above; cavings, limestone, dolomite and various shales; little shale, light green, greyish mottled, pyritic.
1515 - 1527 m	As above; some quartzite pieces pink or pink stained.

CORE DESCRIPTION

Core #1; Interval from 1377 to 1395 m; Recovered 18 m.

1377.00 - 1378.00	(1.00 m) Limestone, brown, micro to crypto crystalline, very poor vuggy porosity related to fossil debris, most vugs calcite filled, middle of interval bleeding oil, yellow fluorescence.
1378.00 - 1379.40	(1.40 m) Limestone, dark brown, crypto to micro crystalline, tight, vugs calcite filled, massive Stromatopora at bottom of interval, few more or less vertical fracture with spotty oil stain, yellow fluorescence.
1379.40 - 1380.20	(0.80 m) Limestone, light brown, crypto crystalline, tight.
1380.20 - 1384.60	(4.40 m) Amphipora limestone interbedded with massive layers of Stromatopora, pin-point vuggy porosity, vugs small and oil stained, spotty oil bleeding, generally tight.
1384.60 - 1384.90	(0.30 m) Limestone, brown, micro crystalline, dense, badly fractured (rubbled), fractures oily, yellow fluorescence.
1384.90 - 1385.40	(0.50 m) Amphipora limestone, dark brown, fine crystalline, thin laminate of black shale, horizontal bedding, tight.
1385.40 - 1386.00	(0.60 m) Limestone, brown to dark brown, micro crystalline, more or less vertical hairline fractures, part open and oil stained, part calcite filled, calcite filled small vugs common, few open vugs with residual oil and dull brown fluorescence, yellow cut.
1386.00 - 1387.00	(1.00 m) Limestone as above, some calcite filled vertical fractures.
1387.00 - 1389.35	(2.35 m) Limestone, dark brown, micro crystalline, dense, occasional shale/limestone laminates; bottom 0.15 m of interval Amphipora limestone with some vuggy porosity, bleeding oil, fluorescence yellow.
1389.35 - 1391.85	(2.50 m) Limestone, dark brown, micro to crypto crystalline, generally tight, some layers with black shale laminates, some Amphipora and Brachiopod beds.
1391.85 - 1395.00	(3.15 m) Limestone, brown to dark brown, occasionally laminated with black shale, layers of Amphipora, tight, bedding nearly horizontal.

START (m)	DEPTH (m)	TIME	MIN./METRE		Mud Report & Remarks	WEIGHT daN	r/min	PUMP SIZE 16x15-1/2	
			Actual	Lost				Pressure kPa	Stroke mm
0.2	1377	3:50	0:57	0:03					
0.4		4:02	0:02	0:03					
0.6		0:02	0:03			4	25	8000	60
0.8		0:07	0:02						
1.0	1378	0:10	0:03						
1.2		0:12	0:03						
1.4		0:13	0:03						
1.6		0:18	0:03						
1.8		0:21	0:03						
2.0	1379	0:24	0:03						
2.2		0:26	0:03						
2.4		0:29	0:03						
2.6		0:31	0:03						
2.8		0:34	0:03						
3.0	1380	0:36	0:03						
3.2		0:38	0:03						
3.4		0:41	0:03		Pen 115-0				
3.6		0:43	0:03		113 5-3				
3.8		0:45	0:03		114 10	4	25	8000	60
4.0	1381	0:47	0:03						
4.2		0:50	0:03						
4.4		0:52	0:03						
4.6		0:55	0:03						
4.8		0:57	0:03						
5.0	1382	10:00	0:03						
5.2		0:02	0:03						
5.4		0:05	0:03						
5.6		0:07	0:03						
5.8		0:10	0:03						
6.0	1383	0:13	0:03						
6.2		0:15	0:03						
6.4		0:18	0:03						
6.6		0:21	0:03						
6.8		0:24	0:03			4	25	8000	60
7.0	1384	0:26	0:03						
7.2		0:28	0:03						
7.4		0:31	0:03						
7.6		0:34	0:03						
7.8		0:37	0:03						
8.0	1385	0:40	0:03						
8.2		0:43	0:03						
8.4		0:46	0:03						
8.6		0:49	0:03						
8.8		0:52	0:03						
9.0	1386	0:55	0:03						
9.2		0:58	0:03						
9.4		11:01	0:03						
9.6		0:04	0:03						
9.8		0:07	0:03			4	25	8000	60
10.0	1387	0:10	0:03	0:02	run				
10.2		0:12	0:03						
10.4		0:12	0:03						
10.6		0:15	0:03						
10.8		0:18	0:03						
11.0	1388	0:21	0:03						
11.2		0:25	0:03						
11.4		0:27	0:03						
11.6		0:40	0:03						
11.8		0:49	0:03						
12.0	1389	0:52	0:03						
12.2		0:50	0:03						
12.4		0:53	0:03						
12.6		0:56	0:03						
12.8		12:00	0:03						
13.0	1390	0:03	0:03						
13.2		0:06	0:03						
13.4		0:10	0:03						
13.6		0:13	0:03						
13.8		0:16	0:03						
14.0	1391	0:20	0:03						
14.2		0:23	0:03						
14.4		0:27	0:03						
14.6		0:30	0:03						
14.8		0:33	0:03						
15.0	1392	0:37	0:03						
15.2		0:41	0:03						
15.4		0:44	0:03						
15.6		0:48	0:03						
15.8		0:51	0:03						
16.0	1393	0:55	0:03						
16.2		1:00	0:03						
16.4		0:04	0:03						
16.6		0:08	0:03						
16.8		0:12	0:03						
17.0	1394	0:15	0:03						
17.2		0:19	0:03						
17.4		0:22	0:03						
17.6		0:26	0:03						
17.8		0:29	0:03						
18.0	1395	0:32	0:03						
18.2									

DP SUB

JAR

SAFETY

JOINT

194

OUTER TUBE

8.23

15.9

20.14

194

OUTER TUBE

8.23

10.9

194

BIT

100

CORING LOG

FROM

EASTMAN CHRISTENSEN

16230 - 112 Avenue
Edmonton, Alberta, Canada T5M 2W1
Phone: (403) 451-0120/Telex 037-3502/Fax (403) 451-4491

Date FEB 2 / 90

Service Engineer NICHOLAS DELMOVIC

Company PETRO CANADA INC

Contractor H. TOWIER 2nd

Well Name/No. RCE SWEDEN E-02

Field

Hole Size (mm) 222

Diamond Bit Size (mm) 200x102

Bit No. 0601730

Diamond Bit Type GCP- 777

Core Barrel Size (mm) 159x102x18

Length (m) 20.14

No. 63

Jar No.

Core No. 1st

Depth: From 1377 m To 1395 m

Total Metres Cored 18m

Recovered 18m

Hours 4hr 30min

Formation Cored SLAVE POINT

Description LIMESTONE

Time Reaming To Bottom 30 MIN

Mud Wt. (kg/m³) 1150

r/min. 25

Mud Flowrate (m³/min.) 280 GAL MIN

Bit Condition: Before NEW % After 95 %

D.S.T. SUMMARY

Test #1

1370 - 1396 m: Slave Point

11/65/129/264 (Closed chamber)

61/123 (Conventional)

VO: GTS in 50 sec.; surging flare throughout flow period, 0.2 - 3.0 m.

Recovery: 4 m mud.

IHP:	15089 kPa	FHP:	15022 kPa
IPFP:	1869 kPa	FPFP:	1084 kPa
IFP:	936 kPa	FFP:	1398 kPa
ISIP:	9161 kPa	FSIP:	9824 kPa

Test #2

1477 - 1487 m: Pine Point

10/61/90/240 (Closed chamber)

Recovery: Total 780 m; 80 m gasified and slightly oily inhibitor foam on salt water; 700 m slightly gassy and very slightly oily salt water.

IHP:	16205 kPa	FHP:	16281 kPa
IPFP:	2465 kPa	FPFP:	4316 kPa
IFP:	4429 kPa	FFP:	8665 kPa
ISIP:	9098 kPa	FSIP:	9393 kPa



BEARSPAW
LOGGING SERVICES (1986) LTD.

#12, 1916 - 30 Avenue N.E., Calgary, Alberta T2E 7B2 • (403) 291-3396 • Fax: (403) 291-0563

MUD LOG INTERPRETATION REPORT
FOR THE WELL
P.C.I. SWEDE
E-02

START LOGGING DEPTH: 416 DATE: JAN. 24, 1990

FINAL TOTAL DEPTH: 1527 DATE: FEB. 10, 1990

K. B.: 810 M.

WELLSITE TECHNICIANS: G. WHEELER
D. PIOTRUS
M. HERBERT

BEARSPAW JOB NO.: 0213-325

CLIENT AFE/WORK ORDER:

THIS REPORT HAS BEEN SUBMITTED TO: MR. S .BENKO

DATE: FEB. 12, 1990

INTERPRETATION REPORT
P.C.I. SWEDE
E-02

1343 MUSKWA

Consistent low mud gas response from overlaying shales and the Muskwa

1370 SLAVE POINT

1370-1377

Drilled portion of the Slave Point is Limestone with pin point porosity. No significant liberated mud gas response nor from bottoms up as a result of trip for core at 1377.

1377-1395

SEE GAS SHOW # 1
Core # 1 NOT EXAMINED BY LOGGER . No significant penetration breaks and very low liberated mud gas response. Low gas is from:
a) no porosity
b) water bearing zone
c) Flushing of hydrocarbons while coring.

1396

LARGE MAGNITUDE OF TRIP GAS from bottom hole, therefore cored interval is hydrocarbon bearing. Presence of heavier gases indicate presence of some liquids (probably with gas).

COMMENT

D.S.T. # 1 was run over the interval 1370-1399. Results of D.S.T. were not released to wellsite technician. However, trip gas placement magnitude and composition suggests Slave Point is hydrocarbon bearing with the presence of at least some liquids.

1414 WATT MOUNTAIN

No significant mud gas response

1420 SULPHUR MOUNTAIN

GAS BEARING, LIMITED POROSITY

1423-1425

Minor liberated show from trace vuggy porous but generally tight limestone. Note C3 is exceeding C2. This is very rare liberated gas response.

1427-1429

A two meter R.O.P. break with minor liberated mud gas response

1434

Single meter penetration break with liberated gas response.

1434 PINE POINT

GAS BEARING, LIMITED POROSITY

1434-1461

Tight dolomite, minor liberated show of gas.

Note that at 1461 mud gas increases- indicates BETTER POROSITY than Sulphur Point and upper Pine Point

PENETRATION BREAKS

SEE GAS SHOW # 2

1465-1470

Minor liberated Show

1473-1475

Fair liberated response, significant C3 corresponds well with drilling break.

1484-1485

Fair mud gas responses

1488-1490

1493-1494

1494 PRE DEVONION

No significant mud gas show

1521-1527

Drilling mud badly clobbered,

no readings available

1527 TOTAL DEPTH

1343 MUSKWA

P.C.I. SWEDE

E-02

INSTRUMENTATION USED

Instrumentation manufactured by TOOKE ENGINEERING
Series 6000 Gas Chromatograph
Series 7000 Gas Detector

CALIBRATION STANDARDS

Instruments were routinely calibrated with
laboratory quality test gas comprised of the
following composition:

C1 (Methane)	- 0.500%
C2 (Ethane)	- 0.500%
iC4 (iso-Butane)	- 0.500%
nC4 (Butane)	- 0.500%

DEFINITIONS

CALCIUM CARBIDE WELLBORE CALIBRATION: A quantity of the chemical calcium carbide is introduced into the mudstream. Calcium carbide, when in contact with water produces the gas acetylene, which is recorded by BEARSPAWS instrumentation. The magnitude of response gives us a quantitative measure of actual lag time along with the efficiency of the wellbore and gas extraction apparatus.

COAL GAS: Mud gas which is a product of drilling through a section of coal. The composition is predominately methane. A mud gas response from coal is usually of no economic significance.

CONNECTION GAS: Gas entering the wellbore caused by the swabbing effect of the drill string during a pipe connection.

TRIP GAS: Gas has entered the mudstream during a period of time when circulation of drilling fluid has ceased. Typically, a trip for bit is made causing hydrocarbons to be swabbed into the wellbore as the bit moves past a hydrocarbon bearing zone.

LIBERATED GAS: Mud gas which is a result of hydrocarbons being released into the mudstream from rock being penetrated.

PRODUCED GAS: Gas entering the wellbore due to a formation pressure in excess of the hydrostatic pressure.

sl dolomitized ip tr pp por

Core No.1
1377-1395m

Cut 18m
REC 18m

DEN 1050
VIS 53
pH 10.0

90 C F 5000
• H RPM 80
02 R SPM 60
• I PP 8000
02 S

18m
4.75hrs

G(est
35.0% @ 1395m)
previous obs. up 24 hrs
from surface casing

DEN 1100
VIS 44

90 NB
• 7
02 F 14/16000
• S RPM 85/90
08 8 SPM 58
6 PP 6000
F

DEN 1110
VIS 50
WL 2.8
pH 10.5

D.S. 7/8"

Carbide 2 units
meas 42mins
calc 36mins

DEN 1115
V

P.C.I. SWED E-02

GAS SHOW # 1

1
4
0
0

LS brn-dk brn crpxl-micxln lam
blk sh fos frags

SH blk
LS bf-brn crpxln fos frags
tr wh anhy

WATT MOUNTAIN 1414m
SH gn-gy gn calc tr pyr tr anhy

SULPHUR POINT 1420m
LS brn-dk brn crpxln arg ip gen
tt no shows
LS as/abv tr vuggy por some
sppty pale yel flr no cut

DEN 1120
VIS 48
pH 11.0

DEN 1110
VIS 53

DEN 1105
VIS 54
WL 7.0
pH 11.0

F 16000
RPM 90
SPM 58
PP 6000

P.C.I. SWEDE

GAS SHOW #2

1
4
5
0

gen tt no shows

DOL as/abv tr p intxln por

DOL bf off wh mnr brn crpxl-micx
arg ip tr lt gyish wh f xln/
some euhed xls thin bedded

LS bf-crm crpxl-micxln ip part
pelletoidal mrlly ip mnr pale
pinkish off wh mrlst strg

DOL brn crm tr lt gy f-micxln tr
gyp v p intxln por

DOL brn crm micxl-vf xln tr p int
por some vuggy por some spotty
o stn spotty yel flor no cut

DOL as/abv grd-g-f xln

DOL bf-brn some crm crpxl-f xln
some p-fr vuggy & intxln por
spotty yel flor some o stn

DOL brn-bf micxl-f xln fr-g vuggy
por yel flor o stn

DOL as/abv tr c gyp xls

**A) DST #1 SLAVE POINT 1370-1396 M
CLOSED CHAMBER TEST REPORT**

DELTA-F TEST CORP.

WELL TESTING AND EVALUATIONS

#520 400 5th AVENUE S.W.
CALGARY , ALBERTA T2P 1N7

PCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

Mon, Feb 5, 1990

PCI SWEDE

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SLAVE POINT/1370-1396

DST # 1

CLOSED CHAMBER REPORT SUMMARY

FLOW TIMES (minutes)

FLOW # 1 = 12 SHUT IN # 1 = 66

FLOW # 2 = 130 SHUT IN # 2 = 260

FLOW RATES (m3/D)

	GAS	LIQUID
FLOW # 1 initial	6.6	8.1
final	6.6	8.1
FLOW # 2 initial	470	0.01
final	470	0.01

RECOVERY

LENGTH (m)	VOLUME (m3)	DESCRIPTION
8	.03	INHIB/WATER ADDED BEFORE PF
53	.22	DRLG MUD LOST WHILE SKIDDING
16	.07	DRLG MUD FROM PF INFLUX
77	.32	TOTAL RECOVERY

COMMENTS

A closed chamber analysis has been carried out for both flow periods and the results are contained in the following pages.

In summary, the interval tested produced sweet gas in a very erratic manner for an average Mainflow (MF) gas rate of 470 m3/d (17 Mcf/d). This test was conducted as a Closed Chamber test for two flows and two shutins and as a conventional test for the third flow and shutin. Observation of the third flow period seemed to produce the same type of erratic gas flow as was seen for the Closed Chamber test. A complete analysis of the downhole electronic fluid recorder #50094, was conducted for fluid influx with the following results:

Aprox. 8 meters of inhibitor/water was added to the pipe before PF VO, with 53 meters of drilling mud entering the chamber lost from the annulus while the tool skidded to

Mon, Feb 5, 1990

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SLAVE POINT/1370-1396

DST # 1

bottom before the PF. An influx of 16 meters of mud was produced during the PF VO and no apparent fluid influx for the MF period. Approximately 34 meters of the mud was blown up the pipe and stuck on the sides during the MF with another 41 meters of mud blown up during the 3rd flow. Only 4 meters of recovery remained above the tool when the pipe was pulled out of the hole. The remaining fluid could be seen stuck to the sides of the pipe while tripping out of the hole.

Downhole electronic recorder #50115, within the interval at 1372.47 m, was analysed and used to obtain the following pressures:

IHP 15080, PFF 1085, S1 9162, IF2 644, FF2 1399,
S2 9825, IF3 638, FF3 144, S3 9800, FHP 15007, KPAG.

CLOSED CHAMBER SURFACE RESULTS:

PREFLOW: 12 MINS

Max dp/dt of 0.11 kpa/min in 6 mins. The pressure increased by 0.92 kpa for an average dp/dt of 0.08 kpa/min.

INITIAL SI: 66 MINS

The pressure increased by 0.8 kpa for the entire SI period.

MAINFLOW: 130 MINS

Max dp/dt of 144.6 kpa/min in 2 mins. The dp/dt was very erratic for the remainder of the MF. Pressure increased by 744 kpa in 130 mins for an average dp/dt of 5.7 kpa/min.

FINAL SI: 260 MINS

No gas breakout observed. Chamber was vented to the flare pit with gas to surface in 2 mins. No trace of H₂S in gas samples taken by Safety Hand on location.

Successful Dual Bottom Hole Conventional Test by
Schlumberger Testing Services. (Glen Carter).
Delta P Testing Engineer: Glenn Simpson

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SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
----------	------------------	----------------------	------------------	------------------

START OF FLOW # 1

23:43:00	.00	93.11		
23:44:00	1.00	93.17	.06	.0
23:45:00	2.00	93.25	.08	.0
23:46:00	3.00	93.30	.05	.0
23:47:00	4.00	93.36	.06	.0
23:48:00	5.00	93.36	.00	.0
23:49:00	6.00	93.47	.11	.9
23:50:00	7.00	93.52	.05	.0
23:51:00	8.00	93.76	.24	11.5
23:52:00	9.00	93.85	.09	.0
23:53:00	10.00	93.85	.00	.0
23:54:00	11.00	93.98	.13	2.5
23:55:00	12.00	94.03	.05	.0

START OF SHUT IN # 1

23:55:00	.00	94.03	.00	
23:57:00	2.00	94.17	.07	
00:02:00	7.00	94.03	-.03	
00:07:00	12.00	93.98	-.01	
00:12:00	17.00	93.92	-.01	
00:17:00	22.00	94.14	.04	
00:22:00	27.00	94.03	-.02	
00:27:00	32.00	94.14	.02	
00:32:00	37.00	94.25	.02	
00:37:00	42.00	94.41	.03	
00:42:00	47.00	94.46	.01	
00:47:00	52.00	94.44	-.00	
00:52:00	57.00	94.57	.03	
00:57:00	62.00	94.57	.00	
01:01:00	66.00	94.84	.07	

START OF FLOW # 2

01:01:00	.00	94.84		
01:02:00	1.00	95.33	.49	39.7
01:03:00	2.00	239.94	144.61	11776.9
01:04:00	3.00	250.06	10.12	824.4
01:05:00	4.00	250.17	.11	8.9
01:06:00	5.00	250.55	.38	30.9
01:07:00	6.00	250.96	.41	33.4

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PCI SWEDE

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SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
01:08:00	7.00	259.20	8.24	671.4
01:09:00	8.00	261.32	2.12	172.7
01:10:00	9.00	262.24	.92	74.9
01:11:00	10.00	264.14	1.90	154.8
01:12:00	11.00	267.67	3.53	287.7
01:13:00	12.00	268.97	1.30	105.9
01:14:00	13.00	269.62	.65	52.9
01:15:00	14.00	270.51	.89	72.5
01:16:00	15.00	312.71	42.20	3443.6
01:17:00	16.00	314.41	1.70	138.7
01:18:00	17.00	314.60	.19	15.5
01:19:00	18.00	314.71	.11	8.9
01:20:00	19.00	315.30	.59	48.1
01:21:00	20.00	318.96	3.66	298.7
01:22:00	21.00	333.13	14.17	1156.9
01:23:00	22.00	334.35	1.22	99.6
01:24:00	23.00	335.13	.78	63.7
01:25:00	24.00	335.35	.22	17.9
01:26:00	25.00	335.54	.19	15.5
01:27:00	26.00	335.89	.35	28.5
01:28:00	27.00	336.73	.84	68.6
01:29:00	28.00	337.28	.55	44.9
01:30:00	29.00	338.36	1.08	88.2
01:31:00	30.00	338.79	.43	35.1
01:32:00	31.00	364.04	25.25	2063.3
01:33:00	32.00	370.93	6.89	563.1
01:34:00	33.00	378.53	7.60	621.2
01:35:00	34.00	378.58	.05	4.0
01:36:00	35.00	378.72	.14	11.4
01:37:00	36.00	409.64	30.92	2529.8
01:38:00	37.00	410.45	.81	66.2
01:39:00	38.00	410.45	.00	.0
01:40:00	39.00	410.70	.25	20.4
01:41:00	40.00	411.79	1.09	89.1
01:42:00	41.00	413.31	1.52	124.3
01:43:00	42.00	416.05	2.74	224.2
01:44:00	43.00	425.31	9.26	757.9
01:45:00	44.00	426.20	.89	72.8
01:46:00	45.00	426.83	.63	51.5
01:47:00	46.00	427.18	.35	28.6
01:48:00	47.00	427.73	.55	45.0
01:49:00	48.00	440.41	12.68	1038.3
01:50:00	49.00	448.42	8.01	656.0
01:51:00	50.00	455.61	7.19	589.0

Mon, Feb 5, 1990

PCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
01:52:00	51.00	480.54	24.93	2043.7
01:53:00	52.00	481.22	.68	55.7
01:54:00	53.00	481.98	.76	62.3
01:55:00	54.00	483.23	1.25	102.4
01:56:00	55.00	485.24	2.01	164.7
01:57:00	56.00	487.09	1.85	151.6
01:58:00	57.00	489.67	2.58	211.5
01:59:00	58.00	501.00	11.33	929.3
02:00:00	59.00	518.00	17.00	1395.0
02:01:00	60.00	518.60	.60	49.2
02:02:00	61.00	518.46	-.14	.0
02:03:00	62.00	518.71	.25	20.5
02:04:00	63.00	519.66	.95	77.9
02:05:00	64.00	522.08	2.42	198.6
02:06:00	65.00	524.44	2.36	193.6
02:07:00	66.00	529.49	5.05	414.5
02:08:00	67.00	531.75	2.26	185.5
02:09:00	68.00	534.00	2.25	184.7
02:10:00	69.00	539.78	5.78	474.5
02:11:00	70.00	541.98	2.20	180.6
02:12:00	71.00	561.11	19.13	1571.7
02:13:00	72.00	573.11	12.00	986.2
02:14:00	73.00	573.28	.17	13.9
02:15:00	74.00	573.47	.19	15.6
02:16:00	75.00	573.52	.05	4.0
02:17:00	76.00	574.14	.62	50.9
02:18:00	77.00	588.87	14.73	1211.1
02:19:00	78.00	592.43	3.56	292.7
02:20:00	79.00	592.64	.21	17.2
02:21:00	80.00	593.89	1.25	102.7
02:22:00	81.00	596.39	2.50	205.5
02:23:00	82.00	600.36	3.97	326.5
02:24:00	83.00	601.72	1.36	111.8
02:25:00	84.00	634.24	32.52	2677.2
02:26:00	85.00	633.78	-.46	.0
02:27:00	86.00	633.59	-.19	.0
02:28:00	87.00	634.18	.59	48.5
02:29:00	88.00	636.06	1.88	154.7
02:30:00	89.00	642.20	6.14	505.5
02:31:00	90.00	651.60	9.40	774.2
02:32:00	91.00	653.01	1.41	116.1
02:33:00	92.00	654.53	1.52	125.1
02:34:00	93.00	655.70	1.17	96.3
02:35:00	94.00	668.45	32.75	2700.2

Mon, Feb 5, 1990

PCI SWEDE

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SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
02:36:00	95.00	689.59	1.14	93.9
02:37:00	96.00	691.19	1.60	131.9
02:38:00	97.00	695.05	3.86	318.2
02:39:00	98.00	697.96	2.91	239.9
02:40:00	99.00	700.79	2.83	233.3
02:41:00	100.00	703.62	2.83	233.4
02:42:00	101.00	705.91	2.29	188.8
02:43:00	102.00	708.71	2.80	230.9
02:44:00	103.00	712.19	3.48	287.0
02:45:00	104.00	724.45	12.26	1011.8
02:46:00	105.00	739.87	15.42	1273.1
02:47:00	106.00	739.54	-.33	.0
02:48:00	107.00	739.63	.09	7.4
02:49:00	108.00	738.19	-1.44	.0
02:50:00	109.00	740.17	1.98	163.4
02:51:00	110.00	762.06	21.89	1808.5
02:52:00	111.00	771.42	9.36	773.4
02:53:00	112.00	780.39	8.97	741.4
02:54:00	113.00	783.95	3.56	294.2
02:55:00	114.00	784.14	.19	15.6
02:56:00	115.00	784.47	.33	27.2
02:57:00	116.00	785.45	.98	80.9
02:58:00	117.00	787.76	2.31	190.9
02:59:00	118.00	791.08	3.32	274.4
03:00:00	119.00	794.64	3.56	294.3
03:01:00	120.00	812.40	17.76	1469.3
03:02:00	121.00	815.25	2.85	235.7
03:03:00	122.00	816.07	.82	67.8
03:04:00	123.00	817.07	1.00	82.7
03:05:00	124.00	820.53	3.46	286.2
03:06:00	125.00	824.01	3.48	287.9
03:07:00	126.00	828.20	4.19	346.7
03:08:00	127.00	832.23	4.03	333.5
03:09:00	128.00	834.19	1.96	162.2
03:10:00	129.00	836.72	2.53	209.4
03:11:00	130.00	838.92	2.20	182.1

START OF SHUT IN # 2

03:11:00	.00	838.92	.00
03:12:00	1.00	843.93	5.01
03:17:00	6.00	843.96	.01
03:22:00	11.00	101.46	-148.50
03:26:00	15.00	92.97	-2.12

Mon, Feb 5, 1990

FCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime	Pressure	Dp/Dt	Gas Rate
	Min.	KPa abs.	KPa/min	m3/D
END OF RECORDED DATA				

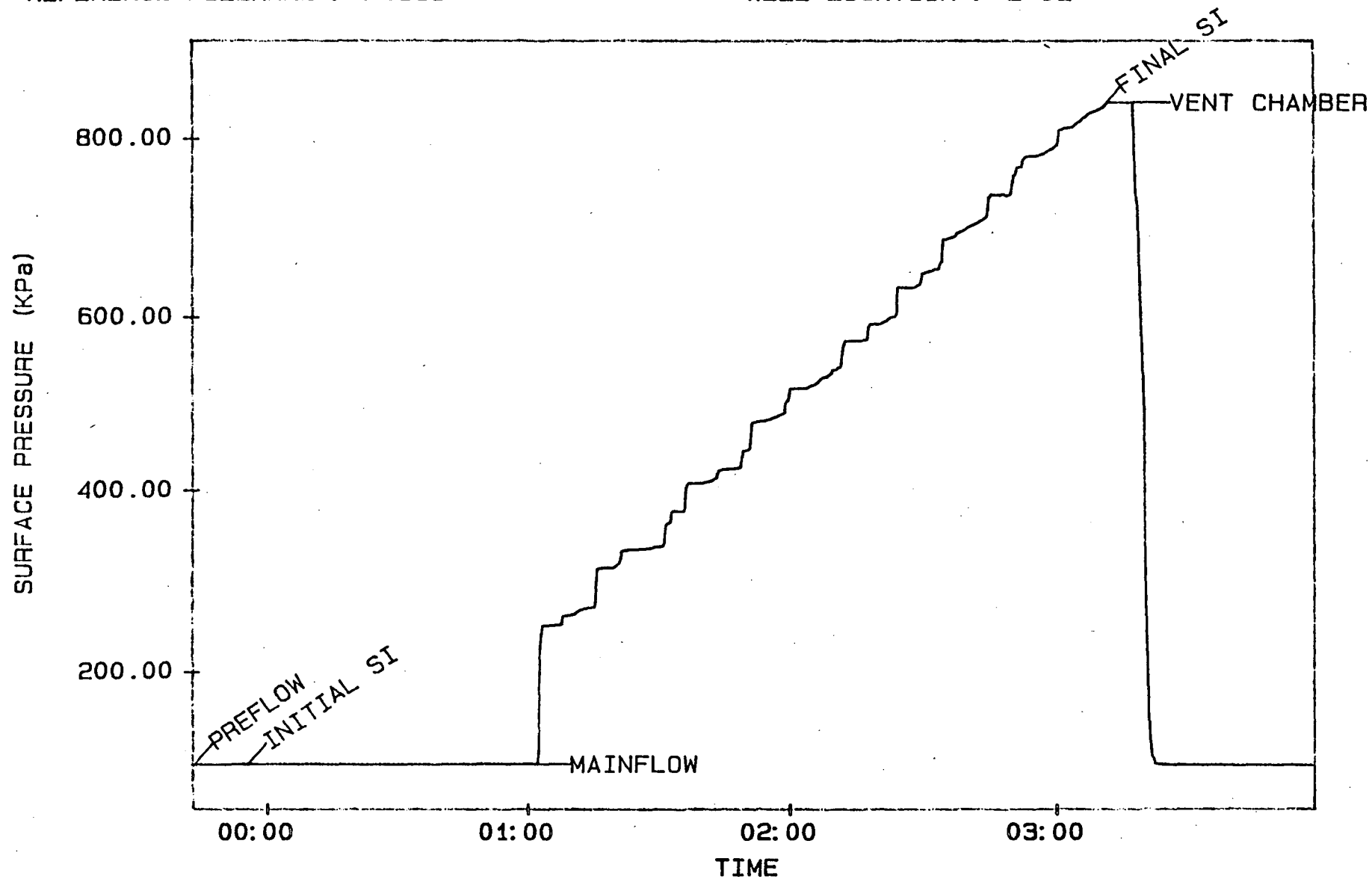
DELTA-P TEST CORP.

REFERENCE FILENAME : PCI19

TEST DATE : Mon, Feb 5, 1990

WELL NAME : PCI SWEDE

WELL LOCATION : E-02



Mon, Feb 5, 1990

PCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

PRETEST CALCULATIONS

FILENAME	PCI19.DST
GAS GRAVITY	.65
FORMATION DEPTH	1385.00 MKB
FORMATION PRESSURE	14099.30 KPAg
FORMATION TEMPERATURE	44.86 DEG C
AVE CHAMBER TEMP	24.68 DEG C
INITIAL CHM SURFACE PRESSURE	90.00 KPAA
INITIAL GAS/N2 HEAD PRESSURE	99.82 KPAA
INITIAL TOTAL CUSH. PRESSURE	99.82 KPAA
INITIAL CUSHION LENGTH	.00 m
LIQUID CUSHION GRADIENT	.00 kPA/m
DOWN HOLE CHOKE DIAMETER	12.70 mm
CHOKE COEFFICIENT	18.02 m3/D/KPA
DRILL COLLAR LENGTH	164.47 m
DRILL COLLAR I.D.	73.00 mm
DRILL COLLAR CAPACITY	.004185 m3/m
DRILL COLLAR VOLUME	.688 m3
LOWER DRILL PIPE LENGTH	1186.50 m
LOWER DRILL PIPE I.D.	73.00 mm
LOWER DRILL PIPE CAPACITY	.004185 m3/m
LOWER DRILL PIPE VOLUME	4.966 m3
UPPER DRILL PIPE LENGTH	.00 m
UPPER DRILL PIPE I.D.	.00 mm
UPPER DRILL PIPE CAPACITY	.000000 m3/m
UPPER DRILL PIPE VOLUME	.000 m3
TOTAL CHAMBER VOLUME	5.65 m3
LIQUID CUSHION VOLUME	.00 m3
NET CHAMBER VOLUME	5.65 m3

	MAX. RATE	MAX. SURFACE DP/DT
GAS	339494.9 m3/D	4134.9 KPA/min
GAS SATURATED H2O	904.6 m3/D	37.9 KPA/min
PURE LIQUID INFLUX	904.6 m3/D	10.5 KPA/min

INITIAL CONVERSION FACTORS

GAS	82.1 m3/D/KPA/min
GAS SATURATED H2O	23.9 m3/D/KPA/min
PURE LIQUID INFLUX	85.9 m3/D/KPA/min

DELTA P TEST CORPORATION

PCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1 FEB 05-06/90

OUT-REC #21623 AT 1372M

LINEAR DATA TABLE

Table No.: 1 INITIAL HYDROSTATIC

	TIME (min)	PRESSURE (kPa)		TIME (min)	PRESSURE (kPa)
1.	0.0	-52.7	25.	1121.3	15381.1
2.	48.0	2008.0	26.	1121.3	19317.7
3.	101.3	2008.0	27.	1121.3	7920.0
4.	108.0	2192.7	28.	1132.0	1155.3
5.	207.3	2192.7	29.	1132.0	9739.1
6.	345.3	7209.4	30.	1142.7	9739.1
7.	355.3	7209.4	31.	1159.3	9881.2
8.	360.7	7593.2	32.	1159.3	10648.7
9.	376.0	7593.2			
10.	451.3	9582.8			
11.	489.3	9838.6			
12.	516.7	11032.4			
13.	552.0	11032.4			
14.	662.0	15068.5			
15.	674.7	15068.5			
16.	727.3	15068.5			
17.	928.0	15068.5			
18.	1054.7	15068.5			
19.	1070.7	15452.2			
20.	1070.7	18536.1			
21.	1070.7	9966.5			
22.	1070.7	15082.7			
23.	1092.0	15082.7			
24.	1096.0	15381.1			

Table No.: 2 1st FLOW

	TIME (min)	PRESSURE (kPa)
1.	1160.0	2050.6
2.	1163.3	1709.5
3.	1166.0	1325.8
4.	1171.3	1126.9

Table No.: 3 1st SHUT-IN

	TIME	PRESSURE
	(min)	(kPa)
1.	1171.3	1126.9
2.	1180.0	3414.9
3.	1187.3	4551.9
4.	1199.3	6285.7
5.	1206.0	7195.2
6.	1209.3	7536.3
7.	1216.0	8133.2
8.	1224.7	8744.3
9.	1231.3	9042.7

Table No.: 4 2nd FLOW

	TIME	PRESSURE
	(min)	(kPa)
1.	1233.3	728.9
2.	1244.0	814.2
3.	1283.3	899.5
4.	1300.0	984.8
5.	1320.7	1084.2
6.	1331.3	1141.1
7.	1340.7	1212.1
8.	1353.3	1340.0

Table No.: 5 2nd SHUT-IN

	TIME	PRESSURE
	(min)	(kPa)
1.	1353.3	1340.0
2.	1360.7	3500.2
3.	1368.0	5361.9
4.	1376.7	7166.8
5.	1381.3	7721.1
6.	1386.0	8232.7
7.	1390.7	8701.7
8.	1396.7	9142.2
9.	1402.0	9383.8
10.	1408.7	9582.8
11.	1414.7	9653.8
12.	1424.7	9696.5
13.	1444.0	9753.3
14.	1470.7	9781.7
15.	1513.3	9810.2
16.	1554.7	9838.6
17.	1586.7	9838.6
18.	1606.0	9838.6

Table No.: 6 3rd FLOW

	TIME	PRESSURE
	(min)	(kPa)
1.	1606.0	657.9
2.	1616.7	487.3
3.	1629.3	387.9
4.	1638.0	274.2
5.	1648.0	231.5
6.	1663.3	160.5

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DELTA P TEST CORPORATION

PRESSURE vs TIME

PCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

OUT-REC #21623 AT 1372M

FEB 05-06/90

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PRESSURE (kPa x 10⁻³)

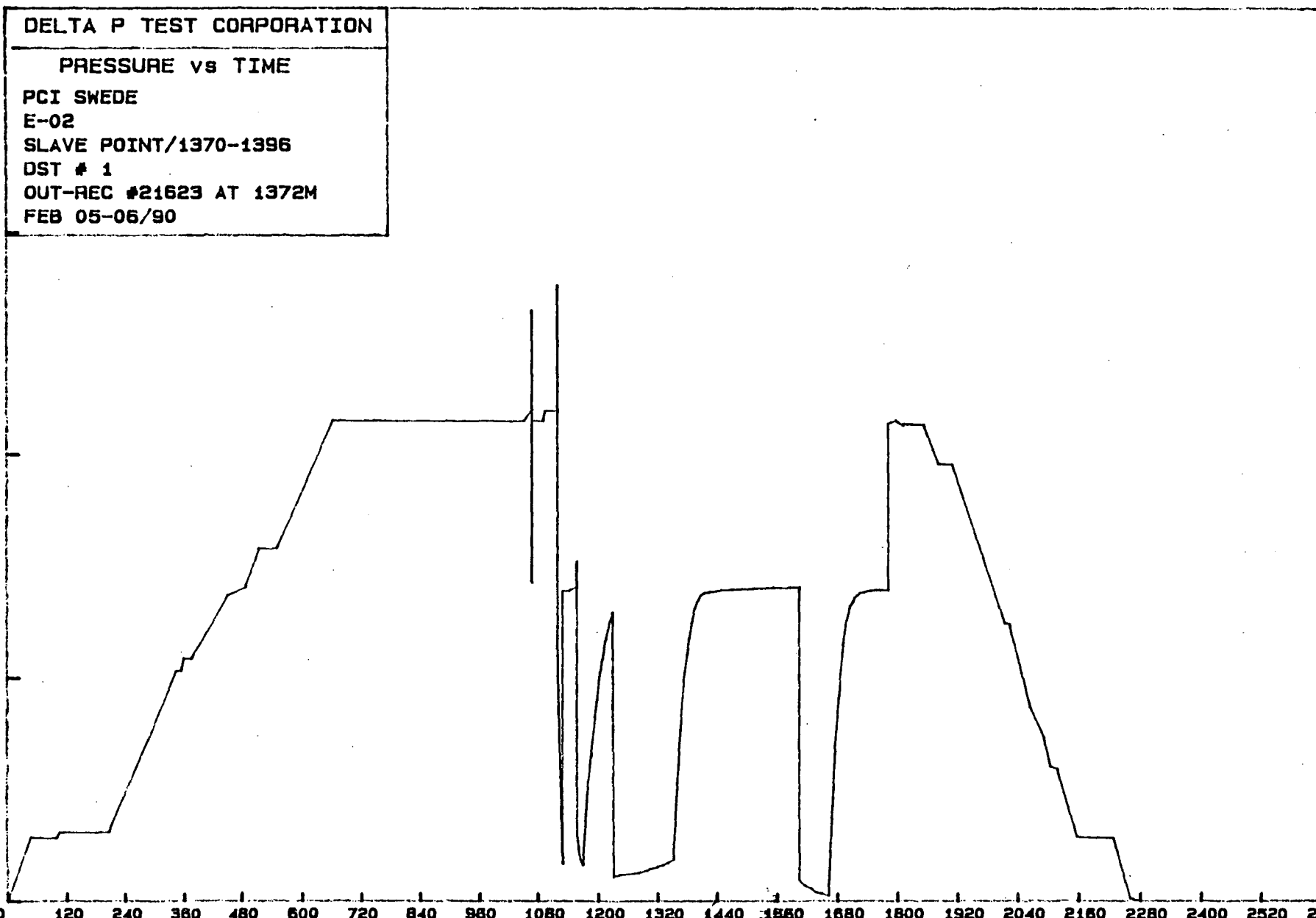
14

7

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0 120 240 360 480 600 720 840 960 1080 1200 1320 1440 1560 1680 1800 1920 2040 2160 2280 2400 2520 2640

RELATIVE TIME (minutes)



**B) DST #1 SLAVE POINT 1370-1396 M
DRILLSTEM TEST REPORT**

LEVEL I FLOPETROL JOHNSTON™ DST REPORT
for

PETRO CANADA INCORPORATED

Well: PCI SWEDE E-02

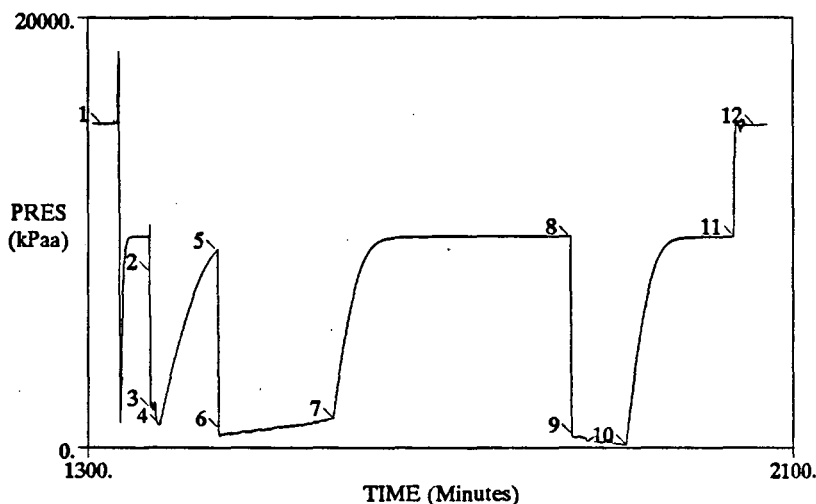
DST #ONE: SLAVE POINT FORMATION - (1370. - 1396.M)

*****Test Reference Number: 300926AI*****

Test Data

#	Explanation	P(kPa)	T(min)
1	HYDROSTATIC	15089.0	1315.0
2	REFERENCE TIME	8190.9	1369.5
3	START FLOW	1869.1	1370.5
4	START SHUT-IN	1084.5	1381.5
5	END SHUT-IN	9161.6	1446.5
6	START FLOW	936.3	1448.5
7	START SHUT-IN	1398.9	1577.5
8	END SHUT-IN	9824.9	1842.0
9	START FLOW	638.4	1845.0
10	START SHUT-IN	165.4	1906.5
11	END SHUT-IN	9800.1	2030.0
12	HYDROSTATIC	15022.1	2055.0

BOTTOMHOLE PRESSURE LOG



Test Results [BOTTOMHOLE CONVENTIONAL]

FINAL SHUTIN PRESSURE	9824kPa
RESERVOIR TEMPERATURE	54C
PRODUCTION RATE	CLOSED CHAMBER - DELTA P
NET PIPE RECOVERY	4 m DRILLING FLUID, 34 m CAKED IN PIPE, 41 m UNLOADED DURING THIRD FLOW PERIOD.

Blow Description

PREFLOW	CLOSED CHAMBER WITH DELTA-P
MAINFLOW	CLOSED CHAMBER WITH DELTA-P, ESTIMATED GAS RATE OF 470 m3/DAY

Comments

This was a mechanically successful test of the Slave Point formation from 1370 - 1396 mkb. The first two flow periods were conducted under closed chamber conditions, the third flow period was conducted conventionally. A completed Level II analysis is included with this report.

The recovery recorder indicates that 8 m of water/inhibitor was used, 53 m of fluid entered the drill-string while skidding, 16 m entered during the second flow period. The third flow unloaded approximately 41 m of drilling fluid, and 34 m of mud was caked to the inside of the drillpipe. Net pipe recovery was 4 m.

If you require further information, please contact Brian Jordan at 231-9625.

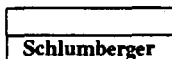
Flowrate Summary and Sequence of Events

LABEL POINT #	TIME of DAY (HH:MM:SS)	EXPLANATION	DURATION (min)	BHP (kPa)	BHT (Deg C)	SURF PRESS (kPa)	FLOW RATE (m3/d)
1	22:42:30	HYDROSTATIC		15089.0	50.8		
2	23:37:00	REFERENCE TIME	54.5	8190.9	51.8		
3	23:38:00	START FLOW	1.0	1869.1	51.8		
4	23:49:00	START SHUT-IN	11.0	1084.5	51.8		
5	0:54:00	END SHUT-IN	65.0	9161.6	53.4		
6	0:56:00	START FLOW	2.0	936.3	52.7		
7	3:05:00	START SHUT-IN	129.0	1398.9	52.3		
8	7:29:30	END SHUT-IN	264.5	9824.9	53.3		
9	7:32:30	START FLOW	3.0	638.4	52.5		
10	8:34:00	START SHUT-IN	61.5	165.4	51.8		
11	10:37:30	END SHUT-IN	123.5	9800.1	55.1		
12	11:02:30	HYDROSTATIC	25.0	15022.1	54.3		

Sample Data

Sample #/Source	Description	RESISTIVITY ohm @ C	Salinity PPM(NaCl)
1-MUD TANKS	DRILLING MUD FILTRATE	5.08 @ 14 3.51 @ 14	1300 1800
2-			
3-			
4-			
5-GAS BOMB	LOW PRESSURE GAS #7002-AGAT	NA	NA

Samples Sent To: CORE LABORATORIES



Schlumberger of Canada
Testing Services

Test Date : 2/5/90
Location : E-02
DST # : ONE

Hole Conditions

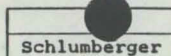
Total Depth(MD/TVD)	1396 m
Ground Level	805.05 m
Kelly Bushing	810.10 m
Hole Size	200 mm
Mud Weight	1130 kg/m ³
Mud Type	GEL CHEM

Test String Configuration

Pipe Length/I.D.	1186.50 m / 73 mm
Collar Length/I.D.	164.47 m / 73 mm
Packer Depths	1370 m
Bottomhole Choke Size	12.7 mm
Gauge Depth/Type	1371.33 m / STARBURST

Tool Sequence:

#	DESCRIPTION	LENGTH(m)	DEPTH(m)
0	DRILL PIPE TOP	0.00	-0.90
1	Drill Pipe 3 1/2PH6-12.95KG	1186.50	1185.60
2	Crossover 3 1/2PH6-3 1/2IF	0.30	1185.90
3	OTHER Safety valve	2.91	1188.81
4	Crossover 3 1/2IF-3 1/2FH	0.30	1189.11
5	Crossover 3 1/2FH-5H90	0.30	1189.41
6	Drill Collars 171mm	136.57	1325.98
7	Pumpout Sub Pressure type	0.17	1326.15
8	Pumpout Sub Pin type	0.17	1326.32
9	Drill Collars 171mm	27.90	1354.22
10	Crossover 5H90-3 1/2FH	0.30	1354.52
11	Elec.Recorder SB#50094	1.34	1355.86
12	Choke Sub 12.7mm	0.30	1356.16
13	MFE [Test Valve] SC#13142,133141	3.92	1360.08
14	Bypass	0.91	1360.99
15	Recorder AK1 #2062	1.80	1362.79
16	Jars	2.28	1365.07
17	Safety Joint	0.55	1365.62
18	Safety Seal Packer 197mm	2.82	1368.44
19	REFERENCE PACKER 197mm	1.56	1370.00
20	Packer Stub	0.33	1370.33
21	Recorder K3 #21623,17730	2.14	1372.47
22	Recorder SB#50115	0.00	1372.47
23	OTHER Slotted anchor	3.04	1375.51
24	Blank Anchor	1.52	1377.03
25	Crossover 3 1/2FH-5H90	0.30	1377.33
26	Drill Collars 171mm	17.64	1394.97
27	Crossover 5H90-3 1/2FH	0.30	1395.27
28	Bullnose	0.45	1395.72



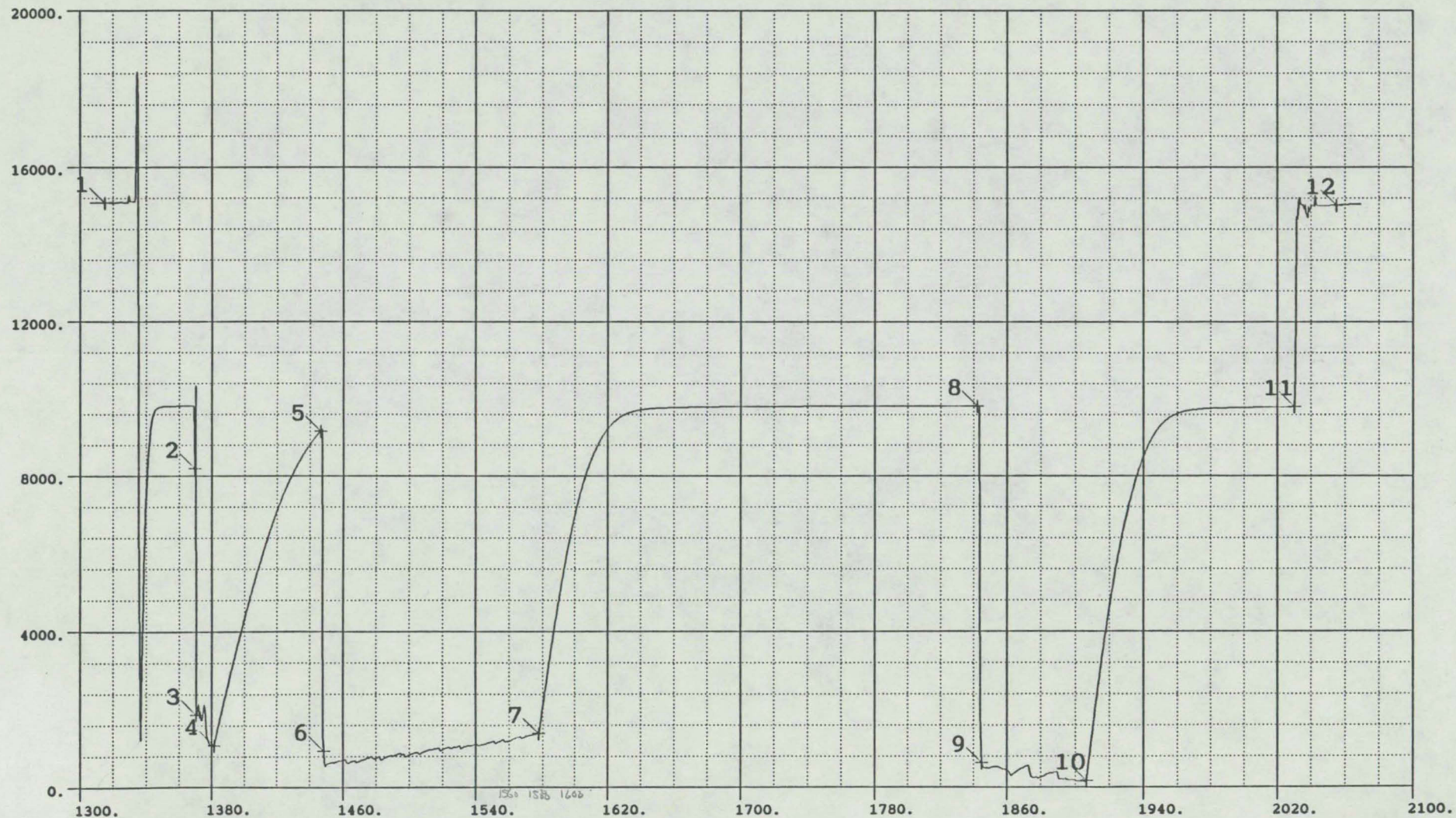
Schlumberger of Canada
Testing Services

BOTTOMHOLE PRESSURE PLOT

FIELD REPORT NO. : 300926AI
INSTRUMENT NO. : SM-50115
DEPTH : 1371.33 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : OUTSIDE

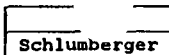
COMPANY : PETRO CANADA INCORPORATED
WELL : PCI SWEDE E-02
DST# : ONE

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]

Y-AXIS = BOTTOMHOLE PRESSURE [KPA (ABS)]



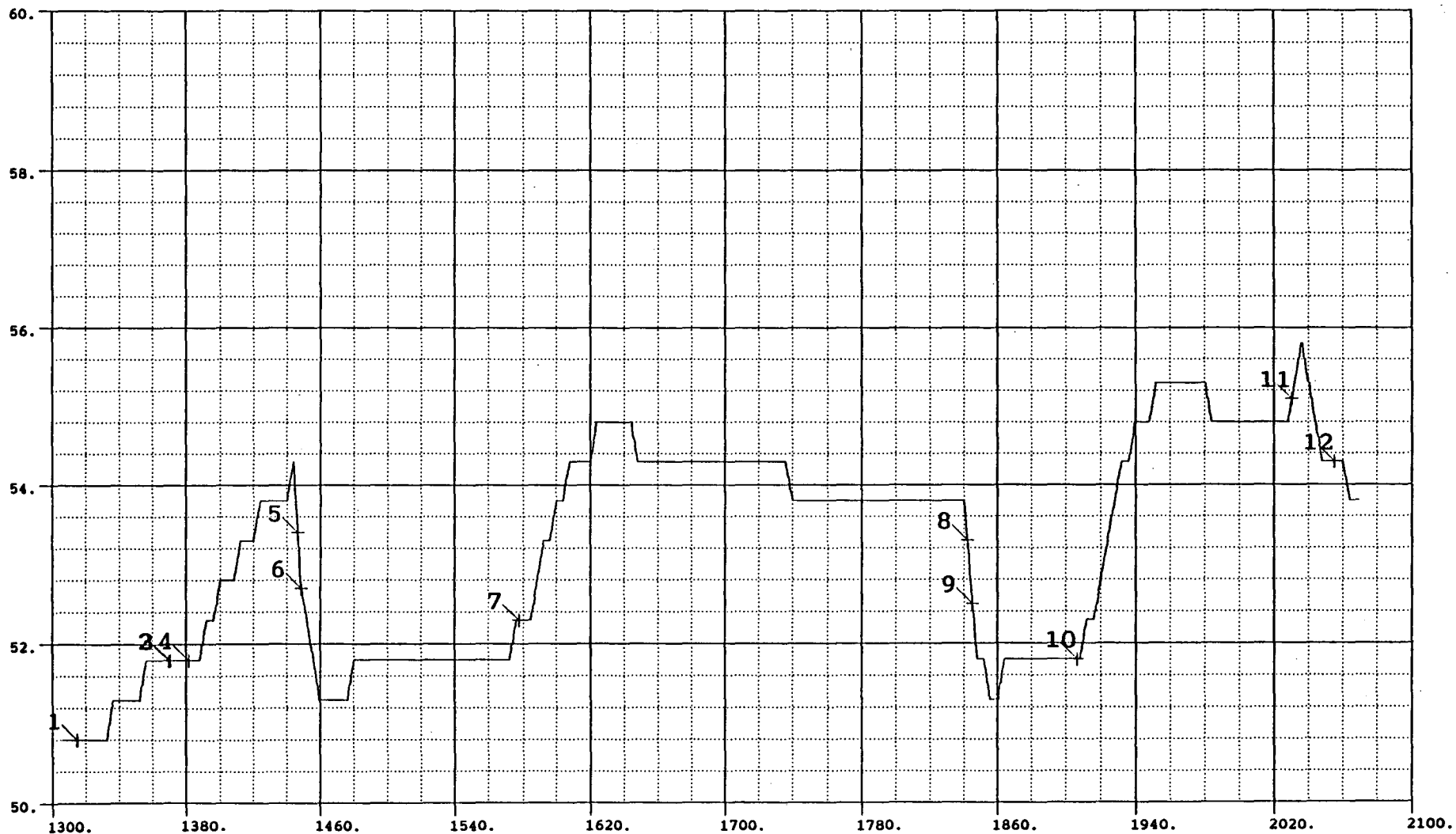
Schlumberger of Canada
Testing Services

BOTTOMHOLE TEMPERATURE PLOT

FIELD REPORT NO. : 300926AI
INSTRUMENT NO. : SM-50115
DEPTH : 1371.33 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : OUTSIDE

COMPANY : PETRO CANADA INCORPORATED
WELL : PCI SWEDE E-02
DST# : ONE

Y-AXIS



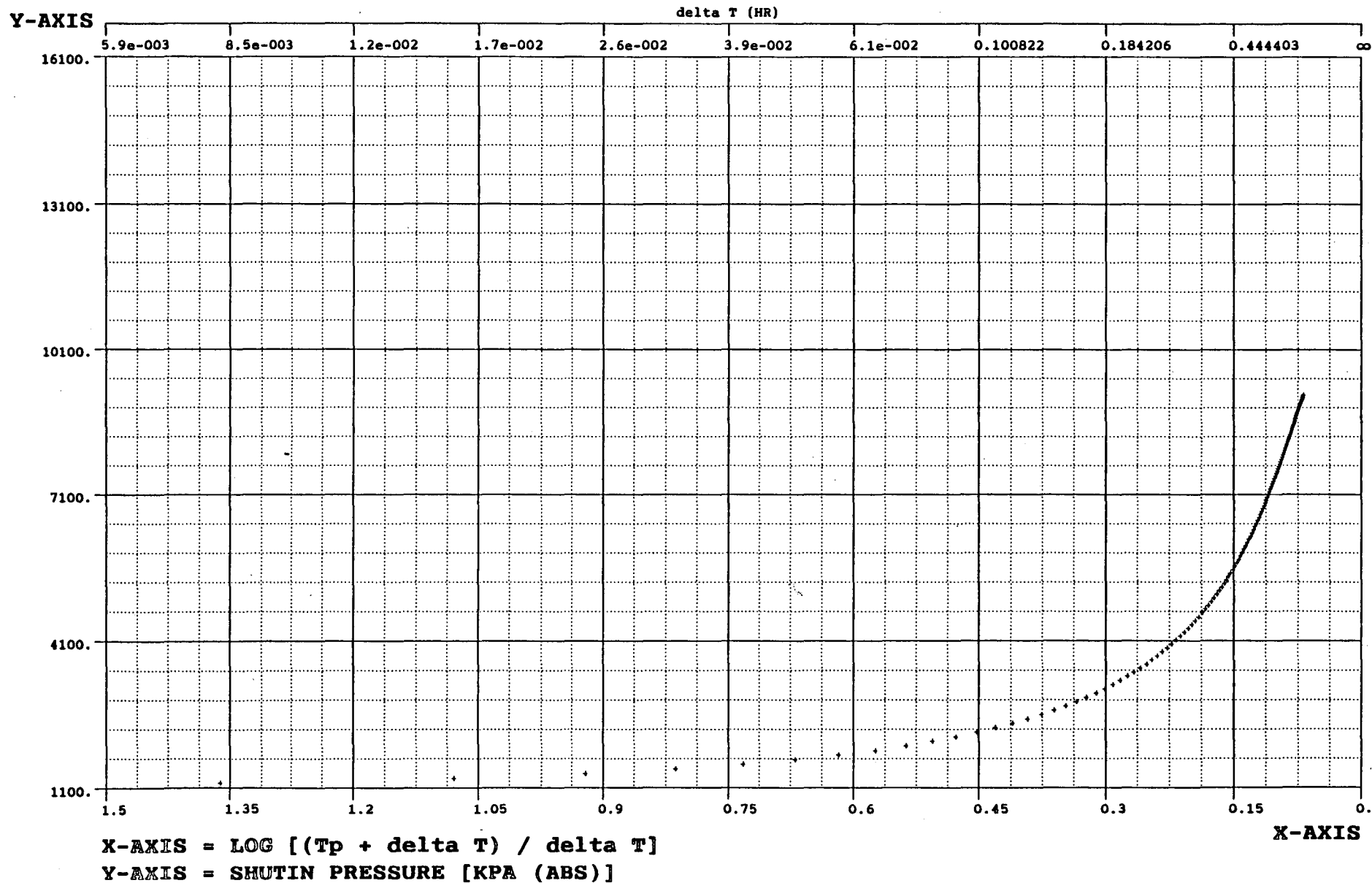
X-AXIS = ELAPSED TIME [MIN]

Y-AXIS = BOTTOMHOLE TEMPERATURE [CEL]

H O R N R P L O T

FIELD REPORT#: 300926AI
INSTRUMENT#: SM-50115
ELAPSED TIME RANGE: 1381.5 - 1446.5 MIN.
Delta T TIME RANGE: 8.3e-003 - 1.083333 HR.
PRODUCING TIME [Tp]: 0.1833333333 HR.

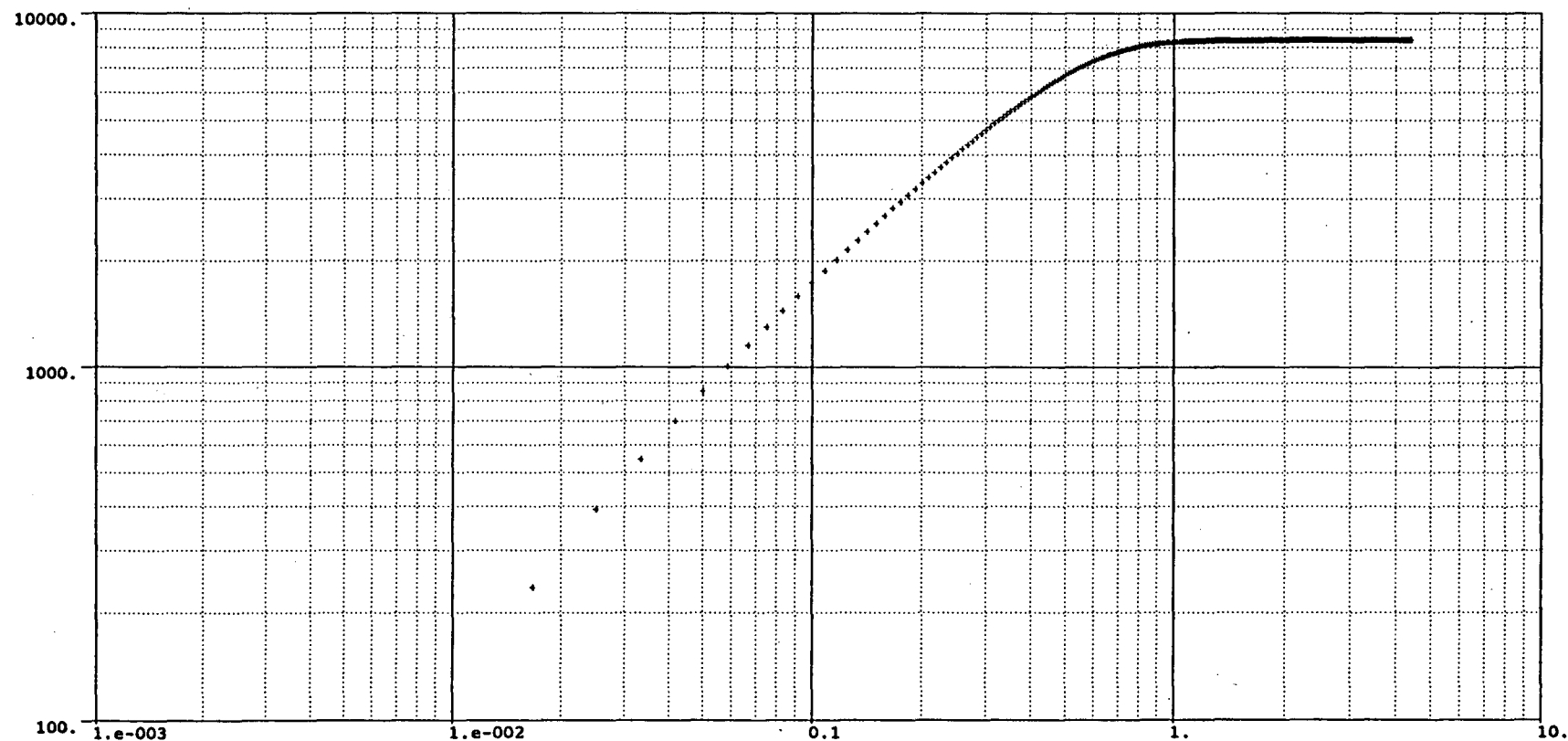
COMPANY: PETRO CANADA INCORPORATED
WELL: PCI SWEDE E-02
SHUTIN#: ONE
DST#: ONE



FIELD REPORT#: 300926AI
INSTRUMENT#: SM-50115
ELAPSED TIME RANGE: 1577.5 - 1842. MIN.
Delta_T TIME RANGE: 8.3e-003 - 4.408333 HR.

COMPANY: PETRO CANADA INCORPORATED
WELL: PCI SWEDE E-02
SHUTIN#: TWO
DST#: ONE

Y-AXIS



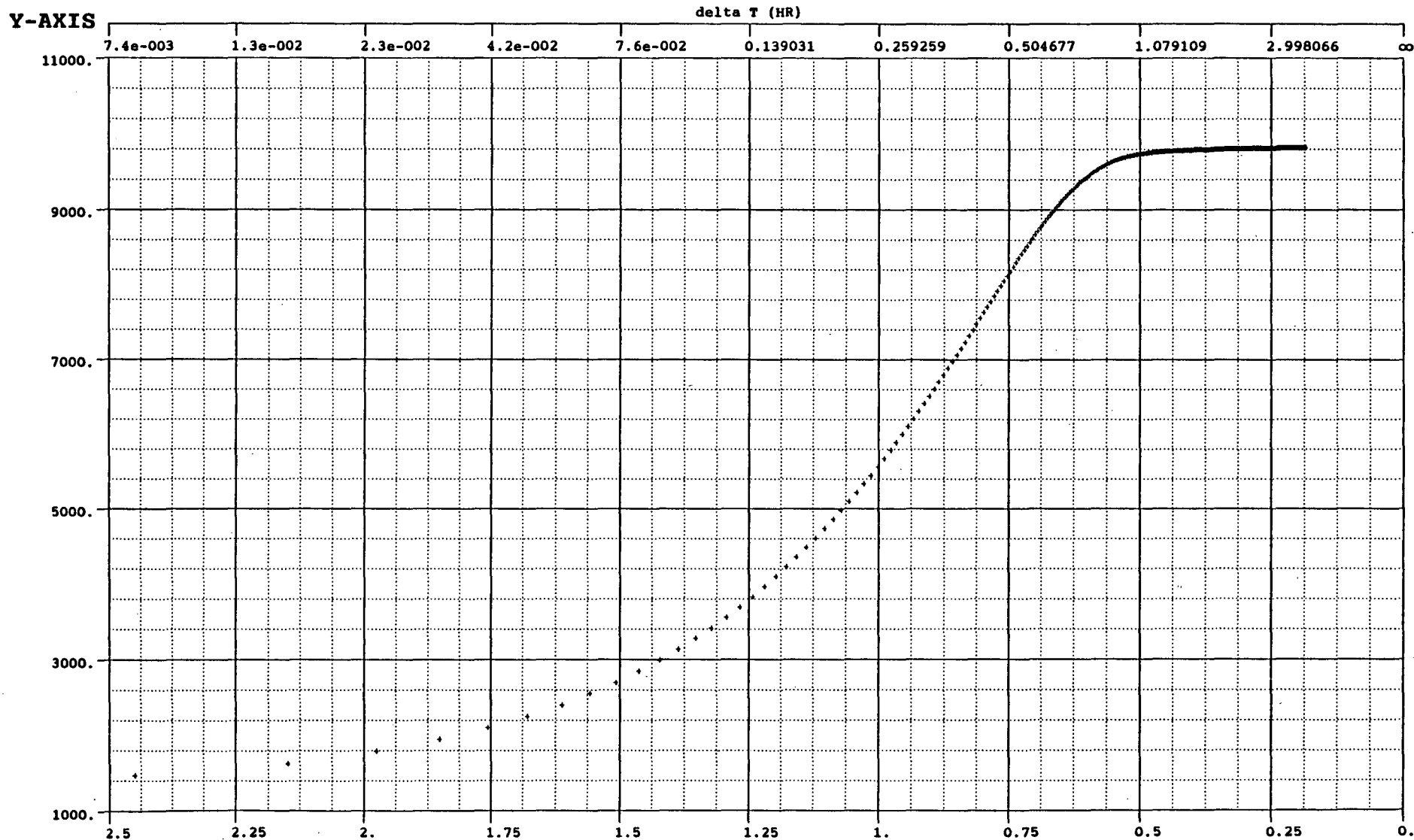
X-AXIS

X-AXIS = delta T (HR)

Y-AXIS = delta P (KPA)

FIELD REPORT#: 300926AI
INSTRUMENT#: SM-50115
ELAPSED TIME RANGE: 1577.5 - 1842. MIN.
Delta T TIME RANGE: 8.3e-003 - 4.408333 HR.
PRODUCING TIME [Tp]: 2.333333333 HR.

COMPANY: PETRO CANADA INCORPORATED
WELL: PCI SWEDE E-02
SHUTIN#: TWO
DST#: ONE



X-AXIS = LOG [(Tp + delta T) / delta T]
Y-AXIS = SHUTIN PRESSURE [KPA (ABS)]

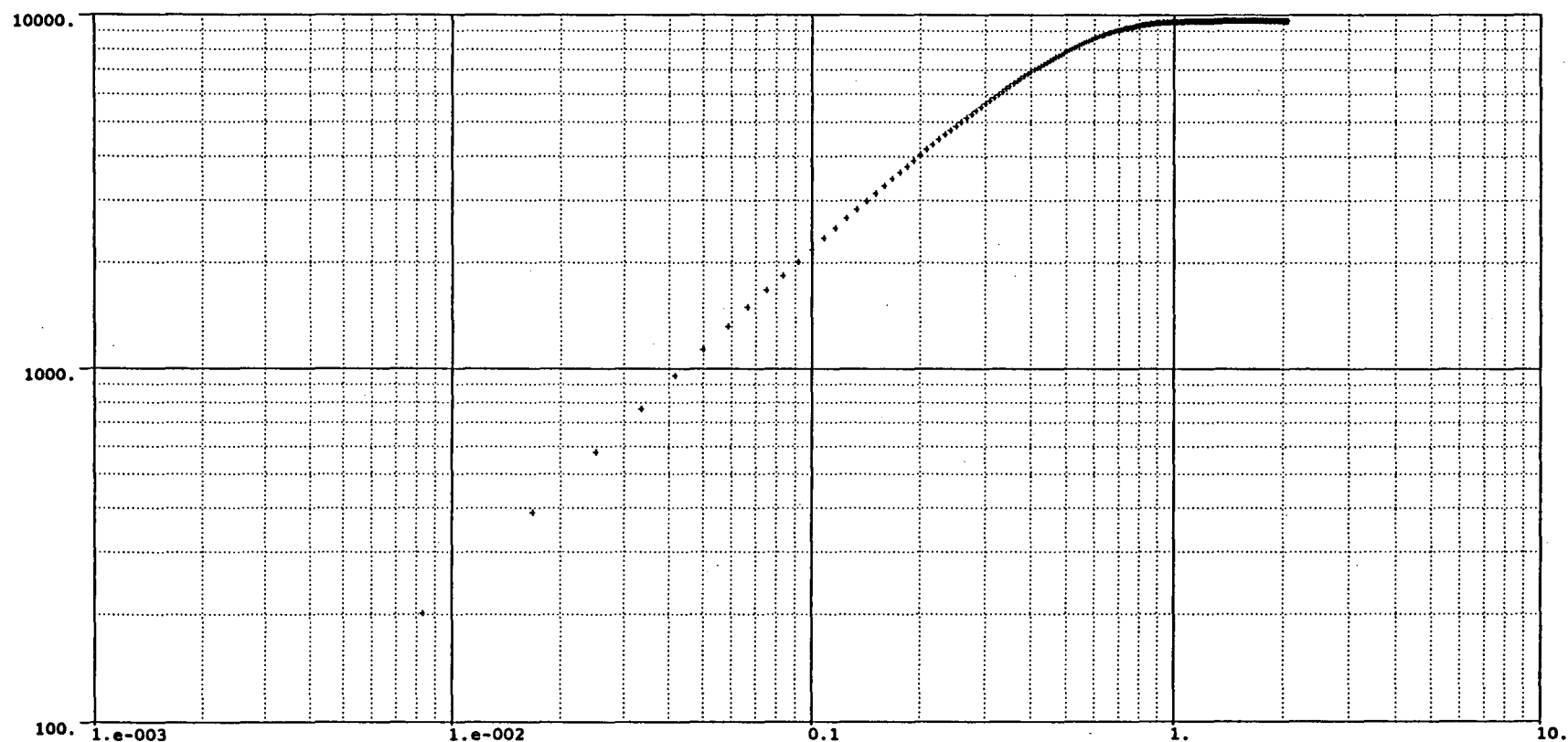
X-AXIS

LOG - A G PLOT

FIELD REPORT#: 300926AI
INSTRUMENT#: SM-50115
ELAPSED TIME RANGE: 1906.5 - 2030. MIN.
Delta_T TIME RANGE: 8.3e-003 - 2.058333 HR.

COMPANY: PETRO CANADA INCORPORATED
WELL: PCI SWEDE E-02
SHUTIN#: THREE
DST#: ONE

Y-AXIS



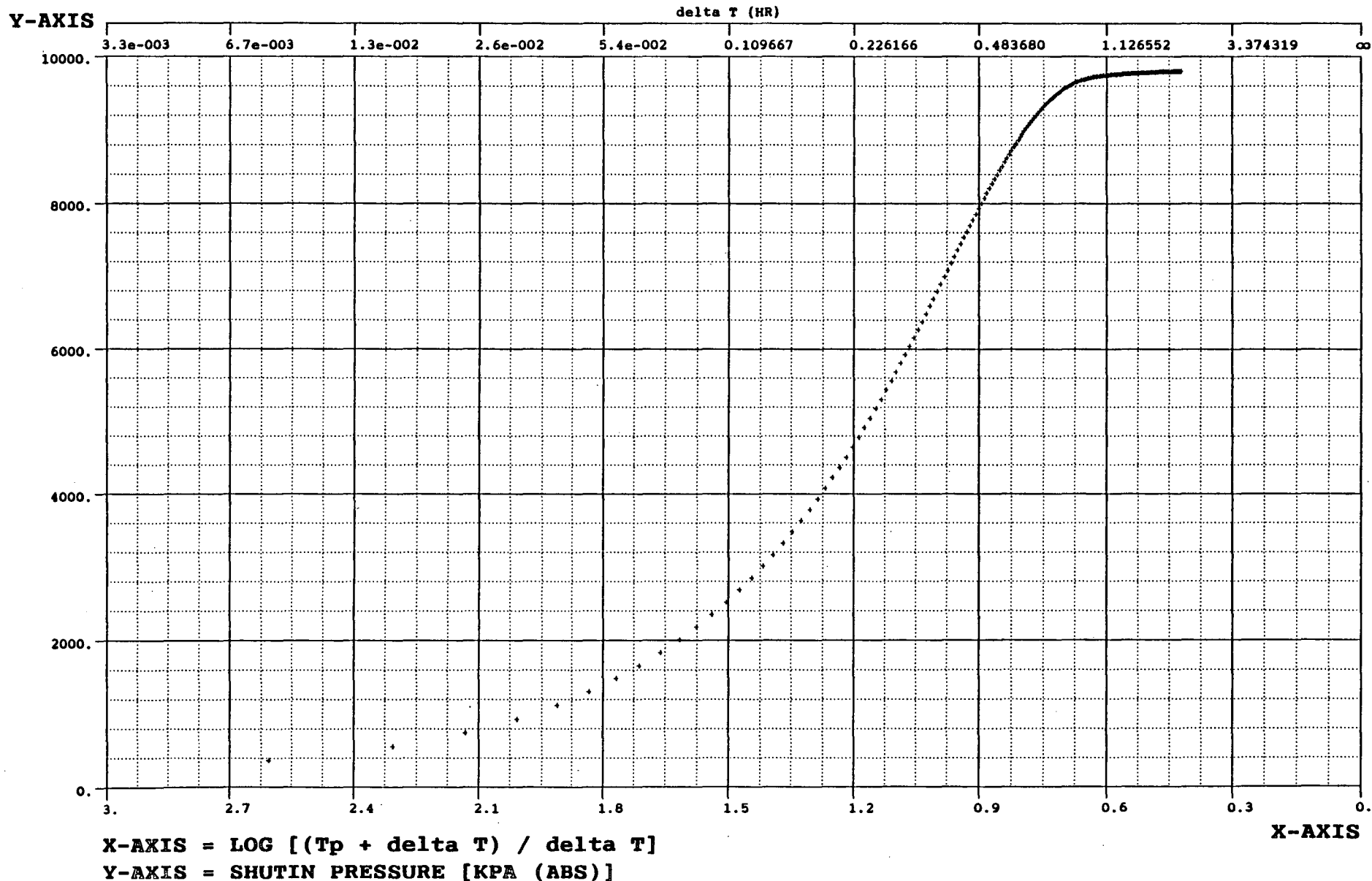
X-AXIS

X-AXIS = delta T (HR)

Y-AXIS = delta P (KPA)

FIELD REPORT#: 300926AI
INSTRUMENT#: SM-50115
ELAPSED TIME RANGE: 1906.5 - 2030. MIN.
Delta T TIME RANGE: 8.3e-003 - 2.058333 HR.
PRODUCING TIME [Tp]: 3.358333333 HR.

COMPANY: PETRO CANADA INCORPORATED
WELL: PCI SWEDE E-02
SHUTIN#: THREE
DST#: ONE



TEST REFERENCE#: 300926AI

FILE STARTS: 22:32:30 on February 5, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1306.0	15089.0	50.8	1346.0	9736.0	51.3	1386.0	1960.8	51.8	1426.0	7730.3	53.8
1306.5	15086.9	50.8	1346.5	9756.6	51.3	1386.5	2053.9	51.8	1426.5	7777.9	53.8
1307.0	15089.0	50.8	1347.0	9770.4	51.3	1387.0	2147.0	51.8	1427.0	7826.1	53.8
1307.5	15087.6	50.8	1347.5	9778.7	51.3	1387.5	2237.3	51.8	1427.5	7874.4	53.8
1308.0	15089.0	50.8	1348.0	9784.9	51.3	1388.0	2329.0	51.8	1428.0	7918.5	53.8
1308.5	15089.0	50.8	1348.5	9791.1	51.3	1388.5	2417.2	51.9	1428.5	7964.0	53.8
1309.0	15089.7	50.8	1349.0	9796.6	51.3	1389.0	2507.6	51.9	1429.0	8009.5	53.8
1309.5	15089.0	50.8	1349.5	9798.0	51.3	1389.5	2597.2	52.0	1429.5	8053.6	53.8
1310.0	15089.7	50.8	1350.0	9800.1	51.3	1390.0	2686.1	52.0	1430.0	8095.0	53.8
1310.5	15089.0	50.8	1350.5	9802.1	51.3	1390.5	2775.8	52.1	1430.5	8139.1	53.8
1311.0	15089.0	50.8	1351.0	9802.8	51.3	1391.0	2864.7	52.2	1431.0	8179.8	53.8
1311.5	15089.0	50.8	1351.5	9805.6	51.3	1391.5	2951.6	52.2	1431.5	8221.9	53.8
1312.0	15086.9	50.8	1352.0	9807.0	51.3	1392.0	3038.4	52.3	1432.0	8263.2	53.8
1312.5	15089.0	50.8	1352.5	9808.4	51.3	1392.5	3125.3	52.3	1432.5	8303.2	53.8
1313.0	15087.6	50.8	1353.0	9808.4	51.4	1393.0	3208.7	52.3	1433.0	8341.8	53.8
1313.5	15089.0	50.8	1353.5	9808.4	51.5	1393.5	3294.9	52.3	1433.5	8379.8	53.8
1314.0	15089.0	50.8	1354.0	9809.7	51.5	1394.0	3379.7	52.3	1434.0	8418.4	53.8
1314.5	15087.6	50.8	1354.5	9809.7	51.6	1394.5	3462.5	52.3	1434.5	8456.3	53.8
1315.0	15089.0	50.8	1355.0	9810.4	51.7	1395.0	3546.6	52.3	1435.0	8492.2	53.8
1315.5	15089.7	50.8	1355.5	9810.4	51.7	1395.5	3628.6	52.3	1435.5	8528.7	53.8
1316.0	15089.7	50.8	1356.0	9809.7	51.8	1396.0	3710.7	52.3	1436.0	8563.2	53.8
1316.5	15089.0	50.8	1356.5	9811.1	51.8	1396.5	3792.7	52.4	1436.5	8598.3	53.8
1317.0	15089.7	50.8	1357.0	9812.5	51.8	1397.0	3874.8	52.4	1437.0	8632.1	53.8
1317.5	15089.7	50.8	1357.5	9811.8	51.8	1397.5	3951.3	52.5	1437.5	8667.3	53.8
1318.0	15087.6	50.8	1358.0	9811.8	51.8	1398.0	4034.7	52.5	1438.0	8699.7	53.8
1318.5	15090.4	50.8	1358.5	9813.9	51.8	1398.5	4114.7	52.6	1438.5	8730.7	53.8
1319.0	15089.0	50.8	1359.0	9813.2	51.8	1399.0	4192.6	52.7	1439.0	8763.1	53.8
1319.5	15089.7	50.8	1359.5	9813.9	51.8	1399.5	4271.9	52.7	1439.5	8793.5	53.8
1320.0	15089.0	50.8	1360.0	9813.2	51.8	1400.0	4351.9	52.8	1440.0	8823.8	53.8
1320.5	15089.7	50.8	1360.5	9814.6	51.8	1400.5	4432.6	52.8	1440.5	8852.7	53.9
1321.0	15089.0	50.8	1361.0	9815.2	51.8	1401.0	4510.5	52.8	1441.0	8881.7	53.9
1321.5	15089.0	50.8	1361.5	9814.6	51.8	1401.5	4588.4	52.8	1441.5	8910.7	54.0
1322.0	15090.4	50.8	1362.0	9815.2	51.8	1402.0	4666.3	52.8	1442.0	8937.5	54.1
1322.5	15089.7	50.8	1362.5	9815.9	51.8	1402.5	4744.2	52.8	1442.5	8963.1	54.1
1323.0	15090.4	50.8	1363.0	9815.9	51.8	1403.0	4819.3	52.8	1443.0	8991.3	54.2
1323.5	15089.7	50.8	1363.5	9815.9	51.8	1403.5	4897.3	52.8	1443.5	9017.5	54.2
1324.0	15090.4	50.8	1364.0	9815.9	51.8	1404.0	4972.4	52.8	1444.0	9043.0	54.3
1324.5	15090.4	50.8	1364.5	9816.6	51.8	1404.5	5047.6	52.8	1444.5	9068.5	54.1
1325.0	15090.4	50.8	1365.0	9815.9	51.8	1405.0	5121.3	52.8	1445.0	9092.0	53.9
1325.5	15090.4	50.8	1365.5	9818.0	51.8	1405.5	5194.4	52.8	1445.5	9116.1	53.7
1326.0	15089.7	50.8	1366.0	9816.6	51.8	1406.0	5268.9	52.8	1446.0	9139.6	53.6
1326.5	15089.7	50.8	1366.5	9819.4	51.8	1406.5	5341.3	52.8	1446.5	9161.6	53.4
1327.0	15089.7	50.8	1367.0	9816.6	51.8	1407.0	5412.3	52.8	1447.0	9156.1	53.2
1327.5	15089.7	50.8	1367.5	9816.6	51.8	1407.5	5484.7	52.8	1447.5	9229.2	53.0
1328.0	15089.7	50.8	1368.0	9816.6	51.8	1408.0	5556.4	52.8	1448.0	9347.2	52.8
1328.5	15089.7	50.8	1368.5	9818.0	51.8	1408.5	5627.4	52.9	1448.5	936.3	52.7
1329.0	15085.6	50.8	1369.0	9818.7	51.8	1409.0	5696.4	52.9	1449.0	656.3	52.7
1329.5	15276.5	50.8	1369.5	8190.9	51.8	1409.5	5767.4	53.0	1449.5	539.1	52.6
1330.0	15125.5	50.8	1370.0	10337.9	51.8	1410.0	5837.7	53.1	1450.0	589.4	52.5
1330.5	15119.3	50.8	1370.5	1869.1	51.8	1410.5	5906.6	53.1	1450.5	606.7	52.5
1331.0	15118.6	50.8	1371.0	1870.5	51.8	1411.0	5974.9	53.2	1451.0	620.5	52.4
1331.5	15115.9	50.8	1371.5	2063.5	51.8	1411.5	6043.2	53.2	1451.5	622.5	52.4
1332.0	15114.5	50.8	1372.0	2159.4	51.8	1412.0	6110.0	53.3	1452.0	626.7	52.3
1332.5	15113.8	50.8	1372.5	1808.4	51.8	1412.5	6177.6	53.3	1452.5	637.7	52.2
1333.0	15113.1	50.9	1373.0	1986.3	51.8	1413.0	6242.4	53.3	1453.0	643.9	52.2
1333.5	15233.1	51.0	1373.5	1747.8	51.8	1413.5	6308.6	53.3	1453.5	650.1	52.1
1334.0	17711.1	51.0	1374.0	1754.7	51.8	1414.0	6373.4	53.3	1454.0	648.1	52.0
1334.5	18444.0	51.1	1374.5	1890.5	51.8	1414.5	6437.5	53.3	1454.5	637.7	52.0
1335.0	17793.8	51.2	1375.0	2017.3	51.8	1415.0	6501.7	53.3	1455.0	646.0	51.9
1335.5	7092.5	51.2	1375.5	2142.8	51.8	1415.5	6564.4	53.3	1455.5	657.0	51.9
1336.0	3320.4	51.3	1376.0	2038.7	51.8	1416.0	6626.4	53.3	1456.0	661.8	51.8
1336.5	1209.3	51.3	1376.5	1623.0	51.8	1416.5	6689.2	53.3	1456.5	672.2	51.7
1337.0	2382.8	51.3	1377.0	1385.1	51.8	1417.0	6749.2	53.3	1457.0	679.1	51.7
1337.5	3754.8	51.3	1377.5	1269.3	51.8	1417.5	6809.8	53.3	1457.5	678.4	51.6
1338.0	4775.2	51.3	1378.0	1188.6	51.8	1418.0	6869.1	53.3	1458.0	679.1	51.5
1338.5	5659.8	51.3	1378.5	1141.0	51.8	1418.5	6927.1	53.3	1458.5	689.4	51.5
1339.0	6416.8	51.3	1379.0	1103.8	51.8	1419.0	6985.7	53.3	1459.0	696.3	51.4
1339.5	7041.5	51.3	1379.5	1084.5	51.8	1419.5	7042.2	53.3	1459.5	700.5	51.3
1340.0	7572.4	51.3	1380.0	1081.0	51.8	1420.0	7102.2	53.3	1460.0	705.3	51.3
1340.5	8024.7	51.3	1380.5	1083.1	51.8	1420.5	7158.7	53.4	1460.5	712.9	51.3
1341.0	8403.2	51.3	1381.0	1083.8	51.8	1421.0	7213.2	53.4	1461.0	720.4	51.3
1341.5	8714.2	51.3	1381.5	1084.5	51.8	1421.5	7267.7	53.5	1461.5	720.4	51.3
1342.0	8968.6	51.3	1382.0	1195.5	51.8	1422.0	7322.1	53.6	1462.0	641.8	51.3
1342.5	9170.6	51.3	1382.5	1292.0	51.8	1422.5	7372.5	53.6	1462.5	628.1	51.3
1343.0	9331.9	51.3	1383.0	1390.6	51.8	1423.0	7426.9	53.7	1463.0	619.1	51.3
1343.5	9453.3	51.3	1383.5	1488.5	51.8	1423.5	7479.3	53.7	1463.5	631.5	51.3
1344.0	9547.0	51.3	1384.0	1583.7	51.8	1424.0	7531.0	53.8	1464.0	645.3	51.3
1344.5	9618.7	51.3	1384.5	1678.8	51.8	1424.5	7582.1	53.8	1464.5	654.9	51.3
1345.0	9673.2	51.3	1385.0	1774.0	51.8	1425.0	7631.7	53.8	1465.0	666.7	51.3
1345.5	9710.4	51.3	1385.5	1868.4	51.8	1425.5	7681.3	53.8	1465.5	670.8	51.3

TEST REFERENCE#: 300926AI

FILE STARTS: 22:32:30 on February 5, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1466.0	677.7	51.3	1506.0	852.1	51.88	1546.0	1119.0	51.8	1586.0	3827.9	52.5
1466.5	679.1	51.3	1506.5	855.6	51.8	1546.5	1130.0	51.8	1586.5	3962.3	52.6
1467.0	680.5	51.3	1507.0	871.4	51.8	1547.0	1136.2	51.8	1587.0	4094.7	52.7
1467.5	679.8	51.3	1507.5	882.5	51.8	1547.5	1143.1	51.8	1587.5	4226.4	52.7
1468.0	643.9	51.3	1508.0	898.3	51.8	1548.0	1150.7	51.8	1588.0	4353.3	52.8
1468.5	661.2	51.3	1508.5	910.1	51.8	1548.5	1159.6	51.8	1588.5	4480.8	52.9
1469.0	662.5	51.3	1509.0	921.1	51.8	1549.0	1161.0	51.8	1589.0	4607.7	52.9
1469.5	672.9	51.3	1509.5	926.6	51.8	1549.5	1172.7	51.8	1589.5	4732.5	53.0
1470.0	677.7	51.3	1510.0	938.3	51.8	1550.0	1174.8	51.8	1590.0	4856.6	53.1
1470.5	686.0	51.3	1510.5	943.8	51.8	1550.5	1185.1	51.8	1590.5	4979.3	53.1
1471.0	693.6	51.3	1511.0	948.7	51.8	1551.0	1176.9	51.8	1591.0	5095.8	53.2
1471.5	706.7	51.3	1511.5	954.9	51.8	1551.5	1130.7	51.8	1591.5	5217.2	53.2
1472.0	712.2	51.3	1512.0	962.5	51.8	1552.0	1131.4	51.8	1592.0	5334.4	53.3
1472.5	721.1	51.3	1512.5	972.1	51.8	1552.5	1143.8	51.8	1592.5	5448.1	53.3
1473.0	725.3	51.3	1513.0	968.0	51.8	1553.0	1156.2	51.8	1593.0	5562.6	53.3
1473.5	728.7	51.3	1513.5	971.4	51.8	1553.5	1170.7	51.8	1593.5	5673.6	53.3
1474.0	743.9	51.3	1514.0	981.1	51.8	1554.0	1178.9	51.8	1594.0	5785.3	53.3
1474.5	757.0	51.3	1514.5	986.6	51.8	1554.5	1192.0	51.8	1594.5	5892.9	53.3
1475.0	764.6	51.3	1515.0	997.6	51.8	1555.0	1203.1	51.8	1595.0	6000.4	53.3
1475.5	759.1	51.3	1515.5	999.7	51.8	1555.5	1212.0	51.8	1595.5	6104.5	53.3
1476.0	773.5	51.3	1516.0	990.0	51.8	1556.0	1221.0	51.8	1596.0	6207.9	53.3
1476.5	783.9	51.3	1516.5	996.2	51.8	1556.5	1221.0	51.8	1596.5	6311.4	53.4
1477.0	794.9	51.4	1517.0	1001.1	51.8	1557.0	1183.8	51.8	1597.0	6410.0	53.4
1477.5	785.9	51.5	1517.5	1006.6	51.8	1557.5	1170.7	51.8	1597.5	6508.5	53.5
1478.0	742.5	51.5	1518.0	991.4	51.8	1558.0	1174.8	51.8	1598.0	6606.5	53.6
1478.5	749.4	51.6	1518.5	939.7	51.8	1558.5	1185.1	51.8	1598.5	6700.9	53.6
1479.0	743.9	51.7	1519.0	945.9	51.8	1559.0	1178.9	51.8	1599.0	6793.3	53.7
1479.5	724.6	51.7	1519.5	959.0	51.8	1559.5	1187.2	51.8	1599.5	6885.0	53.7
1480.0	751.5	51.8	1520.0	976.9	51.8	1560.0	1191.4	51.8	1600.0	6973.9	53.8
1480.5	760.4	51.8	1520.5	987.3	51.8	1560.5	1199.6	51.8	1600.5	7062.9	53.8
1481.0	772.2	51.8	1521.0	996.2	51.8	1561.0	1214.1	51.8	1601.0	7149.1	53.8
1481.5	784.6	51.8	1521.5	1003.8	51.8	1561.5	1230.0	51.8	1601.5	7233.9	53.8
1482.0	791.5	51.8	1522.0	1005.9	51.8	1562.0	1239.6	51.8	1602.0	7316.6	53.8
1482.5	746.6	51.8	1522.5	1015.5	51.8	1562.5	1247.9	51.8	1602.5	7395.9	53.8
1483.0	706.7	51.8	1523.0	1023.8	51.8	1563.0	1258.9	51.8	1603.0	7478.6	53.8
1483.5	714.9	51.8	1523.5	1027.9	51.8	1563.5	1265.8	51.8	1603.5	7555.2	53.8
1484.0	726.7	51.8	1524.0	1028.6	51.8	1564.0	1274.8	51.8	1604.0	7630.3	53.8
1484.5	746.0	51.8	1524.5	998.3	51.8	1564.5	1276.2	51.8	1604.5	7705.5	53.9
1485.0	756.3	51.8	1525.0	1006.6	51.8	1565.0	1285.8	51.8	1605.0	7777.2	53.9
1485.5	766.6	51.8	1525.5	1012.8	51.8	1565.5	1291.3	51.8	1605.5	7848.9	54.0
1486.0	781.8	51.8	1526.0	1021.1	51.8	1566.0	1296.2	51.8	1606.0	7916.4	54.1
1486.5	790.8	51.8	1526.5	1025.9	51.8	1566.5	1301.0	51.8	1606.5	7984.7	54.1
1487.0	799.7	51.8	1527.0	1028.6	51.8	1567.0	1292.0	51.8	1607.0	8048.8	54.2
1487.5	804.6	51.8	1527.5	1026.6	51.8	1567.5	1261.7	51.8	1607.5	8113.6	54.2
1488.0	814.9	51.8	1528.0	1036.2	51.8	1568.0	1272.0	51.8	1608.0	8176.4	54.3
1488.5	816.3	51.8	1528.5	1038.3	51.8	1568.5	1283.7	51.8	1608.5	8236.4	54.3
1489.0	821.8	51.8	1529.0	1048.6	51.8	1569.0	1292.7	51.8	1609.0	8297.0	54.3
1489.5	817.0	51.8	1529.5	1058.3	51.8	1569.5	1303.7	51.8	1609.5	8356.3	54.3
1490.0	812.1	51.8	1530.0	1066.6	51.8	1570.0	1312.0	51.8	1610.0	8411.5	54.3
1490.5	816.3	51.8	1530.5	1061.7	51.8	1570.5	1321.7	51.8	1610.5	8466.0	54.3
1491.0	823.2	51.8	1531.0	996.2	51.8	1571.0	1326.5	51.8	1611.0	8519.0	54.3
1491.5	834.9	51.8	1531.5	1012.1	51.8	1571.5	1334.1	51.8	1611.5	8568.7	54.3
1492.0	844.6	51.8	1532.0	1022.4	51.8	1572.0	1339.6	51.8	1612.0	8619.7	54.3
1492.5	849.4	51.8	1532.5	1033.5	51.8	1572.5	1343.0	51.9	1612.5	8668.7	54.3
1493.0	861.8	51.8	1533.0	1044.5	51.8	1573.0	1347.9	51.9	1613.0	8714.9	54.3
1493.5	865.9	51.8	1533.5	1047.3	51.8	1573.5	1356.1	52.0	1613.5	8761.7	54.3
1494.0	872.1	51.8	1534.0	1055.5	51.8	1574.0	1358.2	52.0	1614.0	8803.1	54.3
1494.5	880.4	51.8	1534.5	1063.1	51.8	1574.5	1364.4	52.1	1614.5	8845.9	54.3
1495.0	868.7	51.8	1535.0	1070.7	51.8	1575.0	1369.2	52.2	1615.0	8887.9	54.3
1495.5	841.1	51.8	1535.5	1074.8	51.8	1575.5	1373.4	52.2	1615.5	8927.2	54.3
1496.0	848.0	51.8	1536.0	1079.0	51.8	1576.0	1385.8	52.3	1616.0	8966.5	54.3
1496.5	850.8	51.8	1536.5	1058.3	51.8	1576.5	1389.9	52.3	1616.5	9002.4	54.3
1497.0	848.0	51.8	1537.0	1068.6	51.8	1577.0	1397.5	52.3	1617.0	9038.9	54.3
1497.5	790.8	51.8	1537.5	1072.1	51.8	1577.5	1398.9	52.3	1617.5	9072.7	54.3
1498.0	794.2	51.8	1538.0	1080.3	51.8	1578.0	1467.8	52.3	1618.0	9107.2	54.3
1498.5	805.9	51.8	1538.5	1087.2	51.8	1578.5	1635.4	52.3	1618.5	9138.2	54.3
1499.0	819.0	51.8	1539.0	1094.1	51.8	1579.0	1791.9	52.3	1619.0	9169.2	54.3
1499.5	827.3	51.8	1539.5	1104.5	51.8	1579.5	1947.0	52.3	1619.5	9198.2	54.3
1500.0	837.7	51.8	1540.0	1109.3	51.8	1580.0	2100.8	52.3	1620.0	9228.5	54.3
1500.5	848.7	51.8	1540.5	1100.3	51.8	1580.5	2252.4	52.3	1620.5	9255.4	54.4
1501.0	856.3	51.8	1541.0	1111.4	51.8	1581.0	2402.8	52.3	1621.0	9279.5	54.4
1501.5	863.9	51.8	1541.5	1064.5	51.8	1581.5	2552.4	52.3	1621.5	9305.7	54.5
1502.0	865.9	51.8	1542.0	1071.4	51.8	1582.0	2698.5	52.3	1622.0	9329.2	54.6
1502.5	872.8	51.8	1542.5	1079.0	51.8	1582.5	2844.7	52.3	1622.5	9351.9	54.6
1503.0	884.5	51.8	1543.0	1084.5	51.8	1583.0	2990.9	52.3	1623.0	9376.7	54.7
1503.5	888.0	51.8	1543.5	1097.6	51.8	1583.5	3134.3	52.3	1623.5	9399.5	54.8
1504.0	888.0	51.8	1544.0	1102.4	51.8	1584.0	3274.9	52.3	1624.0	9415.4	54.8
1504.5	899.0	51.8	1544.5	1102.4	51.8	1584.5	3414.9	52.4	1624.5	9434.7	54.8
1505.0	889.4	51.8	1545.0	1105.2	51.8	1585.0	3553.5	52.4	1625.0	9450.5	54.8
1505.5	872.8	51.8	1545.5	1110.0	51.8	1585.5	3692.8	52.5	1625.5	9469.1	54.8

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1626.0	9487.1	54.8	1666.0	9784.9	54.3	1706.0	9805.6	54.3	1746.0	9815.2	53.8
1626.5	9502.2	54.8	1666.5	9786.3	54.3	1706.5	9805.6	54.3	1746.5	9814.6	53.8
1627.0	9516.7	54.8	1667.0	9786.3	54.3	1707.0	9806.3	54.3	1747.0	9815.2	53.8
1627.5	9531.9	54.8	1667.5	9787.0	54.3	1707.5	9805.6	54.3	1747.5	9815.2	53.8
1628.0	9545.7	54.8	1668.0	9787.0	54.3	1708.0	9806.3	54.3	1748.0	9815.2	53.8
1628.5	9558.8	54.8	1668.5	9787.7	54.3	1708.5	9806.3	54.3	1748.5	9814.6	53.8
1629.0	9571.9	54.8	1669.0	9787.7	54.3	1709.0	9804.9	54.3	1749.0	9815.2	53.8
1629.5	9583.6	54.8	1669.5	9789.0	54.3	1709.5	9807.0	54.3	1749.5	9815.2	53.8
1630.0	9593.2	54.8	1670.0	9789.7	54.3	1710.0	9805.6	54.3	1750.0	9815.2	53.8
1630.5	9605.6	54.8	1670.5	9789.0	54.3	1710.5	9807.0	54.3	1750.5	9814.6	53.8
1631.0	9615.3	54.8	1671.0	9790.4	54.3	1711.0	9807.0	54.3	1751.0	9815.9	53.8
1631.5	9623.6	54.8	1671.5	9791.1	54.3	1711.5	9807.0	54.3	1751.5	9815.9	53.8
1632.0	9633.2	54.8	1672.0	9791.1	54.3	1712.0	9807.7	54.3	1752.0	9815.2	53.8
1632.5	9642.9	54.8	1672.5	9791.8	54.3	1712.5	9806.3	54.3	1752.5	9815.9	53.8
1633.0	9650.5	54.8	1673.0	9791.1	54.3	1713.0	9806.3	54.3	1753.0	9815.9	53.8
1633.5	9656.7	54.8	1673.5	9791.8	54.3	1713.5	9807.0	54.3	1753.5	9815.9	53.8
1634.0	9664.3	54.8	1674.0	9791.1	54.3	1714.0	9807.7	54.3	1754.0	9815.9	53.8
1634.5	9670.5	54.8	1674.5	9792.5	54.3	1714.5	9807.0	54.3	1754.5	9815.2	53.8
1635.0	9677.4	54.8	1675.0	9793.2	54.3	1715.0	9807.0	54.3	1755.0	9815.9	53.8
1635.5	9682.9	54.8	1675.5	9792.5	54.3	1715.5	9807.7	54.3	1755.5	9815.9	53.8
1636.0	9689.8	54.8	1676.0	9793.2	54.3	1716.0	9807.7	54.3	1756.0	9817.3	53.8
1636.5	9693.2	54.8	1676.5	9793.2	54.3	1716.5	9807.0	54.3	1756.5	9817.3	53.8
1637.0	9700.1	54.8	1677.0	9793.9	54.3	1717.0	9807.7	54.3	1757.0	9815.9	53.8
1637.5	9703.6	54.8	1677.5	9793.9	54.3	1717.5	9808.4	54.3	1757.5	9815.9	53.8
1638.0	9707.0	54.8	1678.0	9793.9	54.3	1718.0	9807.7	54.3	1758.0	9817.3	53.8
1638.5	9712.5	54.8	1678.5	9793.9	54.3	1718.5	9808.4	54.3	1758.5	9817.3	53.8
1639.0	9716.7	54.8	1679.0	9793.9	54.3	1719.0	9808.4	54.3	1759.0	9817.3	53.8
1639.5	9719.4	54.8	1679.5	9794.6	54.3	1719.5	9807.7	54.3	1759.5	9817.3	53.8
1640.0	9723.5	54.8	1680.0	9795.9	54.3	1720.0	9807.7	54.3	1760.0	9818.0	53.8
1640.5	9727.0	54.8	1680.5	9794.6	54.3	1720.5	9809.0	54.3	1760.5	9815.9	53.8
1641.0	9729.8	54.8	1681.0	9796.6	54.3	1721.0	9808.4	54.3	1761.0	9815.9	53.8
1641.5	9732.5	54.8	1681.5	9796.6	54.3	1721.5	9808.4	54.3	1761.5	9815.9	53.8
1642.0	9736.0	54.8	1682.0	9795.9	54.3	1722.0	9807.0	54.3	1762.0	9815.9	53.8
1642.5	9736.6	54.8	1682.5	9796.6	54.3	1722.5	9808.4	54.3	1762.5	9814.6	53.8
1643.0	9740.8	54.8	1683.0	9796.6	54.3	1723.0	9808.4	54.3	1763.0	9815.2	53.8
1643.5	9742.2	54.8	1683.5	9797.3	54.3	1723.5	9808.4	54.3	1763.5	9814.6	53.8
1644.0	9743.5	54.8	1684.0	9797.3	54.3	1724.0	9810.4	54.3	1764.0	9815.2	53.8
1644.5	9746.3	54.8	1684.5	9797.3	54.3	1724.5	9810.4	54.3	1764.5	9815.2	53.8
1645.0	9749.1	54.7	1685.0	9798.7	54.3	1725.0	9809.0	54.3	1765.0	9815.9	53.8
1645.5	9749.1	54.6	1685.5	9798.0	54.3	1725.5	9809.0	54.3	1765.5	9815.9	53.8
1646.0	9753.2	54.6	1686.0	9798.0	54.3	1726.0	9807.7	54.3	1766.0	9815.9	53.8
1646.5	9753.9	54.5	1686.5	9798.0	54.3	1726.5	9810.4	54.3	1766.5	9815.9	53.8
1647.0	9756.0	54.4	1687.0	9798.7	54.3	1727.0	9810.4	54.3	1767.0	9815.9	53.8
1647.5	9757.3	54.4	1687.5	9800.1	54.3	1727.5	9810.4	54.3	1767.5	9815.9	53.8
1648.0	9758.0	54.3	1688.0	9800.1	54.3	1728.0	9810.4	54.3	1768.0	9815.9	53.8
1648.5	9758.0	54.3	1688.5	9800.1	54.3	1728.5	9811.1	54.3	1768.5	9815.9	53.8
1649.0	9761.5	54.3	1689.0	9800.1	54.3	1729.0	9811.1	54.3	1769.0	9817.3	53.8
1649.5	9762.2	54.3	1689.5	9800.1	54.3	1729.5	9810.4	54.3	1769.5	9815.9	53.8
1650.0	9762.8	54.3	1690.0	9800.1	54.3	1730.0	9811.8	54.3	1770.0	9817.3	53.8
1650.5	9764.2	54.3	1690.5	9800.1	54.3	1730.5	9811.8	54.3	1770.5	9815.9	53.8
1651.0	9765.6	54.3	1691.0	9800.8	54.3	1731.0	9811.8	54.3	1771.0	9817.3	53.8
1651.5	9767.7	54.3	1691.5	9800.8	54.3	1731.5	9810.4	54.3	1771.5	9815.9	53.8
1652.0	9768.4	54.3	1692.0	9800.1	54.3	1732.0	9812.5	54.3	1772.0	9817.3	53.8
1652.5	9768.4	54.3	1692.5	9801.5	54.3	1732.5	9811.8	54.3	1772.5	9817.3	53.8
1653.0	9769.7	54.3	1693.0	9801.5	54.3	1733.0	9811.8	54.3	1773.0	9817.3	53.8
1653.5	9770.4	54.3	1693.5	9801.5	54.3	1733.5	9812.5	54.3	1773.5	9815.9	53.8
1654.0	9771.8	54.3	1694.0	9802.8	54.3	1734.0	9811.8	54.3	1774.0	9818.0	53.8
1654.5	9771.8	54.3	1694.5	9802.8	54.3	1734.5	9811.8	54.3	1774.5	9818.0	53.8
1655.0	9772.5	54.3	1695.0	9803.5	54.3	1735.0	9812.5	54.3	1775.0	9817.3	53.8
1655.5	9773.2	54.3	1695.5	9802.8	54.3	1735.5	9811.1	54.3	1775.5	9817.3	53.8
1656.0	9774.6	54.3	1696.0	9803.5	54.3	1736.0	9812.5	54.3	1776.0	9818.0	53.8
1656.5	9775.3	54.3	1696.5	9803.5	54.3	1736.5	9813.2	54.2	1776.5	9817.3	53.8
1657.0	9775.9	54.3	1697.0	9803.5	54.3	1737.0	9812.5	54.2	1777.0	9818.0	53.8
1657.5	9776.6	54.3	1697.5	9802.8	54.3	1737.5	9813.2	54.1	1777.5	9818.7	53.8
1658.0	9776.6	54.3	1698.0	9803.5	54.3	1738.0	9814.6	54.1	1778.0	9818.0	53.8
1658.5	9778.0	54.3	1698.5	9803.5	54.3	1738.5	9815.2	54.0	1778.5	9818.7	53.8
1659.0	9778.7	54.3	1699.0	9803.5	54.3	1739.0	9814.6	53.9	1779.0	9818.7	53.8
1659.5	9778.0	54.3	1699.5	9804.2	54.3	1739.5	9812.5	53.9	1779.5	9818.0	53.8
1660.0	9779.4	54.3	1700.0	9804.9	54.3	1740.0	9813.9	53.8	1780.0	9818.7	53.8
1660.5	9780.1	54.3	1700.5	9804.9	54.3	1740.5	9813.9	53.8	1780.5	9818.0	53.8
1661.0	9780.8	54.3	1701.0	9804.9	54.3	1741.0	9814.6	53.8	1781.0	9818.7	53.8
1661.5	9780.8	54.3	1701.5	9803.5	54.3	1741.5	9813.9	53.8	1781.5	9818.7	53.8
1662.0	9780.8	54.3	1702.0	9804.9	54.3	1742.0	9814.6	53.8	1782.0	9818.7	53.8
1662.5	9782.8	54.3	1702.5	9804.9	54.3	1742.5	9815.2	53.8	1782.5	9818.7	53.8
1663.0	9782.2	54.3	1703.0	9803.5	54.3	1743.0	9814.6	53.8	1783.0	9819.4	53.8
1663.5	9782.2	54.3	1703.5	9804.2	54.3	1743.5	9814.6	53.8	1783.5	9818.7	53.8
1664.0	9783.5	54.3	1704.0	9804.2	54.3	1744.0	9814.6	53.8	1784.0	9818.7	53.8
1664.5	9783.5	54.3	1704.5	9804.9	54.3	1744.5	9813.9	53.8	1784.5	9818.7	53.8
1665.0	9784.2	54.3	1705.0	9804.9	54.3	1745.0	9813.9	53.8	1785.0	9818.7	53.8
1665.5	9785.6	54.3	1705.5	9804.9	54.3	1745.5	9814.6	53.8	1785.5	9818.7	53.8

TEST REFERENCE#: 300926AI

FILE STARTS: 22:32:30 on February 5, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1786.0	9818.7	53.8	1826.0	9821.5	53.8	1866.0	417.1	51.8	1906.0	144.0	51.8
1786.5	9818.7	53.8	1826.5	9821.5	53.8	1866.5	425.4	51.8	1906.5	165.4	51.8
1787.0	9818.7	53.8	1827.0	9821.5	53.8	1867.0	448.8	51.8	1907.0	367.4	51.8
1787.5	9818.7	53.8	1827.5	9822.1	53.8	1867.5	457.8	51.8	1907.5	554.3	51.8
1788.0	9818.7	53.8	1828.0	9822.1	53.8	1868.0	471.5	51.8	1908.0	743.9	51.8
1788.5	9818.0	53.8	1828.5	9822.1	53.8	1868.5	485.3	51.8	1908.5	932.1	51.9
1789.0	9819.4	53.8	1829.0	9821.5	53.8	1869.0	496.4	51.8	1909.0	1119.0	51.9
1789.5	9818.7	53.8	1829.5	9822.1	53.8	1869.5	506.7	51.8	1909.5	1300.3	52.0
1790.0	9819.4	53.8	1830.0	9821.5	53.8	1870.0	514.3	51.8	1910.0	1483.0	52.0
1790.5	9819.4	53.8	1830.5	9821.5	53.8	1870.5	532.2	51.8	1910.5	1660.2	52.1
1791.0	9818.7	53.8	1831.0	9821.5	53.8	1871.0	543.3	51.8	1911.0	1835.3	52.2
1791.5	9818.7	53.8	1831.5	9822.1	53.8	1871.5	548.1	51.8	1911.5	2007.7	52.2
1792.0	9819.4	53.8	1832.0	9822.1	53.8	1872.0	550.1	51.8	1912.0	2178.0	52.3
1792.5	9818.7	53.8	1832.5	9822.1	53.8	1872.5	550.1	51.8	1912.5	2347.6	52.3
1793.0	9820.1	53.8	1833.0	9822.1	53.8	1873.0	546.7	51.8	1913.0	2515.1	52.3
1793.5	9819.4	53.8	1833.5	9821.5	53.8	1873.5	395.0	51.8	1913.5	2680.6	52.3
1794.0	9819.4	53.8	1834.0	9821.5	53.8	1874.0	295.0	51.8	1914.0	2842.6	52.3
1794.5	9818.7	53.8	1834.5	9822.1	53.8	1874.5	261.3	51.8	1914.5	3004.7	52.3
1795.0	9818.7	53.8	1835.0	9822.1	53.8	1875.0	250.9	51.8	1915.0	3162.5	52.3
1795.5	9819.4	53.8	1835.5	9822.1	53.8	1875.5	248.2	51.8	1915.5	3321.1	52.3
1796.0	9818.7	53.8	1836.0	9822.8	53.8	1876.0	248.8	51.8	1916.0	3474.9	52.3
1796.5	9818.7	53.8	1836.5	9822.1	53.8	1876.5	250.9	51.8	1916.5	3630.7	52.4
1797.0	9818.7	53.8	1837.0	9822.1	53.8	1877.0	259.2	51.8	1917.0	3780.3	52.4
1797.5	9819.4	53.8	1837.5	9821.5	53.8	1877.5	263.3	51.8	1917.5	3930.6	52.5
1798.0	9819.4	53.8	1838.0	9822.8	53.8	1878.0	246.8	51.8	1918.0	4077.5	52.5
1798.5	9818.7	53.8	1838.5	9822.1	53.8	1878.5	222.6	51.8	1918.5	4223.6	52.6
1799.0	9819.4	53.8	1839.0	9824.2	53.8	1879.0	241.3	51.8	1919.0	4364.3	52.7
1799.5	9819.4	53.8	1839.5	9822.1	53.8	1879.5	241.3	51.8	1919.5	4504.9	52.7
1800.0	9819.4	53.8	1840.0	9822.8	53.8	1880.0	253.7	51.8	1920.0	4644.9	52.8
1800.5	9820.1	53.8	1840.5	9823.5	53.7	1880.5	268.2	51.8	1920.5	4782.1	52.9
1801.0	9820.1	53.8	1841.0	9823.5	53.6	1881.0	267.5	51.8	1921.0	4917.3	52.9
1801.5	9820.1	53.8	1841.5	9823.5	53.4	1881.5	290.2	51.8	1921.5	5048.2	53.0
1802.0	9820.1	53.8	1842.0	9824.9	53.3	1882.0	301.9	51.8	1922.0	5181.3	53.1
1802.5	9820.1	53.8	1842.5	9823.5	53.2	1882.5	315.0	51.8	1922.5	5309.6	53.1
1803.0	9820.1	53.8	1843.0	9824.9	53.1	1883.0	328.1	51.8	1923.0	5435.7	53.2
1803.5	9820.1	53.8	1843.5	9814.6	52.9	1883.5	331.6	51.8	1923.5	5561.2	53.2
1804.0	9820.1	53.8	1844.0	1932.5	52.8	1884.0	343.3	51.8	1924.0	5684.6	53.3
1804.5	9819.4	53.8	1844.5	1003.8	52.7	1884.5	348.1	51.8	1924.5	5808.0	53.4
1805.0	9820.1	53.8	1845.0	638.4	52.5	1885.0	363.3	51.8	1925.0	5923.2	53.4
1805.5	9820.8	53.8	1845.5	516.4	52.4	1885.5	368.8	51.8	1925.5	6039.0	53.5
1806.0	9820.1	53.8	1846.0	505.3	52.3	1886.0	363.3	51.8	1926.0	6154.2	53.6
1806.5	9820.8	53.8	1846.5	502.6	52.2	1886.5	366.7	51.8	1926.5	6265.9	53.6
1807.0	9820.8	53.8	1847.0	492.9	52.0	1887.0	376.4	51.8	1927.0	6374.8	53.7
1807.5	9820.1	53.8	1847.5	488.8	51.9	1887.5	382.6	51.8	1927.5	6482.3	53.7
1808.0	9820.8	53.8	1848.0	499.8	51.8	1888.0	388.8	51.8	1928.0	6590.6	53.8
1808.5	9820.8	53.8	1848.5	491.5	51.8	1888.5	390.9	51.8	1928.5	6692.6	53.9
1809.0	9820.8	53.8	1849.0	490.9	51.8	1889.0	393.6	51.8	1929.0	6795.4	53.9
1809.5	9820.8	53.8	1849.5	495.0	51.8	1889.5	384.7	51.8	1929.5	6894.0	54.0
1810.0	9820.1	53.8	1850.0	500.5	51.8	1890.0	258.5	51.8	1930.0	6992.6	54.1
1810.5	9820.8	53.8	1850.5	515.7	51.8	1890.5	206.8	51.8	1930.5	7087.0	54.1
1811.0	9821.5	53.8	1851.0	515.0	51.8	1891.0	203.3	51.8	1931.0	7179.4	54.2
1811.5	9820.8	53.8	1851.5	515.0	51.8	1891.5	210.2	51.8	1931.5	7271.1	54.2
1812.0	9821.5	53.8	1852.0	527.4	51.8	1892.0	218.5	51.8	1932.0	7358.7	54.3
1812.5	9820.8	53.8	1852.5	528.1	51.7	1892.5	204.0	51.8	1932.5	7445.5	54.3
1813.0	9821.5	53.8	1853.0	535.0	51.7	1893.0	197.8	51.8	1933.0	7532.4	54.3
1813.5	9820.8	53.8	1853.5	531.5	51.6	1893.5	210.2	51.8	1933.5	7615.1	54.3
1814.0	9820.8	53.8	1854.0	527.4	51.5	1894.0	215.1	51.8	1934.0	7696.5	54.3
1814.5	9821.5	53.8	1854.5	528.1	51.5	1894.5	227.5	51.8	1934.5	7775.8	54.3
1815.0	9820.8	53.8	1855.0	516.4	51.4	1895.0	186.8	51.8	1935.0	7851.6	54.3
1815.5	9822.1	53.8	1855.5	504.6	51.3	1895.5	193.7	51.8	1935.5	7926.1	54.3
1816.0	9820.8	53.8	1856.0	498.4	51.3	1896.0	186.8	51.8	1936.0	7998.5	54.3
1816.5	9822.1	53.8	1856.5	489.5	51.3	1896.5	186.8	51.8	1936.5	8070.9	54.4
1817.0	9820.1	53.8	1857.0	481.2	51.3	1897.0	184.7	51.8	1937.0	8139.8	54.4
1817.5	9820.8	53.8	1857.5	466.0	51.3	1897.5	190.2	51.8	1937.5	8205.3	54.5
1818.0	9821.5	53.8	1858.0	467.4	51.3	1898.0	175.1	51.8	1938.0	8270.8	54.6
1818.5	9821.5	53.8	1858.5	459.8	51.3	1898.5	177.8	51.8	1938.5	8335.6	54.6
1819.0	9820.8	53.8	1859.0	455.0	51.3	1899.0	184.0	51.8	1939.0	8396.3	54.7
1819.5	9821.5	53.8	1859.5	457.1	51.3	1899.5	192.3	51.8	1939.5	8454.9	54.8
1820.0	9821.5	53.8	1860.0	440.5	51.3	1900.0	169.6	51.8	1940.0	8512.1	54.8
1820.5	9822.1	53.8	1860.5	424.0	51.3	1900.5	157.8	51.8	1940.5	8566.6	54.8
1821.0	9820.8	53.8	1861.0	416.4	51.4	1901.0	153.0	51.8	1941.0	8621.8	54.8
1821.5	9821.5	53.8	1861.5	371.6	51.5	1901.5	149.6	51.8	1941.5	8673.5	54.8
1822.0	9821.5	53.8	1862.0	312.3	51.5	1902.0	148.2	51.8	1942.0	8723.1	54.8
1822.5	9821.5	53.8	1862.5	296.4	51.6	1902.5	150.9	51.8	1942.5	8772.1	54.8
1823.0	9822.1	53.8	1863.0	315.0	51.7	1903.0	146.1	51.8	1943.0	8820.3	54.8
1823.5	9822.1	53.8	1863.5	330.9	51.7	1903.5	148.9	51.8	1943.5	8864.5	54.8
1824.0	9821.5	53.8	1864.0	348.1	51.8	1904.0	148.9	51.8	1944.0	8909.3	54.8
1824.5	9820.8	53.8	1864.5	369.5	51.8	1904.5	147.5	51.8	1944.5	8950.0	54.8
1825.0	9822.1	53.8	1865.0	379.2	51.8	1905.0	146.1	51.8	1945.0	8990.6	54.8
1825.5	9822.1	53.8	1865.5	393.6	51.8	1905.5	145.4	51.8	1945.5	9032.0	54.8

TEST REFERENCE#: 300926AI FILE STARTS: 22:32:30 on February 5, 1990

LEGEND: ET=Elaped time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1946.0	9067.2	54.8	1986.0	9769.1	54.8	2026.0	9798.7	54.8	2066.0	15051.1	53.8
1946.5	9103.7	54.8	1986.5	9769.7	54.8	2026.5	9798.7	54.8	2066.5	15050.4	53.8
1947.0	9137.5	54.8	1987.0	9770.4	54.8	2027.0	9799.4	54.8	2067.0	15051.1	53.8
1947.5	9169.2	54.8	1987.5	9770.4	54.8	2027.5	9798.7	54.8	2067.5	15050.4	53.8
1948.0	9202.3	54.8	1988.0	9771.8	54.8	2028.0	9798.7	54.8	2068.0	15050.4	53.8
1948.5	9232.0	54.9	1988.5	9771.8	54.8	2028.5	9799.4	54.9	2068.5	15050.4	53.8
1949.0	9260.2	54.9	1989.0	9772.5	54.8	2029.0	9800.1	54.9	2069.0	15050.4	53.8
1949.5	9289.9	55.0	1989.5	9772.5	54.8	2029.5	9800.1	55.0	2069.5	15051.1	53.8
1950.0	9314.7	55.1	1990.0	9775.3	54.8	2030.0	9800.1	55.1			
1950.5	9338.8	55.1	1990.5	9775.3	54.8	2030.5	9847.0	55.1			
1951.0	9363.6	55.2	1991.0	9775.9	54.8	2031.0	12233.2	55.2			
1951.5	9385.7	55.3	1991.5	9775.3	54.8	2031.5	14720.8	55.3			
1952.0	9407.8	55.3	1992.0	9777.3	54.8	2032.0	14662.9	55.3			
1952.5	9428.5	55.3	1992.5	9778.0	54.8	2032.5	15050.4	55.4			
1953.0	9447.8	55.3	1993.0	9777.3	54.8	2033.0	15210.3	55.4			
1953.5	9467.1	55.3	1993.5	9778.0	54.8	2033.5	15070.4	55.5			
1954.0	9485.0	55.3	1994.0	9778.7	54.8	2034.0	15026.9	55.6			
1954.5	9500.2	55.3	1994.5	9780.1	54.8	2034.5	15027.6	55.6			
1955.0	9516.7	55.3	1995.0	9779.4	54.8	2035.0	15007.0	55.7			
1955.5	9531.9	55.3	1995.5	9779.4	54.8	2035.5	15035.9	55.8			
1956.0	9545.7	55.3	1996.0	9779.4	54.8	2036.0	14913.9	55.8			
1956.5	9558.8	55.3	1996.5	9781.5	54.8	2036.5	15035.9	55.8			
1957.0	9571.9	55.3	1997.0	9780.1	54.8	2037.0	14819.4	55.7			
1957.5	9583.6	55.3	1997.5	9782.2	54.8	2037.5	14804.9	55.6			
1958.0	9595.3	55.3	1998.0	9782.2	54.8	2038.0	14691.9	55.6			
1958.5	9605.0	55.3	1998.5	9782.8	54.8	2038.5	14992.5	55.5			
1959.0	9616.0	55.3	1999.0	9782.8	54.8	2039.0	14862.2	55.4			
1959.5	9625.6	55.3	1999.5	9782.8	54.8	2039.5	14888.4	55.4			
1960.0	9633.2	55.3	2000.0	9782.8	54.8	2040.0	15004.2	55.3			
1960.5	9642.9	55.3	2000.5	9783.5	54.8	2040.5	15002.8	55.3			
1961.0	9648.4	55.3	2001.0	9784.2	54.8	2041.0	15001.4	55.2			
1961.5	9657.4	55.3	2001.5	9784.2	54.8	2041.5	15000.1	55.1			
1962.0	9664.3	55.3	2002.0	9784.9	54.8	2042.0	14999.4	55.1			
1962.5	9669.8	55.3	2002.5	9787.0	54.8	2042.5	15259.3	55.0			
1963.0	9676.7	55.3	2003.0	9784.9	54.8	2043.0	15046.3	54.9			
1963.5	9680.8	55.3	2003.5	9786.3	54.8	2043.5	15024.9	54.9			
1964.0	9684.9	55.3	2004.0	9787.0	54.8	2044.0	15012.5	54.8			
1964.5	9691.8	55.3	2004.5	9787.0	54.8	2044.5	15009.0	54.8			
1965.0	9695.3	55.3	2005.0	9787.0	54.8	2045.0	15004.9	54.7			
1965.5	9701.5	55.3	2005.5	9787.7	54.8	2045.5	15003.5	54.6			
1966.0	9704.9	55.3	2006.0	9787.0	54.8	2046.0	15002.8	54.6			
1966.5	9708.4	55.3	2006.5	9787.7	54.8	2046.5	15004.9	54.5			
1967.0	9712.5	55.3	2007.0	9789.0	54.8	2047.0	15004.2	54.4			
1967.5	9713.9	55.3	2007.5	9789.7	54.8	2047.5	15005.6	54.4			
1968.0	9719.4	55.3	2008.0	9790.4	54.8	2048.0	15002.8	54.3			
1968.5	9721.5	55.3	2008.5	9790.4	54.8	2048.5	15004.9	54.3			
1969.0	9724.9	55.3	2009.0	9791.1	54.8	2049.0	15004.9	54.3			
1969.5	9727.7	55.3	2009.5	9791.1	54.8	2049.5	15007.0	54.3			
1970.0	9729.8	55.3	2010.0	9791.1	54.8	2050.0	15008.3	54.3			
1970.5	9729.8	55.3	2010.5	9791.8	54.8	2050.5	15009.7	54.3			
1971.0	9733.9	55.3	2011.0	9791.8	54.8	2051.0	15011.8	54.3			
1971.5	9735.3	55.3	2011.5	9791.8	54.8	2051.5	15013.2	54.3			
1972.0	9736.6	55.3	2012.0	9792.5	54.8	2052.0	15013.8	54.3			
1972.5	9739.4	55.3	2012.5	9792.5	54.8	2052.5	15015.9	54.3			
1973.0	9741.5	55.3	2013.0	9792.5	54.8	2053.0	15016.6	54.3			
1973.5	9742.9	55.3	2013.5	9791.8	54.8	2053.5	15018.7	54.3			
1974.0	9744.9	55.3	2014.0	9791.8	54.8	2054.0	15020.1	54.3			
1974.5	9744.9	55.3	2014.5	9793.2	54.8	2054.5	15021.4	54.3			
1975.0	9747.7	55.3	2015.0	9793.2	54.8	2055.0	15022.1	54.3			
1975.5	9749.1	55.3	2015.5	9793.2	54.8	2055.5	15023.5	54.3			
1976.0	9750.4	55.3	2016.0	9793.2	54.8	2056.0	15023.5	54.3			
1976.5	9751.8	55.3	2016.5	9793.2	54.8	2056.5	15026.3	54.3			
1977.0	9753.2	55.3	2017.0	9793.9	54.8	2057.0	15026.3	54.3			
1977.5	9753.9	55.3	2017.5	9794.6	54.8	2057.5	15026.3	54.3			
1978.0	9754.6	55.3	2018.0	9794.6	54.8	2058.0	15027.6	54.3			
1978.5	9756.0	55.3	2018.5	9794.6	54.8	2058.5	15026.9	54.3			
1979.0	9756.6	55.3	2019.0	9794.6	54.8	2059.0	15027.6	54.3			
1979.5	9756.6	55.3	2019.5	9794.6	54.8	2059.5	15027.6	54.3			
1980.0	9758.7	55.3	2020.0	9795.9	54.8	2060.0	15028.3	54.3			
1980.5	9760.1	55.3	2020.5	9795.9	54.8	2060.5	15029.0	54.2			
1981.0	9761.5	55.2	2021.0	9795.9	54.8	2061.0	15028.3	54.2			
1981.5	9761.5	55.1	2021.5	9797.3	54.8	2061.5	15030.4	54.1			
1982.0	9764.2	55.1	2022.0	9797.3	54.8	2062.0	15035.2	54.1			
1982.5	9764.2	55.0	2022.5	9797.3	54.8	2062.5	15044.9	54.0			
1983.0	9765.6	54.9	2023.0	9798.0	54.8	2063.0	15048.3	53.9			
1983.5	9765.6	54.9	2023.5	9798.0	54.8	2063.5	15049.7	53.9			
1984.0	9767.7	54.8	2024.0	9798.0	54.8	2064.0	15049.7	53.8			
1984.5	9767.7	54.8	2024.5	9798.0	54.8	2064.5	15051.1	53.8			
1985.0	9768.4	54.8	2025.0	9797.3	54.8	2065.0	15050.4	53.8			
1985.5	9769.1	54.8	2025.5	9798.7	54.8	2065.5	15049.7	53.8			

Flowrate Summary and Sequence of Events

LABEL POINT #	TIME of DAY (HH:MM:SS)	EXPLANATION	DURATION (min)	BHP (kPa)	BHT (Deg C)	SURF PRESS (kPa)	FLOW RATE (m3/d)
1	17:53:00	HYDROSTATIC		182.0	49.5		
2	19:47:00	REFERENCE TIME	114.0	761.8	51.5		
3	19:48:00	START FLOW	1.0	640.5	51.5		
4	19:59:00	START SHUT-IN	11.0	938.3	51.5		
5	21:04:00	END SHUT-IN	65.0	939.0	51.0		
6	21:06:00	START FLOW	2.0	1027.3	51.0		
7	23:15:00	START SHUT-IN	129.0	1380.3	51.5		
8	3:39:30	END SHUT-IN	264.5	566.7	51.3		
9	3:42:30	START FLOW	3.0	830.8	50.9		
10	4:44:00	START SHUT-IN	61.5	133.7	51.2		
11	6:47:30	END SHUT-IN	123.5	117.2	51.6		
12	9:28:30	HYDROSTATIC	161.0	115.1	45.2		

Sample Data

Sample #/Source	Description	RESISTIVITY ohm @ C	Salinity PPM(NaCl)
1-MUD TANKS	DRILLING MUD FILTRATE	5.08 @ 14 3.51 @ 14	1300 1800
2-TOP OF RECOVERY	MUD FILTRATE	2.15 @ 16 1.90 @ 16	3200 3500
3-			
4-DOWNHOLE SAMPLER'S	#133142, #133141 TO BE DRAINED AT LAB		
5-GAS BOMB	LOW PRESSURE GAS #7002-AGAT		

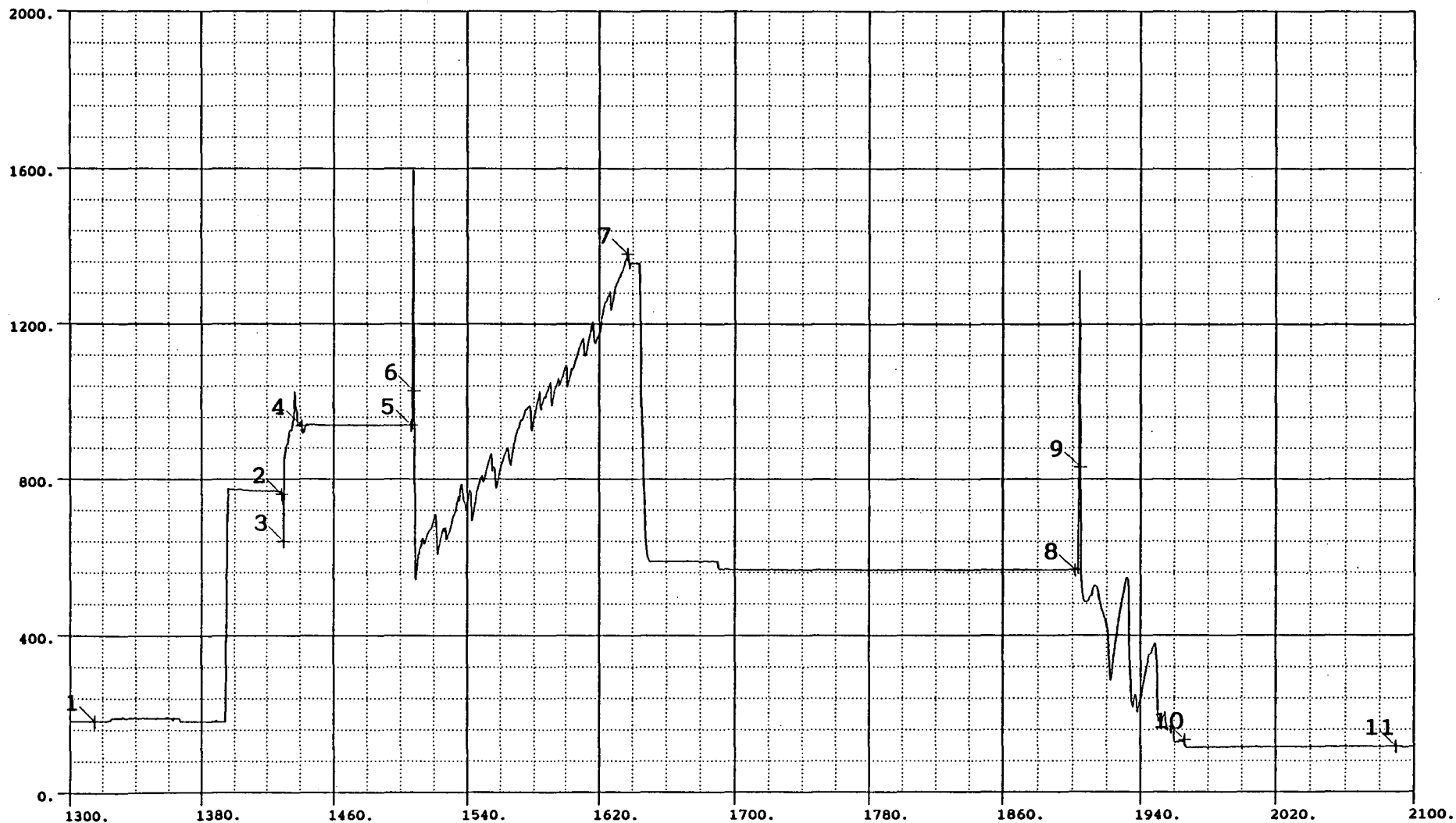
Samples Sent To: CORE LABORATORIES

BOTTOMHOLE PRESSURE PLOT

FIELD REPORT NO. : 300926AR
INSTRUMENT NO. : SM-50094
DEPTH : 1355.52 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : INSIDE-RECOVERY

COMPANY : PETRO CANADA INCORPORATED
WELL : PCI SWEDE E-02
DST# : ONE

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]

Y-AXIS = BOTTOMHOLE PRESSURE [KPA (ABS)]

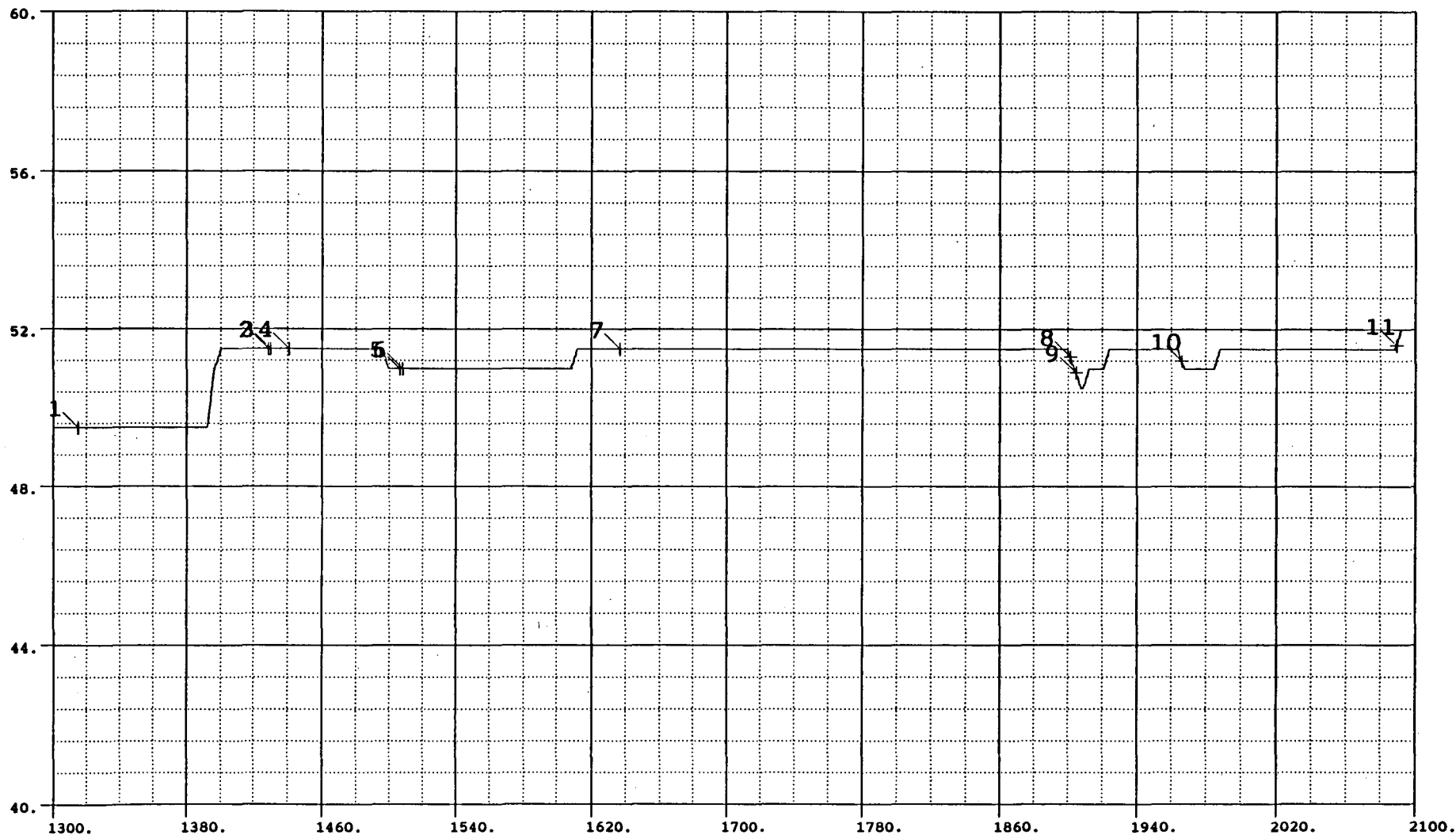
X-AXIS

BOTTOMHOLE TEMPERATURE PLOT

FIELD REPORT NO. : 300926AR
INSTRUMENT NO. : SM-50094
DEPTH : 1355.52 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : INSIDE-RECOVERY

COMPANY : PETRO CANADA INCORPORATED
WELL : PCI SWEDE E-02
DST# : ONE

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]

Y-AXIS = BOTTOMHOLE TEMPERATURE [CEL]

X-AXIS

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
236.0	89.6	2.5	276.0	94.4	17.3	316.0	162.0	20.2	356.0	171.6	20.7
236.5	89.6	2.7	276.5	95.8	17.3	316.5	162.0	20.3	356.5	172.3	20.7
237.0	89.6	2.9	277.0	95.1	17.4	317.0	163.4	20.4	357.0	171.6	20.7
237.5	89.6	3.2	277.5	95.1	17.5	317.5	163.4	20.4	357.5	172.3	20.7
238.0	89.6	3.4	278.0	93.7	17.5	318.0	163.4	20.5	358.0	171.6	20.7
238.5	89.6	3.7	278.5	94.4	17.6	318.5	162.0	20.5	358.5	172.3	20.7
239.0	89.6	3.9	279.0	93.7	17.6	319.0	163.4	20.6	359.0	171.6	20.7
239.5	89.6	4.2	279.5	95.8	17.7	319.5	164.0	20.7	359.5	172.3	20.7
240.0	89.6	4.4	280.0	93.0	17.8	320.0	164.0	20.7	360.0	172.3	20.7
240.5	97.9	4.7	280.5	94.4	17.8	320.5	163.4	20.7	360.5	172.3	20.7
241.0	97.2	4.9	281.0	93.0	17.9	321.0	164.0	20.7	361.0	171.6	20.7
241.5	97.9	5.2	281.5	95.1	17.9	321.5	163.4	20.7	361.5	172.3	20.7
242.0	95.8	5.4	282.0	93.7	18.0	322.0	163.4	20.7	362.0	172.3	20.7
242.5	97.9	5.7	282.5	93.7	18.1	322.5	164.0	20.7	362.5	171.6	20.7
243.0	95.1	5.9	283.0	95.1	18.1	323.0	164.0	20.7	363.0	171.6	20.7
243.5	95.1	6.2	283.5	93.0	18.2	323.5	164.0	20.7	363.5	171.6	20.7
244.0	95.8	6.4	284.0	94.4	18.3	324.0	163.4	20.7	364.0	171.6	20.7
244.5	94.4	6.6	284.5	93.7	18.3	324.5	164.7	20.7	364.5	171.6	20.7
245.0	95.1	6.9	285.0	94.4	18.4	325.0	164.7	20.7	365.0	171.6	20.7
245.5	89.6	7.1	285.5	94.4	18.4	325.5	165.4	20.7	365.5	171.6	20.7
246.0	94.4	7.4	286.0	93.0	18.5	326.0	166.1	20.7	366.0	171.6	20.7
246.5	94.4	7.6	286.5	93.7	18.6	326.5	166.1	20.7	366.5	171.6	20.7
247.0	89.6	7.9	287.0	94.4	18.6	327.0	165.4	20.7	367.0	171.6	20.7
247.5	94.4	8.1	287.5	93.0	18.7	327.5	165.4	20.7	367.5	171.6	20.7
248.0	89.6	8.4	288.0	94.4	18.7	328.0	166.8	20.7	368.0	172.3	20.7
248.5	93.7	8.6	288.5	93.7	18.8	328.5	167.5	20.7	368.5	171.6	20.7
249.0	89.6	8.7	289.0	93.7	18.9	329.0	166.8	20.7	369.0	170.9	20.7
249.5	94.4	8.9	289.5	93.0	18.9	329.5	168.9	20.7	369.5	171.6	20.7
250.0	95.1	9.1	290.0	93.7	19.0	330.0	166.8	20.7	370.0	171.6	20.7
250.5	94.4	9.3	290.5	94.4	19.1	330.5	167.5	20.7	370.5	171.6	20.7
251.0	94.4	9.5	291.0	93.0	19.1	331.0	167.5	20.7	371.0	171.6	20.7
251.5	94.4	9.7	291.5	93.0	19.2	331.5	166.8	20.7	371.5	171.6	20.7
252.0	95.1	9.9	292.0	94.4	19.2	332.0	169.6	20.7	372.0	171.6	20.7
252.5	94.4	10.0	292.5	93.0	19.3	332.5	169.6	20.7	372.5	172.3	20.7
253.0	95.1	10.2	293.0	94.4	19.4	333.0	170.2	20.7	373.0	171.6	20.7
253.5	95.1	10.4	293.5	94.4	19.4	333.5	170.2	20.7	373.5	172.3	20.7
254.0	94.4	10.6	294.0	94.4	19.5	334.0	170.2	20.7	374.0	172.3	20.7
254.5	93.0	10.8	294.5	94.4	19.6	334.5	170.2	20.7	374.5	171.6	20.7
255.0	93.7	11.0	295.0	94.4	19.6	335.0	170.9	20.7	375.0	171.6	20.7
255.5	93.7	11.2	295.5	93.7	19.7	335.5	170.9	20.7	375.5	171.6	20.7
256.0	94.4	11.3	296.0	94.4	19.7	336.0	170.9	20.7	376.0	171.6	20.7
256.5	95.1	11.5	296.5	93.0	19.7	336.5	170.9	20.7	376.5	172.3	20.7
257.0	95.1	11.7	297.0	93.0	19.7	337.0	171.6	20.7	377.0	171.6	20.7
257.5	96.5	11.9	297.5	94.4	19.7	337.5	170.9	20.7	377.5	172.3	20.7
258.0	96.5	12.1	298.0	94.4	19.7	338.0	170.9	20.7	378.0	171.6	20.7
258.5	96.5	12.3	298.5	94.4	19.7	338.5	171.6	20.7	378.5	172.3	20.7
259.0	96.5	12.5	299.0	95.1	19.7	339.0	170.9	20.7	379.0	172.3	20.7
259.5	95.8	12.6	299.5	93.7	19.7	339.5	171.6	20.7	379.5	171.6	20.7
260.0	94.4	12.8	300.0	93.7	19.7	340.0	171.6	20.7	380.0	172.3	20.7
260.5	96.5	13.0	300.5	94.4	19.7	340.5	170.9	20.7	380.5	172.3	20.7
261.0	96.5	13.2	301.0	93.0	19.7	341.0	171.6	20.7	381.0	171.6	20.7
261.5	97.2	13.4	301.5	94.4	19.7	341.5	171.6	20.7	381.5	171.6	20.7
262.0	96.5	13.6	302.0	93.7	19.7	342.0	171.6	20.7	382.0	171.6	20.7
262.5	96.5	13.7	302.5	95.1	19.7	342.5	171.6	20.7	382.5	171.6	20.7
263.0	95.1	13.9	303.0	94.4	19.7	343.0	171.6	20.7	383.0	172.3	20.7
263.5	93.7	14.1	303.5	93.7	19.7	343.5	171.6	20.7	383.5	171.6	20.7
264.0	94.4	14.3	304.0	93.7	19.7	344.0	172.3	20.7	384.0	171.6	20.7
264.5	93.7	14.4	304.5	93.7	19.8	344.5	172.3	20.7	384.5	171.6	20.7
265.0	93.7	14.6	305.0	93.7	19.9	345.0	171.6	20.7	385.0	171.6	20.7
265.5	93.7	14.7	305.5	97.2	19.9	345.5	172.3	20.7	385.5	172.3	20.7
266.0	94.4	14.8	306.0	98.5	20.0	346.0	172.3	20.7	386.0	172.3	20.7
266.5	93.7	14.9	306.5	110.3	20.0	346.5	171.6	20.7	386.5	171.6	20.7
267.0	94.4	15.0	307.0	115.8	20.1	347.0	172.3	20.7	387.0	171.6	20.7
267.5	94.4	15.2	307.5	117.2	20.2	347.5	172.3	20.7	387.5	172.3	20.7
268.0	92.3	15.3	308.0	117.8	20.2	348.0	172.3	20.7	388.0	172.3	20.7
268.5	94.4	15.4	308.5	118.5	20.2	348.5	173.0	20.7	388.5	171.6	20.7
269.0	94.4	15.5	309.0	117.8	20.2	349.0	172.3	20.7	389.0	171.6	20.7
269.5	93.7	15.7	309.5	120.6	20.2	349.5	172.3	20.7	389.5	171.6	20.7
270.0	93.7	15.8	310.0	123.4	20.2	350.0	172.3	20.7	390.0	171.6	20.7
270.5	94.4	15.9	310.5	136.5	20.2	350.5	172.3	20.7	390.5	173.0	20.7
271.0	93.7	16.0	311.0	147.5	20.2	351.0	172.3	20.7	391.0	171.6	20.7
271.5	95.1	16.2	311.5	157.1	20.2	351.5	172.3	20.7	391.5	171.6	20.7
272.0	94.4	16.3	312.0	159.2	20.2	352.0	173.0	20.7	392.0	172.3	20.7
272.5	93.7	16.4	312.5	159.2	20.2	352.5	172.3	20.7	392.5	171.6	20.7
273.0	95.1	16.5	313.0	159.2	20.2	353.0	172.3	20.7	393.0	171.6	20.7
273.5	95.1	16.6	313.5	160.6	20.2	353.5	173.0	20.7	393.5	172.3	20.7
274.0	95.1	16.8	314.0	160.6	20.2	354.0	172.3	20.7	394.0	171.6	20.7
274.5	95.1	16.9	314.5	161.3	20.2	354.5	172.3	20.7	394.5	172.3	20.7
275.0	94.4	17.0	315.0	161.3	20.2	355.0	171.6	20.7	395.0	172.3	20.7
275.5	95.1	17.1	315.5	161.3	20.2	355.5	171.6	20.7	395.5	172.3	20.7

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
396.0	171.6	20.7	436.0	172.3	20.7	476.0	171.6	21.2	516.0	172.3	23.2
396.5	172.3	20.7	436.5	170.9	20.7	476.5	172.3	21.2	516.5	172.3	23.3
397.0	172.3	20.7	437.0	172.3	20.7	477.0	172.3	21.2	517.0	171.6	23.3
397.5	172.3	20.7	437.5	171.6	20.7	477.5	175.1	21.2	517.5	170.2	23.4
398.0	171.6	20.7	438.0	172.3	20.7	478.0	172.3	21.2	518.0	172.3	23.4
398.5	172.3	20.7	438.5	172.3	20.7	478.5	172.3	21.2	518.5	172.3	23.5
399.0	171.6	20.7	439.0	172.3	20.7	479.0	172.3	21.2	519.0	173.0	23.6
399.5	172.3	20.7	439.5	172.3	20.7	479.5	172.3	21.2	519.5	172.3	23.6
400.0	172.3	20.7	440.0	172.3	20.7	480.0	171.6	21.2	520.0	171.6	23.7
400.5	171.6	20.7	440.5	172.3	20.7	480.5	173.0	21.3	520.5	172.3	23.7
401.0	172.3	20.7	441.0	172.3	20.7	481.0	172.3	21.3	521.0	172.3	23.7
401.5	171.6	20.7	441.5	172.3	20.7	481.5	172.3	21.4	521.5	172.3	23.7
402.0	171.6	20.7	442.0	170.9	20.7	482.0	173.0	21.5	522.0	172.3	23.7
402.5	172.3	20.7	442.5	172.3	20.7	482.5	172.3	21.5	522.5	172.3	23.7
403.0	172.3	20.7	443.0	172.3	20.7	483.0	170.9	21.6	523.0	173.0	23.7
403.5	172.3	20.7	443.5	172.3	20.7	483.5	172.3	21.6	523.5	171.6	23.7
404.0	172.3	20.7	444.0	172.3	20.7	484.0	172.3	21.7	524.0	172.3	23.7
404.5	172.3	20.7	444.5	172.3	20.7	484.5	173.0	21.7	524.5	172.3	23.7
405.0	172.3	20.7	445.0	171.6	20.7	485.0	173.0	21.7	525.0	172.3	23.8
405.5	171.6	20.7	445.5	172.3	20.7	485.5	173.0	21.7	525.5	171.6	23.9
406.0	172.3	20.7	446.0	172.3	20.7	486.0	173.0	21.7	526.0	171.6	23.9
406.5	171.6	20.7	446.5	173.0	20.7	486.5	173.7	21.7	526.5	172.3	24.0
407.0	172.3	20.7	447.0	172.3	20.7	487.0	173.0	21.7	527.0	172.3	24.1
407.5	171.6	20.7	447.5	172.3	20.7	487.5	173.0	21.7	527.5	172.3	24.1
408.0	171.6	20.7	448.0	172.3	20.7	488.0	172.3	21.7	528.0	173.7	24.2
408.5	172.3	20.7	448.5	171.6	20.7	488.5	173.0	21.7	528.5	173.0	24.2
409.0	171.6	20.7	449.0	173.0	20.7	489.0	172.3	21.7	529.0	172.3	24.3
409.5	172.3	20.7	449.5	173.0	20.7	489.5	171.6	21.7	529.5	172.3	24.4
410.0	172.3	20.7	450.0	171.6	20.7	490.0	172.3	21.7	530.0	173.0	24.4
410.5	172.3	20.7	450.5	172.3	20.7	490.5	172.3	21.7	530.5	171.6	24.5
411.0	172.3	20.7	451.0	171.6	20.7	491.0	173.0	21.7	531.0	171.6	24.6
411.5	172.3	20.7	451.5	166.8	20.7	491.5	173.0	21.7	531.5	170.9	24.6
412.0	172.3	20.7	452.0	172.3	20.7	492.0	178.5	21.7	532.0	171.6	24.7
412.5	172.3	20.7	452.5	172.3	20.7	492.5	173.0	21.8	532.5	171.6	24.7
413.0	171.6	20.7	453.0	171.6	20.7	493.0	173.0	21.8	533.0	171.6	24.7
413.5	173.0	20.7	453.5	173.0	20.7	493.5	172.3	21.9	533.5	171.6	24.7
414.0	172.3	20.7	454.0	172.3	20.7	494.0	172.3	22.0	534.0	171.6	24.7
414.5	173.0	20.7	454.5	171.6	20.7	494.5	173.0	22.0	534.5	171.6	24.7
415.0	171.6	20.7	455.0	172.3	20.7	495.0	172.3	22.1	535.0	171.6	24.7
415.5	172.3	20.7	455.5	172.3	20.7	495.5	173.0	22.1	535.5	171.6	24.7
416.0	171.6	20.7	456.0	172.3	20.7	496.0	171.6	22.2	536.0	170.9	24.7
416.5	172.3	20.7	456.5	172.3	20.7	496.5	173.0	22.2	536.5	171.6	24.7
417.0	173.0	20.7	457.0	172.3	20.7	497.0	173.7	22.2	537.0	172.3	24.8
417.5	172.3	20.7	457.5	172.3	20.7	497.5	173.7	22.2	537.5	171.6	24.9
418.0	172.3	20.7	458.0	172.3	20.7	498.0	171.6	22.2	538.0	172.3	24.9
418.5	172.3	20.7	458.5	172.3	20.7	498.5	173.0	22.2	538.5	171.6	25.0
419.0	172.3	20.7	459.0	172.3	20.7	499.0	171.6	22.2	539.0	171.6	25.0
419.5	172.3	20.7	459.5	172.3	20.7	499.5	175.1	22.2	539.5	170.9	25.1
420.0	172.3	20.7	460.0	172.3	20.7	500.0	171.6	22.2	540.0	171.6	25.2
420.5	171.6	20.7	460.5	172.3	20.7	500.5	173.0	22.2	540.5	171.6	25.2
421.0	172.3	20.7	461.0	172.3	20.7	501.0	171.6	22.2	541.0	171.6	25.2
421.5	172.3	20.7	461.5	172.3	20.7	501.5	171.6	22.2	541.5	171.6	25.2
422.0	171.6	20.7	462.0	171.6	20.7	502.0	173.0	22.2	542.0	172.3	25.2
422.5	172.3	20.7	462.5	172.3	20.7	502.5	173.0	22.2	542.5	171.6	25.2
423.0	173.0	20.7	463.0	171.6	20.7	503.0	174.4	22.2	543.0	172.3	25.2
423.5	172.3	20.7	463.5	171.6	20.7	503.5	173.0	22.2	543.5	172.3	25.2
424.0	171.6	20.7	464.0	172.3	20.7	504.0	173.7	22.2	544.0	169.6	25.2
424.5	172.3	20.7	464.5	171.6	20.8	504.5	173.0	22.3	544.5	172.3	25.2
425.0	171.6	20.7	465.0	172.3	20.8	505.0	173.0	22.3	545.0	172.3	25.3
425.5	172.3	20.7	465.5	171.6	20.9	505.5	173.7	22.4	545.5	171.6	25.4
426.0	172.3	20.7	466.0	171.6	21.0	506.0	172.3	22.5	546.0	172.3	25.4
426.5	172.3	20.7	466.5	172.3	21.0	506.5	171.6	22.5	546.5	172.3	25.5
427.0	172.3	20.7	467.0	172.3	21.1	507.0	172.3	22.6	547.0	171.6	25.5
427.5	173.0	20.7	467.5	171.6	21.2	507.5	172.3	22.6	547.5	171.6	25.6
428.0	171.6	20.7	468.0	172.3	21.2	508.0	172.3	22.7	548.0	172.3	25.7
428.5	171.6	20.7	468.5	172.3	21.2	508.5	172.3	22.7	548.5	172.3	25.7
429.0	172.3	20.7	469.0	172.3	21.2	509.0	172.3	22.7	549.0	173.0	25.7
429.5	172.3	20.7	469.5	172.3	21.2	509.5	172.3	22.7	549.5	173.7	25.7
430.0	171.6	20.7	470.0	172.3	21.2	510.0	172.3	22.7	550.0	172.3	25.7
430.5	171.6	20.7	470.5	172.3	21.2	510.5	172.3	22.7	550.5	172.3	25.7
431.0	172.3	20.7	471.0	172.3	21.2	511.0	172.3	22.7	551.0	172.3	25.7
431.5	172.3	20.7	471.5	172.3	21.2	511.5	171.6	22.7	551.5	171.6	25.7
432.0	172.3	20.7	472.0	172.3	21.2	512.0	171.6	22.7	552.0	172.3	25.7
432.5	172.3	20.7	472.5	172.3	21.2	512.5	172.3	22.8	552.5	173.0	25.7
433.0	171.6	20.7	473.0	172.3	21.2	513.0	172.3	22.8	553.0	171.6	25.8
433.5	172.3	20.7	473.5	172.3	21.2	513.5	173.0	22.9	553.5	172.3	25.8
434.0	172.3	20.7	474.0	172.3	21.2	514.0	172.3	22.9	554.0	172.3	25.9
434.5	172.3	20.7	474.5	171.6	21.2	514.5	170.9	23.0	554.5	173.0	26.0
435.0	172.3	20.7	475.0	172.3	21.2	515.0	171.6	23.1	555.0	173.0	26.0
435.5	172.3	20.7	475.5	172.3	21.2	515.5	172.3	23.1	555.5	179.9	26.1

ET	P	T	ET	P	T	ET	P	T	ET	P	T
556.0	172.3	26.2	596.0	173.0	27.6	636.0	173.7	28.6	676.0	175.8	30.6
556.5	172.3	26.2	596.5	173.0	27.7	636.5	175.1	28.7	676.5	177.1	30.6
557.0	172.3	26.2	597.0	173.7	27.8	637.0	173.7	28.7	677.0	173.7	30.6
557.5	173.0	26.2	597.5	173.7	27.8	637.5	174.4	28.8	677.5	175.1	30.6
558.0	170.9	26.2	598.0	173.0	27.9	638.0	174.4	28.9	678.0	175.8	30.6
558.5	173.0	26.2	598.5	173.0	27.9	638.5	173.7	28.9	678.5	175.1	30.6
559.0	172.3	26.2	599.0	173.7	28.0	639.0	174.4	29.0	679.0	175.1	30.6
559.5	173.0	26.2	599.5	173.7	28.1	639.5	173.7	29.1	679.5	171.6	30.6
560.0	172.3	26.2	600.0	173.7	28.1	640.0	174.4	29.1	680.0	175.1	30.6
560.5	173.0	26.2	600.5	174.4	28.1	640.5	168.9	29.1	680.5	177.1	30.6
561.0	173.7	26.2	601.0	173.7	28.1	641.0	174.4	29.1	681.0	175.1	30.6
561.5	173.0	26.2	601.5	173.7	28.1	641.5	175.1	29.1	681.5	175.1	30.6
562.0	173.0	26.2	602.0	174.4	28.1	642.0	174.4	29.1	682.0	175.8	30.6
562.5	173.7	26.2	602.5	173.7	28.1	642.5	175.1	29.1	682.5	175.8	30.6
563.0	172.3	26.2	603.0	173.7	28.1	643.0	176.5	29.1	683.0	175.8	30.6
563.5	173.0	26.2	603.5	173.7	28.1	643.5	176.5	29.1	683.5	177.1	30.6
564.0	172.3	26.2	604.0	174.4	28.1	644.0	175.1	29.1	684.0	175.1	30.6
564.5	172.3	26.2	604.5	173.0	28.1	644.5	175.1	29.1	684.5	175.1	30.7
565.0	173.0	26.3	605.0	173.7	28.1	645.0	175.1	29.1	685.0	175.8	30.7
565.5	173.7	26.3	605.5	173.0	28.1	645.5	175.8	29.1	685.5	177.1	30.8
566.0	173.0	26.4	606.0	173.7	28.1	646.0	175.8	29.1	686.0	175.8	30.8
566.5	172.3	26.5	606.5	173.0	28.1	646.5	175.1	29.1	686.5	175.8	30.9
567.0	173.7	26.5	607.0	173.0	28.1	647.0	175.8	29.1	687.0	177.8	31.0
567.5	173.0	26.6	607.5	173.0	28.1	647.5	172.3	29.1	687.5	176.5	31.0
568.0	173.7	26.7	608.0	173.7	28.1	648.0	175.8	29.1	688.0	177.1	31.1
568.5	173.7	26.7	608.5	174.4	28.1	648.5	175.1	29.2	688.5	175.8	31.1
569.0	173.0	26.7	609.0	173.7	28.1	649.0	175.1	29.2	689.0	176.5	31.1
569.5	173.0	26.7	609.5	173.0	28.1	649.5	175.1	29.3	689.5	176.5	31.1
570.0	173.7	26.7	610.0	173.7	28.1	650.0	175.1	29.4	690.0	176.5	31.1
570.5	173.7	26.7	610.5	174.4	28.1	650.5	175.1	29.4	690.5	178.5	31.1
571.0	173.0	26.7	611.0	173.0	28.1	651.0	174.4	29.5	691.0	176.5	31.1
571.5	173.7	26.7	611.5	173.7	28.1	651.5	175.1	29.6	691.5	177.1	31.1
572.0	173.0	26.7	612.0	173.7	28.1	652.0	175.8	29.6	692.0	176.5	31.1
572.5	173.7	26.7	612.5	173.7	28.1	652.5	175.8	29.6	692.5	176.5	31.1
573.0	170.9	26.8	613.0	173.7	28.1	653.0	175.8	29.6	693.0	177.1	31.1
573.5	173.7	26.8	613.5	173.7	28.1	653.5	175.1	29.6	693.5	175.8	31.1
574.0	174.4	26.9	614.0	174.4	28.1	654.0	175.1	29.6	694.0	178.5	31.1
574.5	173.0	27.0	614.5	173.0	28.1	654.5	175.1	29.6	694.5	177.1	31.1
575.0	173.0	27.0	615.0	173.0	28.1	655.0	176.5	29.6	695.0	177.1	31.1
575.5	173.7	27.1	615.5	173.7	28.1	655.5	174.4	29.6	695.5	176.5	31.1
576.0	173.7	27.1	616.0	173.7	28.1	656.0	175.1	29.6	696.0	176.5	31.1
576.5	174.4	27.1	616.5	173.0	28.2	656.5	171.6	29.6	696.5	176.5	31.1
577.0	173.7	27.1	617.0	172.3	28.3	657.0	175.1	29.6	697.0	176.5	31.1
577.5	174.4	27.1	617.5	173.7	28.3	657.5	175.8	29.6	697.5	176.5	31.1
578.0	174.4	27.1	618.0	174.4	28.4	658.0	175.8	29.6	698.0	176.5	31.1
578.5	173.7	27.1	618.5	173.7	28.4	658.5	176.5	29.6	698.5	175.8	31.1
579.0	174.4	27.1	619.0	174.4	28.5	659.0	175.1	29.6	699.0	175.8	31.1
579.5	173.7	27.1	619.5	174.4	28.6	659.5	177.8	29.6	699.5	175.8	31.1
580.0	172.3	27.1	620.0	174.4	28.6	660.0	176.5	29.6	700.0	176.5	31.1
580.5	174.4	27.1	620.5	173.7	28.6	660.5	176.5	29.7	700.5	175.8	31.1
581.0	173.7	27.1	621.0	173.7	28.6	661.0	176.5	29.7	701.0	175.8	31.1
581.5	173.7	27.1	621.5	173.7	28.6	661.5	174.4	29.8	701.5	177.1	31.1
582.0	174.4	27.1	622.0	173.7	28.6	662.0	175.8	29.9	702.0	177.1	31.1
582.5	175.1	27.1	622.5	170.9	28.6	662.5	175.8	29.9	702.5	177.1	31.1
583.0	173.7	27.1	623.0	173.7	28.6	663.0	175.8	30.0	703.0	177.1	31.1
583.5	173.7	27.1	623.5	174.4	28.6	663.5	175.8	30.0	703.5	176.5	31.1
584.0	173.7	27.1	624.0	173.7	28.6	664.0	173.7	30.1	704.0	175.1	31.1
584.5	173.7	27.2	624.5	173.7	28.6	664.5	175.8	30.1	704.5	176.5	31.2
585.0	173.7	27.3	625.0	173.7	28.6	665.0	174.4	30.1	705.0	177.1	31.2
585.5	173.0	27.3	625.5	174.4	28.6	665.5	175.8	30.1	705.5	176.5	31.3
586.0	172.3	27.4	626.0	173.7	28.6	666.0	175.8	30.1	706.0	175.8	31.3
586.5	173.0	27.5	626.5	174.4	28.6	666.5	175.8	30.1	706.5	175.8	31.4
587.0	174.4	27.5	627.0	174.4	28.6	667.0	176.5	30.1	707.0	176.5	31.5
587.5	175.8	27.6	627.5	173.7	28.6	667.5	176.5	30.1	707.5	176.5	31.5
588.0	173.7	27.6	628.0	174.4	28.6	668.0	179.2	30.1	708.0	177.1	31.6
588.5	173.0	27.6	628.5	174.4	28.6	668.5	174.4	30.1	708.5	175.8	31.6
589.0	173.7	27.6	629.0	175.1	28.6	669.0	175.8	30.1	709.0	176.5	31.6
589.5	173.7	27.6	629.5	175.8	28.6	669.5	175.8	30.1	709.5	175.8	31.6
590.0	175.1	27.6	630.0	173.7	28.6	670.0	175.8	30.1	710.0	175.8	31.6
590.5	173.0	27.6	630.5	175.1	28.6	670.5	175.8	30.1	710.5	176.5	31.6
591.0	173.0	27.6	631.0	174.4	28.6	671.0	176.5	30.1	711.0	176.5	31.6
591.5	173.0	27.6	631.5	175.1	28.6	671.5	174.4	30.1	711.5	176.5	31.6
592.0	173.0	27.6	632.0	175.8	28.6	672.0	176.5	30.1	712.0	175.8	31.6
592.5	175.1	27.6	632.5	174.4	28.6	672.5	175.8	30.2	712.5	176.5	31.6
593.0	173.0	27.6	633.0	175.1	28.6	673.0	176.5	30.2	713.0	176.5	31.6
593.5	173.7	27.6	633.5	173.7	28.6	673.5	175.8	30.3	713.5	175.8	31.6
594.0	173.7	27.6	634.0	175.1	28.6	674.0	174.4	30.4	714.0	176.5	31.6
594.5	175.1	27.6	634.5	173.0	28.6	674.5	174.4	30.4	714.5	176.5	31.6
595.0	173.7	27.6	635.0	173.7	28.6	675.0	177.1	30.5	715.0	176.5	31.6
595.5	173.0	27.6	635.5	174.4	28.6	675.5	176.5	30.5	715.5	176.5	31.6

TEST REFERENCE#: 300926AR

FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
716.0	169.6	31.6	756.0	178.5	32.6	796.0	177.8	34.1	836.0	178.5	35.0
716.5	176.5	31.6	756.5	177.8	32.6	796.5	177.1	34.1	836.5	177.8	35.0
717.0	177.1	31.6	757.0	177.8	32.6	797.0	176.5	34.1	837.0	178.5	35.0
717.5	176.5	31.6	757.5	178.5	32.6	797.5	176.5	34.1	837.5	178.5	35.0
718.0	175.8	31.6	758.0	178.5	32.6	798.0	176.5	34.1	838.0	179.2	35.0
718.5	176.5	31.6	758.5	177.8	32.6	798.5	176.5	34.1	838.5	179.2	35.0
719.0	176.5	31.6	759.0	177.8	32.6	799.0	175.8	34.1	839.0	179.2	35.0
719.5	175.8	31.6	759.5	177.1	32.6	799.5	177.1	34.1	839.5	178.5	35.0
720.0	175.8	31.6	760.0	179.2	32.6	800.0	176.5	34.1	840.0	178.5	35.0
720.5	175.1	31.6	760.5	177.8	32.6	800.5	176.5	34.1	840.5	179.2	35.1
721.0	179.9	31.6	761.0	177.8	32.7	801.0	176.5	34.1	841.0	179.2	35.2
721.5	175.8	31.6	761.5	178.5	32.8	801.5	176.5	34.1	841.5	179.9	35.2
722.0	175.8	31.6	762.0	177.8	32.8	802.0	176.5	34.1	842.0	178.5	35.3
722.5	175.8	31.6	762.5	178.5	32.9	802.5	176.5	34.1	842.5	179.2	35.4
723.0	175.8	31.6	763.0	178.5	32.9	803.0	177.1	34.1	843.0	179.2	35.4
723.5	177.1	31.6	763.5	178.5	33.0	803.5	175.8	34.1	843.5	178.5	35.5
724.0	176.5	31.6	764.0	178.5	33.1	804.0	177.1	34.1	844.0	179.2	35.5
724.5	181.3	31.6	764.5	178.5	33.1	804.5	176.5	34.1	844.5	179.2	35.6
725.0	176.5	31.6	765.0	177.8	33.1	805.0	177.1	34.1	845.0	179.2	35.7
725.5	177.1	31.6	765.5	177.8	33.1	805.5	176.5	34.1	845.5	179.2	35.7
726.0	176.5	31.6	766.0	178.5	33.1	806.0	176.5	34.1	846.0	179.2	35.8
726.5	177.1	31.6	766.5	178.5	33.1	806.5	177.1	34.1	846.5	179.2	35.8
727.0	176.5	31.6	767.0	177.8	33.1	807.0	176.5	34.1	847.0	179.2	35.9
727.5	180.6	31.6	767.5	178.5	33.1	807.5	177.8	34.1	847.5	177.8	36.0
728.0	176.5	31.6	768.0	179.2	33.1	808.0	176.5	34.1	848.0	179.2	36.0
728.5	177.1	31.6	768.5	177.8	33.1	808.5	177.1	34.1	848.5	179.2	36.0
729.0	175.8	31.6	769.0	178.5	33.1	809.0	176.5	34.1	849.0	184.0	36.0
729.5	175.1	31.6	769.5	177.1	33.1	809.5	177.1	34.1	849.5	179.2	36.0
730.0	177.1	31.6	770.0	177.1	33.1	810.0	176.5	34.1	850.0	179.2	36.0
730.5	177.1	31.6	770.5	178.5	33.1	810.5	177.1	34.1	850.5	179.2	36.0
731.0	175.8	31.6	771.0	178.5	33.1	811.0	177.8	34.1	851.0	179.2	36.0
731.5	175.8	31.6	771.5	178.5	33.1	811.5	176.5	34.1	851.5	177.1	36.0
732.0	176.5	31.6	772.0	177.8	33.1	812.0	177.8	34.1	852.0	179.9	36.0
732.5	175.8	31.7	772.5	178.5	33.1	812.5	177.1	34.1	852.5	179.2	36.1
733.0	177.1	31.7	773.0	177.8	33.2	813.0	179.2	34.2	853.0	179.9	36.2
733.5	177.1	31.8	773.5	178.5	33.3	813.5	177.8	34.2	853.5	178.5	36.2
734.0	176.5	31.8	774.0	178.5	33.3	814.0	176.5	34.3	854.0	179.9	36.3
734.5	177.1	31.9	774.5	178.5	33.4	814.5	177.8	34.4	854.5	179.9	36.3
735.0	177.1	32.0	775.0	179.2	33.4	815.0	177.1	34.4	855.0	178.5	36.4
735.5	177.1	32.0	775.5	177.1	33.5	815.5	177.8	34.5	855.5	178.5	36.5
736.0	176.5	32.1	776.0	177.1	33.6	816.0	178.5	34.6	856.0	179.2	36.5
736.5	178.5	32.1	776.5	177.1	33.6	816.5	177.8	34.6	856.5	181.3	36.6
737.0	176.5	32.1	777.0	178.5	33.6	817.0	177.8	34.6	857.0	178.5	36.7
737.5	175.8	32.1	777.5	178.5	33.6	817.5	177.1	34.6	857.5	178.5	36.7
738.0	177.1	32.1	778.0	178.5	33.6	818.0	177.8	34.6	858.0	179.2	36.8
738.5	176.5	32.1	778.5	177.1	33.6	818.5	177.1	34.6	858.5	178.5	36.8
739.0	174.4	32.1	779.0	177.1	33.6	819.0	177.8	34.6	859.0	179.2	36.9
739.5	177.1	32.1	779.5	177.1	33.6	819.5	177.1	34.6	859.5	179.2	37.0
740.0	177.1	32.1	780.0	178.5	33.6	820.0	177.1	34.6	860.0	179.2	37.0
740.5	176.5	32.1	780.5	178.5	33.6	820.5	177.8	34.6	860.5	178.5	37.1
741.0	177.1	32.1	781.0	178.5	33.6	821.0	177.8	34.6	861.0	179.2	37.1
741.5	176.5	32.1	781.5	177.1	33.6	821.5	177.1	34.6	861.5	179.9	37.2
742.0	176.5	32.1	782.0	178.5	33.6	822.0	177.1	34.6	862.0	179.2	37.3
742.5	177.1	32.1	782.5	178.5	33.6	822.5	181.3	34.6	862.5	178.5	37.3
743.0	177.1	32.1	783.0	177.1	33.6	823.0	178.5	34.6	863.0	179.9	37.4
743.5	177.1	32.1	783.5	177.1	33.6	823.5	177.8	34.6	863.5	179.2	37.5
744.0	177.1	32.1	784.0	178.5	33.6	824.0	177.8	34.6	864.0	179.2	37.5
744.5	177.8	32.1	784.5	176.5	33.6	824.5	177.8	34.6	864.5	179.2	37.6
745.0	176.5	32.1	785.0	177.1	33.6	825.0	178.5	34.6	865.0	179.2	37.6
745.5	177.8	32.1	785.5	176.5	33.6	825.5	177.8	34.6	865.5	179.9	37.7
746.0	177.8	32.1	786.0	176.5	33.6	826.0	178.5	34.6	866.0	179.9	37.8
746.5	177.1	32.1	786.5	175.8	33.6	826.5	177.8	34.6	866.5	179.2	37.8
747.0	177.1	32.1	787.0	176.5	33.6	827.0	177.8	34.6	867.0	179.9	37.9
747.5	177.8	32.1	787.5	175.8	33.6	827.5	177.1	34.6	867.5	179.9	37.9
748.0	177.1	32.1	788.0	176.5	33.6	828.0	176.5	34.6	868.0	179.9	38.0
748.5	176.5	32.1	788.5	180.6	33.6	828.5	177.8	34.6	868.5	179.9	38.1
749.0	178.5	32.2	789.0	175.8	33.6	829.0	177.8	34.7	869.0	179.2	38.1
749.5	177.8	32.3	789.5	176.5	33.6	829.5	177.8	34.7	869.5	179.9	38.2
750.0	177.8	32.3	790.0	175.8	33.6	830.0	177.8	34.8	870.0	179.9	38.3
750.5	177.8	32.4	790.5	175.8	33.6	830.5	175.8	34.9	870.5	179.9	38.3
751.0	178.5	32.5	791.0	175.8	33.6	831.0	177.8	34.9	871.0	179.9	38.4
751.5	178.5	32.5	791.5	175.8	33.6	831.5	178.5	35.0	871.5	183.3	38.4
752.0	177.8	32.6	792.0	175.8	33.6	832.0	177.8	35.0	872.0	180.6	38.5
752.5	177.8	32.6	792.5	175.8	33.6	832.5	177.8	35.0	872.5	180.6	38.6
753.0	177.8	32.6	793.0	176.5	33.7	833.0	177.8	35.0	873.0	179.9	38.6
753.5	177.1	32.6	793.5	176.5	33.7	833.5	169.6	35.0	873.5	180.6	38.7
754.0	178.5	32.6	794.0	175.8	33.8	834.0	178.5	35.0	874.0	179.9	38.7
754.5	177.8	32.6	794.5	170.9	33.9	834.5	178.5	35.0	874.5	179.2	38.8
755.0	177.8	32.6	795.0	177.1	33.9	835.0	178.5	35.0	875.0	181.3	38.9
755.5	178.5	32.6	795.5	175.8	34.0	835.5	178.5	35.0	875.5	179.2	38.9

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
876.0	180.6	39.0	916.0	182.0	44.5	956.0	181.3	47.0	996.0	180.6	47.5
876.5	179.9	39.1	916.5	182.7	44.5	956.5	182.7	47.0	996.5	180.6	47.5
877.0	179.9	39.1	917.0	182.0	44.6	957.0	182.0	47.0	997.0	181.3	47.5
877.5	179.9	39.2	917.5	182.7	44.7	957.5	181.3	47.0	997.5	181.3	47.5
878.0	179.9	39.2	918.0	182.7	44.7	958.0	182.0	47.0	998.0	181.3	47.5
878.5	182.0	39.3	918.5	182.7	44.8	958.5	182.0	47.0	998.5	181.3	47.5
879.0	179.9	39.4	919.0	182.7	44.8	959.0	182.0	47.0	999.0	180.6	47.5
879.5	180.6	39.4	919.5	182.7	44.9	959.5	182.0	47.0	999.5	181.3	47.5
880.0	179.9	39.5	920.0	183.3	45.0	960.0	182.7	47.0	1000.0	180.6	47.5
880.5	179.9	39.6	920.5	182.7	45.0	960.5	180.6	47.0	1000.5	180.6	47.5
881.0	184.0	39.6	921.0	182.7	45.1	961.0	182.7	47.0	1001.0	181.3	47.5
881.5	180.6	39.7	921.5	182.0	45.2	961.5	182.0	47.0	1001.5	182.0	47.5
882.0	179.9	39.7	922.0	182.7	45.2	962.0	182.0	47.0	1002.0	181.3	47.5
882.5	181.3	39.8	922.5	182.7	45.3	962.5	182.0	47.0	1002.5	181.3	47.5
883.0	179.9	39.9	923.0	182.0	45.3	963.0	180.6	47.0	1003.0	180.6	47.5
883.5	180.6	39.9	923.5	182.7	45.4	963.5	181.3	47.0	1003.5	181.3	47.5
884.0	180.6	40.0	924.0	183.3	45.5	964.0	182.0	47.0	1004.0	181.3	47.5
884.5	180.6	40.0	924.5	182.7	45.5	964.5	182.0	47.0	1004.5	181.3	47.5
885.0	181.3	40.1	925.0	182.7	45.6	965.0	181.3	47.0	1005.0	181.3	47.5
885.5	181.3	40.2	925.5	182.7	45.7	965.5	182.0	47.0	1005.5	181.3	47.5
886.0	182.0	40.2	926.0	182.7	45.7	966.0	182.0	47.0	1006.0	181.3	47.5
886.5	181.3	40.3	926.5	183.3	45.8	966.5	182.0	47.0	1006.5	181.3	47.5
887.0	180.6	40.4	927.0	182.0	45.8	967.0	181.3	47.0	1007.0	181.3	47.5
887.5	181.3	40.4	927.5	182.0	45.9	967.5	182.0	47.0	1007.5	181.3	47.5
888.0	182.0	40.5	928.0	182.0	46.0	968.0	182.0	47.0	1008.0	181.3	47.5
888.5	179.9	40.5	928.5	182.7	46.0	968.5	182.0	47.0	1008.5	180.6	47.5
889.0	182.7	40.6	929.0	182.0	46.0	969.0	181.3	47.0	1009.0	180.6	47.6
889.5	180.6	40.7	929.5	182.0	46.0	969.5	182.0	47.0	1009.5	181.3	47.7
890.0	181.3	40.7	930.0	182.0	46.0	970.0	182.0	47.0	1010.0	182.0	47.7
890.5	180.6	40.8	930.5	182.0	46.0	970.5	182.0	47.0	1010.5	181.3	47.8
891.0	179.9	40.9	931.0	182.0	46.0	971.0	182.0	47.0	1011.0	181.3	47.8
891.5	182.0	40.9	931.5	182.7	46.0	971.5	181.3	47.0	1011.5	181.3	47.9
892.0	182.0	41.0	932.0	181.3	46.0	972.0	181.3	47.0	1012.0	180.6	48.0
892.5	182.7	41.0	932.5	182.0	46.0	972.5	181.3	47.0	1012.5	182.0	48.0
893.0	182.0	41.1	933.0	182.0	46.0	973.0	182.0	47.1	1013.0	181.3	48.0
893.5	177.1	41.2	933.5	182.0	46.0	973.5	182.0	47.2	1013.5	180.6	48.0
894.0	182.0	41.2	934.0	182.7	46.0	974.0	182.0	47.2	1014.0	182.0	48.0
894.5	182.7	41.3	934.5	182.0	46.0	974.5	182.0	47.3	1014.5	181.3	48.0
895.0	182.0	41.4	935.0	182.0	46.0	975.0	181.3	47.3	1015.0	181.3	48.0
895.5	182.0	41.4	935.5	182.0	46.0	975.5	180.6	47.4	1015.5	181.3	48.0
896.0	186.1	41.5	936.0	182.0	46.0	976.0	182.0	47.5	1016.0	181.3	48.0
896.5	182.7	41.5	936.5	182.0	46.0	976.5	180.6	47.5	1016.5	181.3	48.0
897.0	181.3	41.6	937.0	182.0	46.1	977.0	179.9	47.5	1017.0	181.3	48.0
897.5	181.3	41.7	937.5	182.0	46.2	977.5	181.3	47.5	1017.5	180.6	48.0
898.0	182.0	41.7	938.0	182.7	46.2	978.0	181.3	47.5	1018.0	181.3	48.0
898.5	181.3	41.8	938.5	182.0	46.3	978.5	181.3	47.5	1018.5	181.3	48.0
899.0	182.7	41.9	939.0	182.7	46.3	979.0	181.3	47.5	1019.0	181.3	48.0
899.5	182.0	41.9	939.5	182.7	46.4	979.5	180.6	47.5	1019.5	181.3	48.0
900.0	182.0	42.0	940.0	180.6	46.5	980.0	181.3	47.5	1020.0	180.6	48.0
900.5	182.0	42.0	940.5	182.0	46.5	980.5	182.0	47.5	1020.5	178.5	48.0
901.0	182.0	42.1	941.0	182.7	46.5	981.0	181.3	47.5	1021.0	181.3	48.0
901.5	182.7	42.2	941.5	182.0	46.5	981.5	181.3	47.5	1021.5	182.0	48.0
902.0	182.0	42.2	942.0	182.0	46.5	982.0	181.3	47.5	1022.0	181.3	48.0
902.5	183.3	42.3	942.5	182.7	46.5	982.5	180.6	47.5	1022.5	180.6	48.0
903.0	182.7	42.4	943.0	182.7	46.5	983.0	181.3	47.5	1023.0	181.3	48.0
903.5	182.7	42.4	943.5	182.7	46.5	983.5	182.0	47.5	1023.5	182.0	48.0
904.0	177.1	42.5	944.0	182.0	46.5	984.0	181.3	47.5	1024.0	181.3	48.0
904.5	188.2	42.6	944.5	180.6	46.5	984.5	181.3	47.5	1024.5	181.3	48.0
905.0	182.7	42.7	945.0	182.0	46.5	985.0	181.3	47.5	1025.0	181.3	48.0
905.5	182.0	42.9	945.5	182.7	46.5	985.5	180.6	47.5	1025.5	180.6	48.0
906.0	182.7	43.0	946.0	182.0	46.5	986.0	181.3	47.5	1026.0	181.3	48.0
906.5	182.7	43.1	946.5	182.0	46.5	986.5	180.6	47.5	1026.5	181.3	48.0
907.0	186.8	43.2	947.0	182.0	46.5	987.0	181.3	47.5	1027.0	181.3	48.0
907.5	182.0	43.4	947.5	182.7	46.5	987.5	181.3	47.5	1027.5	181.3	48.0
908.0	179.9	43.5	948.0	182.0	46.5	988.0	180.6	47.5	1028.0	181.3	48.0
908.5	182.7	43.5	948.5	182.7	46.5	988.5	181.3	47.5	1028.5	181.3	48.0
909.0	181.3	43.6	949.0	182.0	46.6	989.0	181.3	47.5	1029.0	180.6	48.0
909.5	182.7	43.7	949.5	181.3	46.7	989.5	180.6	47.5	1029.5	180.6	48.0
910.0	183.3	43.7	950.0	181.3	46.7	990.0	181.3	47.5	1030.0	180.6	48.0
910.5	178.5	43.8	950.5	182.0	46.8	990.5	181.3	47.5	1030.5	180.6	48.0
911.0	185.4	43.8	951.0	182.0	46.8	991.0	180.6	47.5	1031.0	181.3	48.0
911.5	182.7	43.9	951.5	182.0	46.9	991.5	181.3	47.5	1031.5	180.6	48.0
912.0	182.7	44.0	952.0	181.3	47.0	992.0	180.6	47.5	1032.0	180.6	48.0
912.5	183.3	44.0	952.5	181.3	47.0	992.5	181.3	47.5	1032.5	181.3	48.0
913.0	183.3	44.1	953.0	181.3	47.0	993.0	182.0	47.5	1033.0	181.3	48.0
913.5	183.3	44.2	953.5	182.0	47.0	993.5	181.3	47.5	1033.5	181.3	48.0
914.0	182.0	44.2	954.0	181.3	47.0	994.0	180.6	47.5	1034.0	182.0	48.0
914.5	182.0	44.3	954.5	182.0	47.0	994.5	181.3	47.5	1034.5	182.0	48.0
915.0	182.7	44.3	955.0	182.7	47.0	995.0	181.3	47.5	1035.0	181.3	48.0
915.5	182.7	44.4	955.5	182.0	47.0	995.5	181.3	47.5	1035.5	181.3	48.0

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1036.0	181.3	48.0	1076.0	180.6	48.5	1116.0	182.0	48.5	1156.0	182.0	48.5
1036.5	181.3	48.0	1076.5	180.6	48.5	1116.5	182.0	48.5	1156.5	181.3	48.5
1037.0	181.3	48.0	1077.0	181.3	48.5	1117.0	182.0	48.5	1157.0	181.3	48.5
1037.5	181.3	48.0	1077.5	180.6	48.5	1117.5	181.3	48.5	1157.5	182.0	48.5
1038.0	180.6	48.0	1078.0	180.6	48.5	1118.0	182.0	48.5	1158.0	182.0	48.5
1038.5	181.3	48.0	1078.5	180.6	48.5	1118.5	182.0	48.5	1158.5	182.0	48.5
1039.0	181.3	48.0	1079.0	179.2	48.5	1119.0	182.0	48.5	1159.0	182.0	48.5
1039.5	180.6	48.0	1079.5	180.6	48.5	1119.5	181.3	48.5	1159.5	182.0	48.5
1040.0	180.6	48.0	1080.0	180.6	48.5	1120.0	181.3	48.5	1160.0	182.0	48.5
1040.5	180.6	48.0	1080.5	180.6	48.5	1120.5	182.0	48.5	1160.5	182.0	48.5
1041.0	180.6	48.0	1081.0	180.6	48.5	1121.0	181.3	48.5	1161.0	182.0	48.5
1041.5	180.6	48.0	1081.5	181.3	48.5	1121.5	181.3	48.5	1161.5	182.0	48.5
1042.0	181.3	48.0	1082.0	180.6	48.5	1122.0	182.0	48.5	1162.0	182.0	48.5
1042.5	180.6	48.0	1082.5	180.6	48.5	1122.5	182.0	48.5	1162.5	182.0	48.5
1043.0	181.3	48.0	1083.0	180.6	48.5	1123.0	181.3	48.5	1163.0	182.0	48.5
1043.5	181.3	48.0	1083.5	180.6	48.5	1123.5	181.3	48.5	1163.5	182.0	48.5
1044.0	181.3	48.0	1084.0	180.6	48.5	1124.0	181.3	48.5	1164.0	182.0	48.5
1044.5	181.3	48.0	1084.5	181.3	48.5	1124.5	181.3	48.5	1164.5	182.0	48.5
1045.0	180.6	48.0	1085.0	180.6	48.5	1125.0	181.3	48.5	1165.0	182.0	48.5
1045.5	181.3	48.0	1085.5	180.6	48.5	1125.5	181.3	48.5	1165.5	182.0	48.5
1046.0	180.6	48.0	1086.0	180.6	48.5	1126.0	182.0	48.5	1166.0	182.0	48.5
1046.5	180.6	48.0	1086.5	179.9	48.5	1126.5	181.3	48.5	1166.5	182.0	48.5
1047.0	180.6	48.0	1087.0	181.3	48.5	1127.0	182.0	48.5	1167.0	182.0	48.5
1047.5	180.6	48.0	1087.5	180.6	48.5	1127.5	181.3	48.5	1167.5	181.3	48.5
1048.0	181.3	48.0	1088.0	179.9	48.5	1128.0	181.3	48.5	1168.0	182.0	48.5
1048.5	180.6	48.0	1088.5	179.9	48.5	1128.5	181.3	48.5	1168.5	181.3	48.5
1049.0	181.3	48.0	1089.0	180.6	48.5	1129.0	181.3	48.5	1169.0	182.0	48.6
1049.5	181.3	48.0	1089.5	179.2	48.5	1129.5	181.3	48.5	1169.5	182.0	48.7
1050.0	182.0	48.0	1090.0	180.6	48.5	1130.0	181.3	48.5	1170.0	182.7	48.7
1050.5	182.0	48.0	1090.5	181.3	48.5	1130.5	181.3	48.5	1170.5	181.3	48.8
1051.0	180.6	48.0	1091.0	179.9	48.5	1131.0	181.3	48.5	1171.0	182.0	48.8
1051.5	181.3	48.0	1091.5	180.6	48.5	1131.5	181.3	48.5	1171.5	182.0	48.9
1052.0	181.3	48.0	1092.0	180.6	48.5	1132.0	182.0	48.5	1172.0	180.6	49.0
1052.5	180.6	48.0	1092.5	180.6	48.5	1132.5	181.3	48.5	1172.5	182.0	49.0
1053.0	181.3	48.0	1093.0	179.9	48.5	1133.0	182.0	48.5	1173.0	182.0	49.0
1053.5	181.3	48.0	1093.5	180.6	48.5	1133.5	181.3	48.5	1173.5	182.0	49.0
1054.0	181.3	48.0	1094.0	181.3	48.5	1134.0	181.3	48.5	1174.0	182.0	49.0
1054.5	180.6	48.0	1094.5	181.3	48.5	1134.5	182.0	48.5	1174.5	182.0	49.0
1055.0	181.3	48.0	1095.0	181.3	48.5	1135.0	182.0	48.5	1175.0	182.0	49.0
1055.5	181.3	48.0	1095.5	181.3	48.5	1135.5	182.0	48.5	1175.5	182.0	49.0
1056.0	181.3	48.0	1096.0	180.6	48.5	1136.0	181.3	48.5	1176.0	182.0	49.0
1056.5	182.7	48.0	1096.5	181.3	48.5	1136.5	182.0	48.5	1176.5	180.6	49.0
1057.0	181.3	48.0	1097.0	182.0	48.5	1137.0	181.3	48.5	1177.0	182.0	49.0
1057.5	180.6	48.0	1097.5	181.3	48.5	1137.5	181.3	48.5	1177.5	180.6	49.0
1058.0	182.0	48.0	1098.0	181.3	48.5	1138.0	181.3	48.5	1178.0	180.6	49.0
1058.5	181.3	48.0	1098.5	182.0	48.5	1138.5	182.0	48.5	1178.5	182.7	49.0
1059.0	181.3	48.0	1099.0	181.3	48.5	1139.0	182.0	48.5	1179.0	182.0	49.0
1059.5	181.3	48.0	1099.5	181.3	48.5	1139.5	182.0	48.5	1179.5	182.0	49.0
1060.0	181.3	48.0	1100.0	182.0	48.5	1140.0	181.3	48.5	1180.0	182.0	49.0
1060.5	181.3	48.0	1100.5	182.0	48.5	1140.5	182.0	48.5	1180.5	180.6	49.0
1061.0	182.0	48.0	1101.0	182.0	48.5	1141.0	181.3	48.5	1181.0	182.0	49.0
1061.5	181.3	48.0	1101.5	182.0	48.5	1141.5	182.0	48.5	1181.5	182.0	49.0
1062.0	182.0	48.0	1102.0	182.0	48.5	1142.0	182.0	48.5	1182.0	180.6	49.0
1062.5	182.0	48.0	1102.5	181.3	48.5	1142.5	181.3	48.5	1182.5	182.0	49.0
1063.0	181.3	48.0	1103.0	181.3	48.5	1143.0	182.0	48.5	1183.0	182.0	49.0
1063.5	181.3	48.0	1103.5	181.3	48.5	1143.5	182.0	48.5	1183.5	180.6	49.0
1064.0	181.3	48.0	1104.0	181.3	48.5	1144.0	181.3	48.5	1184.0	182.0	49.0
1064.5	182.0	48.0	1104.5	181.3	48.5	1144.5	182.0	48.5	1184.5	182.0	49.0
1065.0	182.0	48.0	1105.0	181.3	48.5	1145.0	181.3	48.5	1185.0	180.6	49.0
1065.5	181.3	48.0	1105.5	181.3	48.5	1145.5	182.0	48.5	1185.5	182.0	49.0
1066.0	181.3	48.0	1106.0	181.3	48.5	1146.0	182.0	48.5	1186.0	182.0	49.0
1066.5	181.3	48.0	1106.5	181.3	48.5	1146.5	181.3	48.5	1186.5	180.6	49.0
1067.0	181.3	48.0	1107.0	182.0	48.5	1147.0	182.0	48.5	1187.0	182.0	49.0
1067.5	181.3	48.0	1107.5	181.3	48.5	1147.5	182.0	48.5	1187.5	182.7	49.0
1068.0	181.3	48.0	1108.0	181.3	48.5	1148.0	181.3	48.5	1188.0	182.0	49.0
1068.5	182.0	48.0	1108.5	181.3	48.5	1148.5	181.3	48.5	1188.5	180.6	49.0
1069.0	181.3	48.0	1109.0	181.3	48.5	1149.0	182.0	48.5	1189.0	182.0	49.0
1069.5	181.3	48.0	1109.5	182.0	48.5	1149.5	182.0	48.5	1189.5	182.0	49.0
1070.0	180.6	48.0	1110.0	181.3	48.5	1150.0	182.0	48.5	1190.0	182.0	49.0
1070.5	181.3	48.0	1110.5	181.3	48.5	1150.5	182.0	48.5	1190.5	180.6	49.0
1071.0	182.0	48.0	1111.0	181.3	48.5	1151.0	181.3	48.5	1191.0	182.7	49.0
1071.5	181.3	48.0	1111.5	182.0	48.5	1151.5	182.0	48.5	1191.5	182.0	49.0
1072.0	182.0	48.0	1112.0	182.0	48.5	1152.0	182.0	48.5	1192.0	180.6	49.0
1072.5	181.3	48.0	1112.5	182.0	48.5	1152.5	182.0	48.5	1192.5	182.0	49.0
1073.0	180.6	48.1	1113.0	181.3	48.5	1153.0	182.0	48.5	1193.0	182.0	49.0
1073.5	179.9	48.2	1113.5	181.3	48.5	1153.5	181.3	48.5	1193.5	182.0	49.0
1074.0	179.9	48.2	1114.0	182.0	48.5	1154.0	182.0	48.5	1194.0	182.7	49.0
1074.5	179.9	48.3	1114.5	181.3	48.5	1154.5	182.0	48.5	1194.5	182.0	49.0
1075.0	179.9	48.3	1115.0	182.0	48.5	1155.0	182.0	48.5	1195.0	182.0	49.0
1075.5	179.9	48.4	1115.5	182.0	48.5	1155.5	182.0	48.5	1195.5	182.0	49.0

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1196.0	182.0	49.0	1236.0	182.0	49.0	1276.0	182.0	49.0	1316.0	182.0	49.5
1196.5	182.0	49.0	1236.5	182.0	49.0	1276.5	181.3	49.0	1316.5	181.3	49.5
1197.0	182.0	49.0	1237.0	180.6	49.0	1277.0	181.3	49.1	1317.0	181.3	49.5
1197.5	180.6	49.0	1237.5	182.0	49.0	1277.5	182.0	49.2	1317.5	182.0	49.5
1198.0	182.0	49.0	1238.0	182.7	49.0	1278.0	182.0	49.2	1318.0	181.3	49.5
1198.5	182.0	49.0	1238.5	182.0	49.0	1278.5	181.3	49.3	1318.5	181.3	49.5
1199.0	182.0	49.0	1239.0	182.0	49.0	1279.0	182.0	49.3	1319.0	182.0	49.5
1199.5	182.0	49.0	1239.5	182.0	49.0	1279.5	181.3	49.4	1319.5	181.3	49.5
1200.0	182.0	49.0	1240.0	182.0	49.0	1280.0	182.0	49.5	1320.0	181.3	49.5
1200.5	182.0	49.0	1240.5	182.0	49.0	1280.5	181.3	49.5	1320.5	182.0	49.5
1201.0	182.0	49.0	1241.0	182.0	49.0	1281.0	181.3	49.5	1321.0	182.0	49.5
1201.5	182.0	49.0	1241.5	182.0	49.0	1281.5	181.3	49.5	1321.5	182.0	49.5
1202.0	180.6	49.0	1242.0	182.0	49.0	1282.0	181.3	49.5	1322.0	182.0	49.5
1202.5	182.0	49.0	1242.5	182.0	49.0	1282.5	182.0	49.5	1322.5	182.0	49.5
1203.0	182.0	49.0	1243.0	182.7	49.0	1283.0	181.3	49.5	1323.0	183.3	49.5
1203.5	182.0	49.0	1243.5	182.0	49.0	1283.5	182.0	49.5	1323.5	183.3	49.5
1204.0	182.0	49.0	1244.0	182.0	49.0	1284.0	181.3	49.5	1324.0	184.0	49.5
1204.5	180.6	49.0	1244.5	182.0	49.0	1284.5	181.3	49.5	1324.5	184.0	49.5
1205.0	182.7	49.0	1245.0	182.0	49.0	1285.0	181.3	49.5	1325.0	186.8	49.5
1205.5	182.0	49.0	1245.5	182.0	49.0	1285.5	182.0	49.5	1325.5	190.2	49.5
1206.0	182.0	49.0	1246.0	182.0	49.0	1286.0	181.3	49.5	1326.0	189.6	49.5
1206.5	182.0	49.0	1246.5	182.0	49.0	1286.5	181.3	49.5	1326.5	188.9	49.5
1207.0	182.0	49.0	1247.0	182.7	49.0	1287.0	181.3	49.5	1327.0	190.2	49.5
1207.5	182.0	49.0	1247.5	182.7	49.0	1287.5	181.3	49.5	1327.5	190.2	49.5
1208.0	182.0	49.0	1248.0	180.6	49.0	1288.0	180.6	49.5	1328.0	189.6	49.5
1208.5	182.0	49.0	1248.5	182.0	49.0	1288.5	181.3	49.5	1328.5	189.6	49.5
1209.0	180.6	49.0	1249.0	182.0	49.0	1289.0	181.3	49.5	1329.0	190.2	49.5
1209.5	182.0	49.0	1249.5	182.7	49.0	1289.5	181.3	49.5	1329.5	190.2	49.5
1210.0	182.0	49.0	1250.0	182.0	49.0	1290.0	181.3	49.5	1330.0	189.6	49.5
1210.5	180.6	49.0	1250.5	182.7	49.0	1290.5	181.3	49.5	1330.5	189.6	49.5
1211.0	182.0	49.0	1251.0	182.7	49.0	1291.0	181.3	49.5	1331.0	190.2	49.5
1211.5	180.6	49.0	1251.5	182.0	49.0	1291.5	182.0	49.5	1331.5	190.2	49.5
1212.0	182.7	49.0	1252.0	182.0	49.0	1292.0	181.3	49.5	1332.0	193.7	49.5
1212.5	180.6	49.0	1252.5	182.0	49.0	1292.5	182.0	49.5	1332.5	190.9	49.5
1213.0	182.0	49.0	1253.0	182.0	49.0	1293.0	181.3	49.5	1333.0	189.6	49.5
1213.5	182.7	49.0	1253.5	182.7	49.0	1293.5	182.0	49.5	1333.5	189.6	49.5
1214.0	182.0	49.0	1254.0	182.0	49.0	1294.0	181.3	49.5	1334.0	188.2	49.5
1214.5	180.6	49.0	1254.5	182.0	49.0	1294.5	181.3	49.5	1334.5	189.6	49.5
1215.0	180.6	49.0	1255.0	182.0	49.0	1295.0	182.0	49.5	1335.0	190.2	49.5
1215.5	182.0	49.0	1255.5	182.7	49.0	1295.5	181.3	49.5	1335.5	189.6	49.5
1216.0	182.0	49.0	1256.0	182.0	49.0	1296.0	181.3	49.5	1336.0	189.6	49.5
1216.5	182.0	49.0	1256.5	182.0	49.0	1296.5	182.0	49.5	1336.5	190.2	49.5
1217.0	182.0	49.0	1257.0	180.6	49.0	1297.0	181.3	49.5	1337.0	190.9	49.5
1217.5	182.0	49.0	1257.5	182.0	49.0	1297.5	182.0	49.5	1337.5	190.2	49.5
1218.0	182.0	49.0	1258.0	182.0	49.0	1298.0	181.3	49.5	1338.0	189.6	49.5
1218.5	182.0	49.0	1258.5	182.0	49.0	1298.5	181.3	49.5	1338.5	189.6	49.5
1219.0	180.6	49.0	1259.0	182.7	49.0	1299.0	181.3	49.5	1339.0	190.9	49.5
1219.5	182.0	49.0	1259.5	180.6	49.0	1299.5	181.3	49.5	1339.5	190.9	49.5
1220.0	182.0	49.0	1260.0	182.0	49.0	1300.0	182.0	49.5	1340.0	190.2	49.5
1220.5	182.0	49.0	1260.5	180.6	49.0	1300.5	181.3	49.5	1340.5	190.2	49.5
1221.0	182.0	49.0	1261.0	182.7	49.0	1301.0	181.3	49.5	1341.0	189.6	49.5
1221.5	182.0	49.0	1261.5	182.0	49.0	1301.5	181.3	49.5	1341.5	188.9	49.5
1222.0	182.0	49.0	1262.0	182.0	49.0	1302.0	181.3	49.5	1342.0	189.6	49.5
1222.5	180.6	49.0	1262.5	182.7	49.0	1302.5	181.3	49.5	1342.5	190.2	49.5
1223.0	182.0	49.0	1263.0	182.0	49.0	1303.0	181.3	49.5	1343.0	190.2	49.5
1223.5	182.0	49.0	1263.5	182.0	49.0	1303.5	182.0	49.5	1343.5	190.2	49.5
1224.0	182.0	49.0	1264.0	182.7	49.0	1304.0	182.0	49.5	1344.0	190.9	49.5
1224.5	182.0	49.0	1264.5	182.0	49.0	1304.5	182.0	49.5	1344.5	190.9	49.5
1225.0	182.0	49.0	1265.0	182.0	49.0	1305.0	182.0	49.5	1345.0	190.2	49.5
1225.5	182.0	49.0	1265.5	180.6	49.0	1305.5	182.0	49.5	1345.5	189.6	49.5
1226.0	182.0	49.0	1266.0	182.0	49.0	1306.0	181.3	49.5	1346.0	190.2	49.5
1226.5	180.6	49.0	1266.5	182.0	49.0	1306.5	181.3	49.5	1346.5	190.2	49.5
1227.0	182.0	49.0	1267.0	182.7	49.0	1307.0	181.3	49.5	1347.0	190.9	49.5
1227.5	182.0	49.0	1267.5	182.7	49.0	1307.5	181.3	49.5	1347.5	189.6	49.5
1228.0	182.0	49.0	1268.0	182.0	49.0	1308.0	182.0	49.5	1348.0	190.2	49.5
1228.5	182.0	49.0	1268.5	180.6	49.0	1308.5	182.0	49.5	1348.5	189.6	49.5
1229.0	182.0	49.0	1269.0	182.0	49.0	1309.0	182.0	49.5	1349.0	190.2	49.5
1229.5	182.0	49.0	1269.5	182.0	49.0	1309.5	182.0	49.5	1349.5	190.2	49.5
1230.0	182.0	49.0	1270.0	182.0	49.0	1310.0	181.3	49.5	1350.0	189.6	49.5
1230.5	182.0	49.0	1270.5	182.7	49.0	1310.5	181.3	49.5	1350.5	189.6	49.5
1231.0	182.0	49.0	1271.0	182.0	49.0	1311.0	181.3	49.5	1351.0	190.2	49.5
1231.5	180.6	49.0	1271.5	182.7	49.0	1311.5	181.3	49.5	1351.5	189.6	49.5
1232.0	182.0	49.0	1272.0	182.0	49.0	1312.0	182.0	49.5	1352.0	188.9	49.5
1232.5	182.0	49.0	1272.5	182.7	49.0	1312.5	181.3	49.5	1352.5	190.2	49.5
1233.0	182.0	49.0	1273.0	182.0	49.0	1313.0	182.0	49.5	1353.0	190.9	49.5
1233.5	182.0	49.0	1273.5	182.7	49.0	1313.5	182.0	49.5	1353.5	189.6	49.5
1234.0	182.0	49.0	1274.0	182.0	49.0	1314.0	182.0	49.5	1354.0	190.2	49.5
1234.5	182.0	49.0	1274.5	182.7	49.0	1314.5	182.0	49.5	1354.5	189.6	49.5
1235.0	182.7	49.0	1275.0	182.7	49.0	1315.0	182.0	49.5	1355.0	190.2	49.5
1235.5	182.0	49.0	1275.5	182.7	49.0	1315.5	181.3	49.5	1355.5	190.2	49.5

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1356.0	190.2	49.5	1396.0	774.9	51.0	1436.0	952.8	51.5	1476.0	939.0	51.5
1356.5	190.2	49.5	1396.5	774.2	51.0	1436.5	979.0	51.5	1476.5	939.0	51.5
1357.0	189.6	49.5	1397.0	774.2	51.1	1437.0	1025.2	51.5	1477.0	939.0	51.5
1357.5	190.9	49.5	1397.5	774.2	51.1	1437.5	988.0	51.5	1477.5	939.0	51.5
1358.0	190.2	49.5	1398.0	773.5	51.2	1438.0	973.5	51.5	1478.0	939.0	51.5
1358.5	189.6	49.5	1398.5	772.8	51.3	1438.5	937.6	51.5	1478.5	939.0	51.5
1359.0	193.0	49.5	1399.0	773.5	51.3	1439.0	939.0	51.5	1479.0	939.7	51.5
1359.5	189.6	49.5	1399.5	773.5	51.4	1439.5	938.3	51.5	1479.5	939.7	51.5
1360.0	189.6	49.5	1400.0	772.8	51.5	1440.0	948.7	51.5	1480.0	939.0	51.5
1360.5	190.2	49.5	1400.5	772.8	51.5	1440.5	945.9	51.5	1480.5	939.0	51.5
1361.0	189.6	49.5	1401.0	772.8	51.5	1441.0	938.3	51.5	1481.0	939.0	51.5
1361.5	190.2	49.5	1401.5	772.2	51.5	1441.5	916.9	51.5	1481.5	939.0	51.5
1362.0	190.2	49.5	1402.0	773.5	51.5	1442.0	928.7	51.5	1482.0	938.3	51.5
1362.5	184.7	49.5	1402.5	773.5	51.5	1442.5	921.8	51.5	1482.5	939.0	51.5
1363.0	191.6	49.5	1403.0	772.8	51.5	1443.0	936.9	51.5	1483.0	939.0	51.5
1363.5	190.2	49.5	1403.5	773.5	51.5	1443.5	939.0	51.5	1483.5	939.0	51.5
1364.0	190.2	49.5	1404.0	772.8	51.5	1444.0	941.8	51.5	1484.0	938.3	51.5
1364.5	189.6	49.5	1404.5	771.5	51.5	1444.5	941.1	51.5	1484.5	939.0	51.5
1365.0	190.2	49.5	1405.0	771.5	51.5	1445.0	939.7	51.5	1485.0	939.0	51.5
1365.5	189.6	49.5	1405.5	772.2	51.5	1445.5	941.1	51.5	1485.5	939.0	51.5
1366.0	190.2	49.5	1406.0	770.8	51.5	1446.0	941.1	51.5	1486.0	939.0	51.5
1366.5	189.6	49.5	1406.5	771.5	51.5	1446.5	941.1	51.5	1486.5	938.3	51.5
1367.0	182.0	49.5	1407.0	772.2	51.5	1447.0	939.7	51.5	1487.0	939.0	51.5
1367.5	181.3	49.5	1407.5	772.2	51.5	1447.5	941.1	51.5	1487.5	939.0	51.5
1368.0	182.0	49.5	1408.0	771.5	51.5	1448.0	941.1	51.5	1488.0	939.0	51.5
1368.5	182.0	49.5	1408.5	770.8	51.5	1448.5	941.1	51.5	1488.5	939.0	51.5
1369.0	182.0	49.5	1409.0	770.1	51.5	1449.0	939.7	51.5	1489.0	938.3	51.5
1369.5	182.0	49.5	1409.5	770.8	51.5	1449.5	941.1	51.5	1489.5	939.0	51.5
1370.0	182.0	49.5	1410.0	771.5	51.5	1450.0	939.7	51.5	1490.0	939.0	51.5
1370.5	181.3	49.5	1410.5	770.1	51.5	1450.5	939.7	51.5	1490.5	939.0	51.5
1371.0	182.0	49.5	1411.0	770.1	51.5	1451.0	939.7	51.5	1491.0	938.3	51.5
1371.5	182.0	49.5	1411.5	770.8	51.5	1451.5	939.7	51.5	1491.5	939.0	51.5
1372.0	182.0	49.5	1412.0	768.7	51.5	1452.0	939.7	51.5	1492.0	938.3	51.5
1372.5	182.0	49.5	1412.5	770.8	51.5	1452.5	939.7	51.5	1492.5	939.0	51.5
1373.0	181.3	49.5	1413.0	770.1	51.5	1453.0	939.7	51.5	1493.0	939.0	51.5
1373.5	182.0	49.5	1413.5	768.7	51.5	1453.5	939.7	51.5	1493.5	938.3	51.5
1374.0	182.0	49.5	1414.0	770.1	51.5	1454.0	939.7	51.5	1494.0	939.0	51.5
1374.5	181.3	49.5	1414.5	768.7	51.5	1454.5	939.7	51.5	1494.5	938.3	51.5
1375.0	182.0	49.5	1415.0	770.1	51.5	1455.0	939.7	51.5	1495.0	939.7	51.5
1375.5	182.0	49.5	1415.5	770.1	51.5	1455.5	939.7	51.5	1495.5	939.0	51.5
1376.0	181.3	49.5	1416.0	770.1	51.5	1456.0	939.7	51.5	1496.0	938.3	51.5
1376.5	182.0	49.5	1416.5	768.7	51.5	1456.5	939.7	51.5	1496.5	939.0	51.4
1377.0	182.0	49.5	1417.0	768.7	51.5	1457.0	939.7	51.5	1497.0	938.3	51.3
1377.5	182.0	49.5	1417.5	768.7	51.5	1457.5	939.7	51.5	1497.5	938.3	51.3
1378.0	182.0	49.5	1418.0	770.1	51.5	1458.0	939.7	51.5	1498.0	939.7	51.2
1378.5	182.0	49.5	1418.5	770.1	51.5	1458.5	939.0	51.5	1498.5	938.3	51.1
1379.0	182.0	49.5	1419.0	768.0	51.5	1459.0	939.7	51.5	1499.0	939.0	51.1
1379.5	182.0	49.5	1419.5	770.1	51.5	1459.5	939.7	51.5	1499.5	939.7	51.0
1380.0	182.0	49.5	1420.0	768.7	51.5	1460.0	939.0	51.5	1500.0	939.0	51.0
1380.5	182.0	49.5	1420.5	768.7	51.5	1460.5	939.7	51.5	1500.5	939.7	51.0
1381.0	181.3	49.5	1421.0	768.7	51.5	1461.0	939.7	51.5	1501.0	938.3	51.0
1381.5	182.0	49.5	1421.5	768.0	51.5	1461.5	939.7	51.5	1501.5	939.0	51.0
1382.0	181.3	49.5	1422.0	768.7	51.5	1462.0	939.7	51.5	1502.0	939.0	51.0
1382.5	181.3	49.5	1422.5	770.1	51.5	1462.5	939.7	51.5	1502.5	940.4	51.0
1383.0	182.0	49.5	1423.0	768.7	51.5	1463.0	939.0	51.5	1503.0	939.0	51.0
1383.5	181.3	49.5	1423.5	768.0	51.5	1463.5	939.0	51.5	1503.5	939.0	51.0
1384.0	181.3	49.5	1424.0	770.1	51.5	1464.0	939.7	51.5	1504.0	939.0	51.0
1384.5	182.0	49.5	1424.5	768.7	51.5	1464.5	939.0	51.5	1504.5	939.0	51.0
1385.0	181.3	49.5	1425.0	768.7	51.5	1465.0	939.0	51.5	1505.0	939.7	51.0
1385.5	182.0	49.5	1425.5	768.7	51.5	1465.5	939.7	51.5	1505.5	939.7	51.0
1386.0	182.0	49.5	1426.0	768.0	51.5	1466.0	938.3	51.5	1506.0	939.0	51.0
1386.5	181.3	49.5	1426.5	768.0	51.5	1466.5	939.7	51.5	1506.5	950.0	51.0
1387.0	182.0	49.5	1427.0	768.0	51.5	1467.0	939.0	51.5	1507.0	928.7	51.0
1387.5	182.0	49.5	1427.5	768.0	51.5	1467.5	939.0	51.5	1507.5	1594.7	51.0
1388.0	181.3	49.5	1428.0	768.7	51.5	1468.0	939.0	51.5	1508.0	1027.3	51.0
1388.5	182.0	49.5	1428.5	768.0	51.5	1468.5	939.7	51.5	1508.5	708.0	51.0
1389.0	186.1	49.5	1429.0	761.8	51.5	1469.0	939.0	51.5	1509.0	541.9	51.0
1389.5	181.3	49.5	1429.5	766.6	51.5	1469.5	939.0	51.5	1509.5	557.7	51.0
1390.0	182.0	49.5	1430.0	640.5	51.5	1470.0	939.7	51.5	1510.0	583.9	51.0
1390.5	181.3	49.5	1430.5	854.2	51.5	1470.5	939.0	51.5	1510.5	606.0	51.0
1391.0	182.0	49.5	1431.0	866.6	51.5	1471.0	939.0	51.5	1511.0	606.7	51.0
1391.5	182.0	49.5	1431.5	874.9	51.5	1471.5	939.0	51.5	1511.5	619.1	51.0
1392.0	181.3	49.5	1432.0	890.7	51.5	1472.0	938.3	51.5	1512.0	626.0	51.0
1392.5	182.0	49.6	1432.5	890.1	51.5	1472.5	939.0	51.5	1512.5	633.6	51.0
1393.0	181.3	49.8	1433.0	900.4	51.5	1473.0	939.0	51.5	1513.0	647.4	51.0
1393.5	181.3	50.0	1433.5	926.6	51.5	1473.5	938.3	51.5	1513.5	647.4	51.0
1394.0	181.3	50.2	1434.0	928.0	51.5	1474.0	939.0	51.5	1514.0	632.9	51.0
1394.5	228.2	50.4	1434.5	925.2	51.5	1474.5	939.0	51.5	1514.5	634.3	51.0
1395.0	446.7	50.6	1435.0	926.6	51.5	1475.0	939.7	51.5	1515.0	643.9	51.0
1395.5	689.4	50.8	1435.5	945.2	51.5	1475.5	939.0	51.5	1515.5	650.1	51.0

TEST REFERENCE#: 300926AR

FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1516.0	658.4	51.0	1556.0	830.8	51.0	1596.0	1043.1	51.0	1636.0	1369.2	51.5
1516.5	663.9	51.0	1556.5	828.0	51.0	1596.5	1050.7	51.0	1636.5	1373.4	51.5
1517.0	663.9	51.0	1557.0	801.8	51.0	1597.0	1051.4	51.0	1637.0	1380.3	51.5
1517.5	671.5	51.0	1557.5	777.0	51.0	1597.5	1061.7	51.0	1637.5	1372.7	51.5
1518.0	671.5	51.0	1558.0	785.3	51.0	1598.0	1064.5	51.0	1638.0	1343.7	51.5
1518.5	673.6	51.0	1558.5	794.9	51.0	1598.5	1073.5	51.0	1638.5	1356.1	51.5
1519.0	683.9	51.0	1559.0	806.6	51.0	1599.0	1081.7	51.0	1639.0	1356.8	51.5
1519.5	689.4	51.0	1559.5	818.4	51.0	1599.5	1088.6	51.0	1639.5	1356.1	51.5
1520.0	697.7	51.0	1560.0	829.4	51.0	1600.0	1092.8	51.0	1640.0	1356.8	51.5
1520.5	706.7	51.0	1560.5	838.3	51.0	1600.5	1090.7	51.0	1640.5	1356.1	51.5
1521.0	709.4	51.0	1561.0	841.8	51.0	1601.0	1037.6	51.0	1641.0	1356.8	51.5
1521.5	667.4	51.0	1561.5	849.4	51.0	1601.5	1049.3	51.0	1641.5	1356.8	51.5
1522.0	606.0	51.0	1562.0	862.5	51.0	1602.0	1054.8	51.0	1642.0	1356.1	51.5
1522.5	618.4	51.0	1562.5	862.5	51.0	1602.5	1064.5	51.0	1642.5	1356.1	51.5
1523.0	626.7	51.0	1563.0	868.7	51.0	1603.0	1071.4	51.0	1643.0	1356.8	51.5
1523.5	633.6	51.0	1563.5	872.1	51.0	1603.5	1085.2	51.0	1643.5	1356.1	51.5
1524.0	648.1	51.0	1564.0	879.7	51.0	1604.0	1081.7	51.0	1644.0	1356.8	51.5
1524.5	654.9	51.0	1564.5	880.4	51.0	1604.5	1085.2	51.0	1644.5	1252.0	51.5
1525.0	666.0	51.0	1565.0	857.7	51.0	1605.0	1090.0	51.0	1645.0	1030.7	51.5
1525.5	672.9	51.0	1565.5	845.2	51.0	1605.5	1102.4	51.0	1645.5	953.5	51.5
1526.0	666.0	51.0	1566.0	836.3	51.0	1606.0	1109.3	51.0	1646.0	890.1	51.5
1526.5	674.3	51.0	1566.5	848.7	51.0	1606.5	1112.8	51.0	1646.5	819.0	51.5
1527.0	674.3	51.0	1567.0	863.9	51.0	1607.0	1124.5	51.0	1647.0	739.1	51.5
1527.5	644.6	51.0	1567.5	876.3	51.0	1607.5	1126.5	51.0	1647.5	678.4	51.5
1528.0	648.1	51.0	1568.0	892.1	51.0	1608.0	1137.6	51.0	1648.0	636.3	51.5
1528.5	659.1	51.0	1568.5	900.4	51.0	1608.5	1144.5	51.0	1648.5	611.5	51.5
1529.0	659.8	51.0	1569.0	910.7	51.0	1609.0	1147.9	51.1	1649.0	601.9	51.5
1529.5	666.7	51.0	1569.5	919.0	51.0	1609.5	1155.5	51.1	1649.5	594.3	51.5
1530.0	677.0	51.0	1570.0	928.7	51.0	1610.0	1161.0	51.2	1650.0	590.1	51.5
1530.5	683.9	51.0	1570.5	928.7	51.0	1610.5	1163.1	51.3	1650.5	587.4	51.5
1531.0	698.4	51.0	1571.0	934.2	51.0	1611.0	1125.2	51.3	1651.0	588.1	51.5
1531.5	701.8	51.0	1571.5	943.8	51.0	1611.5	1119.0	51.4	1651.5	588.1	51.5
1532.0	708.0	51.0	1572.0	952.1	51.0	1612.0	1119.6	51.5	1652.0	588.1	51.5
1532.5	713.6	51.0	1572.5	952.1	51.0	1612.5	1135.5	51.5	1652.5	588.8	51.5
1533.0	718.4	51.0	1573.0	952.8	51.0	1613.0	1147.2	51.5	1653.0	588.8	51.5
1533.5	734.9	51.0	1573.5	963.8	51.0	1613.5	1158.9	51.5	1653.5	588.1	51.5
1534.0	745.3	51.0	1574.0	968.0	51.0	1614.0	1170.0	51.5	1654.0	588.1	51.5
1534.5	756.3	51.0	1574.5	977.6	51.0	1614.5	1175.5	51.5	1654.5	588.8	51.5
1535.0	743.2	51.0	1575.0	981.1	51.0	1615.0	1188.6	51.5	1655.0	588.1	51.5
1535.5	759.7	51.0	1575.5	978.3	51.0	1615.5	1198.2	51.5	1655.5	589.4	51.5
1536.0	777.0	51.0	1576.0	984.5	51.0	1616.0	1205.8	51.5	1656.0	588.1	51.5
1536.5	787.3	51.0	1576.5	985.9	51.0	1616.5	1174.1	51.5	1656.5	588.1	51.5
1537.0	785.3	51.0	1577.0	986.6	51.0	1617.0	1156.2	51.5	1657.0	588.8	51.5
1537.5	748.0	51.0	1577.5	989.3	51.0	1617.5	1149.3	51.5	1657.5	588.8	51.5
1538.0	740.4	51.0	1578.0	935.6	51.0	1618.0	1158.3	51.5	1658.0	588.8	51.5
1538.5	741.8	51.0	1578.5	925.2	51.0	1618.5	1167.9	51.5	1658.5	588.8	51.5
1539.0	721.1	51.0	1579.0	940.4	51.0	1619.0	1161.7	51.5	1659.0	588.8	51.5
1539.5	731.5	51.0	1579.5	952.1	51.0	1619.5	1170.0	51.5	1659.5	588.8	51.5
1540.0	742.5	51.0	1580.0	964.5	51.0	1620.0	1175.5	51.5	1660.0	589.4	51.5
1540.5	750.1	51.0	1580.5	973.5	51.0	1620.5	1188.6	51.5	1660.5	588.8	51.5
1541.0	762.5	51.0	1581.0	982.4	51.0	1621.0	1198.9	51.5	1661.0	588.1	51.5
1541.5	771.5	51.0	1581.5	989.3	51.0	1621.5	1218.2	51.5	1661.5	589.4	51.5
1542.0	764.6	51.0	1582.0	1000.4	51.0	1622.0	1225.1	51.5	1662.0	588.8	51.5
1542.5	692.9	51.0	1582.5	1005.2	51.0	1622.5	1239.6	51.5	1662.5	589.4	51.5
1543.0	695.6	51.0	1583.0	1012.1	51.0	1623.0	1247.2	51.5	1663.0	590.1	51.5
1543.5	710.1	51.0	1583.5	1025.2	51.0	1623.5	1256.9	51.5	1663.5	588.8	51.5
1544.0	728.7	51.0	1584.0	979.0	51.0	1624.0	1256.9	51.5	1664.0	588.8	51.5
1544.5	740.4	51.0	1584.5	993.5	51.0	1624.5	1261.0	51.5	1664.5	588.8	51.5
1545.0	752.2	51.0	1585.0	993.5	51.0	1625.0	1270.0	51.5	1665.0	589.4	51.5
1545.5	768.0	51.0	1585.5	1001.7	51.0	1625.5	1274.1	51.5	1665.5	588.8	51.5
1546.0	771.5	51.0	1586.0	1012.8	51.0	1626.0	1273.4	51.5	1666.0	588.8	51.5
1546.5	781.1	51.0	1586.5	1012.8	51.0	1626.5	1283.7	51.5	1666.5	588.8	51.5
1547.0	785.3	51.0	1587.0	1008.6	51.0	1627.0	1236.2	51.5	1667.0	588.8	51.5
1547.5	794.9	51.0	1587.5	1016.9	51.0	1627.5	1245.1	51.5	1667.5	589.4	51.5
1548.0	803.9	51.0	1588.0	1026.6	51.0	1628.0	1254.1	51.5	1668.0	588.8	51.5
1548.5	806.6	51.0	1588.5	1028.6	51.0	1628.5	1270.0	51.5	1668.5	588.8	51.5
1549.0	809.4	51.0	1589.0	1036.2	51.0	1629.0	1280.3	51.5	1669.0	589.4	51.5
1549.5	792.8	51.0	1589.5	1043.1	51.0	1629.5	1294.1	51.5	1669.5	588.8	51.5
1550.0	797.0	51.0	1590.0	1050.7	51.0	1630.0	1300.3	51.5	1670.0	588.8	51.5
1550.5	802.5	51.0	1590.5	1027.3	51.0	1630.5	1305.1	51.5	1670.5	588.8	51.5
1551.0	814.2	51.0	1591.0	989.3	51.0	1631.0	1308.6	51.5	1671.0	588.8	51.5
1551.5	823.2	51.0	1591.5	1001.1	51.0	1631.5	1313.4	51.5	1671.5	589.4	51.5
1552.0	831.5	51.0	1592.0	1008.6	51.0	1632.0	1321.0	51.5	1672.0	589.4	51.5
1552.5	842.5	51.0	1592.5	1027.3	51.0	1632.5	1322.4	51.5	1672.5	589.4	51.5
1553.0	846.6	51.0	1593.0	1030.7	51.0	1633.0	1332.7	51.5	1673.0	589.4	51.5
1553.5	854.9	51.0	1593.5	1035.5	51.0	1633.5	1333.4	51.5	1673.5	588.1	51.5
1554.0	863.2	51.0	1594.0	1039.7	51.0	1634.0	1341.7	51.5	1674.0	588.8	51.5
1554.5	865.2	51.0	1594.5	1049.3	51.0	1634.5	1346.5	51.5	1674.5	589.4	51.5
1555.0	820.4	51.0	1595.0	1052.8	51.0	1635.0	1354.1	51.5	1675.0	589.4	51.5
1555.5	830.8	51.0	1595.5	1061.0	51.0	1635.5	1361.7	51.5	1675.5	588.8	51.5

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1676.0	588.1	51.5	1716.0	567.4	51.5	1756.0	566.0	51.5	1796.0	566.7	51.5
1676.5	588.3	51.5	1716.5	566.7	51.5	1756.5	567.4	51.5	1796.5	566.7	51.5
1677.0	589.4	51.5	1717.0	567.4	51.5	1757.0	566.0	51.5	1797.0	565.3	51.5
1677.5	589.4	51.5	1717.5	566.7	51.5	1757.5	566.7	51.5	1797.5	566.0	51.5
1678.0	588.1	51.5	1718.0	567.4	51.5	1758.0	566.7	51.5	1798.0	566.0	51.5
1678.5	590.1	51.5	1718.5	566.0	51.5	1758.5	566.7	51.5	1798.5	566.0	51.5
1679.0	588.1	51.5	1719.0	566.7	51.5	1759.0	567.4	51.5	1799.0	567.4	51.5
1679.5	588.8	51.5	1719.5	566.0	51.5	1759.5	566.7	51.5	1799.5	566.0	51.5
1680.0	587.4	51.5	1720.0	566.7	51.5	1760.0	566.0	51.5	1800.0	565.3	51.5
1680.5	587.4	51.5	1720.5	566.0	51.5	1760.5	567.4	51.5	1800.5	566.0	51.5
1681.0	588.8	51.5	1721.0	567.4	51.5	1761.0	566.7	51.5	1801.0	566.0	51.5
1681.5	588.8	51.5	1721.5	567.4	51.5	1761.5	567.4	51.5	1801.5	566.7	51.5
1682.0	588.8	51.5	1722.0	567.4	51.5	1762.0	566.7	51.5	1802.0	566.0	51.5
1682.5	589.4	51.5	1722.5	566.7	51.5	1762.5	566.0	51.5	1802.5	568.1	51.5
1683.0	588.1	51.5	1723.0	566.7	51.5	1763.0	566.7	51.5	1803.0	566.7	51.5
1683.5	589.4	51.5	1723.5	566.7	51.5	1763.5	566.0	51.5	1803.5	566.0	51.5
1684.0	589.4	51.5	1724.0	566.7	51.5	1764.0	566.0	51.5	1804.0	566.0	51.5
1684.5	588.8	51.5	1724.5	566.7	51.5	1764.5	566.7	51.5	1804.5	566.7	51.5
1685.0	588.8	51.5	1725.0	566.7	51.5	1765.0	566.7	51.5	1805.0	566.0	51.5
1685.5	588.8	51.5	1725.5	567.4	51.5	1765.5	566.7	51.5	1805.5	566.0	51.5
1686.0	588.1	51.5	1726.0	566.0	51.5	1766.0	566.0	51.5	1806.0	565.3	51.5
1686.5	589.4	51.5	1726.5	566.7	51.5	1766.5	567.4	51.5	1806.5	566.7	51.5
1687.0	588.8	51.5	1727.0	567.4	51.5	1767.0	566.7	51.5	1807.0	566.7	51.5
1687.5	589.4	51.5	1727.5	566.7	51.5	1767.5	566.7	51.5	1807.5	566.7	51.5
1688.0	588.8	51.5	1728.0	566.0	51.5	1768.0	567.4	51.5	1808.0	566.7	51.5
1688.5	588.1	51.5	1728.5	566.0	51.5	1768.5	566.7	51.5	1808.5	566.7	51.5
1689.0	588.8	51.5	1729.0	567.4	51.5	1769.0	566.7	51.5	1809.0	566.7	51.5
1689.5	588.8	51.5	1729.5	566.7	51.5	1769.5	567.4	51.5	1809.5	566.0	51.5
1690.0	589.4	51.5	1730.0	566.7	51.5	1770.0	566.7	51.5	1810.0	566.0	51.5
1690.5	572.9	51.5	1730.5	568.1	51.5	1770.5	566.7	51.5	1810.5	566.0	51.5
1691.0	569.5	51.5	1731.0	566.7	51.5	1771.0	566.7	51.5	1811.0	567.4	51.5
1691.5	568.1	51.5	1731.5	566.7	51.5	1771.5	566.0	51.5	1811.5	566.0	51.5
1692.0	568.8	51.5	1732.0	566.0	51.5	1772.0	566.7	51.5	1812.0	566.0	51.5
1692.5	568.8	51.5	1732.5	566.0	51.5	1772.5	566.0	51.5	1812.5	566.7	51.5
1693.0	568.1	51.5	1733.0	566.7	51.5	1773.0	566.0	51.5	1813.0	566.0	51.5
1693.5	568.1	51.5	1733.5	566.7	51.5	1773.5	566.7	51.5	1813.5	566.0	51.5
1694.0	568.8	51.5	1734.0	567.4	51.5	1774.0	566.7	51.5	1814.0	566.7	51.5
1694.5	568.8	51.5	1734.5	567.4	51.5	1774.5	566.0	51.5	1814.5	566.7	51.5
1695.0	569.5	51.5	1735.0	567.4	51.5	1775.0	566.7	51.5	1815.0	567.4	51.5
1695.5	568.1	51.5	1735.5	566.7	51.5	1775.5	566.0	51.5	1815.5	565.3	51.5
1696.0	568.8	51.5	1736.0	566.7	51.5	1776.0	566.7	51.5	1816.0	565.3	51.5
1696.5	568.1	51.5	1736.5	566.7	51.5	1776.5	566.7	51.5	1816.5	566.7	51.5
1697.0	568.1	51.5	1737.0	566.0	51.5	1777.0	566.7	51.5	1817.0	566.7	51.5
1697.5	566.7	51.5	1737.5	566.7	51.5	1777.5	566.7	51.5	1817.5	565.3	51.5
1698.0	568.1	51.5	1738.0	567.4	51.5	1778.0	566.7	51.5	1818.0	566.7	51.5
1698.5	566.7	51.5	1738.5	567.4	51.5	1778.5	565.3	51.5	1818.5	567.4	51.5
1699.0	566.7	51.5	1739.0	566.7	51.5	1779.0	566.7	51.5	1819.0	566.7	51.5
1699.5	567.4	51.5	1739.5	566.7	51.5	1779.5	567.4	51.5	1819.5	566.7	51.5
1700.0	566.7	51.5	1740.0	566.7	51.5	1780.0	566.7	51.5	1820.0	566.7	51.5
1700.5	567.4	51.5	1740.5	566.7	51.5	1780.5	566.7	51.5	1820.5	566.0	51.5
1701.0	567.4	51.5	1741.0	566.7	51.5	1781.0	566.7	51.5	1821.0	566.7	51.5
1701.5	567.4	51.5	1741.5	566.7	51.5	1781.5	565.3	51.5	1821.5	566.0	51.5
1702.0	567.4	51.5	1742.0	566.7	51.5	1782.0	566.7	51.5	1822.0	566.7	51.5
1702.5	566.7	51.5	1742.5	566.7	51.5	1782.5	567.4	51.5	1822.5	566.0	51.5
1703.0	567.4	51.5	1743.0	566.0	51.5	1783.0	566.0	51.5	1823.0	566.0	51.5
1703.5	566.7	51.5	1743.5	566.7	51.5	1783.5	566.7	51.5	1823.5	566.7	51.5
1704.0	566.7	51.5	1744.0	566.7	51.5	1784.0	566.7	51.5	1824.0	567.4	51.5
1704.5	566.7	51.5	1744.5	566.0	51.5	1784.5	566.7	51.5	1824.5	567.4	51.5
1705.0	566.7	51.5	1745.0	565.3	51.5	1785.0	566.7	51.5	1825.0	566.0	51.5
1705.5	566.7	51.5	1745.5	566.7	51.5	1785.5	567.4	51.5	1825.5	566.7	51.5
1706.0	568.1	51.5	1746.0	566.7	51.5	1786.0	567.4	51.5	1826.0	566.0	51.5
1706.5	566.7	51.5	1746.5	566.7	51.5	1786.5	566.0	51.5	1826.5	566.7	51.5
1707.0	567.4	51.5	1747.0	566.0	51.5	1787.0	565.3	51.5	1827.0	566.0	51.5
1707.5	566.7	51.5	1747.5	566.0	51.5	1787.5	566.7	51.5	1827.5	566.0	51.5
1708.0	566.7	51.5	1748.0	566.7	51.5	1788.0	566.0	51.5	1828.0	566.7	51.5
1708.5	566.7	51.5	1748.5	567.4	51.5	1788.5	566.7	51.5	1828.5	566.0	51.5
1709.0	567.4	51.5	1749.0	566.7	51.5	1789.0	567.4	51.5	1829.0	566.0	51.5
1709.5	566.7	51.5	1749.5	567.4	51.5	1789.5	566.7	51.5	1829.5	566.0	51.5
1710.0	566.7	51.5	1750.0	567.4	51.5	1790.0	566.0	51.5	1830.0	565.3	51.5
1710.5	566.7	51.5	1750.5	567.4	51.5	1790.5	566.0	51.5	1830.5	566.0	51.5
1711.0	566.7	51.5	1751.0	566.0	51.5	1791.0	566.0	51.5	1831.0	566.7	51.5
1711.5	566.7	51.5	1751.5	566.0	51.5	1791.5	566.0	51.5	1831.5	566.0	51.5
1712.0	566.7	51.5	1752.0	566.7	51.5	1792.0	566.7	51.5	1832.0	566.7	51.5
1712.5	567.4	51.5	1752.5	566.7	51.5	1792.5	565.3	51.5	1832.5	565.3	51.5
1713.0	566.7	51.5	1753.0	566.7	51.5	1793.0	566.7	51.5	1833.0	566.0	51.5
1713.5	566.0	51.5	1753.5	566.7	51.5	1793.5	567.4	51.5	1833.5	566.7	51.5
1714.0	566.7	51.5	1754.0	566.7	51.5	1794.0	566.0	51.5	1834.0	566.7	51.5
1714.5	566.7	51.5	1754.5	566.7	51.5	1794.5	566.0	51.5	1834.5	566.7	51.5
1715.0	567.4	51.5	1755.0	566.7	51.5	1795.0	565.3	51.5	1835.0	566.0	51.5
1715.5	566.0	51.5	1755.5	567.4	51.5	1795.5	566.7	51.5	1835.5	566.0	51.5

TEST REFERENCE#: 300926AR

FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1836.0	566.7	51.5	1876.0	566.7	51.5	1916.0	486.7	51.0	1956.0	157.1	51.5
1836.5	566.7	51.5	1876.5	566.0	51.5	1916.5	477.1	51.0	1956.5	165.4	51.5
1837.0	566.0	51.5	1877.0	566.7	51.5	1917.0	466.7	51.0	1957.0	169.6	51.5
1837.5	566.7	51.5	1877.5	566.0	51.5	1917.5	461.9	51.0	1957.5	167.5	51.5
1838.0	566.7	51.5	1878.0	566.7	51.5	1918.0	455.0	51.0	1958.0	150.3	51.5
1838.5	566.0	51.5	1878.5	566.7	51.5	1918.5	448.8	51.0	1958.5	157.1	51.5
1839.0	566.0	51.5	1879.0	566.7	51.5	1919.0	442.6	51.0	1959.0	170.2	51.5
1839.5	566.7	51.5	1879.5	565.3	51.5	1919.5	438.5	51.0	1959.5	170.9	51.5
1840.0	566.0	51.5	1880.0	566.0	51.5	1920.0	427.4	51.0	1960.0	132.3	51.5
1840.5	566.0	51.5	1880.5	565.3	51.5	1920.5	414.3	51.0	1960.5	126.1	51.5
1841.0	566.7	51.5	1881.0	566.7	51.5	1921.0	401.2	51.1	1961.0	126.1	51.5
1841.5	566.7	51.5	1881.5	566.7	51.5	1921.5	326.1	51.1	1961.5	130.3	51.5
1842.0	566.7	51.5	1882.0	566.7	51.5	1922.0	285.4	51.2	1962.0	130.3	51.5
1842.5	566.0	51.5	1882.5	566.0	51.5	1922.5	290.2	51.3	1962.5	126.1	51.5
1843.0	566.7	51.5	1883.0	565.3	51.5	1923.0	304.7	51.3	1963.0	130.3	51.5
1843.5	566.7	51.5	1883.5	566.7	51.5	1923.5	324.0	51.4	1963.5	130.3	51.5
1844.0	567.4	51.5	1884.0	566.7	51.5	1924.0	340.5	51.5	1964.0	130.3	51.5
1844.5	566.7	51.5	1884.5	566.0	51.5	1924.5	354.3	51.5	1964.5	131.6	51.4
1845.0	566.0	51.5	1885.0	566.0	51.5	1925.0	374.3	51.5	1965.0	129.6	51.3
1845.5	566.7	51.5	1885.5	566.0	51.5	1925.5	388.1	51.5	1965.5	130.3	51.3
1846.0	566.7	51.5	1886.0	566.7	51.5	1926.0	404.7	51.5	1966.0	133.7	51.2
1846.5	566.7	51.5	1886.5	566.0	51.5	1926.5	419.8	51.5	1966.5	119.9	51.1
1847.0	566.7	51.5	1887.0	566.7	51.5	1927.0	437.8	51.5	1967.0	113.7	51.1
1847.5	566.7	51.5	1887.5	566.0	51.5	1927.5	450.9	51.5	1967.5	113.7	51.0
1848.0	567.4	51.5	1888.0	566.0	51.5	1928.0	465.3	51.5	1968.0	113.7	51.0
1848.5	567.4	51.5	1888.5	566.0	51.5	1928.5	477.8	51.5	1968.5	113.0	51.0
1849.0	566.0	51.5	1889.0	567.4	51.5	1929.0	490.9	51.5	1969.0	114.4	51.0
1849.5	566.0	51.5	1889.5	566.0	51.5	1929.5	502.6	51.5	1969.5	114.4	51.0
1850.0	567.4	51.5	1890.0	566.0	51.5	1930.0	514.3	51.5	1970.0	113.7	51.0
1850.5	566.0	51.5	1890.5	566.0	51.5	1930.5	526.0	51.5	1970.5	113.7	51.0
1851.0	566.7	51.5	1891.0	566.0	51.5	1931.0	538.4	51.5	1971.0	113.7	51.0
1851.5	566.0	51.5	1891.5	566.0	51.5	1931.5	545.3	51.5	1971.5	114.4	51.0
1852.0	566.7	51.5	1892.0	566.7	51.5	1932.0	545.3	51.5	1972.0	114.4	51.0
1852.5	566.7	51.5	1892.5	566.0	51.5	1932.5	541.2	51.5	1972.5	114.4	51.0
1853.0	566.7	51.5	1893.0	566.7	51.5	1933.0	511.5	51.5	1973.0	115.1	51.0
1853.5	566.0	51.5	1893.5	566.7	51.5	1933.5	326.8	51.5	1973.5	113.7	51.0
1854.0	567.4	51.5	1894.0	566.0	51.5	1934.0	276.4	51.5	1974.0	114.4	51.0
1854.5	566.7	51.5	1894.5	566.7	51.5	1934.5	233.0	51.5	1974.5	114.4	51.0
1855.0	566.0	51.5	1895.0	566.0	51.5	1935.0	226.8	51.5	1975.0	114.4	51.0
1855.5	566.0	51.5	1895.5	566.0	51.5	1935.5	217.8	51.5	1975.5	114.4	51.0
1856.0	566.0	51.5	1896.0	565.3	51.5	1936.0	235.1	51.5	1976.0	113.7	51.0
1856.5	566.0	51.5	1896.5	566.7	51.5	1936.5	245.4	51.5	1976.5	115.1	51.0
1857.0	566.0	51.5	1897.0	566.7	51.5	1937.0	250.9	51.5	1977.0	116.5	51.0
1857.5	567.4	51.5	1897.5	566.7	51.5	1937.5	244.0	51.5	1977.5	115.1	51.0
1858.0	566.7	51.5	1898.0	566.7	51.5	1938.0	205.4	51.5	1978.0	115.1	51.0
1858.5	566.0	51.5	1898.5	566.7	51.5	1938.5	212.3	51.5	1978.5	114.4	51.0
1859.0	566.0	51.5	1899.0	566.0	51.5	1939.0	222.0	51.5	1979.0	115.1	51.0
1859.5	566.0	51.5	1899.5	565.3	51.5	1939.5	230.2	51.5	1979.5	113.7	51.0
1860.0	566.7	51.5	1900.0	566.7	51.5	1940.0	241.3	51.5	1980.0	114.4	51.0
1860.5	566.7	51.5	1900.5	566.0	51.4	1940.5	248.2	51.5	1980.5	115.1	51.0
1861.0	567.4	51.5	1901.0	566.7	51.3	1941.0	261.9	51.5	1981.0	115.1	51.0
1861.5	566.7	51.5	1901.5	566.7	51.3	1941.5	275.7	51.5	1981.5	114.4	51.0
1862.0	566.7	51.5	1902.0	566.0	51.2	1942.0	289.5	51.5	1982.0	114.4	51.0
1862.5	566.0	51.5	1902.5	567.4	51.1	1942.5	299.2	51.5	1982.5	114.4	51.0
1863.0	566.0	51.5	1903.0	572.2	51.1	1943.0	308.1	51.5	1983.0	114.4	51.0
1863.5	566.0	51.5	1903.5	556.4	51.0	1943.5	320.6	51.5	1983.5	116.5	51.0
1864.0	566.0	51.5	1904.0	1337.5	51.0	1944.0	328.8	51.5	1984.0	115.1	51.0
1864.5	566.7	51.5	1904.5	830.8	50.9	1944.5	341.9	51.5	1984.5	114.4	51.0
1865.0	566.0	51.5	1905.0	548.1	50.8	1945.0	350.9	51.5	1985.0	115.1	51.1
1865.5	565.3	51.5	1905.5	511.5	50.8	1945.5	351.6	51.5	1985.5	115.1	51.1
1866.0	566.7	51.5	1906.0	497.1	50.7	1946.0	351.6	51.5	1986.0	115.1	51.2
1866.5	566.7	51.5	1906.5	490.9	50.6	1946.5	355.0	51.5	1986.5	114.4	51.3
1867.0	566.0	51.5	1907.0	485.3	50.6	1947.0	363.3	51.5	1987.0	115.1	51.3
1867.5	567.4	51.5	1907.5	484.6	50.5	1947.5	368.8	51.5	1987.5	114.4	51.4
1868.0	567.4	51.5	1908.0	484.6	50.5	1948.0	375.7	51.5	1988.0	116.5	51.5
1868.5	566.0	51.5	1908.5	486.7	50.5	1948.5	379.2	51.5	1988.5	114.4	51.5
1869.0	566.0	51.5	1909.0	488.1	50.6	1949.0	377.8	51.5	1989.0	115.1	51.5
1869.5	566.0	51.5	1909.5	494.3	50.6	1949.5	339.9	51.5	1989.5	115.8	51.5
1870.0	566.7	51.5	1910.0	499.8	50.7	1950.0	204.0	51.5	1990.0	114.4	51.5
1870.5	566.7	51.5	1910.5	501.2	50.8	1950.5	180.6	51.5	1990.5	114.4	51.5
1871.0	566.7	51.5	1911.0	501.2	50.8	1951.0	182.0	51.5	1991.0	115.1	51.5
1871.5	566.0	51.5	1911.5	512.2	50.9	1951.5	192.3	51.5	1991.5	115.1	51.5
1872.0	565.3	51.5	1912.0	521.9	51.0	1952.0	193.7	51.5	1992.0	114.4	51.5
1872.5	566.7	51.5	1912.5	527.4	51.0	1952.5	175.1	51.5	1992.5	114.4	51.5
1873.0	566.7	51.5	1913.0	524.6	51.0	1953.0	183.3	51.5	1993.0	115.8	51.5
1873.5	567.4	51.5	1913.5	524.6	51.0	1953.5	193.7	51.5	1993.5	115.8	51.5
1874.0	566.0	51.5	1914.0	522.6	51.0	1954.0	199.9	51.5	1994.0	115.8	51.5
1874.5	566.0	51.5	1914.5	519.8	51.0	1954.5	204.7	51.5	1994.5	115.8	51.5
1875.0	566.0	51.5	1915.0	508.1	51.0	1955.0	166.8	51.5	1995.0	115.1	51.5
1875.5	566.7	51.5	1915.5	495.7	51.0	1955.5	176.5	51.5	1995.5	115.8	51.5

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1996.0	115.8	51.5	2036.0	116.5	51.5	2076.0	116.5	51.5	2116.0	115.8	51.5
1996.5	115.8	51.5	2036.5	115.8	51.5	2076.5	116.5	51.5	2116.5	115.1	51.5
1997.0	115.8	51.5	2037.0	116.5	51.5	2077.0	115.8	51.5	2117.0	115.8	51.5
1997.5	115.1	51.5	2037.5	115.8	51.5	2077.5	116.5	51.5	2117.5	117.2	51.5
1998.0	115.1	51.5	2038.0	115.8	51.5	2078.0	116.5	51.5	2118.0	116.5	51.5
1998.5	115.1	51.5	2038.5	115.8	51.5	2078.5	116.5	51.5	2118.5	115.8	51.5
1999.0	114.4	51.5	2039.0	115.8	51.5	2079.0	116.5	51.5	2119.0	115.8	51.5
1999.5	115.8	51.5	2039.5	116.5	51.5	2079.5	117.2	51.5	2119.5	115.1	51.5
2000.0	115.1	51.5	2040.0	115.8	51.5	2080.0	116.5	51.5	2120.0	116.5	51.5
2000.5	115.8	51.5	2040.5	115.8	51.5	2080.5	117.2	51.5	2120.5	115.8	51.5
2001.0	115.1	51.5	2041.0	116.5	51.5	2081.0	116.5	51.5	2121.0	116.5	51.5
2001.5	115.1	51.5	2041.5	115.8	51.5	2081.5	116.5	51.5	2121.5	116.5	51.5
2002.0	115.1	51.5	2042.0	117.2	51.5	2082.0	116.5	51.5	2122.0	116.5	51.5
2002.5	115.8	51.5	2042.5	116.5	51.5	2082.5	116.5	51.5	2122.5	115.8	51.5
2003.0	115.1	51.5	2043.0	115.8	51.5	2083.0	117.2	51.5	2123.0	115.8	51.5
2003.5	115.1	51.5	2043.5	116.5	51.5	2083.5	117.8	51.5	2123.5	115.8	51.5
2004.0	115.1	51.5	2044.0	116.5	51.5	2084.0	117.2	51.5	2124.0	116.5	51.5
2004.5	115.8	51.5	2044.5	116.5	51.5	2084.5	117.8	51.5	2124.5	115.8	51.5
2005.0	115.8	51.5	2045.0	115.8	51.5	2085.0	117.2	51.5	2125.0	116.5	51.5
2005.5	114.4	51.5	2045.5	115.8	51.5	2085.5	117.2	51.5	2125.5	116.5	51.5
2006.0	116.5	51.5	2046.0	115.8	51.5	2086.0	117.2	51.5	2126.0	115.8	51.5
2006.5	115.8	51.5	2046.5	116.5	51.5	2086.5	117.8	51.5	2126.5	116.5	51.5
2007.0	115.8	51.5	2047.0	117.2	51.5	2087.0	116.5	51.5	2127.0	116.5	51.5
2007.5	115.8	51.5	2047.5	116.5	51.5	2087.5	117.2	51.5	2127.5	116.5	51.5
2008.0	115.8	51.5	2048.0	116.5	51.5	2088.0	117.8	51.5	2128.0	115.8	51.5
2008.5	115.8	51.5	2048.5	115.8	51.5	2088.5	117.2	51.5	2128.5	116.5	51.5
2009.0	115.8	51.5	2049.0	117.2	51.5	2089.0	117.2	51.6	2129.0	116.5	51.5
2009.5	115.8	51.5	2049.5	115.8	51.5	2089.5	117.2	51.6	2129.5	117.2	51.5
2010.0	115.1	51.5	2050.0	117.2	51.5	2090.0	117.2	51.7	2130.0	115.8	51.5
2010.5	116.5	51.5	2050.5	115.8	51.5	2090.5	117.8	51.8	2130.5	115.8	51.5
2011.0	114.4	51.5	2051.0	117.2	51.5	2091.0	117.8	51.8	2131.0	115.8	51.5
2011.5	115.1	51.5	2051.5	116.5	51.5	2091.5	117.2	51.9	2131.5	115.8	51.5
2012.0	115.1	51.5	2052.0	115.8	51.5	2092.0	115.8	52.0	2132.0	115.8	51.5
2012.5	115.8	51.5	2052.5	117.2	51.5	2092.5	115.8	52.0	2132.5	115.8	51.5
2013.0	115.8	51.5	2053.0	116.5	51.5	2093.0	115.8	52.0	2133.0	116.5	51.5
2013.5	115.8	51.5	2053.5	115.8	51.5	2093.5	114.4	52.0	2133.5	115.8	51.5
2014.0	115.1	51.5	2054.0	116.5	51.5	2094.0	115.1	52.0	2134.0	115.1	51.5
2014.5	115.8	51.5	2054.5	116.5	51.5	2094.5	115.1	52.0	2134.5	115.8	51.5
2015.0	115.1	51.5	2055.0	116.5	51.5	2095.0	115.1	52.0	2135.0	116.5	51.5
2015.5	115.8	51.5	2055.5	116.5	51.5	2095.5	115.8	52.0	2135.5	117.2	51.5
2016.0	116.5	51.5	2056.0	116.5	51.5	2096.0	115.1	52.0	2136.0	115.8	51.5
2016.5	115.8	51.5	2056.5	116.5	51.5	2096.5	115.1	52.0	2136.5	115.1	51.5
2017.0	115.8	51.5	2057.0	117.2	51.5	2097.0	115.8	52.0	2137.0	116.5	51.5
2017.5	115.1	51.5	2057.5	117.2	51.5	2097.5	115.8	52.0	2137.5	115.1	51.5
2018.0	115.8	51.5	2058.0	116.5	51.5	2098.0	115.8	52.0	2138.0	116.5	51.5
2018.5	115.1	51.5	2058.5	116.5	51.5	2098.5	115.8	52.0	2138.5	115.8	51.5
2019.0	115.1	51.5	2059.0	117.2	51.5	2099.0	115.8	52.0	2139.0	116.5	51.5
2019.5	115.8	51.5	2059.5	117.2	51.5	2099.5	115.8	52.0	2139.5	115.8	51.5
2020.0	115.8	51.5	2060.0	116.5	51.5	2100.0	115.8	52.0	2140.0	116.5	51.5
2020.5	116.5	51.5	2060.5	116.5	51.5	2100.5	115.1	52.0	2140.5	116.5	51.5
2021.0	115.8	51.5	2061.0	117.2	51.5	2101.0	115.8	52.0	2141.0	116.5	51.5
2021.5	115.8	51.5	2061.5	116.5	51.5	2101.5	115.8	52.0	2141.5	115.8	51.5
2022.0	115.1	51.5	2062.0	116.5	51.5	2102.0	115.8	52.0	2142.0	116.5	51.5
2022.5	115.8	51.5	2062.5	117.2	51.5	2102.5	115.8	52.0	2142.5	115.8	51.5
2023.0	115.8	51.5	2063.0	115.8	51.5	2103.0	115.8	52.0	2143.0	115.8	51.5
2023.5	115.8	51.5	2063.5	116.5	51.5	2103.5	115.8	52.0	2143.5	116.5	51.5
2024.0	115.8	51.5	2064.0	116.5	51.5	2104.0	115.8	52.0	2144.0	116.5	51.5
2024.5	115.8	51.5	2064.5	117.2	51.5	2104.5	115.8	52.0	2144.5	116.5	51.5
2025.0	115.8	51.5	2065.0	117.2	51.5	2105.0	115.1	52.0	2145.0	116.5	51.5
2025.5	116.5	51.5	2065.5	117.2	51.5	2105.5	115.8	52.0	2145.5	116.5	51.5
2026.0	115.8	51.5	2066.0	117.2	51.5	2106.0	115.1	52.0	2146.0	115.8	51.5
2026.5	115.8	51.5	2066.5	117.2	51.5	2106.5	115.8	52.0	2146.5	116.5	51.5
2027.0	116.5	51.5	2067.0	116.5	51.5	2107.0	115.8	52.0	2147.0	115.8	51.5
2027.5	115.8	51.5	2067.5	116.5	51.5	2107.5	115.8	52.0	2147.5	116.5	51.5
2028.0	116.5	51.5	2068.0	116.5	51.5	2108.0	116.5	52.0	2148.0	115.8	51.5
2028.5	117.2	51.5	2068.5	117.2	51.5	2108.5	115.8	51.9	2148.5	116.5	51.5
2029.0	116.5	51.5	2069.0	117.2	51.5	2109.0	115.8	51.8	2149.0	115.8	51.5
2029.5	115.8	51.5	2069.5	117.8	51.5	2109.5	116.5	51.8	2149.5	116.5	51.5
2030.0	116.5	51.5	2070.0	116.5	51.5	2110.0	115.8	51.7	2150.0	116.5	51.5
2030.5	115.8	51.5	2070.5	116.5	51.5	2110.5	115.8	51.6	2150.5	116.5	51.5
2031.0	115.8	51.5	2071.0	117.2	51.5	2111.0	116.5	51.6	2151.0	117.2	51.5
2031.5	115.8	51.5	2071.5	116.5	51.5	2111.5	116.5	51.5	2151.5	115.8	51.5
2032.0	116.5	51.5	2072.0	117.8	51.5	2112.0	117.2	51.5	2152.0	116.5	51.5
2032.5	115.8	51.5	2072.5	117.2	51.5	2112.5	115.8	51.5	2152.5	116.5	51.5
2033.0	117.2	51.5	2073.0	116.5	51.5	2113.0	115.8	51.5	2153.0	116.5	51.5
2033.5	116.5	51.5	2073.5	117.2	51.5	2113.5	116.5	51.5	2153.5	115.8	51.5
2034.0	115.8	51.5	2074.0	117.2	51.5	2114.0	115.8	51.5	2154.0	116.5	51.5
2034.5	115.8	51.5	2074.5	117.2	51.5	2114.5	116.5	51.5	2154.5	116.5	51.5
2035.0	116.5	51.5	2075.0	116.5	51.5	2115.0	116.5	51.5	2155.0	116.5	51.5
2035.5	115.1	51.5	2075.5	117.2	51.5	2115.5	116.5	51.5	2155.5	115.8	51.5

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2156.0	116.5	51.5	2196.0	114.4	50.5	2236.0	115.8	46.5	2276.0	115.1	42.0
2156.5	116.5	51.5	2196.5	114.4	50.4	2236.5	115.8	46.4	2276.5	115.8	41.9
2157.0	116.5	51.5	2197.0	115.1	50.3	2237.0	116.5	46.3	2277.0	115.8	41.9
2157.5	117.2	51.5	2197.5	115.1	50.3	2237.5	115.1	46.3	2277.5	115.8	41.8
2158.0	115.8	51.5	2198.0	113.7	50.2	2238.0	115.8	46.2	2278.0	116.5	41.7
2158.5	117.2	51.5	2198.5	114.4	50.1	2238.5	115.1	46.2	2278.5	115.8	41.7
2159.0	116.5	51.5	2199.0	113.7	50.1	2239.0	115.1	46.1	2279.0	115.8	41.6
2159.5	116.5	51.5	2199.5	113.7	50.0	2239.5	115.8	46.0	2279.5	115.8	41.5
2160.0	116.5	51.5	2200.0	113.0	50.0	2240.0	115.8	46.0	2280.0	115.8	41.5
2160.5	116.5	51.5	2200.5	113.7	49.9	2240.5	115.1	46.0	2280.5	115.8	41.4
2161.0	116.5	51.5	2201.0	115.1	49.8	2241.0	115.1	46.0	2281.0	115.8	41.4
2161.5	116.5	51.5	2201.5	114.4	49.8	2241.5	115.1	46.0	2281.5	116.5	41.3
2162.0	116.5	51.5	2202.0	113.7	49.7	2242.0	115.1	46.0	2282.0	115.8	41.2
2162.5	117.2	51.5	2202.5	113.7	49.6	2242.5	113.7	46.0	2282.5	115.8	41.2
2163.0	116.5	51.5	2203.0	112.3	49.6	2243.0	114.4	46.0	2283.0	115.8	41.1
2163.5	116.5	51.5	2203.5	112.3	49.5	2243.5	114.4	46.0	2283.5	116.5	41.0
2164.0	116.5	51.5	2204.0	113.0	49.5	2244.0	113.7	46.0	2284.0	117.2	41.0
2164.5	116.5	51.5	2204.5	112.3	49.3	2244.5	114.4	45.9	2284.5	116.5	40.9
2165.0	117.2	51.5	2205.0	113.0	49.2	2245.0	114.4	45.8	2285.0	116.5	40.9
2165.5	116.5	51.5	2205.5	113.7	49.1	2245.5	115.1	45.8	2285.5	116.5	40.8
2166.0	116.5	51.5	2206.0	112.3	49.0	2246.0	115.8	45.7	2286.0	116.5	40.7
2166.5	116.5	51.5	2206.5	113.0	48.8	2246.5	115.8	45.7	2286.5	115.8	40.7
2167.0	116.5	51.5	2207.0	113.0	48.7	2247.0	115.8	45.6	2287.0	116.5	40.6
2167.5	116.5	51.5	2207.5	112.3	48.6	2247.5	115.8	45.5	2287.5	116.5	40.5
2168.0	115.8	51.5	2208.0	113.0	48.5	2248.0	116.5	45.5	2288.0	116.5	40.5
2168.5	117.2	51.5	2208.5	113.0	48.4	2248.5	115.8	45.4	2288.5	117.2	40.4
2169.0	116.5	51.5	2209.0	113.0	48.3	2249.0	115.8	45.3	2289.0	116.5	40.2
2169.5	115.8	51.5	2209.5	112.3	48.3	2249.5	115.1	45.3	2289.5	117.2	40.1
2170.0	117.2	51.5	2210.0	112.3	48.2	2250.0	114.4	45.2	2290.0	117.2	40.0
2170.5	116.5	51.5	2210.5	111.6	48.2	2250.5	115.1	45.2	2290.5	117.2	39.9
2171.0	116.5	51.5	2211.0	111.6	48.1	2251.0	114.4	45.1	2291.0	117.2	39.7
2171.5	116.5	51.5	2211.5	113.0	48.0	2251.5	115.8	45.0	2291.5	117.2	39.6
2172.0	116.5	51.5	2212.0	111.6	48.0	2252.0	113.7	45.0	2292.0	116.5	39.5
2172.5	116.5	51.5	2212.5	111.6	48.0	2252.5	115.1	44.9	2292.5	117.2	39.4
2173.0	116.5	51.5	2213.0	113.0	48.0	2253.0	115.1	44.8	2293.0	117.2	39.4
2173.5	116.5	51.5	2213.5	111.6	48.0	2253.5	115.1	44.8	2293.5	116.5	39.3
2174.0	116.5	51.5	2214.0	111.6	48.0	2254.0	115.8	44.7	2294.0	117.2	39.2
2174.5	116.5	51.5	2214.5	111.6	48.0	2254.5	115.8	44.7	2294.5	116.5	39.2
2175.0	116.5	51.5	2215.0	113.0	48.0	2255.0	115.1	44.6	2295.0	117.2	39.1
2175.5	116.5	51.5	2215.5	113.0	48.0	2255.5	115.1	44.5	2295.5	117.2	39.1
2176.0	116.5	51.5	2216.0	111.6	48.0	2256.0	115.1	44.5	2296.0	117.2	39.0
2176.5	116.5	51.5	2216.5	113.0	47.9	2256.5	115.8	44.4	2296.5	117.2	38.9
2177.0	116.5	51.5	2217.0	112.3	47.8	2257.0	114.4	44.3	2297.0	116.5	38.9
2177.5	115.8	51.5	2217.5	111.6	47.8	2257.5	114.4	44.3	2297.5	117.2	38.8
2178.0	116.5	51.5	2218.0	113.0	47.7	2258.0	113.7	44.2	2298.0	117.2	38.7
2178.5	117.2	51.5	2218.5	113.7	47.7	2258.5	115.8	44.2	2298.5	116.5	38.7
2179.0	116.5	51.5	2219.0	113.0	47.6	2259.0	115.8	44.1	2299.0	116.5	38.6
2179.5	115.8	51.5	2219.5	112.3	47.5	2259.5	115.1	44.0	2299.5	116.5	38.6
2180.0	117.2	51.5	2220.0	114.4	47.5	2260.0	115.1	44.0	2300.0	116.5	38.5
2180.5	116.5	51.5	2220.5	115.1	47.4	2260.5	115.1	43.9	2300.5	116.5	38.4
2181.0	115.8	51.5	2221.0	113.0	47.3	2261.0	115.1	43.8	2301.0	117.2	38.4
2181.5	116.5	51.5	2221.5	114.4	47.3	2261.5	114.4	43.8	2301.5	116.5	38.3
2182.0	115.8	51.5	2222.0	112.3	47.2	2262.0	114.4	43.7	2302.0	117.2	38.3
2182.5	116.5	51.5	2222.5	114.4	47.2	2262.5	114.4	43.7	2302.5	116.5	38.2
2183.0	115.1	51.5	2223.0	114.4	47.1	2263.0	115.8	43.6	2303.0	116.5	38.1
2183.5	115.8	51.5	2223.5	113.7	47.0	2263.5	115.8	43.5	2303.5	116.5	38.1
2184.0	115.1	51.5	2224.0	113.7	47.0	2264.0	115.1	43.5	2304.0	116.5	38.0
2184.5	115.1	51.4	2224.5	113.7	47.0	2264.5	115.1	43.4	2304.5	117.2	37.9
2185.0	115.8	51.3	2225.0	114.4	47.0	2265.0	115.8	43.4	2305.0	117.2	37.9
2185.5	115.1	51.3	2225.5	113.7	47.0	2265.5	115.8	43.3	2305.5	117.2	37.8
2186.0	114.4	51.2	2226.0	114.4	47.0	2266.0	113.7	43.2	2306.0	117.8	37.8
2186.5	115.8	51.1	2226.5	114.4	47.0	2266.5	115.8	43.2	2306.5	117.2	37.7
2187.0	114.4	51.1	2227.0	114.4	47.0	2267.0	115.1	43.1	2307.0	117.2	37.6
2187.5	115.1	51.0	2227.5	114.4	47.0	2267.5	115.1	43.0	2307.5	117.2	37.6
2188.0	115.1	51.0	2228.0	115.1	47.0	2268.0	115.1	43.0	2308.0	117.2	37.5
2188.5	114.4	51.0	2228.5	114.4	46.9	2268.5	115.1	42.9	2308.5	116.5	37.5
2189.0	114.4	51.0	2229.0	113.7	46.8	2269.0	115.1	42.9	2309.0	117.2	37.4
2189.5	115.1	51.0	2229.5	114.4	46.8	2269.5	115.1	42.8	2309.5	116.5	37.3
2190.0	113.7	51.0	2230.0	113.7	46.7	2270.0	115.1	42.7	2310.0	117.2	37.3
2190.5	114.4	51.0	2230.5	114.4	46.7	2270.5	115.1	42.7	2310.5	116.5	37.2
2191.0	113.0	51.0	2231.0	115.8	46.6	2271.0	115.1	42.6	2311.0	117.2	37.1
2191.5	114.4	51.0	2231.5	115.8	46.5	2271.5	115.1	42.5	2311.5	116.5	37.1
2192.0	113.7	51.0	2232.0	116.5	46.5	2272.0	115.8	42.5	2312.0	116.5	37.0
2192.5	113.7	50.9	2232.5	115.8	46.5	2272.5	115.8	42.4	2312.5	116.5	37.0
2193.0	113.7	50.8	2233.0	116.5	46.5	2273.0	115.1	42.4	2313.0	116.5	36.9
2193.5	113.7	50.8	2233.5	117.2	46.5	2273.5	115.8	42.3	2313.5	117.2	36.8
2194.0	114.4	50.7	2234.0	117.2	46.5	2274.0	115.1	42.2	2314.0	116.5	36.8
2194.5	115.1	50.6	2234.5	115.8	46.5	2274.5	116.5	42.2	2314.5	117.2	36.7
2195.0	114.4	50.6	2235.0	116.5	46.5	2275.0	115.8	42.1	2315.0	116.5	36.7
2195.5	114.4	50.5	2235.5	117.2	46.5	2275.5	115.8	42.0	2315.5	115.8	36.6

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2316.0	116.5	36.5	2356.0	115.1	32.1	2396.0	111.6	28.1	2436.0	108.9	22.7
2316.5	116.5	36.5	2356.5	115.1	32.1	2396.5	111.0	28.1	2436.5	108.9	22.6
2317.0	117.2	36.4	2357.0	115.1	32.1	2397.0	111.0	28.0	2437.0	109.6	22.6
2317.5	115.8	36.3	2357.5	115.1	32.1	2397.5	111.0	27.9	2437.5	108.9	22.5
2318.0	115.8	36.3	2358.0	115.1	32.1	2398.0	111.0	27.9	2438.0	108.9	22.5
2318.5	116.5	36.2	2358.5	114.4	32.1	2398.5	113.0	27.8	2438.5	108.9	22.4
2319.0	117.2	36.2	2359.0	113.0	32.1	2399.0	111.0	27.8	2439.0	108.9	22.3
2319.5	116.5	36.1	2359.5	114.4	32.1	2399.5	111.0	27.7	2439.5	108.9	22.3
2320.0	115.8	36.0	2360.0	115.1	32.1	2400.0	111.6	27.6	2440.0	108.9	22.2
2320.5	115.8	36.0	2360.5	115.1	32.0	2400.5	111.0	27.5	2440.5	109.6	22.1
2321.0	115.8	35.9	2361.0	113.7	32.0	2401.0	111.0	27.4	2441.0	108.2	22.1
2321.5	116.5	35.8	2361.5	115.8	31.9	2401.5	111.0	27.3	2441.5	108.9	22.0
2322.0	116.5	35.8	2362.0	114.4	31.8	2402.0	110.3	27.1	2442.0	108.9	22.0
2322.5	116.5	35.7	2362.5	114.4	31.8	2402.5	110.3	27.0	2442.5	108.2	21.9
2323.0	115.8	35.7	2363.0	115.8	31.7	2403.0	110.3	26.9	2443.0	108.9	21.8
2323.5	115.8	35.6	2363.5	113.7	31.7	2403.5	110.3	26.8	2443.5	108.2	21.8
2324.0	115.8	35.5	2364.0	113.7	31.6	2404.0	110.3	26.7	2444.0	108.2	21.7
2324.5	115.8	35.5	2364.5	114.4	31.5	2404.5	111.0	26.6	2444.5	108.9	21.6
2325.0	115.8	35.4	2365.0	115.1	31.5	2405.0	111.0	26.5	2445.0	108.9	21.6
2325.5	117.2	35.4	2365.5	114.4	31.4	2405.5	110.3	26.5	2445.5	108.9	21.5
2326.0	116.5	35.3	2366.0	113.7	31.3	2406.0	109.6	26.4	2446.0	108.9	21.5
2326.5	117.2	35.2	2366.5	114.4	31.3	2406.5	110.3	26.3	2446.5	108.2	21.4
2327.0	116.5	35.2	2367.0	113.7	31.2	2407.0	109.6	26.3	2447.0	108.2	21.3
2327.5	117.2	35.1	2367.5	114.4	31.2	2407.5	109.6	26.2	2447.5	108.2	21.3
2328.0	116.5	35.0	2368.0	114.4	31.1	2408.0	111.0	26.2	2448.0	108.2	21.2
2328.5	116.5	35.0	2368.5	113.7	31.0	2408.5	109.6	26.1	2448.5	108.2	21.2
2329.0	115.8	34.9	2369.0	113.7	31.0	2409.0	111.0	26.0	2449.0	108.9	21.1
2329.5	116.5	34.9	2369.5	114.4	30.9	2409.5	111.0	26.0	2449.5	109.6	21.0
2330.0	117.2	34.8	2370.0	114.4	30.8	2410.0	111.0	25.9	2450.0	108.2	21.0
2330.5	115.8	34.7	2370.5	115.1	30.8	2410.5	111.0	25.8	2450.5	108.2	20.9
2331.0	116.5	34.7	2371.0	113.7	30.7	2411.0	110.3	25.8	2451.0	109.6	20.8
2331.5	117.2	34.6	2371.5	114.4	30.7	2411.5	111.0	25.7	2451.5	108.9	20.8
2332.0	117.2	34.6	2372.0	113.7	30.6	2412.0	110.3	25.7	2452.0	108.9	20.7
2332.5	116.5	34.5	2372.5	115.1	30.5	2412.5	111.0	25.6	2452.5	109.6	20.7
2333.0	115.8	34.4	2373.0	114.4	30.5	2413.0	109.6	25.5	2453.0	108.9	20.7
2333.5	116.5	34.4	2373.5	113.0	30.4	2413.5	108.9	25.5	2453.5	107.5	20.7
2334.0	115.8	34.3	2374.0	113.0	30.4	2414.0	109.6	25.4	2454.0	107.5	20.7
2334.5	115.8	34.2	2374.5	113.7	30.3	2414.5	109.6	25.4	2454.5	108.9	20.7
2335.0	115.8	34.2	2375.0	113.0	30.2	2415.0	109.6	25.3	2455.0	108.9	20.7
2335.5	116.5	34.1	2375.5	113.0	30.2	2415.5	108.9	25.2	2455.5	108.9	20.7
2336.0	115.8	34.1	2376.0	113.7	30.1	2416.0	109.6	25.2	2456.0	107.5	20.7
2336.5	116.5	34.0	2376.5	113.0	30.1	2416.5	108.9	25.1	2456.5	107.5	20.7
2337.0	116.5	33.9	2377.0	113.0	30.1	2417.0	109.6	25.0	2457.0	108.9	20.6
2337.5	115.8	33.9	2377.5	112.3	30.1	2417.5	108.9	25.0	2457.5	108.9	20.5
2338.0	115.1	33.8	2378.0	112.3	30.1	2418.0	108.9	24.9	2458.0	108.2	20.5
2338.5	115.8	33.7	2378.5	111.6	30.1	2418.5	108.9	24.9	2458.5	108.9	20.4
2339.0	115.8	33.7	2379.0	112.3	30.1	2419.0	109.6	24.8	2459.0	108.2	20.4
2339.5	115.1	33.6	2379.5	113.0	30.1	2419.5	109.6	24.7	2459.5	108.2	20.3
2340.0	116.5	33.6	2380.0	112.3	30.1	2420.0	109.6	24.7	2460.0	108.2	20.2
2340.5	115.8	33.5	2380.5	112.3	30.0	2420.5	108.9	24.6	2460.5	108.2	20.2
2341.0	115.1	33.4	2381.0	113.0	30.0	2421.0	108.9	24.6	2461.0	108.9	20.1
2341.5	115.1	33.4	2381.5	112.3	29.9	2421.5	108.9	24.5	2461.5	108.2	20.0
2342.0	114.4	33.3	2382.0	112.3	29.9	2422.0	109.6	24.4	2462.0	107.5	20.0
2342.5	115.1	33.3	2382.5	112.3	29.8	2422.5	109.6	24.4	2462.5	108.2	19.9
2343.0	115.1	33.2	2383.0	112.3	29.7	2423.0	108.9	24.3	2463.0	107.5	19.9
2343.5	115.1	33.1	2383.5	111.0	29.7	2423.5	109.6	24.2	2463.5	108.2	19.8
2344.0	114.4	33.1	2384.0	111.0	29.6	2424.0	109.6	24.2	2464.0	108.2	19.7
2344.5	115.1	33.1	2384.5	112.3	29.6	2424.5	109.6	24.1	2464.5	108.2	19.7
2345.0	115.8	33.1	2385.0	111.6	29.5	2425.0	109.6	24.1	2465.0	108.2	19.6
2345.5	114.4	33.1	2385.5	111.0	29.4	2425.5	108.9	24.0	2465.5	108.9	19.6
2346.0	114.4	33.1	2386.0	111.6	29.4	2426.0	108.9	23.9	2466.0	108.2	19.5
2346.5	114.4	33.1	2386.5	111.0	29.3	2426.5	109.6	23.9	2466.5	108.9	19.4
2347.0	114.4	33.1	2387.0	113.0	29.2	2427.0	108.9	23.8	2467.0	108.9	19.4
2347.5	115.8	33.1	2387.5	111.6	29.2	2427.5	108.9	23.7	2467.5	108.9	19.3
2348.0	115.1	33.1	2388.0	111.0	29.1	2428.0	108.9	23.7	2468.0	107.5	19.2
2348.5	115.1	33.0	2388.5	111.0	29.1	2428.5	108.9	23.6	2468.5	107.5	19.2
2349.0	115.1	32.9	2389.0	112.3	29.0	2429.0	108.9	23.6	2469.0	108.2	19.1
2349.5	115.1	32.9	2389.5	112.3	28.9	2429.5	108.9	23.5	2469.5	107.5	19.1
2350.0	115.1	32.8	2390.0	113.0	28.9	2430.0	108.9	23.4	2470.0	108.2	19.0
2350.5	115.1	32.8	2390.5	111.6	28.8	2430.5	110.3	23.4	2470.5	108.2	18.9
2351.0	114.4	32.7	2391.0	112.3	28.7	2431.0	109.6	23.3	2471.0	107.5	18.9
2351.5	113.7	32.6	2391.5	111.6	28.7	2431.5	109.6	23.3	2471.5	108.2	18.8
2352.0	115.8	32.6	2392.0	111.6	28.6	2432.0	109.6	23.2	2472.0	108.2	18.7
2352.5	115.8	32.5	2392.5	111.6	28.6	2432.5	108.9	23.1	2472.5	106.8	18.7
2353.0	115.8	32.5	2393.0	111.6	28.5	2433.0	109.6	23.1	2473.0	107.5	18.6
2353.5	115.8	32.4	2393.5	111.0	28.4	2433.5	109.6	23.0	2473.5	106.8	18.6
2354.0	115.8	32.3	2394.0	111.0	28.4	2434.0	108.9	22.9	2474.0	106.8	18.5
2354.5	115.1	32.3	2394.5	111.0	28.3	2434.5	108.9	22.9	2474.5	107.5	18.4
2355.0	115.1	32.2	2395.0	111.6	28.3	2435.0	108.9	22.8	2475.0	106.8	18.4
2355.5	114.4	32.1	2395.5	111.0	28.2	2435.5	108.9	22.8	2475.5	107.5	18.3

TEST REFERENCE#: 300926AR

FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2476.0	105.4	18.3	2516.0	106.8	15.3	2556.0	104.1	15.3	2596.0	103.4	14.8
2476.5	107.5	18.2	2516.5	105.4	15.3	2556.5	104.7	15.2	2596.5	106.8	14.8
2477.0	106.8	18.1	2517.0	106.8	15.3	2557.0	105.4	15.2	2597.0	105.4	14.8
2477.5	106.1	18.1	2517.5	106.8	15.3	2557.5	105.4	15.1	2597.5	106.1	14.8
2478.0	106.1	18.0	2518.0	104.7	15.3	2558.0	106.1	15.0	2598.0	106.1	14.8
2478.5	106.1	17.9	2518.5	106.8	15.3	2558.5	106.8	15.0	2598.5	106.1	14.8
2479.0	105.4	17.9	2519.0	107.5	15.3	2559.0	106.1	14.9	2599.0	105.4	14.8
2479.5	106.1	17.8	2519.5	106.8	15.3	2559.5	106.8	14.9	2599.5	105.4	14.8
2480.0	106.1	17.8	2520.0	106.8	15.3	2560.0	106.8	14.8	2600.0	103.4	14.8
2480.5	106.1	17.7	2520.5	104.7	15.3	2560.5	106.1	14.8	2600.5	102.7	14.6
2481.0	104.1	17.6	2521.0	105.4	15.3	2561.0	106.1	14.8	2601.0	102.7	14.4
2481.5	104.1	17.6	2521.5	105.4	15.3	2561.5	106.8	14.8	2601.5	102.7	14.2
2482.0	104.7	17.5	2522.0	106.8	15.3	2562.0	106.8	14.8	2602.0	100.6	14.1
2482.5	106.8	17.5	2522.5	107.5	15.3	2562.5	106.8	14.8	2602.5	99.2	13.9
2483.0	106.8	17.4	2523.0	105.4	15.3	2563.0	106.1	14.8	2603.0	96.5	13.7
2483.5	108.2	17.3	2523.5	107.5	15.3	2563.5	106.8	14.8	2603.5	92.3	13.5
2484.0	106.8	17.3	2524.0	105.4	15.3	2564.0	106.1	14.8	2604.0	89.6	13.3
2484.5	106.8	17.3	2524.5	105.4	15.3	2564.5	107.5	14.8	2604.5	89.6	13.3
2485.0	106.1	17.3	2525.0	105.4	15.3	2565.0	106.8	14.8			
2485.5	106.8	17.3	2525.5	105.4	15.3	2565.5	107.5	14.8			
2486.0	106.8	17.3	2526.0	105.4	15.3	2566.0	106.8	14.8			
2486.5	107.5	17.3	2526.5	105.4	15.3	2566.5	106.8	14.8			
2487.0	106.8	17.3	2527.0	104.7	15.3	2567.0	106.8	14.8			
2487.5	107.5	17.3	2527.5	106.8	15.3	2567.5	106.8	14.8			
2488.0	107.5	17.3	2528.0	105.4	15.3	2568.0	108.2	14.8			
2488.5	108.2	17.2	2528.5	105.4	15.3	2568.5	107.5	14.8			
2489.0	108.2	17.1	2529.0	105.4	15.3	2569.0	106.8	14.8			
2489.5	108.2	17.1	2529.5	105.4	15.3	2569.5	106.8	14.8			
2490.0	107.5	17.0	2530.0	106.8	15.3	2570.0	106.1	14.8			
2490.5	106.8	17.0	2530.5	105.4	15.3	2570.5	106.8	14.8			
2491.0	106.8	16.9	2531.0	106.8	15.3	2571.0	107.5	14.8			
2491.5	107.5	16.8	2531.5	105.4	15.3	2571.5	107.5	14.8			
2492.0	106.8	16.8	2532.0	106.8	15.3	2572.0	106.1	14.8			
2492.5	107.5	16.7	2532.5	105.4	15.3	2572.5	107.5	14.8			
2493.0	107.5	16.6	2533.0	105.4	15.3	2573.0	106.8	14.8			
2493.5	106.8	16.6	2533.5	104.7	15.3	2573.5	105.4	14.8			
2494.0	107.5	16.5	2534.0	105.4	15.3	2574.0	106.1	14.8			
2494.5	108.2	16.5	2534.5	104.7	15.3	2574.5	107.5	14.8			
2495.0	106.1	16.4	2535.0	104.7	15.3	2575.0	106.1	14.8			
2495.5	106.8	16.3	2535.5	104.7	15.3	2575.5	107.5	14.8			
2496.0	106.8	16.3	2536.0	104.7	15.3	2576.0	108.2	14.8			
2496.5	107.5	16.3	2536.5	105.4	15.3	2576.5	106.1	14.8			
2497.0	107.5	16.3	2537.0	105.4	15.3	2577.0	106.8	14.8			
2497.5	106.8	16.3	2537.5	104.7	15.3	2577.5	106.8	14.8			
2498.0	107.5	16.3	2538.0	104.7	15.3	2578.0	107.5	14.8			
2498.5	107.5	16.3	2538.5	105.4	15.3	2578.5	107.5	14.8			
2499.0	107.5	16.3	2539.0	104.7	15.3	2579.0	106.1	14.8			
2499.5	105.4	16.3	2539.5	105.4	15.3	2579.5	105.4	14.8			
2500.0	108.2	16.3	2540.0	104.1	15.3	2580.0	106.1	14.8			
2500.5	106.1	16.2	2540.5	105.4	15.3	2580.5	106.1	14.8			
2501.0	106.1	16.2	2541.0	104.7	15.3	2581.0	106.8	14.8			
2501.5	106.1	16.1	2541.5	105.4	15.3	2581.5	107.5	14.8			
2502.0	106.1	16.0	2542.0	104.7	15.3	2582.0	106.8	14.8			
2502.5	106.8	16.0	2542.5	104.7	15.3	2582.5	104.1	14.8			
2503.0	106.8	15.9	2543.0	104.7	15.3	2583.0	105.4	14.8			
2503.5	106.8	15.8	2543.5	106.8	15.3	2583.5	106.1	14.8			
2504.0	106.1	15.8	2544.0	106.8	15.3	2584.0	105.4	14.8			
2504.5	106.8	15.8	2544.5	105.4	15.3	2584.5	106.8	14.8			
2505.0	106.8	15.8	2545.0	104.7	15.3	2585.0	105.4	14.8			
2505.5	106.1	15.8	2545.5	106.8	15.3	2585.5	106.1	14.8			
2506.0	106.1	15.8	2546.0	104.1	15.3	2586.0	105.4	14.8			
2506.5	106.1	15.8	2546.5	104.7	15.3	2586.5	106.1	14.8			
2507.0	106.1	15.8	2547.0	104.7	15.3	2587.0	106.1	14.8			
2507.5	106.1	15.8	2547.5	104.7	15.3	2587.5	106.1	14.8			
2508.0	106.8	15.8	2548.0	106.8	15.3	2588.0	106.1	14.8			
2508.5	106.8	15.8	2548.5	104.1	15.3	2588.5	105.4	14.8			
2509.0	106.8	15.8	2549.0	104.7	15.3	2589.0	106.1	14.8			
2509.5	106.1	15.8	2549.5	104.7	15.3	2589.5	106.1	14.8			
2510.0	105.4	15.8	2550.0	104.1	15.3	2590.0	105.4	14.8			
2510.5	105.4	15.8	2550.5	105.4	15.3	2590.5	106.8	14.8			
2511.0	105.4	15.8	2551.0	105.4	15.3	2591.0	105.4	14.8			
2511.5	104.7	15.8	2551.5	105.4	15.3	2591.5	106.1	14.8			
2512.0	106.8	15.8	2552.0	105.4	15.3	2592.0	106.1	14.8			
2512.5	106.1	15.7	2552.5	105.4	15.3	2592.5	106.1	14.8			
2513.0	106.1	15.7	2553.0	104.7	15.3	2593.0	106.8	14.8			
2513.5	106.8	15.6	2553.5	105.4	15.3	2593.5	105.4	14.8			
2514.0	105.4	15.5	2554.0	105.4	15.3	2594.0	106.1	14.8			
2514.5	106.1	15.5	2554.5	104.7	15.3	2594.5	106.1	14.8			
2515.0	106.1	15.4	2555.0	105.4	15.3	2595.0	105.4	14.8			
2515.5	106.1	15.4	2555.5	105.4	15.3	2595.5	106.8	14.8			

**C) DST #1 SLAVE POINT 1370-1396 M
TEST ANALYSES**

Schlumberger

Schlumberger of Canada
Testing/Production ServicesTest Date : 05-FEB-1990
Location : E-02
DST # : ONE

LEVEL II DST INTERPRETATION REPORT

for

PETRO CANADA INCORPORATED

Well: PCI SWEDE E-02

DST# ONE: SLAVE POINT - 1370.00 m/1396.0 m

*****Test Reference Number 300926AI*****

TEST RESULTS

RESERVOIR PRESSURE	:	9840.0 kPa
RESERVOIR TEMPERATURE	:	54.000 DegC
PRODUCTION RATE	:	470.0 m**3/D
NET PIPE RECOVERY	:	4m OF DRILLING FLUID.
	:	MUD RECOVERY WAS UNLOADED DURING THIRD FLOW.
	:	

INTERPRETATION RESULTS

MODEL OF BEHAVIOR	Homogeneous
ANALYSIS FLUID TYPE	Gas
EFFECTIVE PERMEABILITY	0.16526 md
TRANSMISSIBILITY	105.54 md.m/mPa.s
SKIN FACTOR/DAMAGE RATIO.....	49.717/8.1
NET THICKNESS	8.0000 m
RADIUS OF INVESTIGATION	24.6 m
DISTANCE TO AN ANOMALY	

FLUID/FORMATION PROPERTIES

GAS GRAVITY	0.65000
VISCOSITY	0.01253 mPa*s
WATER CUT	
TOTAL COMPRESSIBILITY ...	1.5649E-04 1/kPa
POROSITY	0.06000
WATER SATURATION	0.20000

COMMENTS

This was a mechanically successful test of the Slave Point formation from 1370 - 1394 mKB. An analysis of the second shutin period was completed using pseudo pressures.

Interpretation of the log derivative diagnostic plot suggests that infinite acting radial flow occurred from delta t = 2.8 to 4.2 hours.

The generalized Horner analysis yields a permeability of 0.3455 md, kh= 2.764 md-m, a skin of 107.24 and extrapolated reservoir pressure of 9866.52 kPa.

Type curve analysis yields a permeability of 0.165 md, a skin of 49.72 and extrapolated reservoir pressure of 9840.0 kPa. ^{170.2}There are no reservoir anomalies identified and the reservoir is considered to be homogeneous.

Flow rate data is questionable, a constant flow rate of 470 m**3/D was used to calculate the above answers.

If you require any additional information please contact Brian Jordan at 231-9625.

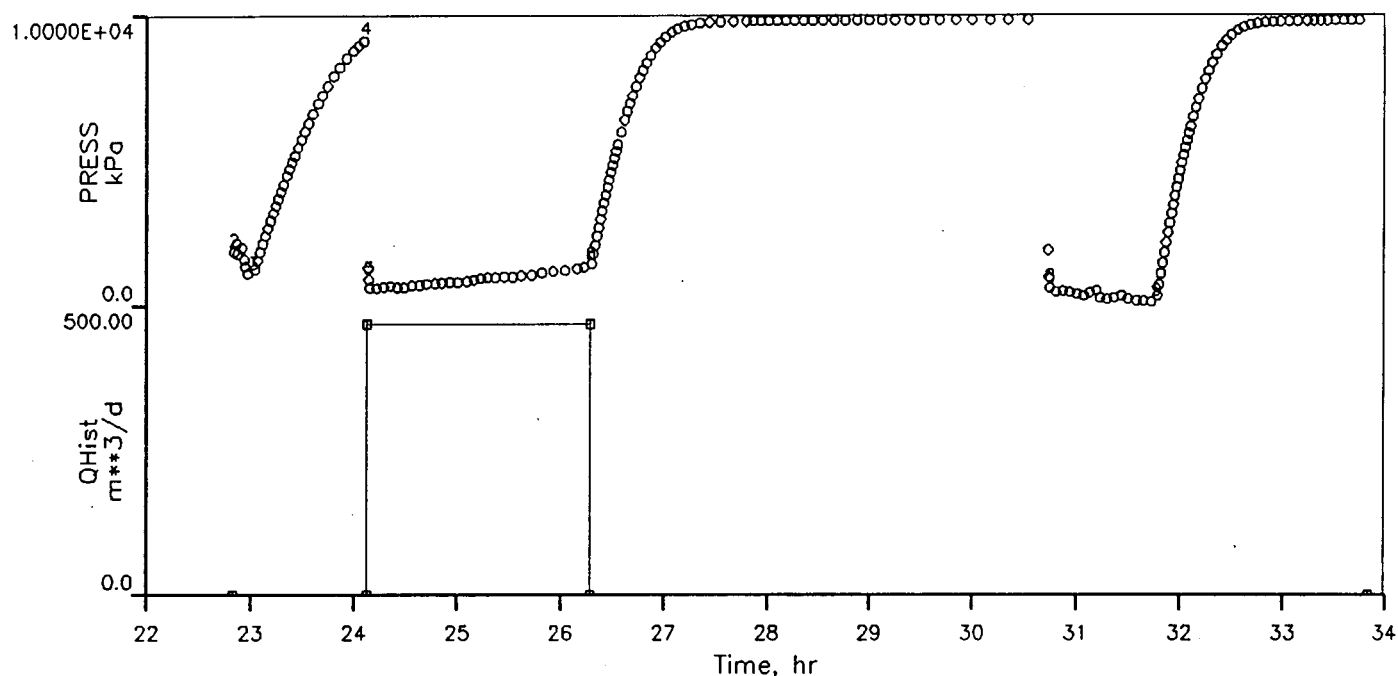
Schlumberger

Schlumberger of Canada
Testing/Production Services

DATA SUMMARY

Test Date : 05-FEB-1990
Location : E-02
DST # : ONE

PRESSURE/FLOWRATE HISTORY



SEQUENCE OF EVENTS

EVENT NO.	DATE	TIME (HR: MIN)	DESCRIPTION	ELAPSED TIME (HR: MIN)	BHP	WHP
1	05-FEB	22:42	HYDROSTATIC MUD	21:55	1.0404E+05	0.0
2	05-FEB	23:38	START FLOW	22:51	1.2887E+04	0.0
3	05-FEB	23:49	END FLOW & START SHUT-IN	23:01	7477.57	0.0
4	06-FEB	00:54	END SHUT-IN	24:07	5.3167E+04	0.0
5	06-FEB	00:56	START FLOW	24:08	6455.56	0.0
6	06-FEB	03:05	END FLOW & START SHUT-IN	26:17	9645.28	0.0
7	06-FEB	07:29	END SHUT-IN	30:42	5.7741E+04	0.0
8	06-FEB	07:32	START FLOW	30:45	4401.89	0.0
9	06-FEB	08:34	END FLOW & START SHUT-IN	31:46	1140.88	0.0
10	06-FEB	10:37	END SHUT-IN	33:50	5.7569E+04	0.0
11	06-FEB	11:02	HYDROSTATIC MUD	34:15	1.0357E+05	0.0

SUMMARY OF FLOW PERIODS

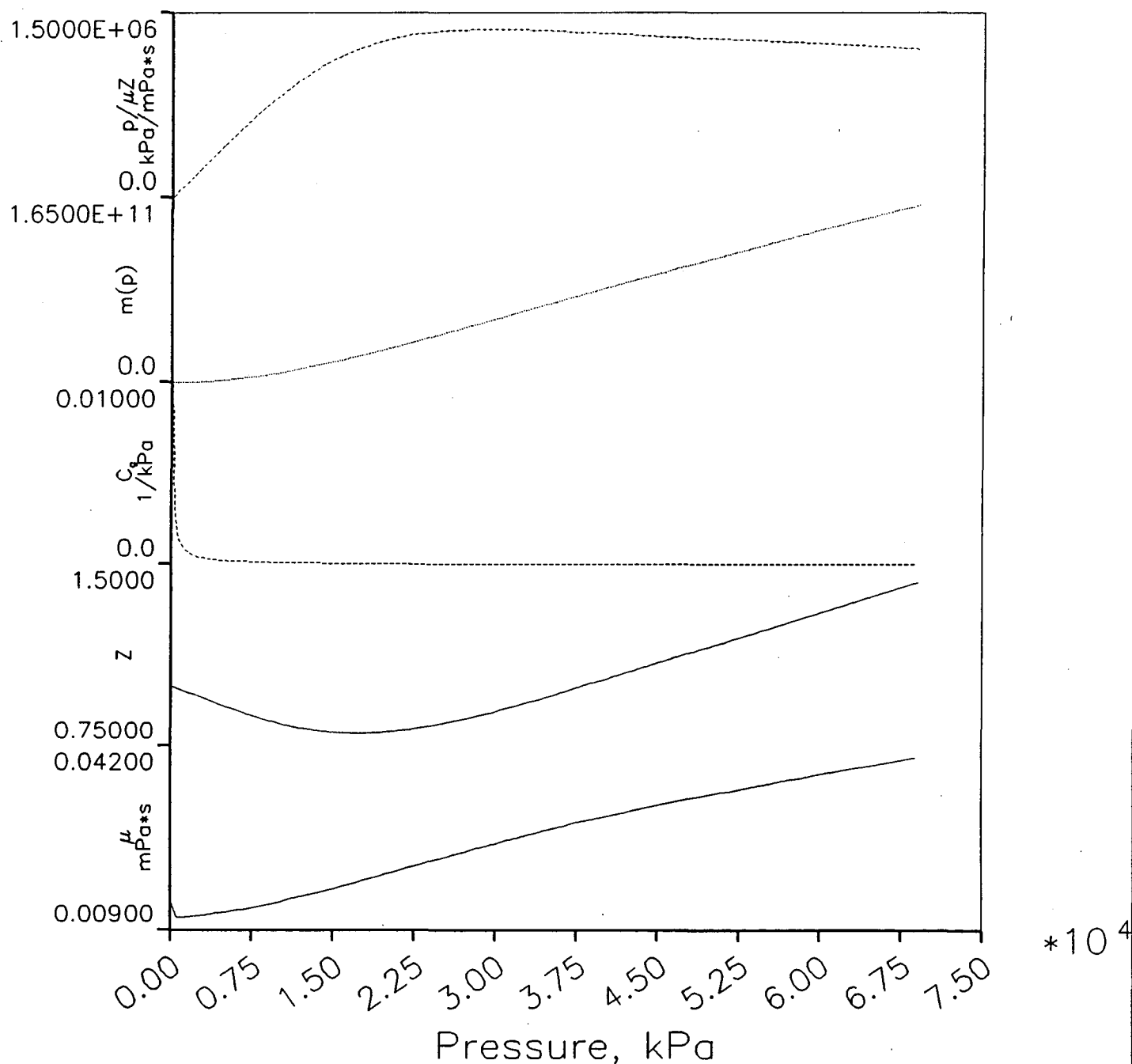
PERIOD	DURATION (HR: MIN)	PRESSURE		Gas FLOWRATE m**3/D	CHOKE SIZE (INCHES)
		START	STOP		
# 3, DD	2:10	9156.24	1398.95	470.00	
# 4, BU	4:26	1398.95	9814.69	0.0	

SUMMARY of GAS PVT PROPERTIES

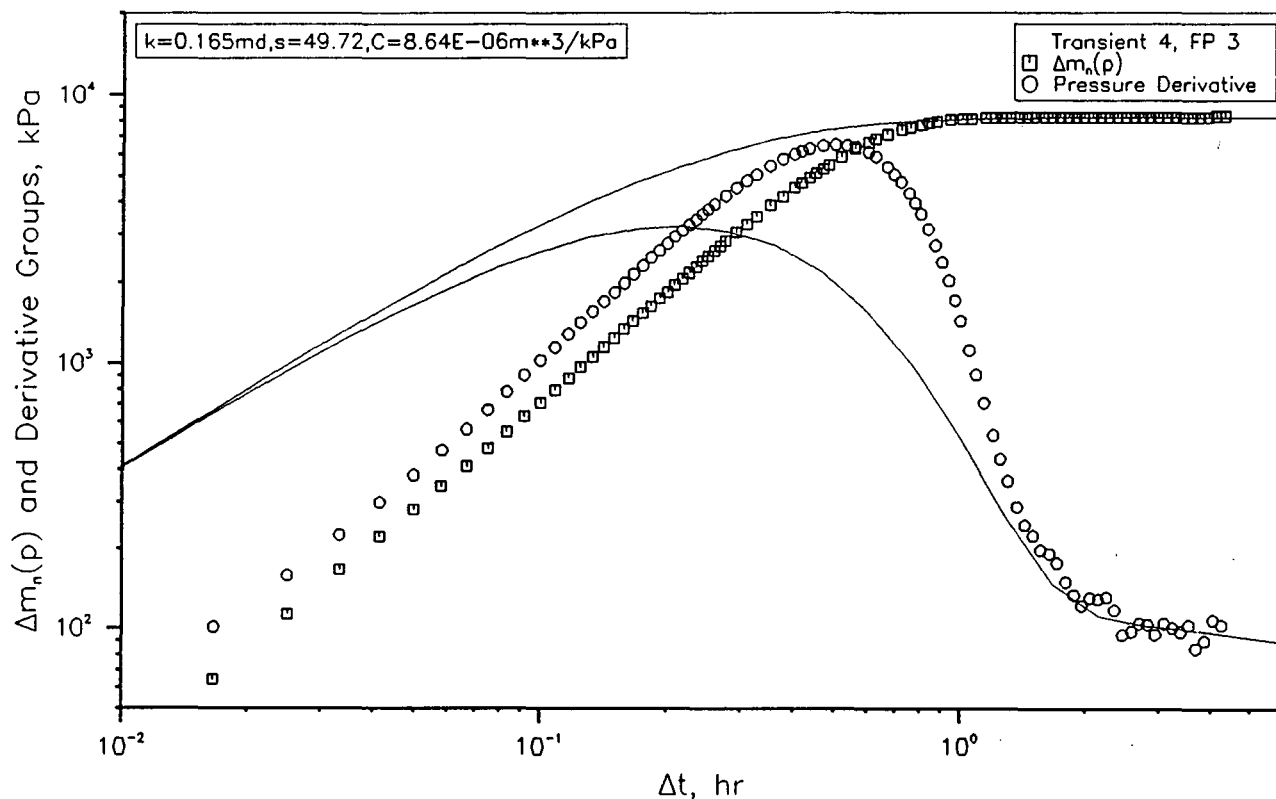
Gas Gravity.....: 0.65000
Critical Temperature ...: 370.26 DegK
Critical Pressure: 4629.40 kPa

Standard Temperature ...: 15.000 DegC
Standard Pressure: 101.32 kPa

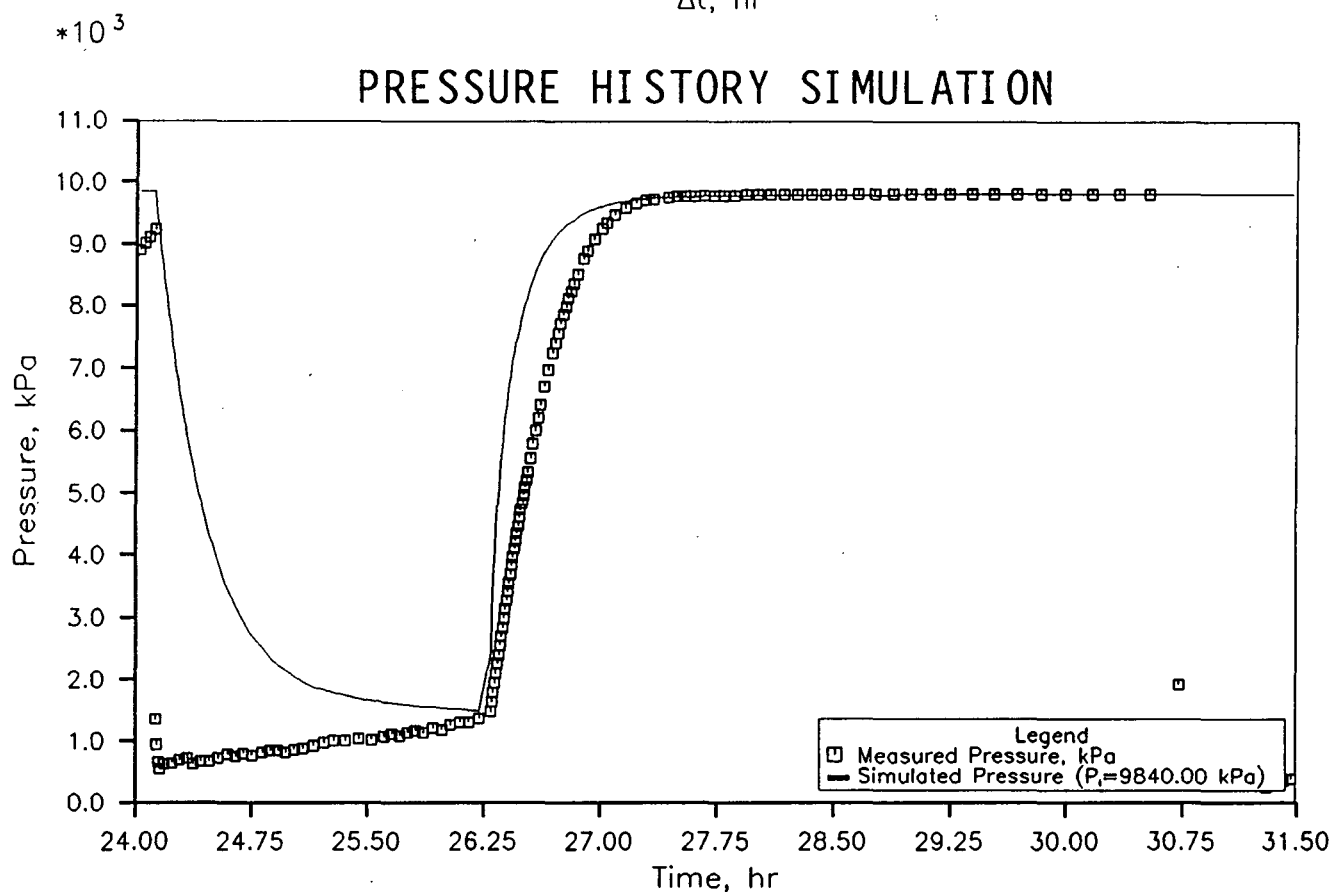
Initial Pressure: 1398.95 kPa
Average Pressure: 5610.61 kPa
Average Viscosity: 0.01253 mPa*s
Average GAS Compressibility: 1.9572E-04 /kPa
Average Form. Vol. Factor: 0.01866 m**3/m**3
Average Z: 0.91013



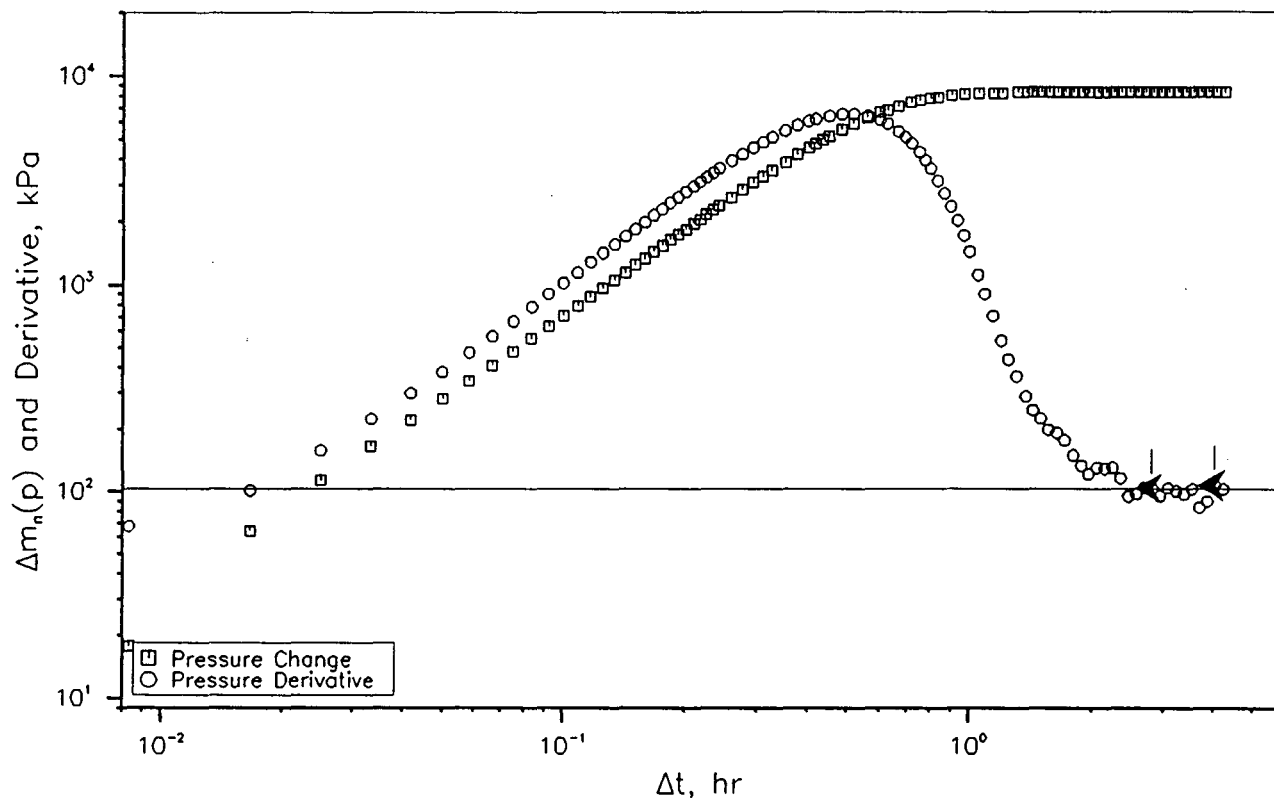
MULTI RATE TYPE CURVE ANALYSIS



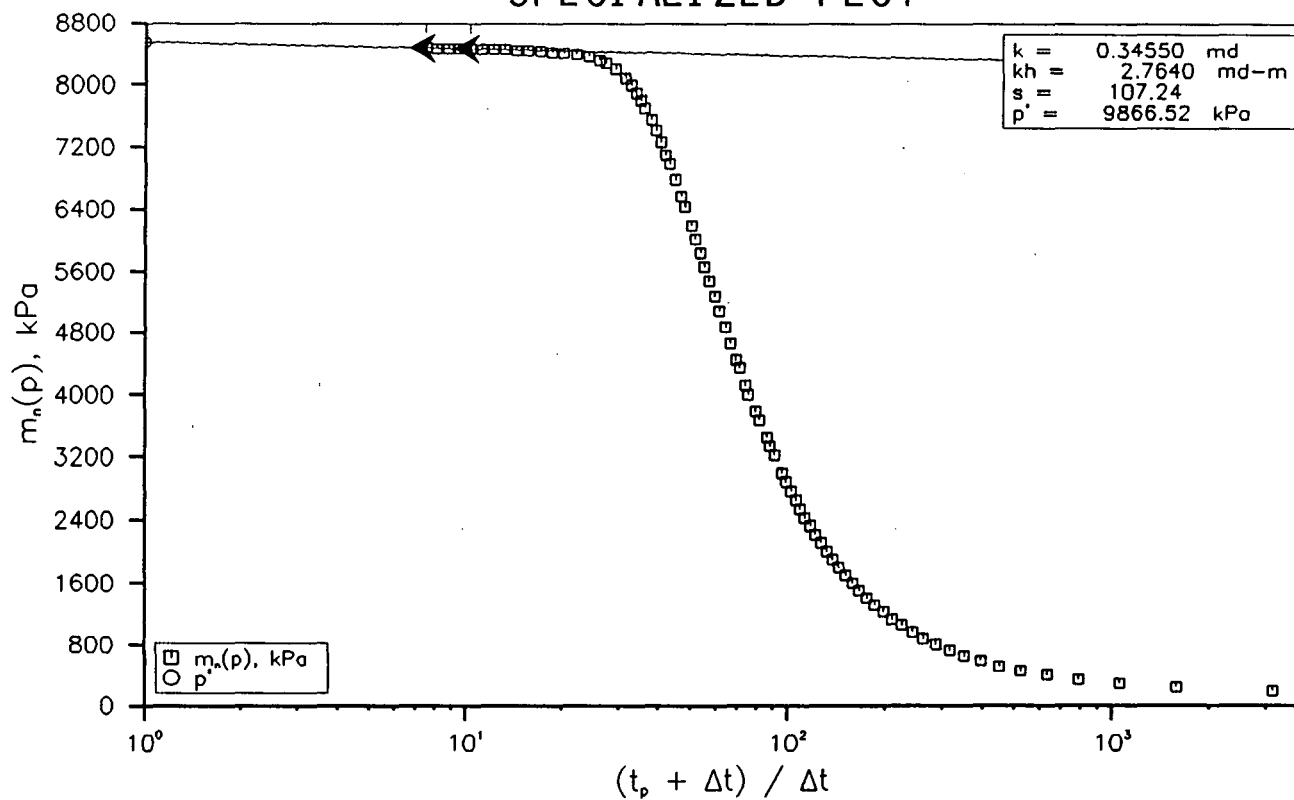
PRESSURE HISTORY SIMULATION



FLOW REGIME IDENTIFICATION PLOT



SPECIALIZED PLOT



**D) DST #2 PINE POINT 1477-1487 M
CLOSED CHAMBER TEST REPORT**

DELTA-F TEST CORP.
WELL TESTING AND EVALUATION
#520 400 5th AVENUE S.W.
CALGARY , ALBERTA T2P 1N7

PCI SWEDE

E-02
PINE POINT 1477M - 1487M
DST # 2

Wed, Feb 14, 1990

PCI SWEDE

E-02

PINE POINT 1477M - 1487M

DST # 2

CLOSED CHAMBER REPORT SUMMARY

FLOW TIMES (minutes)

FLOW # 1 = 10.5 SHUT IN # 1 = 61.5
FLOW # 2 = 90 SHUT IN # 2 = 240

FLOW RATES (m3/D)

	GAS	LIQUID
FLOW # 1 initial	29.9	187.4
final	0.0	187.4
FLOW # 2 initial	196.8	27.4
final	0.0	27.4

RECOVERY

LENGTH (m)	VOLUME (m3)	DESCRIPTION
80	.335	GASSIFIED INHIBITOR , FOAM & SALT WATER
700	2.73	SLIGHTLY GASSY & OIL STAINED SALT WATER
780	3.065	TOTAL RECOVERY

COMMENTS

A closed chamber analysis has been carried out for both flow periods. The results are contained in the following pages.

In summary, a mechanically successful Inflate Staddle test was performed on the above interval. During the Preflow the zone produced an average liquid flow rate of 187.4 m3/d. The gas rate decreased to 0 at 4.5 mins into the flow period. During the Mainflow the zone produced an average liquid flow rate of 27.4 m3/d. The gas flow rate decreased to 0 at 29 mins into the Mainflow.

CLOSED CHAMBER SURFACE RESULTS:

PREFLOW 10.5 MINS

Pressure increased 27.98 kpa. Max dp/dt of 3.26 kpa/min at 2 mins. Average dp/dt of 2.66 kpa/min.

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FINE POINT 1477M - 1487M

DST # 2

INITIAL SHUTIN 61.5 MINS

Pressure increased 2.15 kpa during the entire shutin period.
Chamber was not vented to the flare pit.

MAINFLOW 90 MINS

Pressure increased 83.22 kpa. Max dp/dt of 3.81 kpa/min at
1 min. Average dp/dt of 0.92 kpa/min.

FINAL SHUTIN 240 MINS

Pressure did not increase and chamber was vented to flare
pit after 20 mins. Due to extremely cold temperatures the
the chamber did not completely vent itself. At 1.5 hours the
pressure increased to final shutin pressure and was vented
again prior to pulling the tool free.

DOWNHOLE PRESSURE RECORDERS:

OUTSIDE RECORDER #21628 LOCATED AT 1478M

Chart was digitized and used to obtain the following
pressures:

IHP 16148, IPF 2489, FPF 3684, ISIP 8906,

FHP 16105, IMF 4481, FMF 8635, FSIP 9247, kpag.

FLUID RECORDER #50094 LOCATED ABOVE THE SI TOOL

A Starburst recorder was used to obtain fluid rates, chart
was digitized for this report.

FLUID INFLUX: PREFLOW 1.359 m3 MAINFLOW 1.71m3

BOTTOMHOLE TEMP(degrees): 59.4 C

FLUID ANALYSIS:

Fluid was reversed circulated out and samples were caught at
the discharge line. First sample was gas cut inhibitor, foam
and salt water. The rest of the samples were slightly gassified
salt water with a very slight oil stain.

Salt Content: 35,000 mg/l of Cl, 57,750 mg/l of NaCl

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FINE POINT 1477M - 1487M

DST # 2

Inflate Straddle test by Schlumberger Testers of Grande Prairie, Keith Brooks tester.

Closed Chamber Analysis by Delta P Test Corp. of Calgary, Kelly Brennen tester.

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PINE POINT 1477M - 1487M

DST # 2

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
----------	------------------	----------------------	------------------	------------------

START OF FLOW # 1

GAS HAS BROKEN THROUGH LIQUID CUSHION

22:30:00	.00	92.83		
22:30:30	.50	94.18	2.70	29.9
22:31:00	1.00	95.62	2.88	38.8
22:31:30	1.50	96.97	2.70	19.3
22:32:00	2.00	98.60	3.26	56.9
22:32:30	2.50	99.92	2.64	3.8
22:33:00	3.00	101.36	2.88	16.6
22:33:30	3.50	102.87	3.02	21.3
22:34:00	4.00	104.25	2.76	.0
22:34:30	4.50	105.82	3.14	18.6
22:35:00	5.00	107.14	2.64	.0
22:35:30	5.50	108.34	2.40	.0
22:36:00	6.00	109.41	2.14	.0
22:36:30	6.50	110.82	2.82	.0
22:37:00	7.00	111.96	2.28	.0
22:37:30	7.50	113.00	2.08	.0
22:38:00	8.00	114.05	2.10	.0
22:38:30	8.50	115.37	2.64	.0
22:39:00	9.00	116.35	1.96	.0
22:39:30	9.50	117.61	2.52	.0
22:40:00	10.00	118.56	1.90	.0
22:40:30	10.50	119.76	2.40	.0

START OF SHUT IN # 1

22:40:30	.00	119.76	.00	
22:45:00	4.50	119.69	-.02	
22:50:00	9.50	119.94	.05	
22:55:00	14.50	120.25	.06	
23:00:00	19.50	120.47	.04	
23:05:00	24.50	120.87	.08	
23:10:00	29.50	121.12	.05	
23:15:00	34.50	121.34	.04	
23:20:00	39.50	121.34	.00	
23:25:00	44.50	121.44	.02	
23:30:00	49.50	121.72	.06	
23:35:00	54.50	121.63	-.02	
23:40:00	59.50	121.82	.04	
23:42:00	61.50	121.91	.05	

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PCI SWEDE

E-02

FINE POINT 1477M - 1487M

DST # 2

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
START OF FLOW # 2				
GAS HAS BROKEN THROUGH LIQUID CUSHION				
23:42:00	.00	121.91		
23:43:00	1.00	125.72	3.81	196.8
23:44:00	2.00	128.86	3.14	154.0
23:45:00	3.00	131.69	2.83	133.5
23:46:00	4.00	134.82	3.13	149.9
23:47:00	5.00	137.25	2.43	106.2
23:48:00	6.00	139.95	2.70	120.9
23:49:00	7.00	142.14	2.19	89.1
23:50:00	8.00	144.50	2.36	98.0
23:51:00	9.00	146.75	2.25	90.1
23:52:00	10.00	148.84	2.09	79.5
23:53:00	11.00	151.05	2.21	85.3
23:54:00	12.00	153.02	1.97	70.1
23:55:00	13.00	154.96	1.94	67.3
23:56:00	14.00	156.86	1.90	63.9
23:57:00	15.00	158.80	1.94	65.1
23:58:00	16.00	160.46	1.66	48.1
23:59:00	17.00	162.21	1.75	52.2
00:00:00	18.00	163.87	1.66	46.2
00:01:00	19.00	165.53	1.66	45.2
00:02:00	20.00	167.01	1.48	34.2
00:03:00	21.00	168.55	1.54	36.7
00:04:00	22.00	169.99	1.44	30.3
00:05:00	23.00	171.53	1.54	35.0
00:06:00	24.00	172.85	1.32	22.1
00:07:00	25.00	174.08	1.23	16.4
00:08:00	26.00	175.22	1.14	10.9
00:09:00	27.00	176.26	1.04	4.8
00:10:00	28.00	177.46	1.20	12.8
00:11:00	29.00	178.48	1.02	2.5
00:12:00	30.00	179.40	.92	.0
00:13:00	31.00	180.32	.92	.0
00:14:00	32.00	181.22	.90	.0
00:15:00	33.00	182.14	.92	.0
00:16:00	34.00	183.00	.86	.0
00:17:00	35.00	183.83	.83	.0
00:18:00	36.00	184.66	.83	.0
00:19:00	37.00	185.37	.71	.0
00:20:00	38.00	186.11	.74	.0
00:21:00	39.00	186.85	.74	.0
00:22:00	40.00	187.43	.58	.0

Wed, Feb 14, 1990

PCI SWEDE

E-02

PINE POINT 1477M - 1487M

DST # 2

GAS FLOW RATES AND TIMES

TestTime	FlowTime. Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
00:23:00	41.00	188.14	.71	.0
00:24:00	42.00	188.88	.74	.0
00:25:00	43.00	189.25	.37	.0
00:26:00	44.00	189.90	.65	.0
00:27:00	45.00	190.51	.61	.0
00:28:00	46.00	190.97	.46	.0
00:29:00	47.00	191.62	.65	.0
00:30:00	48.00	192.24	.62	.0
00:31:00	49.00	192.48	.24	.0
00:32:00	50.00	193.25	.77	.0
00:33:00	51.00	193.71	.46	.0
00:34:00	52.00	194.08	.37	.0
00:35:00	53.00	194.58	.50	.0
00:36:00	54.00	194.95	.37	.0
00:37:00	55.00	195.29	.34	.0
00:38:00	56.00	195.90	.61	.0
00:39:00	57.00	196.30	.40	.0
00:40:00	58.00	196.55	.25	.0
00:41:00	59.00	197.04	.49	.0
00:42:00	60.00	197.29	.25	.0
00:43:00	61.00	197.66	.37	.0
00:44:00	62.00	197.94	.28	.0
00:45:00	63.00	198.25	.31	.0
00:46:00	64.00	198.62	.37	.0
00:47:00	65.00	198.96	.34	.0
00:48:00	66.00	199.39	.43	.0
00:49:00	67.00	199.73	.34	.0
00:50:00	68.00	199.76	.03	.0
00:51:00	69.00	200.19	.43	.0
00:52:00	70.00	200.41	.22	.0
00:53:00	71.00	200.72	.31	.0
00:54:00	72.00	201.09	.37	.0
00:55:00	73.00	201.21	.12	.0
00:56:00	74.00	201.55	.34	.0
00:57:00	75.00	201.76	.21	.0
00:58:00	76.00	202.04	.28	.0
00:59:00	77.00	202.17	.13	.0
01:00:00	78.00	202.47	.30	.0
01:01:00	79.00	202.75	.28	.0
01:02:00	80.00	202.94	.19	.0
01:03:00	81.00	203.15	.21	.0
01:04:00	82.00	203.40	.25	.0
01:05:00	83.00	203.62	.22	.0
01:06:00	84.00	203.99	.37	.0

Wed, Feb 14, 1990

FCI SWEDE

E-02

PINE POINT 1477M - 1487M

DST # 2

GAS FLOW RATES AND TIMES

TestTime	FlowTime	Pressure	Dp/Dt	Gas Rate
	Min.	KPa abs.	KPa/min	m3/D
01:07:00	85.00	204.11	.12	.0
01:08:00	86.00	204.20	.09	.0
01:09:00	87.00	204.51	.31	.0
01:10:00	88.00	204.64	.13	.0
01:11:00	89.00	204.82	.18	.0
01:12:00	90.00	205.13	.31	.0

START OF SHUT IN # 2

01:12:00	.00	205.13	.00	
01:25:00	13.00	204.98	-.01	
01:40:00	28.00	91.77	-7.55	
01:55:00	43.00	91.69	-.01	
02:10:00	58.00	92.13	.03	
02:25:00	73.00	92.53	.03	
02:40:00	88.00	203.45	7.39	
02:55:00	103.00	202.35	-.07	
03:10:00	118.00	201.01	-.09	
03:25:00	133.00	199.60	-.09	
03:40:00	148.00	198.31	-.09	
03:55:00	163.00	196.71	-.11	
04:10:00	178.00	93.29	-6.89	
04:25:00	193.00	92.61	-.05	
04:40:00	208.00	93.16	.04	
04:43:15	211.25	93.13	-.01	

END OF RECORDED DATA

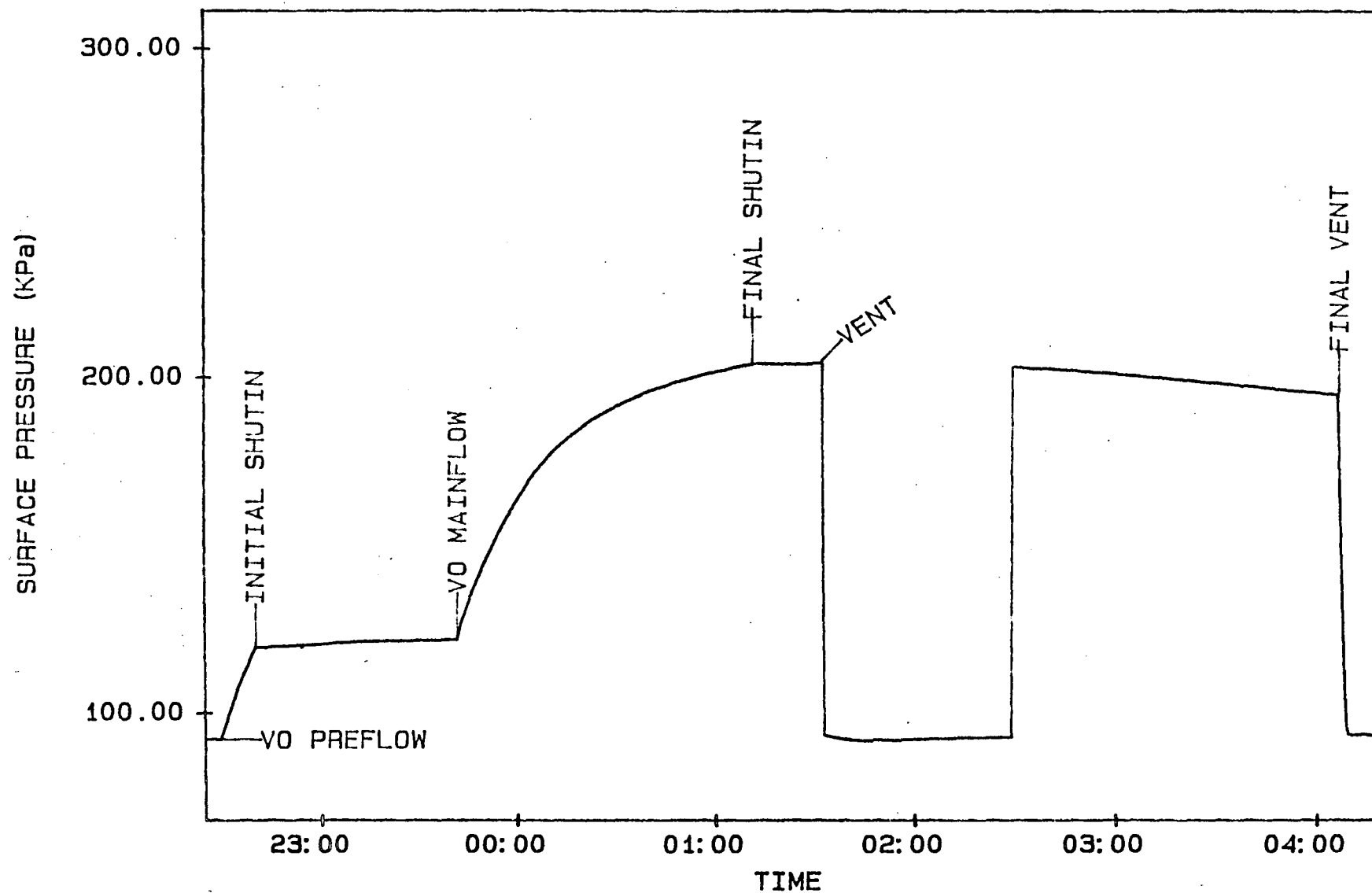
DELTA-P TEST CORP.

REFERENCE FILENAME : PCS13

TEST DATE : Wed, Feb 14, 1990

WELL NAME : PCI SWEDE

WELL LOCATION : E-02



Wed, Feb 14, 1990

PCI SWEDE

E-02

FINE POINT 1477M - 1487M

DST # 2

PRETEST CALCULATIONS

FILENAME	PCS13.DST
GAS GRAVITY	.65
FORMATION DEPTH	1482.00 MKB
FORMATION PRESSURE	15086.76 KPAg
FORMATION TEMPERATURE	47.68 DEG C
AVE CHAMBER TEMP	25.95 DEG C
INITIAL CHM SURFACE PRESSURE	91.00 KPAA
INITIAL GAS/N2 HEAD PRESSURE	101.54 KPAA
INITIAL TOTAL CUSH. PRESSURE	194.74 KPAA
INITIAL CUSHION LENGTH	9.50 m
LIQUID CUSHION GRADIENT	9.81 kPA/m
DOWN HOLE CHOKE DIAMETER	12.70 mm
CHOKE COEFFICIENT	18.02 m3/D/KPA
DRILL COLLAR LENGTH	190.48 m
DRILL COLLAR I.D.	73.00 mm
DRILL COLLAR CAPACITY	.004185 m3/m
DRILL COLLAR VOLUME	.797 m3
LOWER DRILL PIPE LENGTH	1266.79 m
LOWER DRILL PIPE I.D.	70.00 mm
LOWER DRILL PIPE CAPACITY	.003848 m3/m
LOWER DRILL PIPE VOLUME	4.875 m3
UPPER DRILL PIPE LENGTH	.00 m
UPPER DRILL PIPE I.D.	.00 mm
UPPER DRILL PIPE CAPACITY	.000000 m3/m
UPPER DRILL PIPE VOLUME	.000 m3
TOTAL CHAMBER VOLUME	5.67 m3
LIQUID CUSHION VOLUME	.04 m3
NET CHAMBER VOLUME	5.63 m3

	MAX. RATE	MAX. SURFACE DP/DT
GAS	360595.4 m3/D	4414.0 KPA/min
GAS UNDER CUSHION	360595.4 m3/D	2334.9 KPA/min
GAS SATURATED H2O	932.8 m3/D	40.7 KPA/min
PURE LIQUID INFLUX	932.8 m3/D	11.1 KPA/min

	INITIAL CONVERSION FACTORS
GAS	81.7 m3/D/KPA/min
GAS UNDER CUSHION	154.4 m3/D/KPA/min
GAS SATURATED H2O	22.9 m3/D/KPA/min
PURE LIQUID INFLUX	84.3 m3/D/KPA/min

DELTA P TEST CORPORATION

PCI SWEDE

E-02

PINE POINT 1477M - 1487M

DST #2 FEB 14, 1990

FLUID REC#50094 ABOVE SI TOOL

LINEAR DATA TABLE

Table No.: 1 INITIAL HYDROSTATIC

	TIME	PRESSURE
	(min)	(kPa)
1.	0.0	1.0
2.	43.2	207.2
3.	103.5	207.2
4.	190.3	207.2

Table No.: 2 1st FLOW

	TIME	PRESSURE
	(min)	(kPa)
1.	190.3	207.2
2.	198.2	2553.2
3.	201.3	3807.5

Table No.: 3 1st SHUT-IN

	TIME	PRESSURE
	(min)	(kPa)
1.	201.3	3807.5
2.	217.7	3833.7
3.	222.5	3833.7
4.	225.9	3825.0
5.	245.8	3825.0
6.	261.9	3825.0

Table No.: 4 2nd FLOW

	TIME	PRESSURE
	(min)	(kPa)
1.	261.9	3825.0
2.	266.1	4553.8
3.	270.9	5514.8
4.	278.7	6658.8
5.	293.8	7678.0
6.	307.9	8133.8
7.	316.1	8319.7
8.	334.3	8546.1
9.	350.7	8694.2

Table No.: 5 2nd SHUT-IN

	TIME	PRESSURE
	(min)	(kPa)
1.	350.7	8694.2
2.	359.3	8694.2
3.	364.5	8734.9
4.	370.3	8734.9
5.	375.8	8723.2
6.	385.4	8723.2
7.	530.1	8723.2
8.	534.2	8615.8
9.	564.7	8569.4
10.	576.7	8569.4
11.	591.8	8592.6

Table No.: 6 FINAL HYDROSTATIC

	TIME (min)	PRESSURE (kPa)		TIME (min)	PRESSURE (kPa)
1.	591.8	8592.6	25.	1076.6	8551.9
2.	613.4	8592.6	26.	1185.3	8551.9
3.	633.9	8592.6	27.	1189.4	8749.4
4.	636.3	8380.6	28.	1197.3	8784.2
5.	640.1	8723.2	29.	1209.3	8882.9
6.	641.8	8583.9	30.	1212.7	10270.8
7.	694.3	8583.9	31.	1214.1	9547.8
8.	800.6	8583.9	32.	1220.9	9919.5
9.	806.1	7962.5	33.	1222.6	9309.8
10.	809.5	8586.8	34.	1226.1	9736.6
11.	818.7	8926.5	35.	1228.1	9414.3
12.	821.8	8569.4	36.	1232.6	10044.4
13.	845.5	8569.4	37.	1235.7	9492.7
14.	846.9	8882.9	38.	1240.8	8822.0
15.	848.2	8589.7	39.	1266.5	8822.0
16.	856.8	8546.1	40.	1290.5	7892.8
17.	859.9	7852.2	41.	1325.8	6220.4
18.	862.6	8581.0	42.	1353.9	6220.4
19.	910.3	8581.0	43.	1400.6	4196.6
20.	912.3	8807.4	44.	1442.4	2230.9
21.	914.4	8557.7	45.	1505.8	2230.9
22.	914.7	8209.3	46.	1530.2	1583.4
23.	916.5	8604.2	47.	1546.6	663.0
24.	922.6	8604.2	48.	1570.6	18.4

DELTA P TEST CORPORATION

PRESSURE vs TIME

PCI SWEDE

E-02

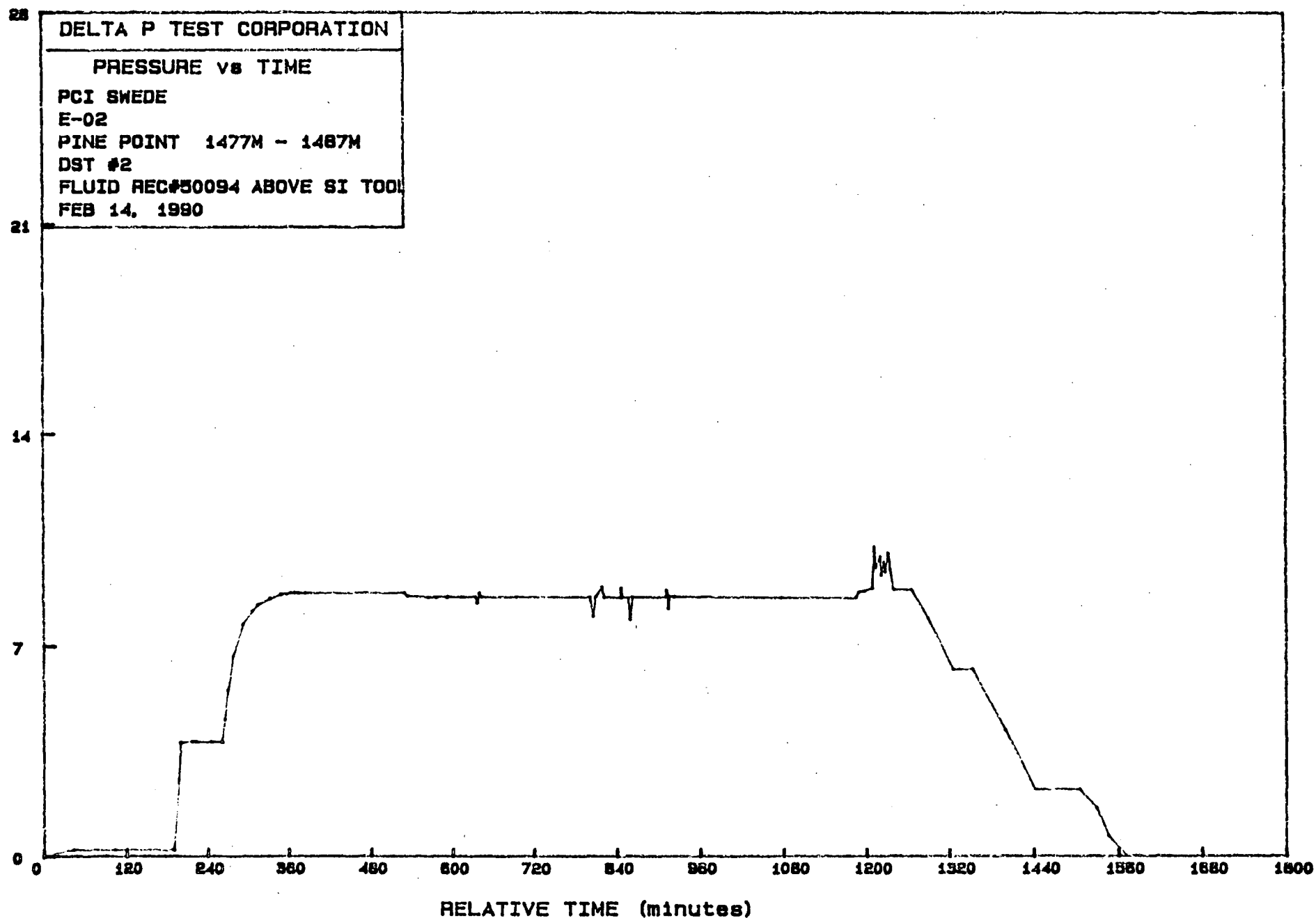
PINE POINT 1477M - 1487M

DST #2

FLUID REC#50094 ABOVE SI TOOL

FEB 14, 1990

PRESSURE (kPa x 10⁻³)



DELTA P TEST CORPORATION

PCI SWEDE

E-02

PINE POINT 1477M - 1487M

DST #2 FEB 14, 1990

OUTSIDE REC#21623 @ 1478M

LINEAR DATA TABLE

Table No.: 1 INITIAL HYDROSTATIC

	TIME (min)	PRESSURE (kPa)		TIME (min)	PRESSURE (kPa)
1.	0.0	56.8	25.	1174.0	18282.1
2.	24.7	56.8			
3.	61.3	1934.9			
4.	72.7	2048.7			
5.	324.7	2048.7			
6.	349.3	2660.5			
7.	369.3	2731.6			
8.	446.7	4993.7			
9.	462.0	5107.6			
10.	540.0	7398.2			
11.	560.7	7682.7			
12.	598.7	8991.6			
13.	628.7	8991.6			
14.	692.7	11410.3			
15.	705.3	11552.6			
16.	774.0	13985.4			
17.	831.3	16276.0			
18.	846.7	16276.0			
19.	850.0	16148.0			
20.	901.3	16148.0			
21.	902.0	16318.7			
22.	980.7	16318.7			
23.	1059.3	16318.7			
24.	1170.0	16318.7			

Table No.: 2 1st FLOW

	TIME (min)	PRESSURE (kPa)
1.	1177.3	2489.7
2.	1181.3	3314.9
3.	1185.3	3613.7
4.	1186.0	3656.4
5.	1186.7	3684.8

Table No.: 3 1st SHUT-IN

	TIME	PRESSURE
	(min)	(kPa)
1.	1186.7	3684.8
2.	1190.0	7540.4
3.	1192.0	7753.9
4.	1195.3	8180.7
5.	1200.0	8294.5
6.	1208.0	8479.4
7.	1214.7	8593.3
8.	1224.7	8692.9
9.	1231.3	8806.7
10.	1246.7	8906.3

Table No.: 4 2nd FLOW

	TIME	PRESSURE
	(min)	(kPa)
1.	1249.3	4481.6
2.	1254.7	5690.9
3.	1263.3	6558.8
4.	1266.0	6942.9
5.	1272.7	7255.9
6.	1280.7	7640.0
7.	1298.7	8066.9
8.	1314.0	8294.5
9.	1318.7	8365.6
10.	1338.0	8635.9

Table No.: 5 2nd SHUT-IN

	TIME	PRESSURE
	(min)	(kPa)
1.	1338.0	8635.9
2.	1380.0	8906.3
3.	1398.7	9005.9
4.	1434.0	9133.9
5.	1526.7	9247.7
6.	1565.3	9247.7
7.	1570.0	9247.7

Table No.: 6 FINAL HYDROSTATIC

TIME		PRESSURE	TIME		PRESSURE
(min)		(kPa)	(min)		(kPa)
1.	1573.3	15436.6	25.	2280.0	6245.8
2.	1578.7	15792.3	26.	2342.7	3571.0
3.	1595.3	15977.3	27.	2362.0	2290.5
4.	1598.0	16361.4	28.	2437.3	2262.1
5.	1609.3	16361.4	29.	2478.0	241.8
6.	1698.7	16361.4	30.	2490.0	42.6
7.	1701.3	16105.3			
8.	1731.3	16105.3			
9.	1737.3	16418.3			
10.	1755.3	16048.4			
11.	1775.3	15507.8			
12.	1801.3	14711.0			
13.	1844.0	13103.3			
14.	1902.7	10713.1			
15.	1944.7	8806.7			
16.	2140.7	8806.7			
17.	2140.7	10514.0			
18.	2146.0	9831.0			
19.	2150.7	9518.0			
20.	2157.3	10030.2			
21.	2163.3	10229.4			
22.	2169.3	8764.0			
23.	2196.7	8764.0			
24.	2254.7	6245.8			

DELTA P TEST CORPORATION

PRESSURE vs TIME

PCI SWEDE

E-02

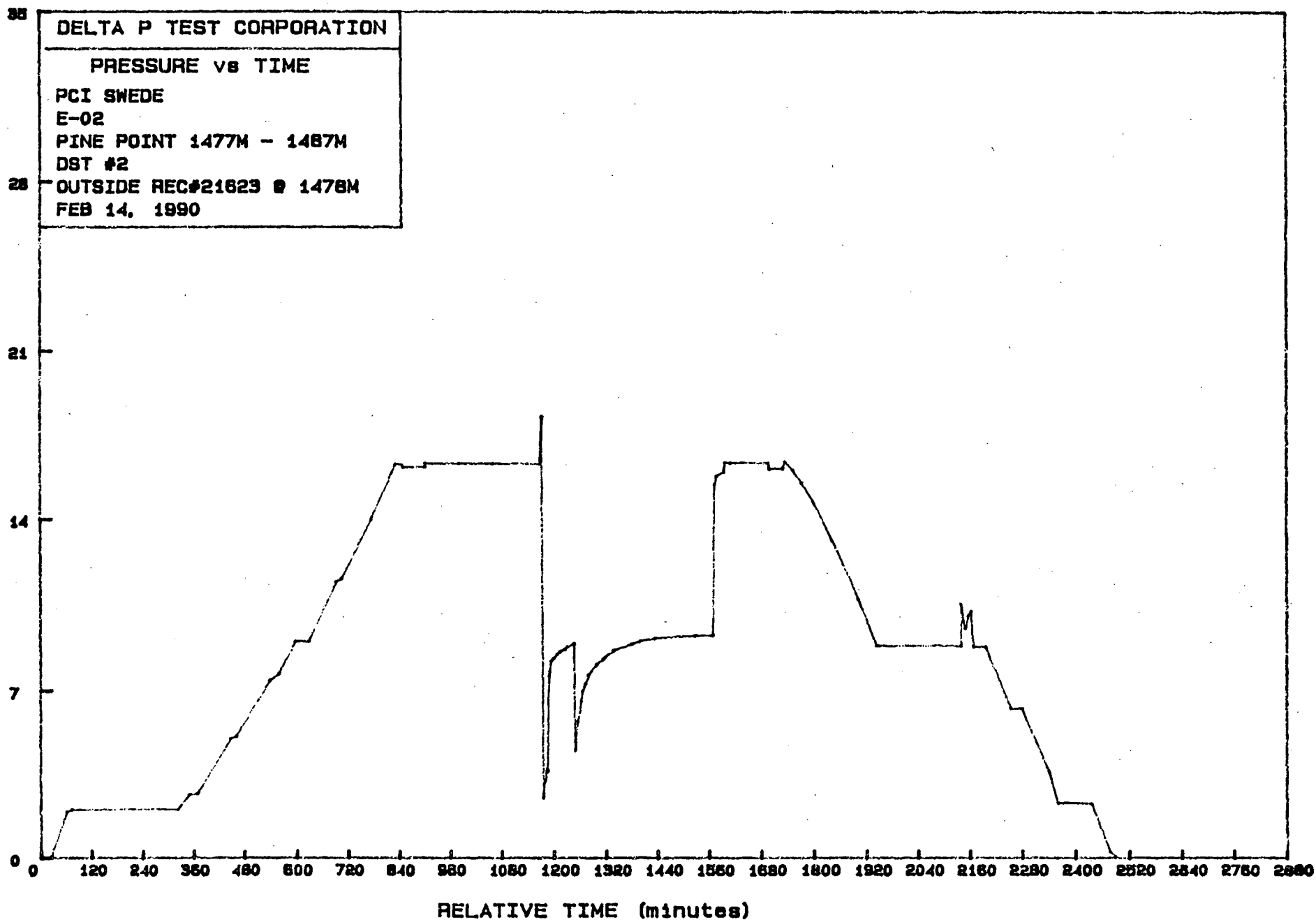
PINE POINT 1477M - 1487M

DST #2

OUTSIDE REC#21623 @ 1478M

FEB 14, 1990

PRESSURE (kPa x 10⁻³)



**E) DST #2 PINE POINT 1477-1487 M
DRILLSTEM TEST REPORT**

LEVEL I FLOPETROL JOHNSTON™ DST REPORT
for

PETRO CANADA INC.

Well: PCI SWEDE E-02

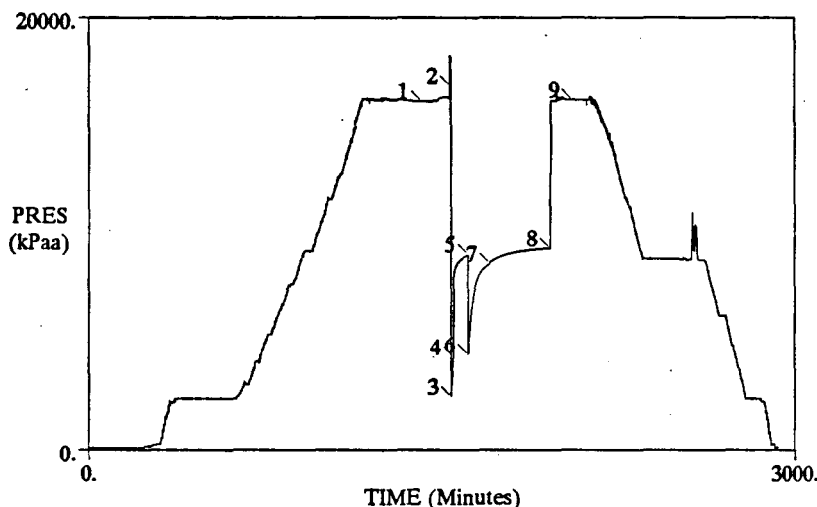
DST #TWO: PINE POINT FORMATION - (1477. - 1487.M)

*****Test Reference Number: 301215B*****

Test Data

#	Explanation	P(kPa)	T(min)
1	HYDROSTATIC	16205.9	1410.0
2	REFERENCE TIME	16907.1	1531.0
3	START FLOW	2465.5	1532.0
4	END FLOW	4316.7	1542.5
5	END SHUT-IN	9098.9	1604.0
6	START FLOW	4429.8	1604.5
7	END FLOW	8665.9	1694.0
8	END SHUT-IN	9393.3	1948.0
9	HYDROSTATIC	16281.1	2040.0

BOTTOMHOLE PRESSURE LOG



Test Results [STRADDLE INFLATE]

FINAL SHUTIN PRESSURE	9393.3 kPa
RESERVOIR TEMPERATURE	59.4 C
PRODUCTION RATE	CLOSED CHAMBER - DELTA P
NET PIPE RECOVERY	780 m Total 80 m Foamy inhibitor and oil stained salt water 700 m Oil stained, slightly gasified salt water 95,000 ppm NaCl

Blow Description

PREFLOW	CLOSED CHAMBER WITH DELTA-P
MAINFLOW	CLOSED CHAMBER WITH DELTA-P

Comments

THIS WAS A MECHANICALLY SUCCESSFUL TEST OF THE PINE POINT FORMATION FROM 1477 TO 1487 MKB. THE BOTTOMHOLE PRESSURE CHARTS, LOG-LOG AND SEMI-LOG DIAGNOSTIC PLOTS INDICATE A FORMATION WITH EXCELLENT PERMEABILITY, LITTLE TO NO FORMATION DAMAGE. THERE IS A CONSTANT UPWARD TREND EVIDENT ON THE DIAGNOSTIC PLOTS THAT WARRANTS FURTHER ANALYSIS OF THE PRESSURE BUILD-UP DATA.

IF YOU REQUIRE FURTHER INFORMATION, PLEASE CONTACT BRIAN JORDAN AT 231-9625.

Flowrate Summary and Sequence of Events

LABEL POINT #	TIME of DAY (HH:MM:SS)	EXPLANATION	DURATION (min)	BHP (kPa)	BHT (Deg C)	SURF PRESS (kPa)	FLOW RATE (m3/d)
1	20:27:00	HYDROSTATIC		16205.9	54.8		
2	22:28:00	REFERENCE TIME	121.0	16907.1	55.3		
3	22:29:00	START FLOW	1.0	2465.5	55.3		
4	22:39:30	END FLOW	10.5	4316.7	58.0		
5	23:41:00	END SHUT-IN	61.5	9098.9	58.3		
6	23:41:30	START FLOW	0.5	4429.8	58.4		
7	1:11:00	END FLOW	89.5	8665.9	59.4		
8	5:25:00	END SHUT-IN	254.0	9393.3	58.3		
9	6:57:00	HYDROSTATIC	92.0	16281.1	58.3		

Sample Data

Sample #/Source	Description	RESISTIVITY ohm @ C	Salinity PPM(NaCl)
1-MUD TANKS	DRILLING MUD DRILLING MUD FILTRATE	2.50 @ 15 2.10 @ 16	2,750 3,500
2-START REVERSING	FOAMY INHIBITOR AND OIL STAINED SALT WATER	N/A	
3-MIDDLE REVERSING	OIL STAINED, SLIGHTLY GASIFIED WATER	0.097 @ 15	95,000
4-END REVERSING	OIL STAINED, SLIGHTLY GASIFIED WATER	0.092 @ 15	95,000
5-			

Samples Sent To: CORE LAB

Hole Conditions

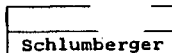
Total Depth(MD/TVD)	1527 m
Ground Level	805.05 m
Kelly Bushing	810.10 m
Hole Size	200 mm
Mud Weight	1115 kg/m3
Mud Type	GEL CHEM

Test String Configuration

Pipe Length/I.D.	1266.18 m / 70 mm
Collar Length/I.D.	190.48 m / 71 mm
Packer Depths	1477 - 1487 m
Bottomhole Choke Size	12.7 mm
Gauge Depth/Type	1479.26 m / STARBURST

Tool Sequence:

#	DESCRIPTION	LENGTH(m)	DEPTH(m)
0	DRILL PIPE TOP	0.00	-1.56
1	Drill Pipe TUBING I.D.70 mm	1266.18	1264.62
2	Crossover	0.30	1264.92
3	Crossover	0.31	1265.23
4	Drill Collars I.D. 71 mm	9.22	1274.45
5	Crossover	0.30	1274.75
6	Crossover	0.30	1275.05
7	OTHER Safety valve	2.51	1277.56
8	Crossover	0.30	1277.86
9	Crossover	0.30	1278.16
10	Drill Collars I.D. 71 mm	154.52	1432.68
11	Pumpout Sub Pressure type	0.17	1432.85
12	Pumpout Sub Pin type	0.18	1433.03
13	Drill Collars I.D. 71 mm	26.74	1459.77
14	Crossover	0.30	1460.07
15	Elec.Recorder SB#50094	1.80	1461.87
16	Choke Sub 12.7mm	0.30	1462.17
17	MFE [Test Valve] SC#41208,133142	3.93	1466.10
18	Crossover	0.30	1466.40
19	Recorder AK1 # 2108	1.35	1467.75
20	Jars	2.49	1470.24
21	Rotary Pump # 132785	2.45	1472.69
22	MSRV [Deflate] # 113766	2.44	1475.13
23	REFERENCE PACKER # 110541	1.87	1477.00
24	Packer Stub PERF	0.76	1477.76
25	Recorder K3 #21623,17730	1.85	1479.61
26	Recorder SB#50115	0.00	1479.61
27	Blank Anchor	6.40	1486.01
28	Crossover	0.30	1486.31
29	Packer Stub	0.76	1487.07
30	Packer # 104086	1.87	1488.94
31	DDST [Drag Spring] # 132925	2.65	1491.59
32	Recorder AK1 # 1937	1.80	1493.39
33	Blank Off Sub	0.30	1493.69
34	Recorder AK1 # 2105	1.80	1495.49
35	Bullnose	0.91	1496.40



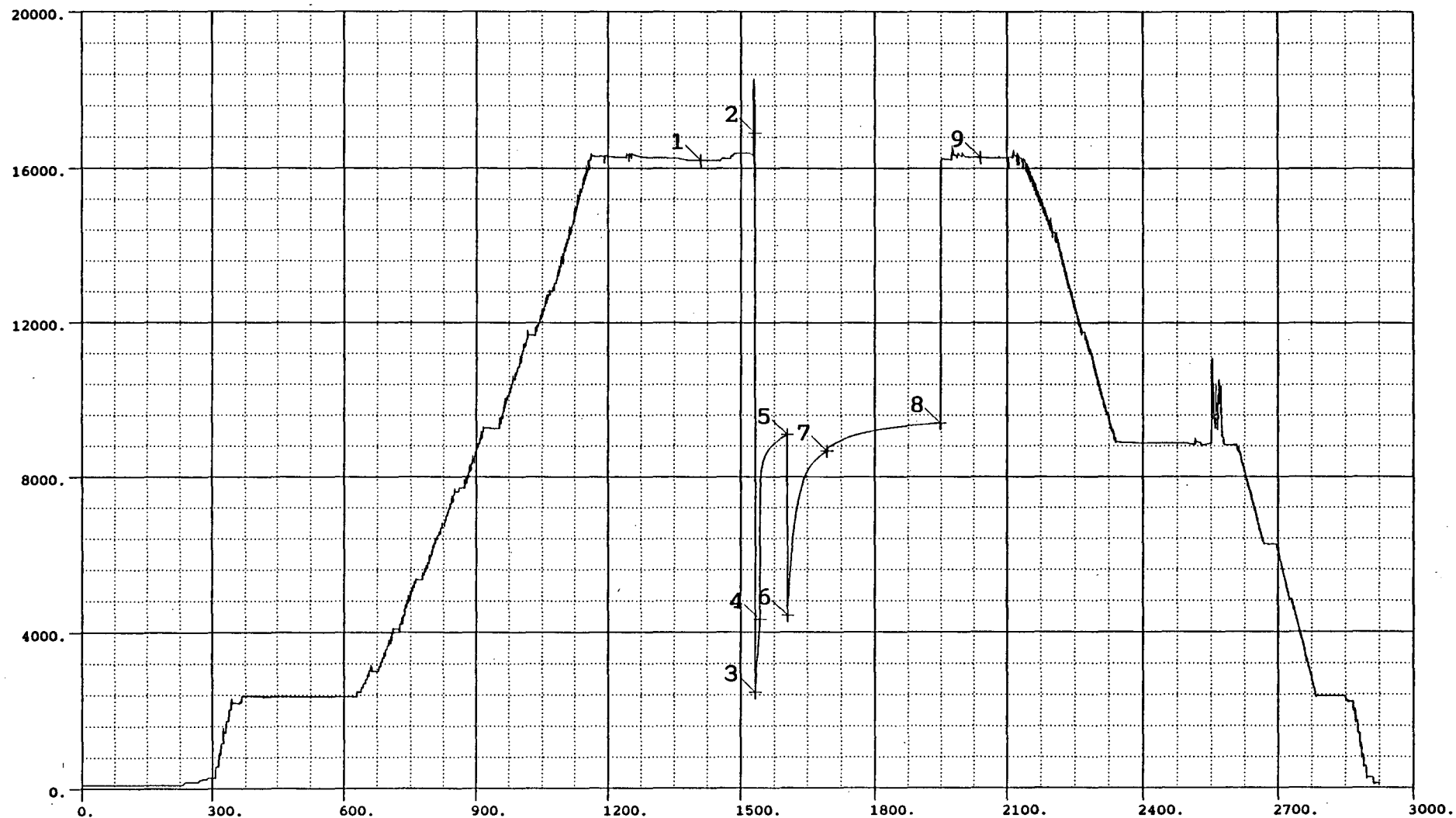
Schlumberger of Canada
Testing Services

BOTTOMHOLE PRESSURE PLOT

FIELD REPORT NO. : 301215BI
INSTRUMENT NO. : SM # 50115
DEPTH : 1479.26 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : Outside

COMPANY : PETRO CANADA INC.
WELL : PCI SWEDE E-02
DST# : TWO

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]
Y-AXIS = BOTTOMHOLE PRESSURE [KPA (ABS)]

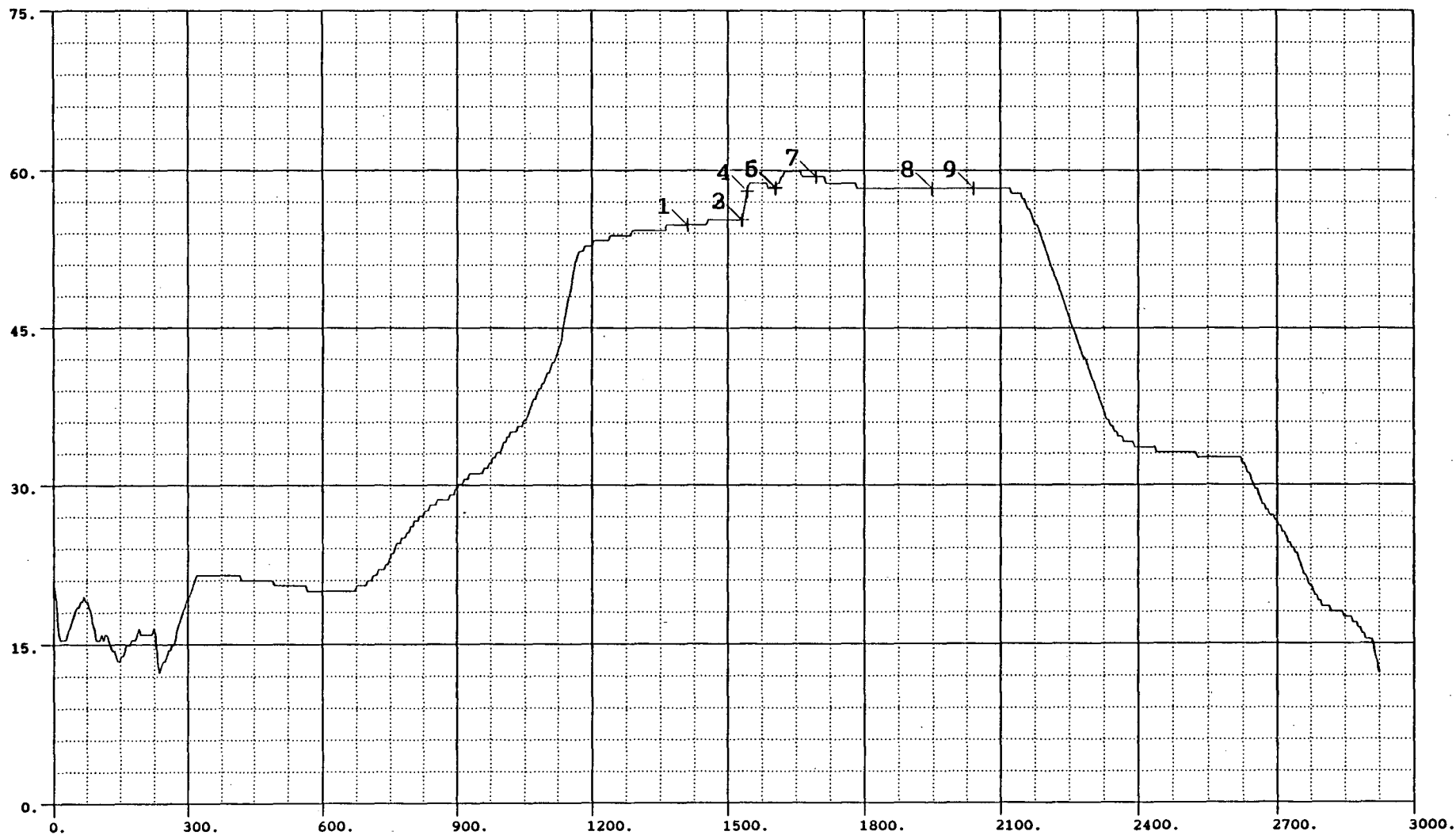
X-AXIS

BOTTOMHOLE TEMPERATURE PLOT

FIELD REPORT NO. : 301215BI
INSTRUMENT NO. : SM # 50115
DEPTH : 1479.26 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : Outside

COMPANY : PETRO CANADA INC.
WELL : PCI SWEDE E-02
DST# : TWO

Y-AXIS



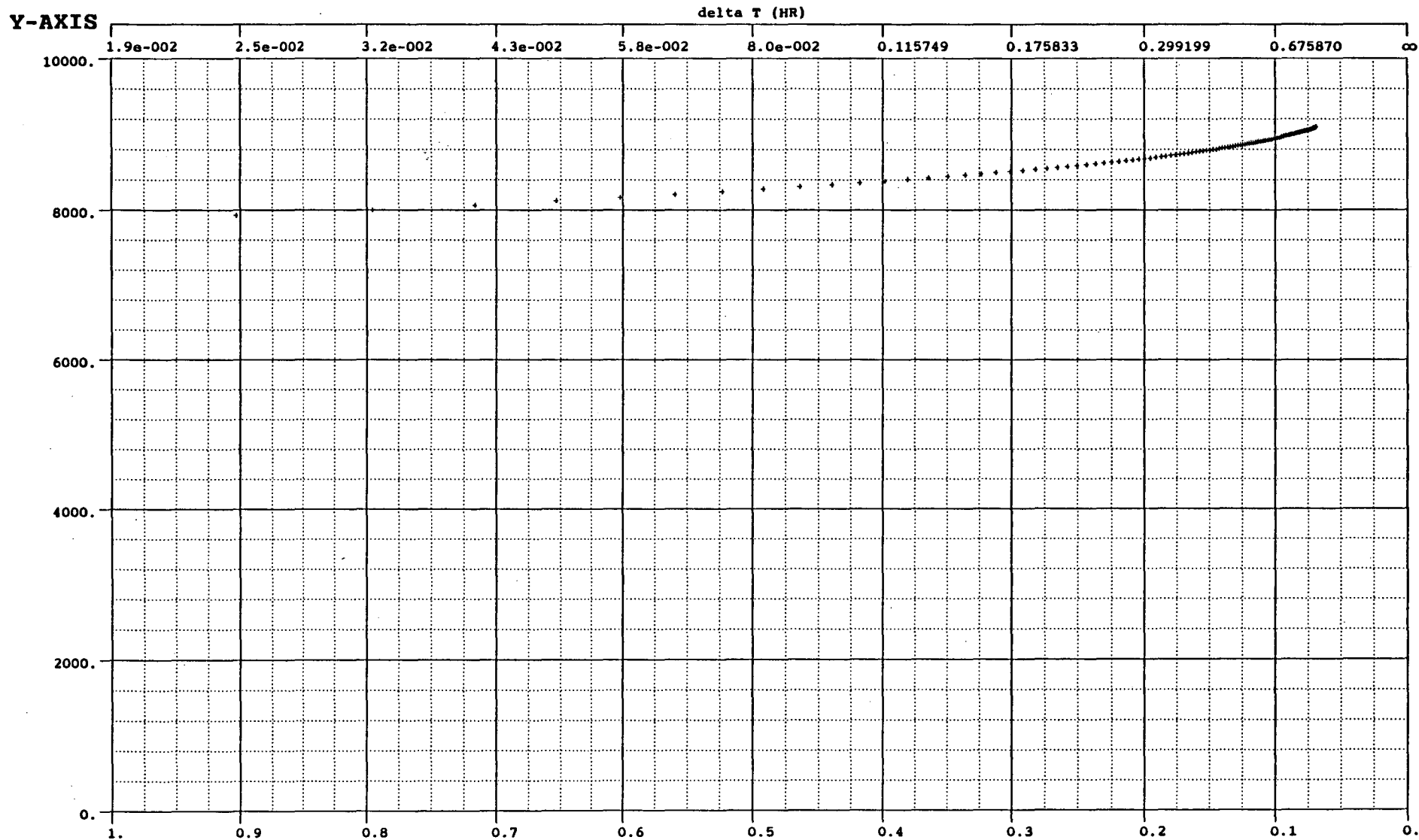
X-AXIS = ELAPSED TIME [MIN]
Y-AXIS = BOTTOMHOLE TEMPERATURE [CEL]

X-AXIS

H O R N A P L O T

FIELD REPORT#: 301215BI
INSTRUMENT#: SM # 50115
ELAPSED TIME RANGE: 1542.5 - 1604. MIN.
Delta T TIME RANGE: 8.3e-003 - 1.025 HR.
PRODUCING TIME [Tp]: 0.175 HR.

COMPANY: PETRO CANADA INC.
WELL: PCI SWEDE E-02
SHUTIN#: ONE
DST#: TWO



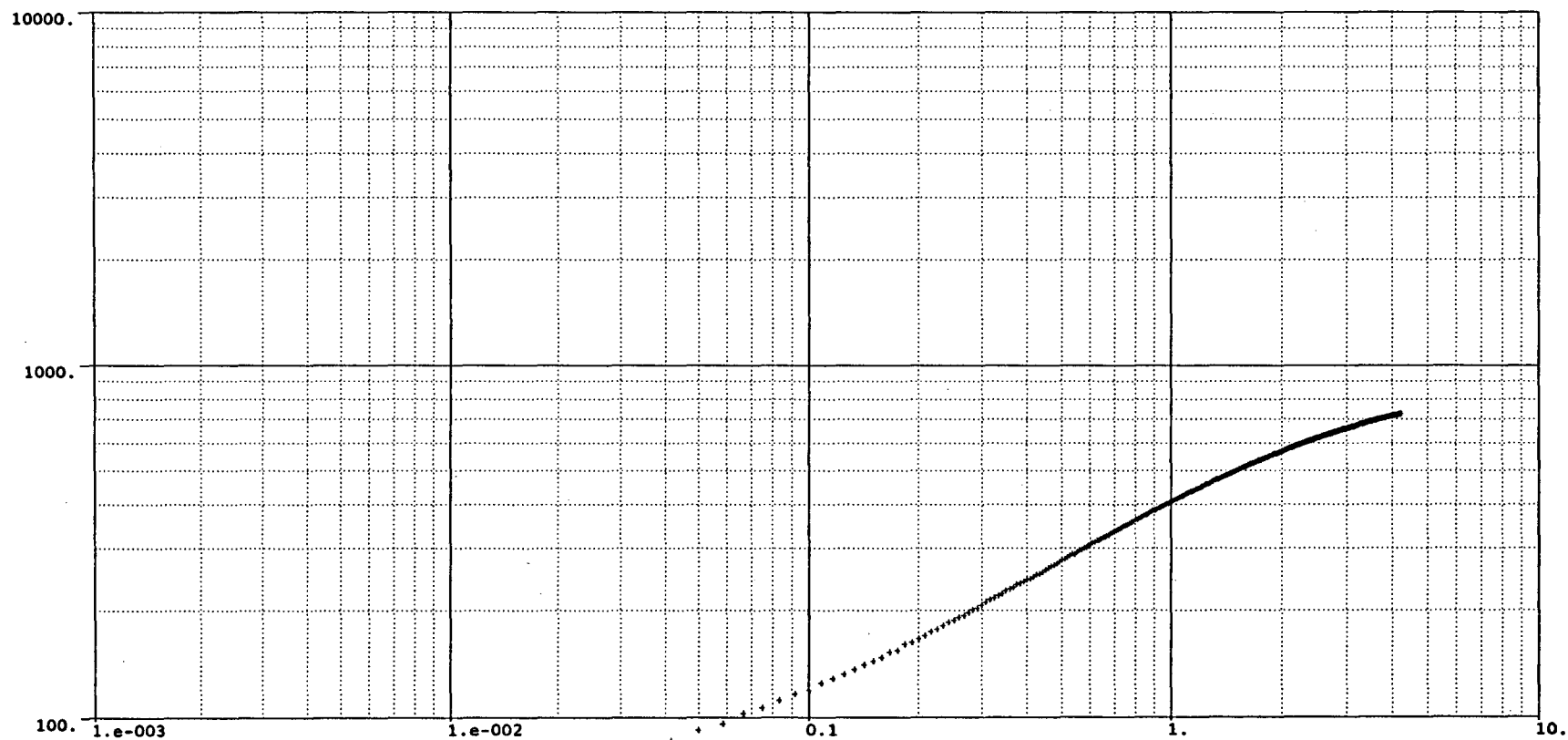
X-AXIS = $\text{LOG} \left[\frac{T_p + \text{delta T}}{\text{delta T}} \right]$
Y-AXIS = SHUTIN PRESSURE [KPA (ABS)]

X-AXIS

FIELD REPORT#: 301215BI
INSTRUMENT#: SM # 50115
ELAPSED TIME RANGE: 1694. - 1948. MIN.
Delta_T TIME RANGE: 8.3e-003 - 4.233333 HR.

COMPANY: PETRO CANADA INC.
WELL: PCI SWEDE E-02
SHUTIN#: TWO
DST#: TWO

Y-AXIS



X-AXIS

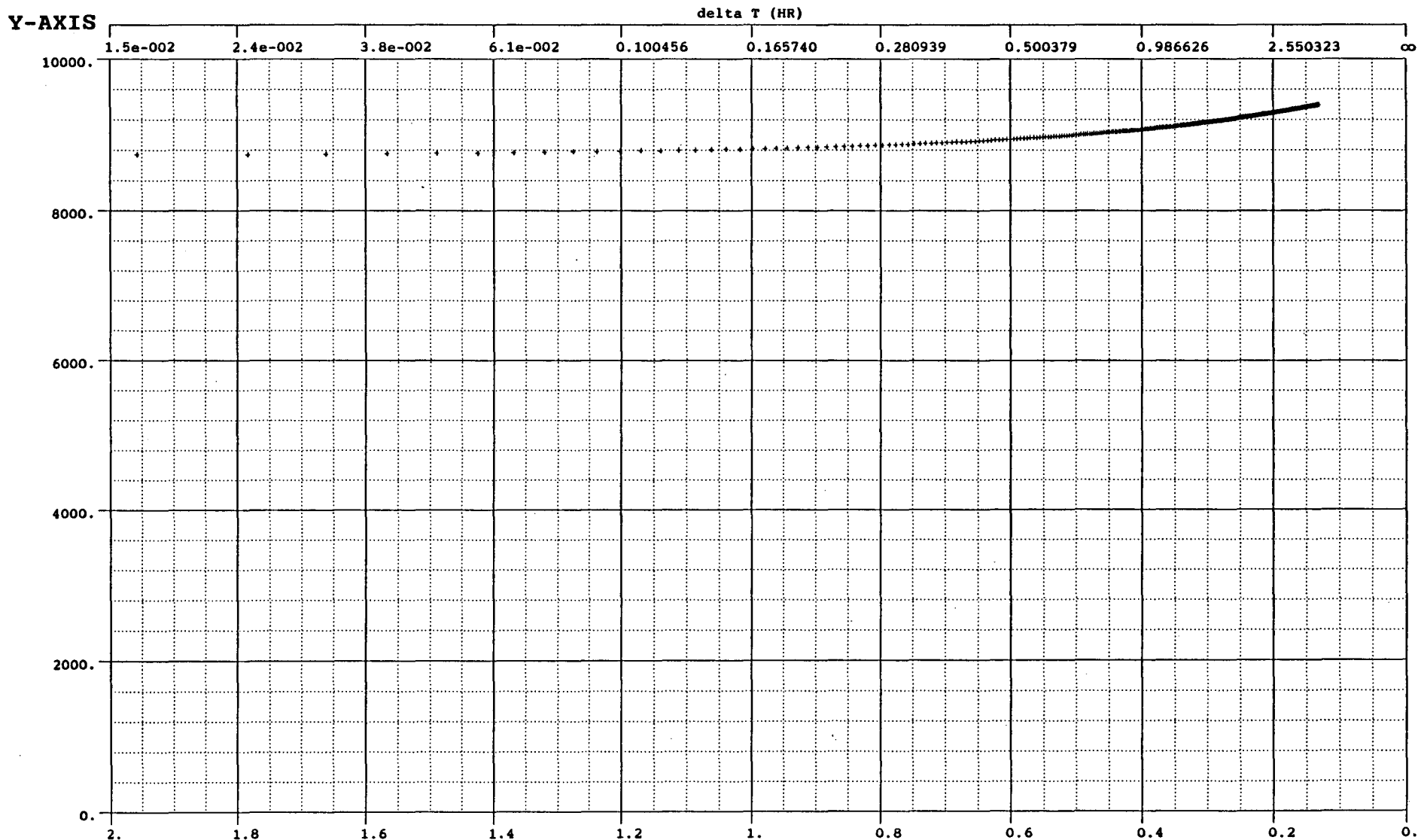
X-AXIS = delta T (HR)

Y-AXIS = delta P (KPA)

HORN & PLOT

FIELD REPORT#: 301215BI
INSTRUMENT#: SM # 50115
ELAPSED TIME RANGE: 1694. - 1948. MIN.
Delta T TIME RANGE: 8.3e-003 - 4.233333 HR.
PRODUCING TIME [Tp]: 1.491666667 HR.

COMPANY: PETRO CANADA INC.
WELL: PCI SWEDE E-02
SHUTIN#: TWO
DST#: TWO



X-AXIS = $\text{LOG} \left[\frac{(T_p + \text{delta } T)}{\text{delta } T} \right]$

Y-AXIS = SHUTIN PRESSURE [KPA (ABS)]

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1.0	89.6	20.4	41.0	89.6	17.1	81.0	89.6	18.3	121.0	89.6	15.8
1.5	89.6	20.3	41.5	89.6	17.1	81.5	89.6	18.3	121.5	89.6	15.8
2.0	89.6	20.2	42.0	89.6	17.2	82.0	89.6	18.2	122.0	89.6	15.7
2.5	89.6	20.2	42.5	89.6	17.3	82.5	89.6	18.2	122.5	89.6	15.6
3.0	89.6	20.1	43.0	89.6	17.3	83.0	89.6	18.1	123.0	89.6	15.6
3.5	89.6	20.1	43.5	89.6	17.4	83.5	89.6	18.0	123.5	89.6	15.5
4.0	89.6	20.0	44.0	89.6	17.5	84.0	89.6	18.0	124.0	89.6	15.4
4.5	89.6	19.7	44.5	89.6	17.5	84.5	89.6	17.8	124.5	89.6	15.4
5.0	89.6	19.4	45.0	89.6	17.6	85.0	89.6	17.7	125.0	89.6	15.3
5.5	95.8	19.0	45.5	89.6	17.7	85.5	89.6	17.6	125.5	89.6	15.3
6.0	89.6	18.7	46.0	89.6	17.7	86.0	89.6	17.5	126.0	89.6	15.2
6.5	96.5	18.4	46.5	89.6	17.8	86.5	89.6	17.3	126.5	89.6	15.1
7.0	89.6	18.1	47.0	89.6	17.8	87.0	89.6	17.2	127.0	89.6	15.1
7.5	89.6	17.8	47.5	89.6	17.9	87.5	89.6	17.1	127.5	89.6	15.0
8.0	89.6	17.5	48.0	89.6	18.0	88.0	89.6	17.0	128.0	89.6	14.9
8.5	89.6	17.3	48.5	89.6	18.0	88.5	89.6	16.9	128.5	89.6	14.9
9.0	89.6	17.1	49.0	89.6	18.1	89.0	89.6	16.8	129.0	89.6	14.8
9.5	89.6	16.9	49.5	89.6	18.2	89.5	89.6	16.8	129.5	89.6	14.7
10.0	89.6	16.7	50.0	89.6	18.2	90.0	89.6	16.7	130.0	89.6	14.7
10.5	89.6	16.5	50.5	89.6	18.3	90.5	89.6	16.6	130.5	89.6	14.6
11.0	89.6	16.3	51.0	89.6	18.3	91.0	89.6	16.6	131.0	89.6	14.6
11.5	89.6	16.1	51.5	89.6	18.4	91.5	89.6	16.5	131.5	89.6	14.5
12.0	89.6	15.9	52.0	89.6	18.5	92.0	89.6	16.5	132.0	89.6	14.4
12.5	89.6	15.9	52.5	89.6	18.5	92.5	89.6	16.3	132.5	89.6	14.4
13.0	89.6	15.8	53.0	89.6	18.5	93.0	89.6	16.2	133.0	89.6	14.4
13.5	89.6	15.8	53.5	89.6	18.5	93.5	89.6	16.1	133.5	89.6	14.4
14.0	89.6	15.7	54.0	89.6	18.5	94.0	89.6	15.9	134.0	89.6	14.4
14.5	89.6	15.6	54.5	89.6	18.5	94.5	89.6	15.8	134.5	89.6	14.4
15.0	89.6	15.6	55.0	89.6	18.5	95.0	89.6	15.7	135.0	89.6	14.4
15.5	89.6	15.5	55.5	89.6	18.5	95.5	89.6	15.6	135.5	89.6	14.4
16.0	89.6	15.4	56.0	89.6	18.5	96.0	89.6	15.4	136.0	89.6	14.4
16.5	89.6	15.4	56.5	89.6	18.5	96.5	89.6	15.4	136.5	89.6	14.4
17.0	89.6	15.4	57.0	89.6	18.6	97.0	89.6	15.4	137.0	89.6	14.3
17.5	89.6	15.4	57.5	89.6	18.7	97.5	89.6	15.4	137.5	89.6	14.2
18.0	89.6	15.4	58.0	89.6	18.7	98.0	89.6	15.4	138.0	89.6	14.2
18.5	89.6	15.4	58.5	89.6	18.8	98.5	89.6	15.4	138.5	89.6	14.1
19.0	89.6	15.4	59.0	89.6	18.9	99.0	89.6	15.4	139.0	89.6	14.1
19.5	89.6	15.4	59.5	89.6	18.9	99.5	89.6	15.4	139.5	89.6	14.0
20.0	89.6	15.4	60.0	89.6	19.0	100.0	89.6	15.4	140.0	89.6	13.9
20.5	89.6	15.4	60.5	89.6	19.0	100.5	89.6	15.4	140.5	89.6	13.9
21.0	89.6	15.4	61.0	89.6	19.0	101.0	89.6	15.4	141.0	89.6	13.8
21.5	89.6	15.4	61.5	89.6	19.0	101.5	89.6	15.4	141.5	89.6	13.7
22.0	89.6	15.4	62.0	89.6	19.0	102.0	89.6	15.4	142.0	89.6	13.7
22.5	89.6	15.4	62.5	89.6	19.0	102.5	89.6	15.4	142.5	89.6	13.6
23.0	89.6	15.4	63.0	89.6	19.0	103.0	89.6	15.4	143.0	89.6	13.5
23.5	89.6	15.4	63.5	89.6	19.0	103.5	89.6	15.4	143.5	89.6	13.5
24.0	89.6	15.4	64.0	89.6	19.0	104.0	89.6	15.4	144.0	89.6	13.4
24.5	89.6	15.4	64.5	89.6	19.0	104.5	89.6	15.5	144.5	89.6	13.4
25.0	89.6	15.4	65.0	89.6	19.1	105.0	89.6	15.6	145.0	89.6	13.4
25.5	89.6	15.4	65.5	89.6	19.2	105.5	89.6	15.6	145.5	89.6	13.4
26.0	89.6	15.4	66.0	89.6	19.2	106.0	89.6	15.7	146.0	89.6	13.4
26.5	89.6	15.4	66.5	89.6	19.3	106.5	89.6	15.8	146.5	89.6	13.4
27.0	89.6	15.4	67.0	89.6	19.4	107.0	89.6	15.8	147.0	89.6	13.4
27.5	89.6	15.4	67.5	89.6	19.4	107.5	89.6	15.9	147.5	89.6	13.4
28.0	89.6	15.4	68.0	89.6	19.5	108.0	89.6	15.9	148.0	89.6	13.4
28.5	89.6	15.5	68.5	89.6	19.4	108.5	89.6	15.9	148.5	89.6	13.5
29.0	89.6	15.6	69.0	89.6	19.4	109.0	89.6	15.8	149.0	89.6	13.5
29.5	89.6	15.6	69.5	89.6	19.3	109.5	89.6	15.8	149.5	89.6	13.6
30.0	89.6	15.7	70.0	89.6	19.2	110.0	89.6	15.7	150.0	89.6	13.7
30.5	89.6	15.8	70.5	89.6	19.2	110.5	89.6	15.6	150.5	89.6	13.7
31.0	89.6	15.8	71.0	89.6	19.1	111.0	89.6	15.6	151.0	89.6	13.8
31.5	89.6	15.9	71.5	89.6	19.0	111.5	89.6	15.5	151.5	89.6	13.9
32.0	89.6	15.9	72.0	89.6	19.0	112.0	89.6	15.4	152.0	89.6	13.9
32.5	89.6	16.0	72.5	89.6	19.0	112.5	89.6	15.5	152.5	89.6	13.9
33.0	89.6	16.1	73.0	89.6	19.0	113.0	89.6	15.6	153.0	89.6	13.9
33.5	89.6	16.1	73.5	89.6	19.0	113.5	89.6	15.6	153.5	89.6	13.9
34.0	89.6	16.2	74.0	89.6	19.0	114.0	89.6	15.7	154.0	89.6	13.9
34.5	89.6	16.3	74.5	89.6	19.0	114.5	89.6	15.8	154.5	89.6	13.9
35.0	89.6	16.3	75.0	89.6	19.0	115.0	89.6	15.8	155.0	89.6	13.9
35.5	89.6	16.4	75.5	89.6	19.0	115.5	89.6	15.9	155.5	89.6	13.9
36.0	89.6	16.5	76.0	89.6	19.0	116.0	89.6	15.9	156.0	89.6	13.9
36.5	89.6	16.5	76.5	89.6	18.9	116.5	89.6	15.9	156.5	89.6	14.0
37.0	89.6	16.6	77.0	89.6	18.9	117.0	89.6	15.9	157.0	89.6	14.1
37.5	89.6	16.6	77.5	89.6	18.8	117.5	89.6	15.9	157.5	89.6	14.1
38.0	89.6	16.7	78.0	89.6	18.7	118.0	89.6	15.9	158.0	89.6	14.2
38.5	89.6	16.8	78.5	89.6	18.7	118.5	89.6	15.9	158.5	89.6	14.2
39.0	89.6	16.8	79.0	89.6	18.6	119.0	89.6	15.9	159.0	89.6	14.3
39.5	89.6	16.9	79.5	89.6	18.5	119.5	89.6	15.9	159.5	89.6	14.4
40.0	89.6	17.0	80.0	89.6	18.5	120.0	89.6	15.9	160.0	89.6	14.4
40.5	89.6	17.0	80.5	89.6	18.4	120.5	89.6	15.9	160.5	89.6	14.5

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
161.0	89.6	14.6	201.0	89.6	15.9	241.0	171.6	13.0	281.0	248.8	17.1
161.5	89.6	14.6	201.5	89.6	15.9	241.5	171.6	13.1	281.5	248.2	17.1
162.0	89.6	14.7	202.0	89.6	15.9	242.0	170.9	13.2	282.0	246.8	17.2
162.5	89.6	14.7	202.5	89.6	15.9	242.5	170.9	13.2	282.5	247.5	17.3
163.0	89.6	14.8	203.0	89.6	15.9	243.0	170.2	13.3	283.0	247.5	17.3
163.5	89.6	14.9	203.5	89.6	15.9	243.5	170.2	13.4	283.5	248.2	17.4
164.0	89.6	14.9	204.0	89.6	15.9	244.0	170.2	13.4	284.0	247.5	17.5
164.5	89.6	14.9	204.5	89.6	15.9	244.5	170.2	13.4	284.5	247.5	17.5
165.0	89.6	14.9	205.0	89.6	15.9	245.0	169.6	13.4	285.0	248.8	17.6
165.5	89.6	14.9	205.5	89.6	15.9	245.5	168.9	13.4	285.5	247.5	17.7
166.0	89.6	14.9	206.0	89.6	15.9	246.0	170.2	13.4	286.0	248.2	17.7
166.5	89.6	14.9	206.5	89.6	15.9	246.5	170.2	13.4	286.5	248.2	17.8
167.0	89.6	14.9	207.0	89.6	15.9	247.0	169.6	13.4	287.0	248.2	17.8
167.5	89.6	14.9	207.5	89.6	15.9	247.5	170.9	13.4	287.5	248.8	17.9
168.0	89.6	14.9	208.0	89.6	15.9	248.0	170.9	13.4	288.0	248.2	18.0
168.5	89.6	14.9	208.5	89.6	15.9	248.5	170.2	13.5	288.5	244.7	18.0
169.0	89.6	14.9	209.0	89.6	15.9	249.0	170.2	13.5	289.0	270.9	18.1
169.5	89.6	14.9	209.5	89.6	15.9	249.5	170.2	13.6	289.5	270.9	18.2
170.0	89.6	14.9	210.0	89.6	15.9	250.0	168.9	13.7	290.0	270.2	18.2
170.5	89.6	14.9	210.5	89.6	15.9	250.5	169.6	13.7	290.5	270.2	18.3
171.0	89.6	14.9	211.0	89.6	15.9	251.0	170.2	13.8	291.0	270.9	18.3
171.5	89.6	14.9	211.5	89.6	15.9	251.5	169.6	13.9	291.5	268.8	18.4
172.0	89.6	14.9	212.0	89.6	15.9	252.0	169.6	13.9	292.0	270.9	18.5
172.5	89.6	15.0	212.5	89.6	15.9	252.5	169.6	14.0	292.5	270.2	18.5
173.0	89.6	15.1	213.0	89.6	15.9	253.0	170.2	14.1	293.0	270.9	18.6
173.5	89.6	15.1	213.5	89.6	15.9	253.5	169.6	14.1	293.5	271.6	18.7
174.0	89.6	15.2	214.0	89.6	15.9	254.0	168.9	14.2	294.0	270.9	18.7
174.5	89.6	15.3	214.5	89.6	15.9	254.5	168.9	14.2	294.5	270.2	18.8
175.0	89.6	15.3	215.0	89.6	15.9	255.0	170.2	14.3	295.0	269.5	18.9
175.5	89.6	15.4	215.5	89.6	15.9	255.5	169.6	14.4	295.5	268.8	18.9
176.0	89.6	15.4	216.0	89.6	15.9	256.0	169.6	14.4	296.0	270.2	19.0
176.5	89.6	15.4	216.5	89.6	15.9	256.5	169.6	14.4	296.5	270.9	19.0
177.0	89.6	15.4	217.0	89.6	15.9	257.0	168.9	14.4	297.0	270.2	19.1
177.5	89.6	15.4	217.5	89.6	15.9	257.5	169.6	14.4	297.5	270.2	19.2
178.0	89.6	15.4	218.0	89.6	15.9	258.0	168.9	14.4	298.0	269.5	19.2
178.5	89.6	15.4	218.5	89.6	15.9	258.5	170.2	14.4	298.5	271.6	19.3
179.0	89.6	15.4	219.0	89.6	15.9	259.0	169.6	14.4	299.0	268.8	19.4
179.5	89.6	15.4	219.5	89.6	15.9	259.5	169.6	14.4	299.5	269.5	19.4
180.0	89.6	15.4	220.0	89.6	15.9	260.0	169.6	14.4	300.0	270.2	19.5
180.5	89.6	15.4	220.5	89.6	16.0	260.5	169.6	14.5	300.5	269.5	19.5
181.0	89.6	15.4	221.0	89.6	16.1	261.0	168.9	14.6	301.0	268.8	19.5
181.5	89.6	15.4	221.5	89.6	16.1	261.5	168.9	14.6	301.5	270.2	19.5
182.0	89.6	15.4	222.0	89.6	16.2	262.0	168.9	14.7	302.0	269.5	19.5
182.5	89.6	15.4	222.5	89.6	16.3	262.5	168.2	14.7	302.5	270.2	19.5
183.0	89.6	15.4	223.0	89.6	16.3	263.0	168.9	14.8	303.0	269.5	19.5
183.5	89.6	15.4	223.5	89.6	16.4	263.5	168.9	14.9	303.5	270.2	19.5
184.0	89.6	15.4	224.0	89.6	16.5	264.0	168.9	14.9	304.0	269.5	19.5
184.5	89.6	15.5	224.5	89.6	16.4	264.5	169.6	14.9	304.5	269.5	19.5
185.0	89.6	15.6	225.0	89.6	16.3	265.0	169.6	14.9	305.0	269.5	19.6
185.5	89.6	15.6	225.5	89.6	16.3	265.5	169.6	14.9	305.5	273.7	19.7
186.0	89.6	15.7	226.0	89.6	16.2	266.0	168.9	14.9	306.0	273.0	19.7
186.5	89.6	15.8	226.5	89.6	16.1	266.5	169.6	14.9	306.5	273.0	19.8
187.0	89.6	15.8	227.0	89.6	16.1	267.0	167.5	14.9	307.0	486.0	19.9
187.5	89.6	15.9	227.5	89.6	16.0	267.5	167.5	14.9	307.5	559.1	19.9
188.0	89.6	15.9	228.0	89.6	15.9	268.0	169.6	14.9	308.0	566.7	20.0
188.5	89.6	16.0	228.5	89.6	15.6	268.5	164.0	15.0	308.5	566.0	20.1
189.0	89.6	16.1	229.0	89.6	15.3	269.0	191.6	15.1	309.0	566.0	20.1
189.5	89.6	16.1	229.5	89.6	15.0	269.5	188.9	15.1	309.5	566.7	20.2
190.0	89.6	16.2	230.0	89.6	14.7	270.0	205.4	15.2	310.0	567.4	20.2
190.5	89.6	16.3	230.5	89.6	14.4	270.5	206.8	15.3	310.5	566.0	20.3
191.0	89.6	16.3	231.0	89.6	14.1	271.0	206.1	15.3	311.0	566.7	20.4
191.5	89.6	16.4	231.5	89.6	13.7	271.5	215.8	15.4	311.5	566.7	20.4
192.0	89.6	16.5	232.0	115.1	13.4	272.0	216.4	15.4	312.0	566.7	20.5
192.5	89.6	16.4	232.5	120.6	13.3	272.5	216.4	15.6	312.5	566.7	20.6
193.0	89.6	16.3	233.0	122.7	13.2	273.0	216.4	15.7	313.0	568.1	20.6
193.5	89.6	16.3	233.5	131.6	13.0	273.5	215.1	15.8	313.5	566.0	20.7
194.0	89.6	16.2	234.0	129.6	12.9	274.0	215.8	15.9	314.0	561.2	20.7
194.5	89.6	16.1	234.5	131.6	12.8	274.5	216.4	16.1	314.5	912.1	20.8
195.0	89.6	16.1	235.0	145.4	12.7	275.0	213.0	16.2	315.0	871.4	20.9
195.5	89.6	16.0	235.5	141.3	12.5	275.5	226.1	16.3	315.5	870.1	20.9
196.0	89.6	15.9	236.0	149.6	12.4	276.0	237.8	16.5	316.0	869.4	21.0
196.5	89.6	15.9	236.5	155.8	12.5	276.5	237.8	16.5	316.5	869.4	21.1
197.0	89.6	15.9	237.0	155.8	12.5	277.0	238.5	16.6	317.0	872.1	21.1
197.5	89.6	15.9	237.5	162.0	12.6	277.5	237.1	16.6	317.5	870.8	21.2
198.0	89.6	15.9	238.0	168.9	12.7	278.0	237.8	16.7	318.0	870.1	21.3
198.5	89.6	15.9	238.5	170.2	12.7	278.5	244.7	16.8	318.5	870.1	21.3
199.0	89.6	15.9	239.0	172.3	12.8	279.0	248.2	16.8	319.0	870.8	21.4
199.5	89.6	15.9	239.5	171.6	12.9	279.5	248.2	16.9	319.5	1154.1	21.4
200.0	89.6	15.9	240.0	172.3	12.9	280.0	248.2	17.0	320.0	1158.9	21.5
200.5	89.6	15.9	240.5	170.9	13.0	280.5	247.5	17.0	320.5	1158.3	21.5

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
321.0	1159.6	21.5	361.0	2186.3	21.5	401.0	2368.3	21.5	441.0	2366.2	21.0
321.5	1158.9	21.5	361.5	2203.5	21.5	401.5	2368.3	21.5	441.5	2365.5	21.0
322.0	1158.9	21.5	362.0	2204.2	21.5	402.0	2369.0	21.5	442.0	2365.5	21.0
322.5	1159.6	21.5	362.5	2215.9	21.5	402.5	2369.0	21.5	442.5	2366.2	21.0
323.0	1159.6	21.5	363.0	2216.6	21.5	403.0	2368.3	21.5	443.0	2365.5	21.0
323.5	1158.9	21.5	363.5	2239.3	21.5	403.5	2368.3	21.5	443.5	2364.8	21.0
324.0	1159.6	21.5	364.0	2238.0	21.5	404.0	2366.9	21.5	444.0	2365.5	21.0
324.5	1158.3	21.5	364.5	2205.6	21.5	404.5	2366.9	21.5	444.5	2364.8	21.0
325.0	1160.3	21.5	365.0	2207.6	21.5	405.0	2368.3	21.5	445.0	2364.8	21.0
325.5	1559.5	21.5	365.5	2246.9	21.5	405.5	2369.0	21.5	445.5	2366.2	21.0
326.0	1433.4	21.5	366.0	2369.0	21.5	406.0	2369.7	21.5	446.0	2365.5	21.0
326.5	1432.0	21.5	366.5	2371.0	21.5	406.5	2368.3	21.5	446.5	2365.5	21.0
327.0	1433.4	21.5	367.0	2369.7	21.5	407.0	2368.3	21.5	447.0	2364.8	21.0
327.5	1432.7	21.5	367.5	2370.3	21.5	407.5	2369.7	21.5	447.5	2364.8	21.0
328.0	1434.0	21.5	368.0	2371.0	21.5	408.0	2369.0	21.5	448.0	2366.2	21.0
328.5	1434.0	21.5	368.5	2373.1	21.5	408.5	2369.0	21.5	448.5	2365.5	21.0
329.0	1433.4	21.5	369.0	2371.0	21.5	409.0	2368.3	21.5	449.0	2365.5	21.0
329.5	1432.7	21.5	369.5	2370.3	21.5	409.5	2368.3	21.5	449.5	2365.5	21.0
330.0	1432.7	21.5	370.0	2370.3	21.5	410.0	2368.3	21.5	450.0	2366.9	21.0
330.5	1433.4	21.5	370.5	2371.0	21.5	410.5	2368.3	21.5	450.5	2366.9	21.0
331.0	1434.0	21.5	371.0	2371.0	21.5	411.0	2368.3	21.5	451.0	2368.3	21.0
331.5	1631.9	21.5	371.5	2371.7	21.5	411.5	2369.0	21.5	451.5	2367.6	21.0
332.0	1726.4	21.5	372.0	2370.3	21.5	412.0	2369.0	21.5	452.0	2367.6	21.0
332.5	1727.8	21.5	372.5	2370.3	21.5	412.5	2368.3	21.5	452.5	2366.9	21.0
333.0	1726.4	21.5	373.0	2371.7	21.5	413.0	2368.3	21.5	453.0	2366.9	21.0
333.5	1727.8	21.5	373.5	2370.3	21.5	413.5	2369.7	21.5	453.5	2367.6	21.0
334.0	1727.8	21.5	374.0	2371.0	21.5	414.0	2369.7	21.5	454.0	2366.9	21.0
334.5	1727.1	21.5	374.5	2369.7	21.5	414.5	2369.0	21.5	454.5	2366.2	21.0
335.0	1727.8	21.5	375.0	2370.3	21.5	415.0	2368.3	21.5	455.0	2366.9	21.0
335.5	1727.8	21.5	375.5	2369.7	21.5	415.5	2369.7	21.5	455.5	2366.9	21.0
336.0	1727.1	21.5	376.0	2371.0	21.5	416.0	2368.3	21.5	456.0	2367.6	21.0
336.5	1726.4	21.5	376.5	2371.0	21.5	416.5	2337.3	21.4	456.5	2367.6	21.0
337.0	1727.8	21.5	377.0	2370.3	21.5	417.0	2367.6	21.4	457.0	2367.6	21.0
337.5	1929.1	21.5	377.5	2371.0	21.5	417.5	2366.9	21.3	457.5	2366.9	21.0
338.0	2028.4	21.5	378.0	2370.3	21.5	418.0	2366.9	21.3	458.0	2366.9	21.0
338.5	2029.1	21.5	378.5	2370.3	21.5	418.5	2367.6	21.2	458.5	2366.9	21.0
339.0	2029.1	21.5	379.0	2369.0	21.5	419.0	2366.9	21.1	459.0	2366.9	21.0
339.5	2029.7	21.5	379.5	2370.3	21.5	419.5	2366.2	21.1	459.5	2366.9	21.0
340.0	2029.1	21.5	380.0	2369.7	21.5	420.0	2366.9	21.0	460.0	2366.2	21.0
340.5	2029.7	21.5	380.5	2369.7	21.5	420.5	2366.2	21.0	460.5	2366.9	21.0
341.0	2029.7	21.5	381.0	2370.3	21.5	421.0	2366.9	21.0	461.0	2367.6	21.0
341.5	2029.1	21.5	381.5	2370.3	21.5	421.5	2366.2	21.0	461.5	2366.2	21.0
342.0	2029.7	21.5	382.0	2370.3	21.5	422.0	2366.2	21.0	462.0	2366.9	21.0
342.5	2029.7	21.5	382.5	2369.7	21.5	422.5	2366.9	21.0	462.5	2366.2	21.0
343.0	2185.6	21.5	383.0	2369.7	21.5	423.0	2366.9	21.0	463.0	2366.2	21.0
343.5	2314.5	21.5	383.5	2370.3	21.5	423.5	2366.9	21.0	463.5	2366.2	21.0
344.0	2252.4	21.5	384.0	2370.3	21.5	424.0	2366.2	21.0	464.0	2365.5	21.0
344.5	2191.1	21.5	384.5	2370.3	21.5	424.5	2366.9	21.0	464.5	2366.2	21.0
345.0	2192.5	21.5	385.0	2369.0	21.5	425.0	2366.9	21.0	465.0	2366.2	21.0
345.5	2192.5	21.5	385.5	2370.3	21.5	425.5	2366.2	21.0	465.5	2366.9	21.0
346.0	2201.4	21.5	386.0	2369.7	21.5	426.0	2366.9	21.0	466.0	2366.2	21.0
346.5	2194.5	21.5	386.5	2369.7	21.5	426.5	2366.2	21.0	466.5	2365.5	21.0
347.0	2195.2	21.5	387.0	2369.7	21.5	427.0	2366.2	21.0	467.0	2366.2	21.0
347.5	2194.5	21.5	387.5	2369.0	21.5	427.5	2366.2	21.0	467.5	2366.2	21.0
348.0	2195.9	21.5	388.0	2369.7	21.5	428.0	2366.2	21.0	468.0	2366.2	21.0
348.5	2195.9	21.5	388.5	2369.0	21.5	428.5	2366.2	21.0	468.5	2365.5	21.0
349.0	2195.2	21.5	389.0	2369.7	21.5	429.0	2365.5	21.0	469.0	2364.8	21.0
349.5	2195.9	21.5	389.5	2369.7	21.5	429.5	2366.2	21.0	469.5	2366.2	21.0
350.0	2195.9	21.5	390.0	2369.7	21.5	430.0	2366.9	21.0	470.0	2365.5	21.0
350.5	2195.9	21.5	390.5	2369.7	21.5	430.5	2366.2	21.0	470.5	2366.2	21.0
351.0	2195.2	21.5	391.0	2370.3	21.5	431.0	2365.5	21.0	471.0	2366.2	21.0
351.5	2195.2	21.5	391.5	2369.7	21.5	431.5	2366.9	21.0	471.5	2364.8	21.0
352.0	2195.9	21.5	392.0	2369.0	21.5	432.0	2366.2	21.0	472.0	2365.5	21.0
352.5	2195.9	21.5	392.5	2369.0	21.5	432.5	2366.2	21.0	472.5	2365.5	21.0
353.0	2195.2	21.5	393.0	2369.7	21.5	433.0	2365.5	21.0	473.0	2366.2	21.0
353.5	2195.9	21.5	393.5	2369.7	21.5	433.5	2365.5	21.0	473.5	2366.2	21.0
354.0	2195.2	21.5	394.0	2369.7	21.5	434.0	2366.2	21.0	474.0	2366.2	21.0
354.5	2195.2	21.5	394.5	2369.7	21.5	434.5	2365.5	21.0	474.5	2366.2	21.0
355.0	2195.9	21.5	395.0	2369.0	21.5	435.0	2365.5	21.0	475.0	2365.5	21.0
355.5	2195.9	21.5	395.5	2369.7	21.5	435.5	2365.5	21.0	475.5	2365.5	21.0
356.0	2195.9	21.5	396.0	2369.7	21.5	436.0	2366.2	21.0	476.0	2366.2	21.0
356.5	2195.9	21.5	396.5	2369.0	21.5	436.5	2365.5	21.0	476.5	2366.2	21.0
357.0	2195.2	21.5	397.0	2369.0	21.5	437.0	2365.5	21.0	477.0	2366.2	21.0
357.5	2194.5	21.5	397.5	2369.7	21.5	437.5	2365.5	21.0	477.5	2365.5	21.0
358.0	2193.8	21.5	398.0	2369.7	21.5	438.0	2365.5	21.0	478.0	2364.8	21.0
358.5	2194.5	21.5	398.5	2368.3	21.5	438.5	2365.5	21.0	478.5	2366.2	21.0
359.0	2195.2	21.5	399.0	2369.0	21.5	439.0	2365.5	21.0	479.0	2366.2	21.0
359.5	2195.2	21.5	399.5	2368.3	21.5	439.5	2365.5	21.0	479.5	2365.5	21.0
360.0	2195.2	21.5	400.0	2369.0	21.5	440.0	2365.5	21.0	480.0	2365.5	21.0
360.5	2195.9	21.5	400.5	2369.0	21.5	440.5	2365.5	21.0	480.5	2365.5	21.0

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
481.0	2365.5	21.0	521.0	2362.8	20.5	561.0	2362.8	20.5	601.0	2361.4	20.0
481.5	2366.2	21.0	521.5	2362.8	20.5	561.5	2363.5	20.5	601.5	2362.1	20.0
482.0	2365.5	21.0	522.0	2364.1	20.5	562.0	2362.8	20.5	602.0	2361.4	20.0
482.5	2365.5	21.0	522.5	2362.1	20.5	562.5	2362.8	20.5	602.5	2361.4	20.0
483.0	2364.8	21.0	523.0	2363.5	20.5	563.0	2362.1	20.5	603.0	2361.4	20.0
483.5	2365.5	21.0	523.5	2363.5	20.5	563.5	2362.1	20.5	603.5	2361.4	20.0
484.0	2364.8	21.0	524.0	2362.8	20.5	564.0	2361.4	20.5	604.0	2362.1	20.0
484.5	2366.2	21.0	524.5	2362.1	20.5	564.5	2361.4	20.4	604.5	2361.4	20.0
485.0	2364.8	21.0	525.0	2362.8	20.5	565.0	2362.1	20.4	605.0	2360.7	20.0
485.5	2364.8	21.0	525.5	2363.5	20.5	565.5	2362.8	20.3	605.5	2362.8	20.0
486.0	2365.5	21.0	526.0	2363.5	20.5	566.0	2362.1	20.2	606.0	2360.7	20.0
486.5	2365.5	21.0	526.5	2362.1	20.5	566.5	2362.8	20.2	606.5	2361.4	20.0
487.0	2364.8	21.0	527.0	2361.4	20.5	567.0	2362.1	20.1	607.0	2361.4	20.0
487.5	2364.8	21.0	527.5	2362.8	20.5	567.5	2362.8	20.1	607.5	2361.4	20.0
488.0	2364.8	21.0	528.0	2362.8	20.5	568.0	2363.5	20.0	608.0	2361.4	20.0
488.5	2366.2	21.0	528.5	2362.1	20.5	568.5	2362.1	20.0	608.5	2362.1	20.0
489.0	2364.8	21.0	529.0	2364.1	20.5	569.0	2362.1	20.0	609.0	2363.5	20.0
489.5	2364.1	21.0	529.5	2362.1	20.5	569.5	2362.8	20.0	609.5	2361.4	20.0
490.0	2366.2	21.0	530.0	2362.8	20.5	570.0	2363.5	20.0	610.0	2360.7	20.0
490.5	2365.5	21.0	530.5	2362.1	20.5	570.5	2362.1	20.0	610.5	2362.1	20.0
491.0	2365.5	21.0	531.0	2361.4	20.5	571.0	2363.5	20.0	611.0	2361.4	20.0
491.5	2366.2	21.0	531.5	2362.1	20.5	571.5	2362.1	20.0	611.5	2360.7	20.0
492.0	2365.5	21.0	532.0	2361.4	20.5	572.0	2363.5	20.0	612.0	2360.7	20.0
492.5	2364.8	20.9	532.5	2361.4	20.5	572.5	2362.1	20.0	612.5	2359.3	20.0
493.0	2365.5	20.9	533.0	2361.4	20.5	573.0	2362.8	20.0	613.0	2362.1	20.0
493.5	2364.8	20.8	533.5	2360.7	20.5	573.5	2362.8	20.0	613.5	2362.1	20.0
494.0	2364.8	20.7	534.0	2361.4	20.5	574.0	2362.8	20.0	614.0	2362.1	20.0
494.5	2365.5	20.7	534.5	2362.1	20.5	574.5	2362.1	20.0	614.5	2361.4	20.0
495.0	2364.8	20.6	535.0	2361.4	20.5	575.0	2362.1	20.0	615.0	2360.7	20.0
495.5	2366.2	20.6	535.5	2362.1	20.5	575.5	2362.8	20.0	615.5	2361.4	20.0
496.0	2366.2	20.5	536.0	2362.1	20.5	576.0	2363.5	20.0	616.0	2361.4	20.0
496.5	2366.2	20.5	536.5	2361.4	20.5	576.5	2363.5	20.0	616.5	2358.6	20.0
497.0	2364.8	20.5	537.0	2362.8	20.5	577.0	2362.1	20.0	617.0	2357.9	20.0
497.5	2364.8	20.5	537.5	2361.4	20.5	577.5	2362.1	20.0	617.5	2360.7	20.0
498.0	2366.2	20.5	538.0	2362.1	20.5	578.0	2362.1	20.0	618.0	2362.1	20.0
498.5	2364.8	20.5	538.5	2362.1	20.5	578.5	2362.8	20.0	618.5	2362.8	20.0
499.0	2364.8	20.5	539.0	2360.7	20.5	579.0	2362.8	20.0	619.0	2362.1	20.0
499.5	2364.1	20.5	539.5	2361.4	20.5	579.5	2362.1	20.0	619.5	2362.1	20.0
500.0	2364.1	20.5	540.0	2362.1	20.5	580.0	2362.8	20.0	620.0	2360.7	20.0
500.5	2364.1	20.5	540.5	2361.4	20.5	580.5	2362.1	20.0	620.5	2360.7	20.0
501.0	2366.2	20.5	541.0	2360.7	20.5	581.0	2361.4	20.0	621.0	2361.4	20.0
501.5	2364.8	20.5	541.5	2360.7	20.5	581.5	2362.1	20.0	621.5	2361.4	20.0
502.0	2364.8	20.5	542.0	2361.4	20.5	582.0	2362.8	20.0	622.0	2362.1	20.0
502.5	2364.8	20.5	542.5	2360.7	20.5	582.5	2362.8	20.0	622.5	2361.4	20.0
503.0	2362.8	20.5	543.0	2361.4	20.5	583.0	2361.4	20.0	623.0	2362.1	20.0
503.5	2366.2	20.5	543.5	2361.4	20.5	583.5	2362.1	20.0	623.5	2359.3	20.0
504.0	2364.8	20.5	544.0	2360.7	20.5	584.0	2362.8	20.0	624.0	2361.4	20.0
504.5	2363.5	20.5	544.5	2361.4	20.5	584.5	2362.1	20.0	624.5	2361.4	20.0
505.0	2364.8	20.5	545.0	2361.4	20.5	585.0	2362.8	20.0	625.0	2359.3	20.0
505.5	2366.2	20.5	545.5	2360.7	20.5	585.5	2360.7	20.0	625.5	2357.2	20.0
506.0	2364.8	20.5	546.0	2360.7	20.5	586.0	2362.8	20.0	626.0	2357.2	20.0
506.5	2363.5	20.5	546.5	2361.4	20.5	586.5	2362.8	20.0	626.5	2357.9	20.0
507.0	2363.5	20.5	547.0	2362.8	20.5	587.0	2362.8	20.0	627.0	2358.6	20.0
507.5	2364.8	20.5	547.5	2361.4	20.5	587.5	2362.1	20.0	627.5	2358.6	20.0
508.0	2363.5	20.5	548.0	2361.4	20.5	588.0	2362.1	20.0	628.0	2362.1	20.0
508.5	2364.8	20.5	548.5	2360.7	20.5	588.5	2362.8	20.0	628.5	2360.7	20.0
509.0	2364.8	20.5	549.0	2361.4	20.5	589.0	2362.8	20.0	629.0	2496.5	20.0
509.5	2364.8	20.5	549.5	2360.7	20.5	589.5	2362.8	20.0	629.5	2476.5	20.0
510.0	2363.5	20.5	550.0	2360.0	20.5	590.0	2362.8	20.0	630.0	2482.7	20.0
510.5	2364.1	20.5	550.5	2362.1	20.5	590.5	2362.1	20.0	630.5	2483.4	20.0
511.0	2364.1	20.5	551.0	2361.4	20.5	591.0	2362.8	20.0	631.0	2482.7	20.0
511.5	2362.8	20.5	551.5	2360.0	20.5	591.5	2361.4	20.0	631.5	2482.0	20.0
512.0	2363.5	20.5	552.0	2362.1	20.5	592.0	2362.1	20.0	632.0	2483.4	20.0
512.5	2364.1	20.5	552.5	2361.4	20.5	592.5	2362.1	20.0	632.5	2482.0	20.0
513.0	2364.1	20.5	553.0	2362.8	20.5	593.0	2362.8	20.0	633.0	2482.7	20.0
513.5	2364.1	20.5	553.5	2362.8	20.5	593.5	2362.1	20.0	633.5	2484.1	20.0
514.0	2364.1	20.5	554.0	2363.5	20.5	594.0	2361.4	20.0	634.0	2483.4	20.0
514.5	2363.5	20.5	554.5	2362.8	20.5	594.5	2362.8	20.0	634.5	2482.0	20.0
515.0	2364.1	20.5	555.0	2362.1	20.5	595.0	2360.7	20.0	635.0	2483.4	20.0
515.5	2364.1	20.5	555.5	2364.1	20.5	595.5	2362.1	20.0	635.5	2482.0	20.0
516.0	2364.1	20.5	556.0	2362.1	20.5	596.0	2362.8	20.0	636.0	2482.7	20.0
516.5	2362.8	20.5	556.5	2362.1	20.5	596.5	2361.4	20.0	636.5	2482.0	20.0
517.0	2364.8	20.5	557.0	2363.5	20.5	597.0	2362.1	20.0	637.0	2482.0	20.0
517.5	2363.5	20.5	557.5	2362.8	20.5	597.5	2362.1	20.0	637.5	2482.7	20.0
518.0	2362.8	20.5	558.0	2363.5	20.5	598.0	2361.4	20.0	638.0	2483.4	20.0
518.5	2363.5	20.5	558.5	2362.1	20.5	598.5	2361.4	20.0	638.5	2482.7	20.0
519.0	2363.5	20.5	559.0	2362.1	20.5	599.0	2362.1	20.0	639.0	2611.7	20.0
519.5	2363.5	20.5	559.5	2363.5	20.5	599.5	2361.4	20.0	639.5	2593.7	20.0
520.0	2363.5	20.5	560.0	2362.1	20.5	600.0	2362.1	20.0	640.0	2593.0	20.0
520.5	2362.8	20.5	560.5	2362.1	20.5	600.5	2361.4	20.0	640.5	2595.1	20.0

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
641.0	2593.0	20.0	681.0	3127.4	20.5	721.0	4085.7	21.6	761.0	5258.5	24.2
641.5	2593.7	20.0	681.5	3128.8	20.5	721.5	4085.7	21.7	761.5	5368.2	24.2
642.0	2593.0	20.0	682.0	3128.1	20.5	722.0	4086.4	21.8	762.0	5353.7	24.3
642.5	2593.0	20.0	682.5	3127.4	20.5	722.5	4085.1	21.8	762.5	5355.1	24.3
643.0	2626.1	20.0	683.0	3238.4	20.5	723.0	4085.7	21.9	763.0	5353.0	24.4
643.5	2699.2	20.0	683.5	3240.5	20.5	723.5	4086.4	21.9	763.5	5353.0	24.5
644.0	2697.8	20.0	684.0	3237.7	20.5	724.0	4085.7	22.0	764.0	5352.3	24.5
644.5	2699.2	20.0	684.5	3239.1	20.5	724.5	4080.9	22.0	764.5	5350.9	24.5
645.0	2699.9	20.0	685.0	3237.7	20.5	725.0	4201.6	22.0	765.0	5350.9	24.5
645.5	2699.9	20.0	685.5	3237.7	20.5	725.5	4203.0	22.0	765.5	5348.9	24.5
646.0	2699.2	20.0	686.0	3238.4	20.5	726.0	4203.0	22.0	766.0	5348.9	24.5
646.5	2698.5	20.0	686.5	3341.1	20.5	726.5	4202.3	22.0	766.5	5348.2	24.5
647.0	2696.5	20.0	687.0	3351.5	20.5	727.0	4201.6	22.0	767.0	5347.5	24.5
647.5	2699.2	20.0	687.5	3348.0	20.5	727.5	4199.5	22.0	767.5	5347.5	24.5
648.0	2698.5	20.0	688.0	3347.3	20.5	728.0	4198.8	22.0	768.0	5346.8	24.5
648.5	2757.8	20.0	688.5	3348.7	20.5	728.5	4198.1	22.0	768.5	5347.5	24.5
649.0	2802.6	20.0	689.0	3345.3	20.5	729.0	4391.2	22.0	769.0	5346.1	24.5
649.5	2802.0	20.0	689.5	3347.3	20.5	729.5	4315.3	22.0	769.5	5345.4	24.5
650.0	2802.0	20.0	690.0	3479.7	20.5	730.0	4315.3	22.0	770.0	5346.8	24.5
650.5	2801.3	20.0	690.5	3450.1	20.5	730.5	4313.3	22.0	770.5	5346.1	24.5
651.0	2801.3	20.0	691.0	3449.4	20.5	731.0	4312.6	22.0	771.0	5346.1	24.5
651.5	2800.6	20.0	691.5	3448.0	20.5	731.5	4206.4	22.0	771.5	5345.4	24.5
652.0	2802.6	20.0	692.0	3448.0	20.5	732.0	4420.1	22.0	772.0	5346.1	24.5
652.5	2910.9	20.0	692.5	3448.0	20.5	732.5	4420.8	22.0	772.5	5345.4	24.6
653.0	2907.4	20.0	693.0	3410.1	20.5	733.0	4420.1	22.0	773.0	5345.4	24.7
653.5	2907.4	20.0	693.5	3557.6	20.5	733.5	4418.8	22.0	773.5	5344.0	24.7
654.0	2907.4	20.0	694.0	3559.0	20.5	734.0	4418.1	22.0	774.0	5344.0	24.8
654.5	2906.8	20.0	694.5	3557.6	20.5	734.5	4416.7	22.0	774.5	5344.7	24.9
655.0	2906.8	20.0	695.0	3556.9	20.5	735.0	4591.8	22.0	775.0	5344.7	24.9
655.5	2907.4	20.0	695.5	3556.9	20.5	735.5	4524.9	22.0	775.5	5344.0	25.0
656.0	2906.1	20.0	696.0	3556.2	20.5	736.0	4525.6	22.0	776.0	5345.4	25.0
656.5	2892.3	20.0	696.5	3556.2	20.6	736.5	4524.3	22.1	776.5	5344.0	25.0
657.0	3015.0	20.0	697.0	3630.0	20.6	737.0	4524.3	22.1	777.0	5525.4	25.0
657.5	3014.3	20.0	697.5	3654.8	20.7	737.5	4521.5	22.2	777.5	5465.4	25.0
658.0	3015.7	20.0	698.0	3670.0	20.7	738.0	4703.5	22.3	778.0	5465.4	25.0
658.5	3015.0	20.0	698.5	3669.3	20.8	738.5	4637.3	22.3	778.5	5465.4	25.0
659.0	3015.0	20.0	699.0	3669.3	20.9	739.0	4638.0	22.4	779.0	5464.7	25.0
659.5	3015.0	20.0	699.5	3667.9	20.9	739.5	4637.3	22.5	779.5	5461.9	25.0
660.0	3014.3	20.0	700.0	3667.9	21.0	740.0	4636.6	22.5	780.0	5460.6	25.0
660.5	3014.3	20.0	700.5	3803.8	21.0	740.5	4634.6	22.5	780.5	5459.9	25.0
661.0	3174.3	20.0	701.0	3771.4	21.0	741.0	4633.2	22.5	781.0	5626.0	25.0
661.5	3125.3	20.0	701.5	3770.7	21.0	741.5	4814.5	22.5	781.5	5557.8	25.0
662.0	3124.6	20.0	702.0	3772.0	21.0	742.0	4747.0	22.5	782.0	5557.8	25.0
662.5	3124.6	20.0	702.5	3771.4	21.0	742.5	4747.0	22.5	782.5	5557.1	25.0
663.0	3124.6	20.0	703.0	3770.7	21.0	743.0	4746.3	22.5	783.0	5554.3	25.0
663.5	3078.4	20.0	703.5	3770.7	21.0	743.5	4744.9	22.5	783.5	5553.6	25.0
664.0	3003.3	20.0	704.0	3769.3	21.0	744.0	4744.2	22.5	784.0	5552.9	25.0
664.5	3007.4	20.0	704.5	3704.5	21.0	744.5	4951.0	22.6	784.5	5721.2	25.1
665.0	3007.4	20.0	705.0	3879.6	21.0	745.0	4858.6	22.6	785.0	5648.1	25.2
665.5	3008.1	20.0	705.5	3879.6	21.0	745.5	4860.0	22.7	785.5	5647.4	25.2
666.0	3007.4	20.0	706.0	3879.6	21.0	746.0	4858.6	22.8	786.0	5647.4	25.3
666.5	3007.4	20.0	706.5	3878.2	21.0	746.5	4856.6	22.8	786.5	5647.4	25.4
667.0	3008.8	20.0	707.0	3799.6	21.0	747.0	4855.2	22.9	787.0	5644.6	25.4
667.5	3007.4	20.0	707.5	3986.5	21.0	747.5	4853.8	23.0	787.5	5644.0	25.5
668.0	3007.4	20.0	708.0	3987.2	21.0	748.0	4853.8	23.0	788.0	5789.4	25.5
668.5	3006.0	20.0	708.5	3987.8	21.1	748.5	4853.1	23.1	788.5	5752.2	25.5
669.0	3006.7	20.0	709.0	3986.5	21.1	749.0	5058.6	23.1	789.0	5752.2	25.5
669.5	3006.0	20.0	709.5	3985.8	21.2	749.5	4964.1	23.2	789.5	5752.2	25.5
670.0	3005.3	20.0	710.0	4097.5	21.3	750.0	4964.8	23.3	790.0	5751.5	25.5
670.5	3006.0	20.0	710.5	4097.5	21.3	750.5	4961.4	23.3	790.5	5750.1	25.5
671.0	3006.7	20.0	711.0	4096.8	21.4	751.0	4962.1	23.4	791.0	5749.4	25.5
671.5	3006.0	20.0	711.5	4096.1	21.4	751.5	4961.4	23.5	791.5	5989.4	25.5
672.0	3006.0	20.0	712.0	4094.0	21.5	752.0	5126.2	23.5	792.0	5861.1	25.5
672.5	3006.0	20.1	712.5	4093.3	21.5	752.5	5061.3	23.5	792.5	5860.4	25.6
673.0	3004.7	20.1	713.0	4094.0	21.5	753.0	5061.3	23.5	793.0	5860.4	25.7
673.5	3004.7	20.2	713.5	4092.6	21.5	753.5	5060.7	23.5	793.5	5859.1	25.7
674.0	3004.7	20.2	714.0	4092.6	21.5	754.0	5060.0	23.5	794.0	5858.4	25.8
674.5	3005.3	20.3	714.5	4092.0	21.5	754.5	5057.9	23.5	794.5	5982.5	25.9
675.0	3004.7	20.4	715.0	4092.0	21.5	755.0	5207.5	23.5	795.0	5964.6	25.9
675.5	3004.7	20.4	715.5	4091.3	21.5	755.5	5155.1	23.5	795.5	5964.6	26.0
676.0	3004.7	20.5	716.0	4090.6	21.5	756.0	5154.4	23.5	796.0	5963.2	26.1
676.5	3004.0	20.5	716.5	4089.2	21.5	756.5	5154.4	23.6	796.5	5963.9	26.1
677.0	3004.7	20.5	717.0	4089.9	21.5	757.0	5153.7	23.7	797.0	5962.5	26.1
677.5	3004.0	20.5	717.5	4089.2	21.5	757.5	5152.4	23.7	797.5	6110.0	26.1
678.0	3004.7	20.5	718.0	4087.1	21.5	758.0	5297.8	23.8	798.0	6063.1	26.1
678.5	3004.0	20.5	718.5	4087.1	21.5	758.5	5264.1	23.8	798.5	6063.1	26.1
679.0	3004.0	20.5	719.0	4087.8	21.5	759.0	5264.1	23.9	799.0	6061.8	26.1
679.5	3136.3	20.5	719.5	4087.8	21.5	759.5	5262.7	24.0	799.5	6060.4	26.1
680.0	3128.8	20.5	720.0	4086.4	21.5	760.0	5262.0	24.0	800.0	6059.7	26.1
680.5	3128.1	20.5	720.5	4086.4	21.6	760.5	5260.6	24.1	800.5	6221.7	26.1

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
801.0	6171.4	26.2	841.0	7308.3	28.1	881.0	8025.4	28.7	921.0	9265.7	30.6
801.5	6171.4	26.2	841.5	7308.3	28.1	881.5	8025.4	28.8	921.5	9266.4	30.6
802.0	6167.9	26.3	842.0	7307.6	28.1	882.0	8024.7	28.8	922.0	9265.7	30.6
802.5	6167.9	26.4	842.5	7305.6	28.1	882.5	7977.8	28.9	922.5	9266.4	30.6
803.0	6168.6	26.4	843.0	7306.3	28.1	883.0	8119.8	29.0	923.0	9264.4	30.6
803.5	6285.2	26.5	843.5	7303.5	28.1	883.5	8120.5	29.0	923.5	9264.4	30.6
804.0	6273.4	26.6	844.0	7515.9	28.1	884.0	8120.5	29.1	924.0	9263.7	30.6
804.5	6273.4	26.6	844.5	7411.8	28.1	884.5	8121.2	29.1	924.5	9263.7	30.7
805.0	6272.7	26.6	845.0	7411.1	28.1	885.0	8119.1	29.1	925.0	9264.4	30.7
805.5	6272.1	26.6	845.5	7409.7	28.1	885.5	8305.3	29.1	925.5	9263.0	30.8
806.0	6271.4	26.6	846.0	7409.7	28.1	886.0	8226.7	29.1	926.0	9262.3	30.9
806.5	6269.3	26.6	846.5	7343.5	28.1	886.5	8228.8	29.1	926.5	9261.6	30.9
807.0	6417.5	26.6	847.0	7517.9	28.1	887.0	8228.8	29.1	927.0	9262.3	31.0
807.5	6376.9	26.6	847.5	7521.4	28.1	887.5	8226.7	29.1	927.5	9261.6	31.0
808.0	6377.5	26.6	848.0	7520.0	28.1	888.0	8226.0	29.1	928.0	9260.9	31.1
808.5	6376.2	26.6	848.5	7519.3	28.1	888.5	8141.2	29.1	928.5	9260.9	31.1
809.0	6375.5	26.6	849.0	7518.6	28.1	889.0	8328.7	29.1	929.0	9261.6	31.1
809.5	6374.1	26.6	849.5	7517.9	28.1	889.5	8329.4	29.1	929.5	9260.2	31.1
810.0	6374.1	26.6	850.0	7707.5	28.1	890.0	8328.7	29.1	930.0	9260.2	31.1
810.5	6415.5	26.6	850.5	7620.7	28.1	890.5	8328.1	29.1	930.5	9260.2	31.1
811.0	6483.0	26.6	851.0	7620.7	28.1	891.0	8328.1	29.1	931.0	9259.5	31.1
811.5	6483.0	26.6	851.5	7620.7	28.1	891.5	8550.8	29.1	931.5	9259.5	31.1
812.0	6481.7	26.6	852.0	7620.0	28.1	892.0	8435.6	29.1	932.0	9258.8	31.1
812.5	6481.7	26.6	852.5	7618.6	28.1	892.5	8435.6	29.1	932.5	9257.5	31.1
813.0	6480.3	26.7	853.0	7618.6	28.2	893.0	8434.9	29.2	933.0	9258.8	31.1
813.5	6480.3	26.7	853.5	7617.9	28.3	893.5	8434.9	29.3	933.5	9257.5	31.1
814.0	6478.9	26.8	854.0	7616.5	28.3	894.0	8432.2	29.3	934.0	9257.5	31.1
814.5	6478.2	26.9	854.5	7617.2	28.4	894.5	8433.5	29.4	934.5	9256.8	31.1
815.0	6555.4	26.9	855.0	7616.5	28.5	895.0	8350.8	29.5	935.0	9256.8	31.1
815.5	6578.2	27.0	855.5	7615.8	28.5	895.5	8540.4	29.5	935.5	9256.8	31.1
816.0	6577.5	27.1	856.0	7615.1	28.6	896.0	8539.7	29.6	936.0	9256.1	31.1
816.5	6577.5	27.1	856.5	7615.1	28.6	896.5	8539.0	29.6	936.5	9256.1	31.1
817.0	6576.8	27.1	857.0	7614.5	28.6	897.0	8539.0	29.6	937.0	9256.1	31.1
817.5	6575.4	27.1	857.5	7614.5	28.6	897.5	8539.0	29.6	937.5	9256.8	31.1
818.0	6513.4	27.1	858.0	7613.8	28.6	898.0	8643.1	29.6	938.0	9255.4	31.1
818.5	6676.8	27.1	858.5	7613.1	28.6	898.5	8644.5	29.6	938.5	9254.7	31.1
819.0	6676.8	27.1	859.0	7612.4	28.6	899.0	8644.5	29.6	939.0	9254.7	31.1
819.5	6676.1	27.1	859.5	7622.0	28.6	899.5	8644.5	29.6	939.5	9255.4	31.1
820.0	6675.4	27.1	860.0	7672.4	28.6	900.0	8643.1	29.6	940.0	9254.7	31.1
820.5	6674.0	27.1	860.5	7720.6	28.6	900.5	8643.8	29.7	940.5	9255.4	31.1
821.0	6674.0	27.1	861.0	7720.6	28.6	901.0	8843.8	29.7	941.0	9254.7	31.1
821.5	6816.1	27.1	861.5	7719.9	28.6	901.5	8749.3	29.8	941.5	9254.0	31.1
822.0	6779.5	27.1	862.0	7719.9	28.6	902.0	8748.6	29.8	942.0	9254.7	31.1
822.5	6778.8	27.1	862.5	7719.3	28.6	902.5	8748.6	29.9	942.5	9253.3	31.1
823.0	6778.8	27.1	863.0	7717.9	28.6	903.0	8745.9	30.0	943.0	9253.3	31.1
823.5	6777.4	27.1	863.5	7716.5	28.6	903.5	8874.1	30.0	943.5	9254.7	31.1
824.0	6777.4	27.1	864.0	7715.8	28.6	904.0	8850.7	30.1	944.0	9254.0	31.1
824.5	6777.4	27.1	864.5	7715.8	28.6	904.5	8850.7	30.1	944.5	9253.3	31.1
825.0	6776.1	27.2	865.0	7714.4	28.6	905.0	8850.7	30.1	945.0	9252.6	31.1
825.5	6774.7	27.3	865.5	7714.4	28.6	905.5	8850.0	30.1	945.5	9253.3	31.1
826.0	6774.0	27.3	866.0	7714.4	28.6	906.0	8848.6	30.1	946.0	9254.0	31.1
826.5	6773.3	27.4	866.5	7713.7	28.6	906.5	8847.9	30.1	946.5	9253.3	31.1
827.0	6771.9	27.4	867.0	7713.1	28.6	907.0	8989.9	30.1	947.0	9253.3	31.1
827.5	6720.9	27.5	867.5	7712.4	28.6	907.5	8947.9	30.1	947.5	9254.0	31.1
828.0	6885.0	27.6	868.0	7712.4	28.6	908.0	8947.2	30.1	948.0	9254.0	31.1
828.5	6885.0	27.6	868.5	7712.4	28.6	908.5	8947.9	30.1	948.5	9252.6	31.1
829.0	6885.7	27.6	869.0	7711.7	28.6	909.0	8946.5	30.1	949.0	9253.3	31.1
829.5	6884.3	27.6	869.5	7710.3	28.6	909.5	8946.5	30.1	949.5	9252.6	31.1
830.0	6882.9	27.6	870.0	7708.9	28.6	910.0	9167.8	30.1	950.0	9251.9	31.1
830.5	6882.9	27.6	870.5	7708.9	28.6	910.5	9057.5	30.1	950.5	9251.9	31.1
831.0	6978.8	27.6	871.0	7708.2	28.6	911.0	9056.8	30.1	951.0	9251.9	31.1
831.5	6994.6	27.6	871.5	7708.2	28.6	911.5	9057.5	30.1	951.5	9252.6	31.1
832.0	6993.2	27.6	872.0	7706.8	28.6	912.0	9056.8	30.1	952.0	9253.3	31.1
832.5	6993.2	27.6	872.5	7706.8	28.6	912.5	8987.9	30.2	952.5	9530.5	31.1
833.0	6992.6	27.6	873.0	7706.8	28.6	913.0	9152.0	30.2	953.0	9379.5	31.1
833.5	6992.6	27.6	873.5	7922.0	28.6	913.5	9168.5	30.3	953.5	9378.8	31.1
834.0	6991.9	27.6	874.0	7819.2	28.6	914.0	9166.5	30.3	954.0	9378.8	31.1
834.5	7098.7	27.6	874.5	7819.9	28.6	914.5	9167.1	30.4	954.5	9376.1	31.1
835.0	7103.6	27.6	875.0	7817.9	28.6	915.0	9165.8	30.5	955.0	9376.1	31.1
835.5	7102.9	27.6	875.5	7818.5	28.6	915.5	9304.3	30.5	955.5	9375.4	31.1
836.0	7102.2	27.6	876.0	7817.2	28.6	916.0	9270.6	30.6	956.0	9550.5	31.1
836.5	7100.8	27.6	876.5	7817.2	28.6	916.5	9269.2	30.6	956.5	9486.4	31.2
837.0	7101.5	27.7	877.0	7970.9	28.6	917.0	9269.2	30.6	957.0	9485.7	31.2
837.5	7204.2	27.8	877.5	7927.5	28.6	917.5	9269.2	30.6	957.5	9485.7	31.3
838.0	7206.3	27.8	878.0	7928.9	28.6	918.0	9268.5	30.6	958.0	9484.3	31.4
838.5	7206.3	27.9	878.5	7928.2	28.6	918.5	9268.5	30.6	958.5	9594.6	31.4
839.0	7205.6	27.9	879.0	7926.1	28.6	919.0	9267.1	30.6	959.0	9587.7	31.5
839.5	7203.5	28.0	879.5	7836.5	28.6	919.5	9267.8	30.6	959.5	9587.7	31.5
840.0	7170.4	28.1	880.0	8026.1	28.6	920.0	9266.4	30.6	960.0	9586.3	31.6
840.5	7307.6	28.1	880.5	8026.8	28.6	920.5	9266.4	30.6	960.5	9586.3	31.6

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
961.0	9505.7	31.6	1001.0	11049.4	33.8	1041.0	11891.9	35.6	1081.0	13013.7	39.2
961.5	9694.6	31.6	1001.5	11048.7	33.8	1041.5	12004.3	35.6	1081.5	13127.5	39.2
962.0	9693.9	31.6	1002.0	11049.4	33.9	1042.0	11998.8	35.6	1082.0	13126.1	39.2
962.5	9694.6	31.6	1002.5	11048.0	33.9	1042.5	11997.4	35.6	1082.5	13124.0	39.2
963.0	9693.9	31.6	1003.0	10965.3	34.0	1043.0	11998.1	35.6	1083.0	13122.6	39.2
963.5	9867.0	31.6	1003.5	11154.2	34.1	1043.5	11996.7	35.6	1083.5	13121.3	39.2
964.0	9793.2	31.6	1004.0	11154.2	34.1	1044.0	11997.4	35.6	1084.0	13121.9	39.2
964.5	9793.2	31.6	1004.5	11153.5	34.1	1044.5	11996.0	35.7	1084.5	13353.6	39.2
965.0	9793.2	31.6	1005.0	11152.8	34.1	1045.0	12196.7	35.8	1085.0	13230.2	39.3
965.5	9793.2	31.6	1005.5	11152.8	34.1	1045.5	12098.8	35.8	1085.5	13230.9	39.4
966.0	10039.3	31.6	1006.0	11258.3	34.1	1046.0	12098.8	35.9	1086.0	13229.5	39.4
966.5	9900.0	31.6	1006.5	11259.0	34.1	1046.5	12098.1	36.0	1086.5	13229.5	39.5
967.0	9900.0	31.6	1007.0	11258.3	34.1	1047.0	12096.7	36.0	1087.0	13484.6	39.6
967.5	9900.0	31.6	1007.5	11259.0	34.1	1047.5	12096.7	36.1	1087.5	13330.9	39.6
968.0	9898.7	31.6	1008.0	11258.3	34.1	1048.0	12096.0	36.2	1088.0	13332.9	39.7
968.5	9898.7	31.7	1008.5	11470.7	34.2	1048.5	12347.0	36.2	1088.5	13332.9	39.7
969.0	10062.8	31.7	1009.0	11370.0	34.3	1049.0	12195.3	36.2	1089.0	13332.9	39.7
969.5	9999.3	31.8	1009.5	11368.6	34.3	1049.5	12196.0	36.2	1089.5	13412.2	39.7
970.0	9999.3	31.9	1010.0	11365.9	34.4	1050.0	12196.0	36.2	1090.0	13440.5	39.7
970.5	9998.6	31.9	1010.5	11365.2	34.5	1050.5	12196.0	36.2	1090.5	13439.8	39.7
971.0	9998.0	32.0	1011.0	11365.2	34.5	1051.0	12193.9	36.2	1091.0	13439.1	39.7
971.5	9997.3	32.1	1011.5	11363.8	34.6	1051.5	12308.4	36.2	1091.5	13726.6	39.7
972.0	10122.1	32.1	1012.0	11479.6	34.6	1052.0	12302.2	36.2	1092.0	13546.7	39.7
972.5	10105.5	32.1	1012.5	11473.4	34.6	1052.5	12301.5	36.2	1092.5	13549.4	39.8
973.0	10106.2	32.1	1013.0	11472.0	34.6	1053.0	12301.5	36.3	1093.0	13546.0	39.8
973.5	10104.8	32.1	1013.5	11472.7	34.6	1053.5	12301.5	36.3	1093.5	13545.3	39.9
974.0	10103.4	32.1	1014.0	11472.7	34.6	1054.0	12392.5	36.4	1094.0	13545.3	39.9
974.5	10104.1	32.1	1014.5	11388.6	34.6	1054.5	12411.1	36.5	1094.5	13808.7	40.0
975.0	10100.7	32.1	1015.0	11574.8	34.6	1055.0	12409.7	36.5	1095.0	13651.5	40.1
975.5	10210.3	32.1	1015.5	11574.1	34.6	1055.5	12410.4	36.6	1095.5	13651.5	40.1
976.0	10213.1	32.1	1016.0	11576.2	34.6	1056.0	12410.4	36.7	1096.0	13650.8	40.2
976.5	10211.0	32.2	1016.5	11573.4	34.7	1056.5	12651.0	36.7	1096.5	13650.8	40.3
977.0	10210.3	32.2	1017.0	11574.1	34.8	1057.0	12507.6	36.8	1097.0	13528.0	40.3
977.5	10209.6	32.3	1017.5	11572.7	34.8	1057.5	12506.9	36.8	1097.5	13754.2	40.4
978.0	10197.2	32.4	1018.0	11800.2	34.9	1058.0	12506.9	36.9	1098.0	13754.2	40.4
978.5	10308.9	32.4	1018.5	11682.3	35.0	1058.5	12506.9	37.0	1098.5	13754.9	40.5
979.0	10314.4	32.5	1019.0	11682.3	35.0	1059.0	12504.9	37.0	1099.0	13754.2	40.6
979.5	10313.0	32.6	1019.5	11681.6	35.1	1059.5	12727.6	37.1	1099.5	13954.8	40.6
980.0	10312.4	32.6	1020.0	11681.0	35.1	1060.0	12613.1	37.2	1100.0	13860.4	40.7
980.5	10310.3	32.6	1020.5	11680.3	35.1	1060.5	12612.4	37.2	1100.5	13859.0	40.7
981.0	10417.2	32.6	1021.0	11679.6	35.1	1061.0	12612.4	37.3	1101.0	13858.3	40.7
981.5	10417.8	32.6	1021.5	11679.6	35.1	1061.5	12610.4	37.4	1101.5	13856.9	40.7
982.0	10415.1	32.6	1022.0	11678.2	35.1	1062.0	12728.9	37.4	1102.0	13856.9	40.7
982.5	10415.1	32.6	1022.5	11678.2	35.1	1062.5	12719.3	37.5	1102.5	14068.6	40.7
983.0	10415.1	32.6	1023.0	11678.2	35.1	1063.0	12720.0	37.5	1103.0	13956.9	40.7
983.5	10414.4	32.6	1023.5	11677.5	35.1	1063.5	12720.7	37.6	1103.5	13956.9	40.7
984.0	10638.5	32.6	1024.0	11676.8	35.1	1064.0	12718.6	37.7	1104.0	13956.9	40.7
984.5	10530.2	32.7	1024.5	11676.8	35.1	1064.5	12718.6	37.7	1104.5	13956.9	40.8
985.0	10528.8	32.7	1025.0	11676.8	35.1	1065.0	12716.5	37.8	1105.0	14178.2	40.8
985.5	10527.5	32.8	1025.5	11675.4	35.1	1065.5	12715.2	37.9	1105.5	14062.4	40.9
986.0	10526.8	32.9	1026.0	11675.4	35.1	1066.0	12715.8	37.9	1106.0	14064.4	41.0
986.5	10524.7	32.9	1026.5	11675.4	35.1	1066.5	12855.8	38.0	1106.5	14063.1	41.0
987.0	10524.0	33.0	1027.0	11674.1	35.1	1067.0	12817.9	38.0	1107.0	14063.1	41.1
987.5	10524.0	33.1	1027.5	11673.4	35.1	1067.5	12816.5	38.1	1107.5	14061.0	41.1
988.0	10523.3	33.1	1028.0	11673.4	35.1	1068.0	12816.5	38.2	1108.0	14110.6	41.2
988.5	10520.6	33.1	1028.5	11673.4	35.1	1068.5	12815.8	38.2	1108.5	14165.8	41.3
989.0	10713.6	33.1	1029.0	11672.7	35.1	1069.0	12815.8	38.2	1109.0	14165.1	41.3
989.5	10633.0	33.1	1029.5	11672.0	35.1	1069.5	12815.1	38.2	1109.5	14163.7	41.4
990.0	10632.3	33.1	1030.0	11672.7	35.1	1070.0	12815.1	38.2	1110.0	14414.0	41.5
990.5	10631.6	33.1	1030.5	11671.3	35.1	1070.5	12814.4	38.2	1110.5	14274.0	41.5
991.0	10630.2	33.1	1031.0	11672.0	35.1	1071.0	12813.7	38.2	1111.0	14274.7	41.6
991.5	10630.2	33.1	1031.5	11672.0	35.1	1071.5	12812.4	38.2	1111.5	14272.0	41.6
992.0	10737.1	33.1	1032.0	11671.3	35.1	1072.0	12812.4	38.2	1112.0	14272.7	41.7
992.5	10738.4	33.1	1032.5	11670.6	35.2	1072.5	12811.7	38.2	1112.5	14508.5	41.7
993.0	10738.4	33.1	1033.0	11669.2	35.3	1073.0	12875.1	38.3	1113.0	14375.4	41.7
993.5	10737.8	33.1	1033.5	11669.9	35.3	1073.5	12920.6	38.4	1113.5	14374.7	41.7
994.0	10737.1	33.1	1034.0	11669.2	35.4	1074.0	12920.6	38.4	1114.0	14374.0	41.7
994.5	10853.6	33.1	1034.5	11669.2	35.5	1074.5	12919.9	38.5	1114.5	14373.3	41.7
995.0	10837.7	33.1	1035.0	11886.4	35.5	1075.0	12920.6	38.6	1115.0	14300.2	41.7
995.5	10838.4	33.1	1035.5	11791.3	35.6	1075.5	12919.2	38.6	1115.5	14474.7	41.7
996.0	10837.7	33.1	1036.0	11790.6	35.6	1076.0	12919.2	38.7	1116.0	14474.7	41.7
996.5	10837.7	33.2	1036.5	11789.9	35.6	1076.5	12831.0	38.7	1116.5	14473.3	41.8
997.0	10837.0	33.3	1037.0	11788.5	35.6	1077.0	13017.1	38.8	1117.0	14473.3	41.8
997.5	10836.3	33.3	1037.5	11788.5	35.6	1077.5	13017.8	38.9	1117.5	14473.3	41.9
998.0	10937.7	33.4	1038.0	11786.4	35.6	1078.0	13017.1	38.9	1118.0	14471.2	42.0
998.5	10940.5	33.4	1038.5	11935.4	35.6	1078.5	13017.8	39.0	1118.5	14470.5	42.0
999.0	10941.1	33.5	1039.0	11895.4	35.6	1079.0	13015.8	39.1	1119.0	14569.1	42.1
999.5	10941.1	33.6	1039.5	11896.1	35.6	1079.5	13015.1	39.1	1119.5	14568.5	42.1
1000.0	10940.5	33.6	1040.0	11895.4	35.6	1080.0	13014.4	39.2	1120.0	14567.1	42.2
1000.5	11136.3	33.7	1040.5	11893.3	35.6	1080.5	13014.4	39.2	1120.5	14567.1	42.3

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1121.0	14567.1	42.3	1161.0	16208.7	50.5	1201.0	16306.6	52.9	1241.0	16257.7	53.8
1121.5	14654.6	42.4	1161.5	16207.3	50.7	1201.5	16305.9	53.0	1241.5	16386.6	53.8
1122.0	14675.3	42.5	1162.0	16206.6	50.8	1202.0	16304.5	53.1	1242.0	16363.1	53.8
1122.5	14673.9	42.5	1162.5	16370.0	50.9	1202.5	16303.8	53.1	1242.5	16356.9	53.8
1123.0	14674.6	42.6	1163.0	16331.4	51.0	1203.0	16302.5	53.2	1243.0	16352.1	53.8
1123.5	14673.9	42.7	1163.5	16325.2	51.2	1203.5	16301.8	53.2	1243.5	16348.7	53.8
1124.0	14971.1	42.7	1164.0	16322.5	51.3	1204.0	16300.4	53.3	1244.0	16346.6	53.8
1124.5	14781.5	42.8	1164.5	16320.4	51.3	1204.5	16299.0	53.3	1244.5	16343.8	53.8
1125.0	14780.1	42.8	1165.0	16319.7	51.4	1205.0	16298.3	53.3	1245.0	16341.8	53.8
1125.5	14777.4	42.9	1165.5	16317.6	51.5	1205.5	16299.0	53.3	1245.5	16339.7	53.8
1126.0	14776.0	43.0	1166.0	16314.2	51.5	1206.0	16297.6	53.3	1246.0	16335.6	53.8
1126.5	15018.0	43.0	1166.5	16314.2	51.6	1206.5	16297.0	53.3	1246.5	16333.5	53.8
1127.0	14884.9	43.1	1167.0	16312.8	51.7	1207.0	16297.6	53.3	1247.0	16332.1	53.8
1127.5	14884.9	43.2	1167.5	16310.7	51.7	1207.5	16296.3	53.3	1247.5	16174.9	53.8
1128.0	14883.5	43.2	1168.0	16310.7	51.8	1208.0	16296.3	53.3	1248.0	16381.1	53.8
1128.5	14883.5	43.3	1168.5	16308.7	51.9	1208.5	16293.5	53.3	1248.5	16372.8	53.8
1129.0	15011.8	43.3	1169.0	16307.3	51.9	1209.0	16292.8	53.3	1249.0	16370.0	53.8
1129.5	14982.1	43.4	1169.5	16305.9	52.0	1209.5	16290.7	53.3	1249.5	16367.3	53.8
1130.0	14981.4	43.5	1170.0	16306.6	52.0	1210.0	16291.4	53.3	1250.0	16363.8	53.8
1130.5	14980.8	43.5	1170.5	16304.5	52.1	1210.5	16290.7	53.3	1250.5	16360.4	53.8
1131.0	15342.0	43.6	1171.0	16303.8	52.2	1211.0	16289.4	53.3	1251.0	16356.9	53.8
1131.5	15091.1	43.7	1171.5	16303.2	52.2	1211.5	16290.1	53.3	1251.5	16355.6	53.8
1132.0	15091.1	43.7	1172.0	16301.8	52.3	1212.0	16288.7	53.3	1252.0	16352.1	53.8
1132.5	15089.7	43.9	1172.5	16301.8	52.3	1212.5	16289.4	53.3	1252.5	16255.6	53.8
1133.0	15089.0	44.0	1173.0	16301.1	52.3	1213.0	16287.3	53.3	1253.0	16387.3	53.8
1133.5	15300.7	44.1	1173.5	16301.8	52.3	1213.5	16287.3	53.3	1253.5	16381.8	53.8
1134.0	15196.6	44.2	1174.0	16301.1	52.3	1214.0	16287.3	53.3	1254.0	16376.9	53.8
1134.5	15193.8	44.4	1174.5	16300.4	52.3	1214.5	16286.6	53.3	1254.5	16372.8	53.8
1135.0	15191.7	44.5	1175.0	16301.8	52.3	1215.0	16285.9	53.3	1255.0	16370.0	53.8
1135.5	15191.0	44.6	1175.5	16299.0	52.3	1215.5	16285.2	53.3	1255.5	16365.9	53.8
1136.0	15468.9	44.7	1176.0	16301.8	52.3	1216.0	16285.2	53.3	1256.0	16361.8	53.8
1136.5	15295.8	44.9	1176.5	16301.8	52.3	1216.5	16285.2	53.3	1256.5	16358.3	53.8
1137.0	15295.8	45.0	1177.0	16301.8	52.3	1217.0	16286.6	53.3	1257.0	16356.2	53.8
1137.5	15294.5	45.1	1177.5	16302.5	52.3	1217.5	16285.9	53.3	1257.5	16353.5	53.8
1138.0	15293.8	45.2	1178.0	16302.5	52.3	1218.0	16284.5	53.3	1258.0	16349.4	53.8
1138.5	15488.9	45.4	1178.5	16301.8	52.3	1218.5	16284.5	53.3	1258.5	16346.6	53.8
1139.0	15400.0	45.5	1179.0	16302.5	52.3	1219.0	16284.5	53.3	1259.0	16346.6	53.8
1139.5	15398.6	45.6	1179.5	16301.8	52.3	1219.5	16284.5	53.3	1259.5	16342.5	53.8
1140.0	15397.9	45.7	1180.0	16302.5	52.3	1220.0	16283.9	53.3	1260.0	16341.1	53.8
1140.5	15397.2	45.9	1180.5	16303.2	52.4	1220.5	16283.9	53.3	1260.5	16336.9	53.8
1141.0	15395.8	46.0	1181.0	16303.2	52.4	1221.0	16283.9	53.3	1261.0	16335.6	53.8
1141.5	15453.0	46.1	1181.5	16304.5	52.5	1221.5	16282.5	53.3	1261.5	16333.5	53.8
1142.0	15492.3	46.2	1182.0	16302.5	52.5	1222.0	16282.5	53.3	1262.0	16332.1	53.8
1142.5	15493.0	46.4	1182.5	16327.3	52.6	1222.5	16283.2	53.3	1262.5	16330.0	53.8
1143.0	15491.0	46.5	1183.0	16325.2	52.7	1223.0	16283.2	53.3	1263.0	16328.0	53.8
1143.5	15488.9	46.6	1183.5	16323.2	52.7	1223.5	16283.9	53.3	1263.5	16326.6	53.8
1144.0	15488.9	46.7	1184.0	16322.5	52.8	1224.0	16282.5	53.3	1264.0	16325.2	53.8
1144.5	15767.4	46.9	1184.5	16321.1	52.8	1224.5	16282.5	53.3	1264.5	16323.8	53.8
1145.0	15599.9	47.0	1185.0	16318.3	52.8	1225.0	16282.5	53.3	1265.0	16322.5	53.8
1145.5	15599.2	47.1	1185.5	16317.6	52.8	1225.5	16283.2	53.3	1265.5	16321.1	53.8
1146.0	15597.1	47.3	1186.0	16315.6	52.8	1226.0	16283.2	53.3	1266.0	16320.4	53.8
1146.5	15595.1	47.4	1186.5	16313.5	52.8	1226.5	16282.5	53.3	1266.5	16319.0	53.8
1147.0	15813.6	47.5	1187.0	16312.8	52.8	1227.0	16282.5	53.3	1267.0	16316.3	53.8
1147.5	15702.6	47.6	1187.5	16312.1	52.8	1227.5	16283.2	53.3	1267.5	16313.5	53.8
1148.0	15699.2	47.8	1188.0	16311.4	52.8	1228.0	16282.5	53.3	1268.0	16313.5	53.8
1148.5	15699.2	47.8	1188.5	16311.4	52.8	1228.5	16281.8	53.3	1268.5	16311.4	53.8
1149.0	15699.2	47.9	1189.0	16310.7	52.8	1229.0	16282.5	53.3	1269.0	16311.4	53.8
1149.5	15870.9	47.9	1189.5	16310.1	52.8	1229.5	16281.8	53.3	1269.5	16309.4	53.8
1150.0	15804.7	48.0	1190.0	16310.7	52.8	1230.0	16281.8	53.3	1270.0	16309.4	53.8
1150.5	15805.4	48.1	1190.5	16308.7	52.8	1230.5	16283.2	53.3	1270.5	16308.0	53.8
1151.0	15802.6	48.1	1191.0	16310.1	52.8	1231.0	16283.2	53.3	1271.0	16307.3	53.8
1151.5	16074.9	48.2	1191.5	16310.1	52.8	1231.5	16283.2	53.3	1271.5	16305.9	53.8
1152.0	15903.3	48.3	1192.0	16129.4	52.8	1232.0	16283.2	53.3	1272.0	16305.2	53.8
1152.5	15902.6	48.4	1192.5	16305.9	52.8	1232.5	16283.2	53.3	1272.5	16302.5	53.8
1153.0	15901.9	48.5	1193.0	16334.9	52.8	1233.0	16282.5	53.3	1273.0	16301.1	53.8
1153.5	15900.5	48.6	1193.5	16330.0	52.8	1233.5	16283.2	53.3	1273.5	16299.0	53.8
1154.0	15899.8	48.8	1194.0	16328.0	52.8	1234.0	16281.8	53.3	1274.0	16299.0	53.8
1154.5	16007.4	48.9	1194.5	16326.6	52.8	1234.5	16281.8	53.3	1274.5	16297.6	53.8
1155.0	16006.7	49.0	1195.0	16324.5	52.8	1235.0	16280.4	53.3	1275.0	16297.0	53.8
1155.5	16004.6	49.1	1195.5	16323.8	52.8	1235.5	16280.4	53.3	1275.5	16295.6	53.8
1156.0	16001.9	49.3	1196.0	16322.5	52.8	1236.0	16279.7	53.3	1276.0	16294.9	53.8
1156.5	16205.9	49.4	1196.5	16321.1	52.8	1236.5	16281.1	53.4	1276.5	16294.9	53.8
1157.0	16111.5	49.5	1197.0	16319.0	52.8	1237.0	16281.8	53.4	1277.0	16293.5	53.8
1157.5	16110.1	49.6	1197.5	16316.9	52.8	1237.5	16283.2	53.5	1277.5	16290.7	53.8
1158.0	16108.7	49.8	1198.0	16314.2	52.8	1238.0	16283.2	53.6	1278.0	16290.7	53.8
1158.5	15965.3	49.9	1198.5	16313.5	52.8	1238.5	16282.5	53.6	1278.5	16290.1	53.8
1159.0	16214.9	50.0	1199.0	16312.8	52.8	1239.0	16283.2	53.7	1279.0	16290.1	53.8
1159.5	16213.5	50.2	1199.5	16311.4	52.8	1239.5	16284.5	53.7	1279.5	16287.3	53.8
1160.0	16211.5	50.3	1200.0	16310.1	52.8	1240.0	16283.9	53.8	1280.0	16286.6	53.8
1160.5	16210.1	50.4	1200.5	16308.0	52.9	1240.5	16283.9	53.8	1280.5	16286.6	53.8

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1281.0	16285.9	53.8	1321.0	16270.1	54.3	1361.0	16254.9	54.4	1401.0	16205.9	54.8
1281.5	16285.2	53.8	1321.5	16270.1	54.3	1361.5	16253.5	54.5	1401.5	16206.6	54.8
1282.0	16285.9	53.8	1322.0	16270.1	54.3	1362.0	16251.4	54.6	1402.0	16205.9	54.8
1282.5	16285.2	53.8	1322.5	16271.4	54.3	1362.5	16249.4	54.6	1402.5	16205.9	54.8
1283.0	16283.9	53.8	1323.0	16271.4	54.3	1363.0	16248.0	54.7	1403.0	16208.0	54.8
1283.5	16281.8	53.8	1323.5	16272.1	54.3	1363.5	16247.3	54.8	1403.5	16205.9	54.8
1284.0	16283.9	53.8	1324.0	16271.4	54.3	1364.0	16245.9	54.8	1404.0	16206.6	54.8
1284.5	16282.5	53.9	1324.5	16272.8	54.3	1364.5	16245.9	54.8	1404.5	16206.6	54.8
1285.0	16281.1	53.9	1325.0	16272.1	54.3	1365.0	16244.6	54.8	1405.0	16205.9	54.8
1285.5	16280.4	54.0	1325.5	16272.1	54.3	1365.5	16241.8	54.8	1405.5	16205.9	54.8
1286.0	16280.4	54.1	1326.0	16272.1	54.3	1366.0	16239.7	54.8	1406.0	16206.6	54.8
1286.5	16279.7	54.1	1326.5	16272.1	54.3	1366.5	16239.0	54.8	1406.5	16205.9	54.8
1287.0	16279.7	54.2	1327.0	16272.1	54.3	1367.0	16237.7	54.8	1407.0	16208.0	54.8
1287.5	16279.0	54.2	1327.5	16272.1	54.3	1367.5	16236.3	54.8	1407.5	16205.9	54.8
1288.0	16277.6	54.3	1328.0	16270.8	54.3	1368.0	16234.9	54.8	1408.0	16206.6	54.8
1288.5	16277.0	54.3	1328.5	16271.4	54.3	1368.5	16233.5	54.8	1408.5	16205.3	54.8
1289.0	16277.6	54.3	1329.0	16270.8	54.3	1369.0	16232.1	54.8	1409.0	16205.9	54.8
1289.5	16275.6	54.3	1329.5	16270.8	54.3	1369.5	16232.8	54.8	1409.5	16205.9	54.8
1290.0	16275.6	54.3	1330.0	16268.7	54.3	1370.0	16231.5	54.8	1410.0	16205.9	54.8
1290.5	16274.9	54.3	1330.5	16268.7	54.3	1370.5	16230.1	54.8	1410.5	16205.3	54.8
1291.0	16274.9	54.3	1331.0	16270.1	54.3	1371.0	16228.7	54.8	1411.0	16206.6	54.8
1291.5	16274.9	54.3	1331.5	16268.7	54.3	1371.5	16227.3	54.8	1411.5	16205.3	54.8
1292.0	16274.2	54.3	1332.0	16267.3	54.3	1372.0	16226.6	54.8	1412.0	16205.9	54.8
1292.5	16273.5	54.3	1332.5	16268.0	54.3	1372.5	16224.6	54.8	1412.5	16205.3	54.8
1293.0	16274.2	54.3	1333.0	16266.6	54.3	1373.0	16223.2	54.8	1413.0	16204.6	54.8
1293.5	16274.2	54.3	1333.5	16266.6	54.3	1373.5	16223.2	54.8	1413.5	16205.9	54.8
1294.0	16274.2	54.3	1334.0	16265.9	54.3	1374.0	16222.5	54.8	1414.0	16205.3	54.8
1294.5	16273.5	54.3	1334.5	16265.2	54.3	1374.5	16221.8	54.8	1414.5	16205.9	54.8
1295.0	16273.5	54.3	1335.0	16264.5	54.3	1375.0	16219.7	54.8	1415.0	16204.6	54.8
1295.5	16272.8	54.3	1335.5	16263.9	54.3	1375.5	16220.4	54.8	1415.5	16205.3	54.8
1296.0	16272.8	54.3	1336.0	16263.2	54.3	1376.0	16219.0	54.8	1416.0	16204.6	54.8
1296.5	16272.1	54.3	1336.5	16263.2	54.3	1376.5	16218.4	54.8	1416.5	16204.6	54.8
1297.0	16272.8	54.3	1337.0	16263.9	54.3	1377.0	16218.4	54.8	1417.0	16205.3	54.8
1297.5	16272.1	54.3	1337.5	16263.9	54.3	1377.5	16217.0	54.8	1417.5	16204.6	54.8
1298.0	16272.1	54.3	1338.0	16263.2	54.3	1378.0	16214.9	54.8	1418.0	16205.3	54.8
1298.5	16272.1	54.3	1338.5	16263.2	54.3	1378.5	16214.9	54.8	1418.5	16204.6	54.8
1299.0	16271.4	54.3	1339.0	16261.8	54.3	1379.0	16212.1	54.8	1419.0	16205.9	54.8
1299.5	16271.4	54.3	1339.5	16261.1	54.3	1379.5	16211.5	54.8	1419.5	16204.6	54.8
1300.0	16271.4	54.3	1340.0	16261.1	54.3	1380.0	16210.8	54.8	1420.0	16204.6	54.8
1300.5	16271.4	54.3	1340.5	16261.1	54.3	1380.5	16210.1	54.8	1420.5	16204.6	54.8
1301.0	16271.4	54.3	1341.0	16261.1	54.3	1381.0	16210.1	54.8	1421.0	16205.3	54.8
1301.5	16271.4	54.3	1341.5	16260.4	54.3	1381.5	16209.4	54.8	1421.5	16205.3	54.8
1302.0	16271.4	54.3	1342.0	16259.7	54.3	1382.0	16209.4	54.8	1422.0	16204.6	54.8
1302.5	16270.8	54.3	1342.5	16260.4	54.3	1382.5	16208.0	54.8	1422.5	16204.6	54.8
1303.0	16271.4	54.3	1343.0	16259.7	54.3	1383.0	16208.0	54.8	1423.0	16204.6	54.8
1303.5	16270.8	54.3	1343.5	16259.7	54.3	1383.5	16206.6	54.8	1423.5	16204.6	54.8
1304.0	16268.7	54.3	1344.0	16260.4	54.3	1384.0	16206.6	54.8	1424.0	16204.6	54.8
1304.5	16270.1	54.3	1344.5	16258.3	54.3	1384.5	16206.6	54.8	1424.5	16204.6	54.8
1305.0	16270.1	54.3	1345.0	16259.7	54.3	1385.0	16205.9	54.8	1425.0	16204.6	54.8
1305.5	16270.1	54.3	1345.5	16259.0	54.3	1385.5	16205.3	54.8	1425.5	16204.6	54.8
1306.0	16270.1	54.3	1346.0	16257.7	54.3	1386.0	16205.9	54.8	1426.0	16204.6	54.8
1306.5	16268.7	54.3	1346.5	16259.0	54.3	1386.5	16205.3	54.8	1426.5	16203.9	54.8
1307.0	16268.7	54.3	1347.0	16258.3	54.3	1387.0	16205.3	54.8	1427.0	16204.6	54.8
1307.5	16268.0	54.3	1347.5	16257.7	54.3	1387.5	16204.6	54.8	1427.5	16204.6	54.8
1308.0	16266.6	54.3	1348.0	16258.3	54.3	1388.0	16205.3	54.8	1428.0	16204.6	54.8
1308.5	16267.3	54.3	1348.5	16258.3	54.3	1388.5	16205.3	54.8	1428.5	16204.6	54.8
1309.0	16268.0	54.3	1349.0	16258.3	54.3	1389.0	16205.3	54.8	1429.0	16204.6	54.8
1309.5	16266.6	54.3	1349.5	16258.3	54.3	1389.5	16205.3	54.8	1429.5	16203.2	54.8
1310.0	16268.0	54.3	1350.0	16258.3	54.3	1390.0	16204.6	54.8	1430.0	16203.9	54.8
1310.5	16266.6	54.3	1350.5	16257.7	54.3	1390.5	16205.3	54.8	1430.5	16203.9	54.8
1311.0	16266.6	54.3	1351.0	16257.7	54.3	1391.0	16205.3	54.8	1431.0	16203.2	54.8
1311.5	16267.3	54.3	1351.5	16257.0	54.3	1391.5	16203.2	54.8	1431.5	16202.5	54.8
1312.0	16265.2	54.3	1352.0	16257.7	54.3	1392.0	16204.6	54.8	1432.0	16203.2	54.8
1312.5	16265.9	54.3	1352.5	16257.0	54.3	1392.5	16205.3	54.8	1432.5	16203.2	54.8
1313.0	16265.9	54.3	1353.0	16257.0	54.3	1393.0	16205.3	54.8	1433.0	16203.9	54.8
1313.5	16265.9	54.3	1353.5	16257.0	54.3	1393.5	16205.3	54.8	1433.5	16202.5	54.8
1314.0	16265.2	54.3	1354.0	16256.3	54.3	1394.0	16205.9	54.8	1434.0	16203.2	54.8
1314.5	16265.2	54.3	1354.5	16257.7	54.3	1394.5	16204.6	54.8	1434.5	16203.2	54.8
1315.0	16264.5	54.3	1355.0	16256.3	54.3	1395.0	16205.9	54.8	1435.0	16202.5	54.8
1315.5	16265.2	54.3	1355.5	16257.0	54.3	1395.5	16205.9	54.8	1435.5	16202.5	54.8
1316.0	16265.9	54.3	1356.0	16256.3	54.3	1396.0	16205.3	54.8	1436.0	16203.2	54.8
1316.5	16265.9	54.3	1356.5	16257.0	54.3	1396.5	16205.9	54.8	1436.5	16202.5	54.8
1317.0	16265.9	54.3	1357.0	16257.0	54.3	1397.0	16206.6	54.8	1437.0	16201.8	54.8
1317.5	16266.6	54.3	1357.5	16255.6	54.3	1397.5	16205.9	54.8	1437.5	16202.5	54.8
1318.0	16268.0	54.3	1358.0	16255.6	54.3	1398.0	16205.3	54.8	1438.0	16201.8	54.8
1318.5	16267.3	54.3	1358.5	16256.3	54.3	1398.5	16206.6	54.8	1438.5	16202.5	54.8
1319.0	16268.0	54.3	1359.0	16256.3	54.3	1399.0	16206.6	54.8	1439.0	16201.8	54.8
1319.5	16268.7	54.3	1359.5	16255.6	54.3	1399.5	16205.9	54.8	1439.5	16202.5	54.8
1320.0	16268.0	54.3	1360.0	16256.3	54.3	1400.0	16205.9	54.8	1440.0	16201.8	54.8
1320.5	16268.7	54.3	1360.5	16255.6	54.4	1400.5	16208.0	54.8	1440.5	16202.5	54.8

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1441.0	16202.5	54.8	1481.0	16309.4	55.3	1521.0	16376.2	55.3	1561.0	8686.6	58.8
1441.5	16201.1	54.8	1481.5	16320.4	55.3	1521.5	16373.5	55.3	1561.5	8697.6	58.8
1442.0	16201.8	54.8	1482.0	16321.8	55.3	1522.0	16369.3	55.3	1562.0	8704.5	58.8
1442.5	16201.8	54.8	1482.5	16331.4	55.3	1522.5	16366.6	55.3	1562.5	8712.8	58.8
1443.0	16201.8	54.8	1483.0	16339.7	55.3	1523.0	16364.5	55.3	1563.0	8720.4	58.8
1443.5	16201.8	54.8	1483.5	16351.4	55.3	1523.5	16360.4	55.3	1563.5	8728.0	58.8
1444.0	16201.1	54.8	1484.0	16355.6	55.3	1524.0	16356.9	55.3	1564.0	8735.5	58.8
1444.5	16201.8	54.8	1484.5	16363.8	55.3	1524.5	16354.9	55.3	1564.5	8743.8	58.8
1445.0	16201.1	54.8	1485.0	16375.6	55.3	1525.0	16352.8	55.3	1565.0	8749.3	58.8
1445.5	16201.1	54.8	1485.5	16377.6	55.3	1525.5	16350.0	55.3	1565.5	8756.9	58.8
1446.0	16201.1	54.8	1486.0	16379.0	55.3	1526.0	16345.9	55.3	1566.0	8764.5	58.8
1446.5	16199.7	54.8	1486.5	16379.0	55.3	1526.5	16345.2	55.3	1566.5	8771.4	58.8
1447.0	16201.8	54.8	1487.0	16380.4	55.3	1527.0	16342.5	55.3	1567.0	8778.3	58.8
1447.5	16201.1	54.8	1487.5	16382.4	55.3	1527.5	16328.7	55.3	1567.5	8784.5	58.8
1448.0	16202.5	54.8	1488.0	16381.1	55.3	1528.0	17776.6	55.3	1568.0	8790.0	58.8
1448.5	16201.1	54.8	1488.5	16375.6	55.3	1528.5	18289.5	55.3	1568.5	8796.9	58.8
1449.0	16201.1	54.8	1489.0	16377.6	55.3	1529.0	18170.2	55.3	1569.0	8803.1	58.8
1449.5	16199.7	54.8	1489.5	16380.4	55.3	1529.5	18073.7	55.3	1569.5	8810.0	58.8
1450.0	16201.1	54.8	1490.0	16381.1	55.3	1530.0	17986.2	55.3	1570.0	8816.2	58.8
1450.5	16201.1	54.8	1490.5	16379.7	55.3	1530.5	15655.1	55.3	1570.5	8821.7	58.8
1451.0	16199.7	54.8	1491.0	16380.4	55.3	1531.0	16907.1	55.3	1571.0	8827.9	58.8
1451.5	16201.1	54.8	1491.5	16382.4	55.3	1531.5	17651.8	55.3	1571.5	8833.4	58.8
1452.0	16199.7	54.8	1492.0	16381.8	55.3	1532.0	2465.5	55.3	1572.0	8838.3	58.8
1452.5	16199.7	54.9	1492.5	16383.1	55.3	1532.5	2557.2	55.4	1572.5	8845.2	58.8
1453.0	16199.0	54.9	1493.0	16382.4	55.3	1533.0	2821.3	55.6	1573.0	8850.7	58.8
1453.5	16199.7	55.0	1493.5	16383.8	55.3	1533.5	2837.1	55.7	1573.5	8856.2	58.8
1454.0	16199.0	55.1	1494.0	16383.8	55.3	1534.0	2916.4	55.8	1574.0	8860.3	58.8
1454.5	16199.7	55.1	1494.5	16385.9	55.3	1534.5	2936.4	55.9	1574.5	8865.8	58.8
1455.0	16201.1	55.2	1495.0	16385.2	55.3	1535.0	3065.3	56.1	1575.0	8870.0	58.8
1455.5	16210.8	55.3	1495.5	16383.8	55.3	1535.5	3154.3	56.2	1575.5	8875.5	58.8
1456.0	16225.9	55.3	1496.0	16386.6	55.3	1536.0	3222.5	56.3	1576.0	8881.7	58.8
1456.5	16234.9	55.3	1496.5	16386.6	55.3	1536.5	3299.8	56.5	1576.5	8885.8	58.8
1457.0	16241.8	55.3	1497.0	16385.9	55.3	1537.0	3368.7	56.6	1577.0	8891.4	58.8
1457.5	16245.9	55.3	1497.5	16387.3	55.3	1537.5	3405.9	56.7	1577.5	8896.2	58.8
1458.0	16247.3	55.3	1498.0	16386.6	55.3	1538.0	3487.3	56.8	1578.0	8901.7	58.8
1458.5	16249.4	55.3	1498.5	16385.2	55.3	1538.5	3588.0	57.0	1578.5	8905.1	58.8
1459.0	16252.1	55.3	1499.0	16387.3	55.3	1539.0	3679.0	57.1	1579.0	8908.6	58.8
1459.5	16252.1	55.3	1499.5	16388.0	55.3	1539.5	3772.7	57.2	1579.5	8914.1	58.8
1460.0	16253.5	55.3	1500.0	16388.7	55.3	1540.0	3863.1	57.3	1580.0	8918.2	58.8
1460.5	16252.8	55.3	1500.5	16387.3	55.3	1540.5	3953.4	57.5	1580.5	8921.0	58.8
1461.0	16253.5	55.3	1501.0	16388.0	55.3	1541.0	4045.1	57.6	1581.0	8926.5	58.8
1461.5	16252.1	55.3	1501.5	16389.3	55.3	1541.5	4136.8	57.7	1581.5	8930.7	58.8
1462.0	16254.2	55.3	1502.0	16387.3	55.3	1542.0	4225.7	57.8	1582.0	8934.8	58.8
1462.5	16253.5	55.3	1502.5	16388.0	55.3	1542.5	4316.7	58.0	1582.5	8940.3	58.8
1463.0	16252.8	55.3	1503.0	16389.3	55.3	1543.0	7673.1	58.1	1583.0	8944.4	58.8
1463.5	16252.8	55.3	1503.5	16388.7	55.3	1543.5	7835.1	58.2	1583.5	8947.2	58.8
1464.0	16252.1	55.3	1504.0	16388.0	55.3	1544.0	7926.1	58.3	1584.0	8952.7	58.8
1464.5	16252.1	55.3	1504.5	16388.0	55.3	1544.5	8001.2	58.4	1584.5	8956.2	58.8
1465.0	16252.8	55.3	1505.0	16387.3	55.3	1545.0	8064.7	58.5	1585.0	8960.3	58.7
1465.5	16251.4	55.3	1505.5	16389.3	55.3	1545.5	8119.8	58.5	1585.5	8965.1	58.7
1466.0	16251.4	55.3	1506.0	16389.3	55.3	1546.0	8166.0	58.6	1586.0	8969.3	58.6
1466.5	16251.4	55.3	1506.5	16389.3	55.3	1546.5	8208.1	58.7	1586.5	8972.7	58.5
1467.0	16250.1	55.3	1507.0	16387.3	55.3	1547.0	8243.3	58.7	1587.0	8977.5	58.5
1467.5	16249.4	55.3	1507.5	16388.0	55.3	1547.5	8277.0	58.8	1587.5	8981.7	58.4
1468.0	16251.4	55.3	1508.0	16388.0	55.3	1548.0	8307.4	58.8	1588.0	8984.4	58.3
1468.5	16249.4	55.3	1508.5	16387.3	55.3	1548.5	8332.9	58.8	1588.5	8987.9	58.3
1469.0	16248.0	55.3	1509.0	16388.0	55.3	1549.0	8359.1	58.8	1589.0	8991.3	58.3
1469.5	16248.7	55.3	1509.5	16387.3	55.3	1549.5	8381.8	58.8	1589.5	8994.8	58.3
1470.0	16248.7	55.3	1510.0	16388.0	55.3	1550.0	8403.2	58.8	1590.0	8998.2	58.3
1470.5	16247.3	55.3	1510.5	16388.0	55.3	1550.5	8424.6	58.8	1590.5	9003.0	58.3
1471.0	16248.0	55.3	1511.0	16388.0	55.3	1551.0	8443.2	58.8	1591.0	9005.8	58.3
1471.5	16248.7	55.3	1511.5	16389.3	55.3	1551.5	8462.5	58.8	1591.5	9009.9	58.3
1472.0	16248.0	55.3	1512.0	16388.0	55.3	1552.0	8478.4	58.8	1592.0	9012.7	58.3
1472.5	16247.3	55.3	1512.5	16388.0	55.3	1552.5	8493.5	58.8	1592.5	9016.8	58.3
1473.0	16247.3	55.3	1513.0	16387.3	55.3	1553.0	8510.1	58.8	1593.0	9019.6	58.3
1473.5	16247.3	55.3	1513.5	16388.0	55.3	1553.5	8524.6	58.8	1593.5	9024.4	58.3
1474.0	16248.0	55.3	1514.0	16387.3	55.3	1554.0	8537.7	58.8	1594.0	9027.2	58.3
1474.5	16247.3	55.3	1514.5	16387.3	55.3	1554.5	8550.8	58.8	1594.5	9030.6	58.3
1475.0	16248.0	55.3	1515.0	16387.3	55.3	1555.0	8563.9	58.8	1595.0	9032.7	58.3
1475.5	16246.6	55.3	1515.5	16387.3	55.3	1555.5	8576.3	58.8	1595.5	9037.5	58.3
1476.0	16246.6	55.3	1516.0	16388.0	55.3	1556.0	8588.0	58.8	1596.0	9039.6	58.3
1476.5	16246.6	55.3	1516.5	16385.9	55.3	1556.5	8599.7	58.8	1596.5	9041.0	58.3
1477.0	16247.3	55.3	1517.0	16388.0	55.3	1557.0	8611.4	58.8	1597.0	9045.1	58.3
1477.5	16291.4	55.3	1517.5	16387.3	55.3	1557.5	8621.1	58.8	1597.5	9049.2	58.3
1478.0	16304.5	55.3	1518.0	16386.6	55.3	1558.0	8632.1	58.8	1598.0	9052.7	58.3
1478.5	16319.7	55.3	1518.5	16387.3	55.3	1558.5	8639.7	58.8	1598.5	9054.1	58.3
1479.0	16307.3	55.3	1519.0	16386.6	55.3	1559.0	8651.4	58.8	1599.0	9058.9	58.3
1479.5	16316.3	55.3	1519.5	16385.2	55.3	1559.5	8661.1	58.8	1599.5	9061.0	58.3
1480.0	16319.0	55.3	1520.0	16381.8	55.3	1560.0	8670.0	58.8	1600.0	9063.7	58.3
1480.5	16314.9	55.3	1520.5	16379.7	55.3	1560.5	8677.6	58.8	1600.5	9065.8	58.3

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1601.0	9069.9	58.3	1641.0	7902.7	59.9	1681.0	8563.2	59.4	1721.0	8927.2	58.8
1601.5	9074.8	58.3	1641.5	7917.1	59.9	1681.5	8568.0	59.4	1721.5	8930.0	58.8
1602.0	9076.8	58.3	1642.0	7932.3	59.9	1682.0	8572.1	59.4	1722.0	8932.7	58.8
1602.5	9079.6	58.3	1642.5	7948.8	59.9	1682.5	8576.3	59.4	1722.5	8934.8	58.8
1603.0	9081.6	58.3	1643.0	7962.6	59.9	1683.0	8579.7	59.4	1723.0	8938.2	58.8
1603.5	9088.5	58.3	1643.5	7976.4	59.9	1683.5	8585.9	59.4	1723.5	8941.0	58.8
1604.0	9098.9	58.3	1644.0	7991.6	59.9	1684.0	8589.4	59.4	1724.0	8943.8	58.8
1604.5	4429.8	58.4	1644.5	8007.5	59.9	1684.5	8593.5	59.4	1724.5	8945.8	58.8
1605.0	4520.8	58.5	1645.0	8019.9	59.9	1685.0	8597.6	59.4	1725.0	8949.3	58.8
1605.5	4630.4	58.5	1645.5	8033.0	59.9	1685.5	8601.1	59.4	1725.5	8952.0	58.8
1606.0	4731.8	58.6	1646.0	8046.8	59.9	1686.0	8605.9	59.4	1726.0	8955.5	58.8
1606.5	4835.9	58.7	1646.5	8059.9	59.9	1686.5	8610.7	59.4	1726.5	8954.8	58.8
1607.0	4934.5	58.7	1647.0	8073.6	59.9	1687.0	8613.5	59.4	1727.0	8958.2	58.8
1607.5	5031.7	58.8	1647.5	8084.0	59.9	1687.5	8617.6	59.4	1727.5	8961.7	58.8
1608.0	5125.5	58.8	1648.0	8097.1	59.9	1688.0	8621.8	59.4	1728.0	8963.7	58.8
1608.5	5217.9	58.8	1648.5	8110.2	59.9	1688.5	8625.9	59.4	1728.5	8966.5	58.8
1609.0	5306.1	58.8	1649.0	8119.1	59.9	1689.0	8629.4	59.4	1729.0	8967.9	58.8
1609.5	5393.0	58.8	1649.5	8130.9	59.9	1689.5	8634.2	59.4	1729.5	8971.3	58.8
1610.0	5477.8	58.8	1650.0	8143.3	59.9	1690.0	8636.3	59.4	1730.0	8974.8	58.8
1610.5	5558.5	58.8	1650.5	8151.6	59.9	1690.5	8639.7	59.4	1730.5	8976.8	58.8
1611.0	5637.1	58.8	1651.0	8163.3	59.9	1691.0	8646.6	59.4	1731.0	8978.2	58.8
1611.5	5713.6	58.8	1651.5	8172.9	59.9	1691.5	8648.0	59.4	1731.5	8981.7	58.8
1612.0	5788.7	58.8	1652.0	8183.3	59.9	1692.0	8651.4	59.4	1732.0	8982.4	58.8
1612.5	5859.8	58.9	1652.5	8191.5	59.9	1692.5	8655.6	59.4	1732.5	8985.1	58.8
1613.0	5931.5	59.0	1653.0	8201.9	59.9	1693.0	8661.1	59.4	1733.0	8988.6	58.8
1613.5	5999.7	59.0	1653.5	8210.8	59.9	1693.5	8662.5	59.4	1733.5	8989.9	58.8
1614.0	6064.5	59.1	1654.0	8221.2	59.9	1694.0	8665.9	59.4	1734.0	8992.0	58.8
1614.5	6131.4	59.2	1654.5	8230.2	59.9	1694.5	8733.5	59.4	1734.5	8993.4	58.8
1615.0	6192.8	59.2	1655.0	8239.1	59.9	1695.0	8741.7	59.4	1735.0	8996.8	58.8
1615.5	6251.4	59.3	1655.5	8246.7	59.9	1695.5	8741.7	59.4	1735.5	8999.6	58.8
1616.0	6310.0	59.4	1656.0	8255.7	59.9	1696.0	8746.6	59.4	1736.0	9002.4	58.8
1616.5	6366.5	59.4	1656.5	8264.6	59.9	1696.5	8752.1	59.4	1736.5	9003.7	58.8
1617.0	6421.0	59.4	1657.0	8272.9	59.9	1697.0	8758.3	59.4	1737.0	9005.8	58.8
1617.5	6475.5	59.4	1657.5	8281.9	59.9	1697.5	8761.7	59.4	1737.5	9007.9	58.8
1618.0	6526.5	59.4	1658.0	8291.5	59.9	1698.0	8768.6	59.4	1738.0	9010.6	58.8
1618.5	6575.4	59.4	1658.5	8297.7	59.9	1698.5	8772.1	59.4	1738.5	9013.4	58.8
1619.0	6624.4	59.4	1659.0	8306.0	59.9	1699.0	8777.6	59.4	1739.0	9015.5	58.8
1619.5	6672.6	59.4	1659.5	8314.3	59.9	1699.5	8782.4	59.4	1739.5	9016.8	58.8
1620.0	6720.2	59.4	1660.0	8321.2	59.9	1700.0	8785.2	59.4	1740.0	9018.9	58.8
1620.5	6766.4	59.4	1660.5	8328.7	59.8	1700.5	8790.7	59.4	1740.5	9021.7	58.8
1621.0	6811.2	59.5	1661.0	8335.0	59.7	1701.0	8794.8	59.4	1741.0	9023.7	58.8
1621.5	6854.0	59.5	1661.5	8342.5	59.7	1701.5	8798.3	59.4	1741.5	9026.5	58.8
1622.0	6896.7	59.6	1662.0	8350.1	59.6	1702.0	8802.4	59.4	1742.0	9029.2	58.8
1622.5	6938.1	59.7	1662.5	8357.7	59.5	1702.5	8806.6	59.4	1742.5	9029.2	58.8
1623.0	6976.0	59.7	1663.0	8365.3	59.5	1703.0	8810.0	59.4	1743.0	9031.3	58.8
1623.5	7015.3	59.8	1663.5	8371.5	59.4	1703.5	8813.4	59.4	1743.5	9033.4	58.8
1624.0	7053.2	59.9	1664.0	8379.1	59.4	1704.0	8818.3	59.4	1744.0	9036.1	58.8
1624.5	7090.5	59.9	1664.5	8386.0	59.4	1704.5	8820.3	59.4	1744.5	9038.2	58.8
1625.0	7124.2	59.9	1665.0	8392.2	59.4	1705.0	8826.5	59.4	1745.0	9040.3	58.8
1625.5	7159.4	59.9	1665.5	8398.4	59.4	1705.5	8828.6	59.4	1745.5	9041.0	58.8
1626.0	7193.9	59.9	1666.0	8404.6	59.4	1706.0	8832.8	59.4	1746.0	9043.7	58.8
1626.5	7227.7	59.9	1666.5	8410.1	59.4	1706.5	8835.5	59.4	1746.5	9047.2	58.8
1627.0	7258.0	59.9	1667.0	8417.0	59.4	1707.0	8840.3	59.4	1747.0	9048.6	58.8
1627.5	7291.1	59.9	1667.5	8422.5	59.4	1707.5	8843.1	59.4	1747.5	9051.3	58.8
1628.0	7321.4	59.9	1668.0	8428.7	59.4	1708.0	8847.2	59.4	1748.0	9051.3	58.8
1628.5	7352.5	59.9	1668.5	8434.9	59.4	1708.5	8851.4	59.4	1748.5	9052.7	58.8
1629.0	7382.1	59.9	1669.0	8441.1	59.4	1709.0	8853.4	59.4	1749.0	9054.8	58.8
1629.5	7411.8	59.9	1669.5	8446.0	59.4	1709.5	8856.9	59.4	1749.5	9057.5	58.8
1630.0	7438.0	59.9	1670.0	8452.9	59.4	1710.0	8859.6	59.4	1750.0	9058.9	58.8
1630.5	7465.5	59.9	1670.5	8457.7	59.4	1710.5	8863.1	59.4	1750.5	9061.0	58.8
1631.0	7493.1	59.9	1671.0	8464.6	59.4	1711.0	8867.2	59.4	1751.0	9062.3	58.8
1631.5	7518.6	59.9	1671.5	8469.4	59.4	1711.5	8869.3	59.4	1751.5	9065.8	58.8
1632.0	7542.1	59.9	1672.0	8474.2	59.4	1712.0	8873.4	59.4	1752.0	9066.5	58.8
1632.5	7565.5	59.9	1672.5	8479.7	59.4	1712.5	8877.6	59.3	1752.5	9068.5	58.8
1633.0	7590.3	59.9	1673.0	8485.9	59.4	1713.0	8880.3	59.2	1753.0	9069.2	58.8
1633.5	7613.1	59.9	1673.5	8490.8	59.4	1713.5	8883.1	59.2	1753.5	9073.4	58.8
1634.0	7636.5	59.9	1674.0	8495.6	59.4	1714.0	8886.5	59.1	1754.0	9075.4	58.8
1634.5	7657.9	59.9	1674.5	8501.1	59.4	1714.5	8888.6	59.0	1754.5	9076.8	58.8
1635.0	7681.3	59.9	1675.0	8505.3	59.4	1715.0	8893.4	59.0	1755.0	9077.5	58.8
1635.5	7702.0	59.9	1675.5	8512.1	59.4	1715.5	8895.5	58.9	1755.5	9078.9	58.8
1636.0	7719.9	59.9	1676.0	8514.9	59.4	1716.0	8898.2	58.8	1756.0	9081.0	58.8
1636.5	7742.7	59.9	1676.5	8521.1	59.4	1716.5	8903.1	58.8	1756.5	9082.3	58.8
1637.0	7761.3	59.9	1677.0	8525.2	59.4	1717.0	8905.1	58.8	1757.0	9085.8	58.8
1637.5	7780.6	59.9	1677.5	8528.7	59.4	1717.5	8907.2	58.8	1757.5	9086.5	58.8
1638.0	7799.2	59.9	1678.0	8536.3	59.4	1718.0	8910.7	58.8	1758.0	9088.5	58.8
1638.5	7817.2	59.9	1678.5	8539.7	59.4	1718.5	8912.7	58.8	1758.5	9089.2	58.8
1639.0	7834.4	59.9	1679.0	8543.9	59.4	1719.0	8915.5	58.8	1759.0	9090.6	58.8
1639.5	7853.0	59.9	1679.5	8550.1	59.4	1719.5	8918.9	58.8	1759.5	9094.1	58.8
1640.0	7868.9	59.9	1680.0	8553.5	59.4	1720.0	8919.6	58.8	1760.0	9095.4	58.8
1640.5	7887.5	59.9	1680.5	8559.7	59.4	1720.5	8923.1	58.8	1760.5	9096.8	58.8

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1761.0	9098.9	58.8	1801.0	9207.8	58.3	1841.0	9282.3	58.3	1881.0	9335.4	58.3
1761.5	9101.6	58.8	1801.5	9209.2	58.3	1841.5	9283.0	58.3	1881.5	9335.4	58.3
1762.0	9102.3	58.8	1802.0	9209.9	58.3	1842.0	9284.4	58.3	1882.0	9335.4	58.3
1762.5	9103.0	58.8	1802.5	9211.3	58.3	1842.5	9285.0	58.3	1882.5	9334.7	58.3
1763.0	9103.7	58.8	1803.0	9212.0	58.3	1843.0	9286.4	58.3	1883.0	9337.4	58.3
1763.5	9105.8	58.8	1803.5	9213.3	58.3	1843.5	9286.4	58.3	1883.5	9336.8	58.3
1764.0	9108.5	58.8	1804.0	9214.7	58.3	1844.0	9286.4	58.3	1884.0	9336.8	58.3
1764.5	9109.9	58.8	1804.5	9215.4	58.3	1844.5	9287.8	58.3	1884.5	9338.8	58.3
1765.0	9111.3	58.8	1805.0	9216.8	58.3	1845.0	9287.1	58.3	1885.0	9339.5	58.3
1765.5	9112.7	58.8	1805.5	9216.8	58.3	1845.5	9289.2	58.3	1885.5	9339.5	58.3
1766.0	9114.7	58.8	1806.0	9219.5	58.3	1846.0	9289.9	58.3	1886.0	9338.8	58.3
1766.5	9116.1	58.8	1806.5	9220.9	58.3	1846.5	9290.6	58.3	1886.5	9341.6	58.3
1767.0	9116.8	58.8	1807.0	9222.3	58.3	1847.0	9291.9	58.3	1887.0	9341.6	58.3
1767.5	9120.9	58.8	1807.5	9222.3	58.3	1847.5	9293.3	58.3	1887.5	9341.6	58.3
1768.0	9123.0	58.8	1808.0	9223.7	58.3	1848.0	9293.3	58.3	1888.0	9343.0	58.3
1768.5	9124.4	58.8	1808.5	9225.1	58.3	1848.5	9294.0	58.3	1888.5	9342.3	58.3
1769.0	9124.4	58.8	1809.0	9225.7	58.3	1849.0	9293.3	58.3	1889.0	9344.3	58.3
1769.5	9125.1	58.8	1809.5	9225.7	58.3	1849.5	9295.4	58.3	1889.5	9344.3	58.3
1770.0	9127.2	58.8	1810.0	9225.7	58.3	1850.0	9296.8	58.3	1890.0	9345.0	58.3
1770.5	9127.2	58.8	1810.5	9228.5	58.3	1850.5	9296.1	58.3	1890.5	9345.0	58.3
1771.0	9130.6	58.8	1811.0	9229.2	58.3	1851.0	9297.5	58.3	1891.0	9346.4	58.3
1771.5	9131.3	58.8	1811.5	9229.9	58.3	1851.5	9297.5	58.3	1891.5	9346.4	58.3
1772.0	9134.0	58.8	1812.0	9230.6	58.3	1852.0	9298.8	58.3	1892.0	9345.7	58.3
1772.5	9135.4	58.8	1812.5	9232.6	58.3	1852.5	9300.2	58.3	1892.5	9346.4	58.3
1773.0	9136.8	58.8	1813.0	9233.3	58.3	1853.0	9300.2	58.3	1893.0	9348.5	58.3
1773.5	9138.2	58.8	1813.5	9234.7	58.3	1853.5	9300.9	58.3	1893.5	9347.1	58.3
1774.0	9138.2	58.8	1814.0	9236.8	58.3	1854.0	9300.9	58.3	1894.0	9348.5	58.3
1774.5	9139.6	58.8	1814.5	9236.8	58.3	1854.5	9301.6	58.3	1894.5	9348.5	58.3
1775.0	9140.3	58.8	1815.0	9236.8	58.3	1855.0	9303.0	58.3	1895.0	9349.9	58.3
1775.5	9143.0	58.8	1815.5	9238.2	58.3	1855.5	9303.7	58.3	1895.5	9349.9	58.3
1776.0	9143.7	58.8	1816.0	9238.8	58.3	1856.0	9302.3	58.3	1896.0	9349.9	58.3
1776.5	9146.5	58.8	1816.5	9239.5	58.3	1856.5	9304.3	58.3	1896.5	9351.2	58.3
1777.0	9148.5	58.8	1817.0	9239.5	58.3	1857.0	9305.7	58.3	1897.0	9351.9	58.3
1777.5	9148.5	58.8	1817.5	9242.3	58.3	1857.5	9307.1	58.3	1897.5	9351.9	58.3
1778.0	9151.3	58.8	1818.0	9244.4	58.3	1858.0	9307.1	58.3	1898.0	9353.3	58.3
1778.5	9151.3	58.8	1818.5	9243.7	58.3	1858.5	9307.8	58.3	1898.5	9352.6	58.3
1779.0	9152.7	58.8	1819.0	9245.7	58.3	1859.0	9309.2	58.3	1899.0	9354.0	58.3
1779.5	9154.0	58.8	1819.5	9246.4	58.3	1859.5	9309.2	58.3	1899.5	9355.4	58.3
1780.0	9155.4	58.8	1820.0	9247.1	58.3	1860.0	9309.2	58.3	1900.0	9355.4	58.3
1780.5	9158.2	58.8	1820.5	9247.8	58.3	1860.5	9310.6	58.3	1900.5	9354.0	58.3
1781.0	9158.2	58.7	1821.0	9247.8	58.3	1861.0	9310.6	58.3	1901.0	9356.7	58.3
1781.5	9161.6	58.7	1821.5	9249.2	58.3	1861.5	9312.6	58.3	1901.5	9356.7	58.3
1782.0	9161.6	58.6	1822.0	9249.9	58.3	1862.0	9312.6	58.3	1902.0	9358.1	58.3
1782.5	9163.0	58.5	1822.5	9251.3	58.3	1862.5	9312.6	58.3	1902.5	9358.1	58.3
1783.0	9164.4	58.5	1823.0	9250.6	58.3	1863.0	9314.0	58.3	1903.0	9358.8	58.3
1783.5	9165.8	58.4	1823.5	9251.9	58.3	1863.5	9314.7	58.3	1903.5	9358.8	58.3
1784.0	9167.1	58.3	1824.0	9253.3	58.3	1864.0	9315.4	58.3	1904.0	9358.8	58.3
1784.5	9168.5	58.3	1824.5	9254.0	58.3	1864.5	9315.4	58.3	1904.5	9358.8	58.3
1785.0	9169.9	58.3	1825.0	9256.1	58.3	1865.0	9316.8	58.3	1905.0	9358.8	58.3
1785.5	9172.7	58.3	1825.5	9258.2	58.3	1865.5	9317.4	58.3	1905.5	9359.5	58.3
1786.0	9173.3	58.3	1826.0	9257.5	58.3	1866.0	9317.4	58.3	1906.0	9359.5	58.3
1786.5	9174.0	58.3	1826.5	9258.8	58.3	1866.5	9318.8	58.3	1906.5	9360.2	58.3
1787.0	9176.1	58.3	1827.0	9259.5	58.3	1867.0	9320.2	58.3	1907.0	9360.2	58.3
1787.5	9176.1	58.3	1827.5	9260.9	58.3	1867.5	9318.8	58.3	1907.5	9362.3	58.3
1788.0	9178.2	58.3	1828.0	9261.6	58.3	1868.0	9320.9	58.3	1908.0	9363.0	58.3
1788.5	9178.9	58.3	1828.5	9261.6	58.3	1868.5	9321.6	58.3	1908.5	9362.3	58.3
1789.0	9180.2	58.3	1829.0	9261.6	58.3	1869.0	9322.3	58.3	1909.0	9363.0	58.3
1789.5	9180.2	58.3	1829.5	9263.7	58.3	1869.5	9323.0	58.3	1909.5	9362.3	58.3
1790.0	9182.3	58.3	1830.0	9264.4	58.3	1870.0	9322.3	58.3	1910.0	9363.6	58.3
1790.5	9185.1	58.3	1830.5	9265.0	58.3	1870.5	9323.0	58.3	1910.5	9364.3	58.3
1791.0	9186.4	58.3	1831.0	9265.7	58.3	1871.0	9323.7	58.3	1911.0	9364.3	58.3
1791.5	9187.1	58.3	1831.5	9266.4	58.3	1871.5	9323.7	58.3	1911.5	9365.7	58.3
1792.0	9188.5	58.3	1832.0	9267.8	58.3	1872.0	9324.3	58.3	1912.0	9367.1	58.3
1792.5	9188.5	58.3	1832.5	9268.5	58.3	1872.5	9325.0	58.3	1912.5	9365.7	58.3
1793.0	9189.9	58.3	1833.0	9270.6	58.3	1873.0	9325.0	58.3	1913.0	9367.1	58.3
1793.5	9189.9	58.3	1833.5	9271.9	58.3	1873.5	9325.0	58.3	1913.5	9367.8	58.3
1794.0	9191.3	58.3	1834.0	9271.3	58.3	1874.0	9327.1	58.3	1914.0	9367.8	58.3
1794.5	9193.3	58.3	1834.5	9272.6	58.3	1874.5	9327.1	58.3	1914.5	9367.8	58.3
1795.0	9194.7	58.3	1835.0	9274.0	58.3	1875.0	9328.5	58.3	1915.0	9368.5	58.3
1795.5	9196.1	58.3	1835.5	9274.0	58.3	1875.5	9328.5	58.3	1915.5	9367.8	58.3
1796.0	9197.5	58.3	1836.0	9274.7	58.3	1876.0	9329.9	58.3	1916.0	9369.8	58.3
1796.5	9199.5	58.3	1836.5	9275.4	58.3	1876.5	9329.9	58.3	1916.5	9369.8	58.3
1797.0	9200.2	58.3	1837.0	9275.4	58.3	1877.0	9329.9	58.3	1917.0	9370.5	58.3
1797.5	9200.9	58.3	1837.5	9276.1	58.3	1877.5	9330.5	58.3	1917.5	9371.9	58.3
1798.0	9201.6	58.3	1838.0	9278.1	58.3	1878.0	9331.2	58.3	1918.0	9371.9	58.3
1798.5	9202.3	58.3	1838.5	9277.5	58.3	1878.5	9334.0	58.3	1918.5	9371.9	58.3
1799.0	9203.0	58.3	1839.0	9279.5	58.3	1879.0	9332.6	58.3	1919.0	9371.9	58.3
1799.5	9204.4	58.3	1839.5	9280.2	58.3	1879.5	9334.0	58.3	1919.5	9371.9	58.3
1800.0	9205.1	58.3	1840.0	9281.6	58.3	1880.0	9334.7	58.3	1920.0	9372.6	58.3
1800.5	9207.1	58.3	1840.5	9282.3	58.3	1880.5	9334.7	58.3	1920.5	9372.6	58.3

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1921.0	9373.3	58.3	1961.0	16234.9	58.3	2001.0	16362.5	58.3	2041.0	16281.1	58.3
1921.5	9372.6	58.3	1961.5	16235.6	58.3	2001.5	16354.9	58.3	2041.5	16281.1	58.3
1922.0	9373.3	58.3	1962.0	16235.6	58.3	2002.0	16359.0	58.3	2042.0	16282.5	58.3
1922.5	9373.3	58.3	1962.5	16233.5	58.3	2002.5	16343.8	58.3	2042.5	16281.8	58.3
1923.0	9374.0	58.3	1963.0	16233.5	58.3	2003.0	16332.8	58.3	2043.0	16280.4	58.3
1923.5	9374.0	58.3	1963.5	16232.8	58.3	2003.5	16325.9	58.3	2043.5	16280.4	58.3
1924.0	9375.4	58.3	1964.0	16231.5	58.3	2004.0	16320.4	58.3	2044.0	16279.7	58.3
1924.5	9375.4	58.3	1964.5	16232.8	58.3	2004.5	16316.3	58.3	2044.5	16279.7	58.3
1925.0	9376.7	58.3	1965.0	16231.5	58.3	2005.0	16313.5	58.3	2045.0	16277.0	58.3
1925.5	9375.4	58.3	1965.5	16231.5	58.3	2005.5	16310.1	58.3	2045.5	16278.3	58.3
1926.0	9377.4	58.3	1966.0	16230.1	58.3	2006.0	16308.0	58.3	2046.0	16279.7	58.3
1926.5	9378.1	58.3	1966.5	16228.0	58.3	2006.5	16305.9	58.3	2046.5	16279.7	58.3
1927.0	9379.5	58.3	1967.0	16228.0	58.3	2007.0	16302.5	58.3	2047.0	16278.3	58.3
1927.5	9379.5	58.3	1967.5	16227.3	58.3	2007.5	16301.1	58.3	2047.5	16278.3	58.3
1928.0	9378.8	58.3	1968.0	16227.3	58.3	2008.0	16300.4	58.3	2048.0	16278.3	58.3
1928.5	9379.5	58.3	1968.5	16226.6	58.3	2008.5	16300.4	58.3	2048.5	16278.3	58.3
1929.0	9379.5	58.3	1969.0	16226.6	58.3	2009.0	16298.3	58.3	2049.0	16277.0	58.3
1929.5	9381.6	58.3	1969.5	16225.9	58.3	2009.5	16296.3	58.3	2049.5	16278.3	58.3
1930.0	9380.9	58.3	1970.0	16226.6	58.3	2010.0	16294.9	58.3	2050.0	16277.6	58.3
1930.5	9381.6	58.3	1970.5	16226.6	58.3	2010.5	16297.0	58.3	2050.5	16279.7	58.3
1931.0	9382.3	58.3	1971.0	16225.9	58.3	2011.0	16294.9	58.3	2051.0	16278.3	58.3
1931.5	9382.3	58.3	1971.5	16225.9	58.3	2011.5	16294.2	58.3	2051.5	16277.6	58.3
1932.0	9383.6	58.3	1972.0	16225.2	58.3	2012.0	16294.2	58.3	2052.0	16276.3	58.3
1932.5	9382.3	58.3	1972.5	16225.2	58.3	2012.5	16291.4	58.3	2052.5	16277.6	58.3
1933.0	9382.3	58.3	1973.0	16225.2	58.3	2013.0	16290.7	58.3	2053.0	16277.6	58.3
1933.5	9383.6	58.3	1973.5	16223.9	58.3	2013.5	16290.1	58.3	2053.5	16277.0	58.3
1934.0	9383.6	58.3	1974.0	16223.9	58.3	2014.0	16290.7	58.3	2054.0	16277.6	58.3
1934.5	9383.6	58.3	1974.5	16223.2	58.3	2014.5	16290.7	58.3	2054.5	16277.6	58.3
1935.0	9383.6	58.3	1975.0	16596.2	58.3	2015.0	16290.7	58.3	2055.0	16276.3	58.3
1935.5	9385.0	58.3	1975.5	16393.5	58.3	2015.5	16290.7	58.3	2055.5	16276.3	58.3
1936.0	9386.4	58.3	1976.0	16372.1	58.3	2016.0	16288.7	58.3	2056.0	16277.0	58.3
1936.5	9385.7	58.3	1976.5	16356.9	58.3	2016.5	16291.4	58.3	2056.5	16276.3	58.3
1937.0	9385.7	58.3	1977.0	16343.1	58.3	2017.0	16288.0	58.3	2057.0	16277.0	58.3
1937.5	9385.7	58.3	1977.5	16330.7	58.3	2017.5	16288.0	58.3	2057.5	16277.0	58.3
1938.0	9386.4	58.3	1978.0	16499.7	58.3	2018.0	16288.7	58.3	2058.0	16276.3	58.3
1938.5	9386.4	58.3	1978.5	16403.1	58.3	2018.5	16288.0	58.3	2058.5	16276.3	58.3
1939.0	9387.1	58.3	1979.0	16383.1	58.3	2019.0	16289.4	58.3	2059.0	16277.6	58.3
1939.5	9387.1	58.3	1979.5	16367.3	58.3	2019.5	16286.6	58.3	2059.5	16274.2	58.3
1940.0	9387.1	58.3	1980.0	16359.7	58.3	2020.0	16286.6	58.3	2060.0	16275.6	58.3
1940.5	9387.8	58.3	1980.5	16348.7	58.3	2020.5	16287.3	58.3	2060.5	16272.8	58.3
1941.0	9388.5	58.3	1981.0	16343.8	58.3	2021.0	16287.3	58.3	2061.0	16275.6	58.3
1941.5	9388.5	58.3	1981.5	16339.0	58.3	2021.5	16286.6	58.3	2061.5	16274.2	58.3
1942.0	9387.8	58.3	1982.0	16335.6	58.3	2022.0	16284.5	58.3	2062.0	16272.8	58.3
1942.5	9390.5	58.3	1982.5	16331.4	58.3	2022.5	16285.2	58.3	2062.5	16274.2	58.3
1943.0	9391.2	58.3	1983.0	16329.4	58.3	2023.0	16284.5	58.3	2063.0	16274.2	58.3
1943.5	9390.5	58.3	1983.5	16329.4	58.3	2023.5	16284.5	58.3	2063.5	16274.2	58.3
1944.0	9390.5	58.3	1984.0	16356.9	58.3	2024.0	16285.2	58.3	2064.0	16274.2	58.3
1944.5	9391.9	58.3	1984.5	16333.5	58.3	2024.5	16286.6	58.3	2064.5	16273.5	58.3
1945.0	9391.9	58.3	1985.0	16327.3	58.3	2025.0	16285.2	58.3	2065.0	16272.1	58.3
1945.5	9392.6	58.3	1985.5	16325.2	58.3	2025.5	16284.5	58.3	2065.5	16273.5	58.3
1946.0	9393.3	58.3	1986.0	16325.9	58.3	2026.0	16283.9	58.3	2066.0	16273.5	58.3
1946.5	9392.6	58.3	1986.5	16267.3	58.3	2026.5	16280.4	58.3	2066.5	16273.5	58.3
1947.0	9392.6	58.3	1987.0	16328.7	58.3	2027.0	16282.5	58.3	2067.0	16274.2	58.3
1947.5	9393.3	58.3	1987.5	16331.4	58.3	2027.5	16283.2	58.3	2067.5	16273.5	58.3
1948.0	9393.3	58.3	1988.0	16328.7	58.3	2028.0	16281.8	58.3	2068.0	16272.1	58.3
1948.5	9576.7	58.3	1988.5	16389.3	58.3	2028.5	16279.7	58.3	2068.5	16273.5	58.3
1949.0	16159.7	58.3	1989.0	16356.9	58.3	2029.0	16281.8	58.3	2069.0	16272.8	58.3
1949.5	16183.9	58.3	1989.5	16394.2	58.3	2029.5	16283.2	58.3	2069.5	16274.2	58.3
1950.0	16197.0	58.3	1990.0	16381.1	58.3	2030.0	16282.5	58.3	2070.0	16272.8	58.3
1950.5	16209.4	58.3	1990.5	16372.8	58.3	2030.5	16282.5	58.3	2070.5	16272.1	58.3
1951.0	16217.0	58.3	1991.0	16361.1	58.3	2031.0	16280.4	58.3	2071.0	16272.8	58.3
1951.5	16221.8	58.3	1991.5	16350.7	58.3	2031.5	16279.7	58.3	2071.5	16272.8	58.3
1952.0	16224.6	58.3	1992.0	16342.5	58.3	2032.0	16279.7	58.3	2072.0	16270.8	58.3
1952.5	16233.5	58.3	1992.5	16336.3	58.3	2032.5	16281.8	58.3	2072.5	16273.5	58.3
1953.0	16254.2	58.3	1993.0	16332.1	58.3	2033.0	16278.3	58.3	2073.0	16270.8	58.3
1953.5	16253.5	58.3	1993.5	16327.3	58.3	2033.5	16281.1	58.3	2073.5	16272.1	58.3
1954.0	16251.4	58.3	1994.0	16325.9	58.3	2034.0	16278.3	58.3	2074.0	16272.1	58.3
1954.5	16250.1	58.3	1994.5	16325.2	58.3	2034.5	16277.6	58.3	2074.5	16270.1	58.3
1955.0	16248.0	58.3	1995.0	16323.2	58.3	2035.0	16277.6	58.3	2075.0	16270.1	58.3
1955.5	16244.6	58.3	1995.5	16319.7	58.3	2035.5	16277.0	58.3	2075.5	16272.1	58.3
1956.0	16244.6	58.3	1996.0	16318.3	58.3	2036.0	16277.6	58.3	2076.0	16268.7	58.3
1956.5	16241.8	58.3	1996.5	16313.5	58.3	2036.5	16276.3	58.3	2076.5	16269.4	58.3
1957.0	16241.1	58.3	1997.0	16313.5	58.3	2037.0	16277.6	58.3	2077.0	16268.7	58.3
1957.5	16239.7	58.3	1997.5	16314.9	58.3	2037.5	16276.3	58.3	2077.5	16268.0	58.3
1958.0	16238.3	58.3	1998.0	16312.8	58.3	2038.0	16275.6	58.3	2078.0	16268.7	58.3
1958.5	16238.3	58.3	1998.5	16312.1	58.3	2038.5	16278.3	58.3	2078.5	16268.7	58.3
1959.0	16237.7	58.3	1999.0	16418.3	58.3	2039.0	16279.7	58.3	2079.0	16269.4	58.3
1959.5	16237.7	58.3	1999.5	16387.3	58.3	2039.5	16281.8	58.3	2079.5	16268.7	58.3
1960.0	16238.3	58.3	2000.0	16374.9	58.3	2040.0	16281.1	58.3	2080.0	16268.7	58.3
1960.5	16237.7	58.3	2000.5	16381.1	58.3	2040.5	16281.8	58.3	2080.5	16269.4	58.3

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2081.0	16269.4	58.3	2121.0	16313.5	58.2	2161.0	15608.2	56.3	2201.0	14363.0	52.2
2081.5	16270.1	58.3	2121.5	16309.4	58.2	2161.5	15606.8	56.3	2201.5	14363.7	52.1
2082.0	16272.8	58.3	2122.0	16081.8	58.1	2162.0	15604.7	56.3	2202.0	14362.3	52.0
2082.5	16312.8	58.3	2122.5	16285.2	58.0	2162.5	15602.0	56.3	2202.5	14346.4	52.0
2083.0	16287.3	58.3	2123.0	16394.2	58.0	2163.0	15599.2	56.3	2203.0	14347.8	51.9
2083.5	16277.0	58.3	2123.5	16382.4	57.9	2163.5	15375.8	56.3	2203.5	14349.2	51.9
2084.0	16276.3	58.3	2124.0	16370.0	57.8	2164.0	15308.9	56.3	2204.0	14348.5	51.8
2084.5	16274.9	58.3	2124.5	16359.7	57.8	2164.5	15505.4	56.3	2204.5	14347.1	51.7
2085.0	16274.9	58.3	2125.0	16350.0	57.8	2165.0	15502.7	56.2	2205.0	14346.4	51.7
2085.5	16273.5	58.3	2125.5	16121.1	57.8	2165.5	15499.9	56.1	2205.5	14346.4	51.6
2086.0	16272.1	58.3	2126.0	16072.9	57.8	2166.0	15499.2	56.1	2206.0	14345.1	51.5
2086.5	16270.8	58.3	2126.5	16323.2	57.8	2166.5	15245.5	56.0	2206.5	14178.2	51.5
2087.0	16270.8	58.3	2127.0	16311.4	57.8	2167.0	15398.6	55.9	2207.0	14107.2	51.4
2087.5	16270.1	58.3	2127.5	16302.5	57.8	2167.5	15400.0	55.9	2207.5	14265.8	51.3
2088.0	16270.8	58.3	2128.0	16296.3	57.8	2168.0	15400.6	55.8	2208.0	14267.8	51.3
2088.5	16270.1	58.3	2128.5	16285.2	57.8	2168.5	15398.6	55.8	2208.5	14265.1	51.2
2089.0	16270.1	58.3	2129.0	16282.5	57.8	2169.0	15398.6	55.7	2209.0	14081.0	51.2
2089.5	16272.1	58.3	2129.5	16277.0	57.8	2169.5	15395.1	55.6	2209.5	14345.8	51.1
2090.0	16270.8	58.3	2130.0	16273.5	57.8	2170.0	15393.7	55.6	2210.0	14075.5	51.0
2090.5	16270.1	58.3	2130.5	16268.7	57.8	2170.5	15159.3	55.5	2210.5	14169.2	51.0
2091.0	16270.1	58.3	2131.0	16264.5	57.8	2171.0	15129.0	55.4	2211.0	14167.9	50.9
2091.5	16269.4	58.3	2131.5	16263.9	57.8	2171.5	15291.0	55.4	2211.5	14167.2	50.8
2092.0	16269.4	58.3	2132.0	16259.7	57.8	2172.0	15289.6	55.3	2212.0	14165.1	50.8
2092.5	16268.7	58.3	2132.5	16257.0	57.8	2172.5	15290.3	55.3	2212.5	14163.7	50.7
2093.0	16268.0	58.3	2133.0	16254.2	57.8	2173.0	15289.6	55.2	2213.0	13953.4	50.7
2093.5	16266.6	58.3	2133.5	16252.1	57.8	2173.5	15055.2	55.1	2213.5	14050.0	50.6
2094.0	16267.3	58.3	2134.0	16248.0	57.8	2174.0	15195.9	55.1	2214.0	14050.0	50.5
2094.5	16268.0	58.3	2134.5	16077.7	57.8	2174.5	15195.2	55.0	2214.5	14050.0	50.5
2095.0	16268.0	58.3	2135.0	16021.2	57.8	2175.0	15193.8	54.9	2215.0	14049.3	50.4
2095.5	16267.3	58.3	2135.5	15987.4	57.8	2175.5	15194.5	54.9	2215.5	13861.7	50.3
2096.0	16266.6	58.3	2136.0	16188.0	57.8	2176.0	15193.8	54.8	2216.0	13945.2	50.3
2096.5	16266.6	58.3	2136.5	16261.8	57.8	2176.5	15190.4	54.8	2216.5	13947.2	50.2
2097.0	16268.0	58.3	2137.0	16246.6	57.8	2177.0	15189.0	54.8	2217.0	13946.5	50.2
2097.5	16266.6	58.3	2137.5	16234.2	57.8	2177.5	15187.6	54.8	2217.5	13793.5	50.1
2098.0	16265.9	58.3	2138.0	16226.6	57.8	2178.0	14951.1	54.8	2218.0	13725.2	50.0
2098.5	16267.3	58.3	2138.5	16221.8	57.8	2178.5	15096.6	54.8	2218.5	13848.0	50.0
2099.0	16266.6	58.3	2139.0	16216.3	57.8	2179.0	15093.8	54.8	2219.0	13848.0	49.9
2099.5	16268.0	58.3	2139.5	16210.8	57.8	2179.5	15093.8	54.8	2219.5	13847.3	49.8
2100.0	16265.9	58.3	2140.0	16204.6	57.8	2180.0	15091.1	54.8	2220.0	13653.5	49.8
2100.5	16265.9	58.3	2140.5	16068.0	57.8	2180.5	14878.0	54.8	2220.5	13740.4	49.7
2101.0	16266.6	58.3	2141.0	15970.1	57.8	2181.0	14838.0	54.7	2221.0	13743.8	49.6
2101.5	16265.9	58.3	2141.5	15912.2	57.8	2181.5	14982.8	54.6	2221.5	13742.5	49.6
2102.0	16265.2	58.3	2142.0	16099.8	57.8	2182.0	14982.8	54.6	2222.0	13586.6	49.5
2102.5	16265.2	58.3	2142.5	16097.0	57.8	2182.5	14981.4	54.5	2222.5	13511.5	49.5
2103.0	16265.9	58.3	2143.0	16128.7	57.8	2183.0	14980.1	54.4	2223.0	13640.4	49.4
2103.5	16031.5	58.3	2143.5	16121.1	57.8	2183.5	14978.7	54.4	2223.5	13639.7	49.3
2104.0	16265.9	58.3	2144.0	16118.4	57.8	2184.0	14978.7	54.3	2224.0	13639.7	49.3
2104.5	16294.2	58.3	2144.5	16110.1	57.8	2184.5	14758.1	54.2	2224.5	13448.1	49.2
2105.0	16297.0	58.3	2145.0	16105.3	57.7	2185.0	14873.2	54.2	2225.0	13534.9	49.1
2105.5	16297.0	58.3	2145.5	15909.5	57.6	2185.5	14920.1	54.1	2225.5	13530.1	49.1
2106.0	16296.3	58.3	2146.0	15837.8	57.6	2186.0	14896.6	54.1	2226.0	13531.5	49.0
2106.5	16294.9	58.3	2146.5	16059.1	57.5	2186.5	14892.5	54.0	2226.5	13403.2	49.0
2107.0	16292.1	58.3	2147.0	16026.7	57.5	2187.0	14891.1	53.9	2227.0	13310.9	48.9
2107.5	16290.1	58.3	2147.5	16021.2	57.4	2187.5	14656.7	53.9	2227.5	13421.9	48.8
2108.0	16288.7	58.3	2148.0	16017.0	57.3	2188.0	14769.1	53.8	2228.0	13423.2	48.8
2108.5	16288.0	58.3	2148.5	16011.5	57.3	2188.5	14772.5	53.7	2228.5	13425.3	48.7
2109.0	16285.2	58.3	2149.0	15805.4	57.3	2189.0	14772.5	53.7	2229.0	13254.3	48.6
2109.5	16283.9	58.3	2149.5	15718.5	57.3	2189.5	14772.5	53.6	2229.5	13206.7	48.6
2110.0	16281.8	58.3	2150.0	15934.3	57.3	2190.0	14771.8	53.6	2230.0	13322.6	48.5
2110.5	16280.4	58.3	2150.5	15925.3	57.3	2190.5	14769.8	53.5	2230.5	13322.6	48.5
2111.0	16279.7	58.3	2151.0	15921.2	57.3	2191.0	14537.4	53.4	2231.0	13321.9	48.4
2111.5	16278.3	58.3	2151.5	15915.7	57.3	2191.5	14662.2	53.4	2231.5	13117.8	48.3
2112.0	16277.0	58.3	2152.0	15655.1	57.3	2192.0	14665.7	53.3	2232.0	13218.5	48.3
2112.5	16276.3	58.3	2152.5	15708.1	57.3	2192.5	14666.4	53.2	2232.5	13219.8	48.2
2113.0	16274.9	58.3	2153.0	15808.1	57.2	2193.0	14667.0	53.2	2233.0	13217.8	48.1
2113.5	16427.3	58.3	2153.5	15807.4	57.1	2193.5	14664.3	53.1	2233.5	13051.6	48.1
2114.0	16283.9	58.3	2154.0	15806.0	57.1	2194.0	14485.0	53.1	2234.0	12977.8	48.0
2114.5	16442.4	58.3	2154.5	15804.0	57.0	2194.5	14405.7	53.0	2234.5	13104.0	47.9
2115.0	16473.5	58.3	2155.0	15801.9	57.0	2195.0	14562.9	52.9	2235.0	13104.7	47.9
2115.5	16386.6	58.3	2155.5	15799.8	56.9	2195.5	14562.9	52.9	2235.5	13105.4	47.8
2116.0	16369.3	58.3	2156.0	15797.1	56.8	2196.0	14562.2	52.8	2236.0	12933.0	47.8
2116.5	16361.1	58.3	2156.5	15533.7	56.8	2196.5	14562.2	52.7	2236.5	12888.9	47.7
2117.0	16351.4	58.3	2157.0	15707.5	56.7	2197.0	14723.6	52.7	2237.0	12995.1	47.6
2117.5	16345.9	58.3	2157.5	15704.7	56.6	2197.5	14338.2	52.6	2237.5	12995.8	47.6
2118.0	16338.3	58.3	2158.0	15719.2	56.6	2198.0	14577.4	52.5	2238.0	12996.5	47.5
2118.5	16334.2	58.3	2158.5	15715.7	56.5	2198.5	14466.4	52.5	2238.5	12794.4	47.4
2119.0	16328.7	58.3	2159.0	15711.6	56.5	2199.0	14465.7	52.4	2239.0	12906.8	47.4
2119.5	16323.8	58.3	2159.5	15668.2	56.4	2199.5	14465.0	52.4	2239.5	12906.8	47.3
2120.0	16319.0	58.3	2160.0	15437.9	56.3	2200.0	14327.1	52.3	2240.0	12906.1	47.3
2120.5	16316.3	58.3	2160.5	15617.8	56.3	2200.5	14212.7	52.2	2240.5	12746.9	47.2

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2241.0	12697.9	47.1	2281.0	11443.8	42.2	2321.0	9659.4	37.5	2361.0	8891.4	34.6
2241.5	12798.6	47.1	2281.5	11308.6	42.2	2321.5	9659.4	37.5	2361.5	8891.4	34.6
2242.0	12799.3	47.0	2282.0	11233.5	42.2	2322.0	9658.0	37.4	2362.0	8889.3	34.6
2242.5	12799.3	46.9	2282.5	11341.7	42.2	2322.5	9656.0	37.4	2362.5	8889.3	34.6
2243.0	12605.5	46.9	2283.0	11341.0	42.2	2323.0	9657.4	37.3	2363.0	8890.0	34.6
2243.5	12693.8	46.8	2283.5	11339.7	42.2	2323.5	9536.7	37.2	2363.5	8887.9	34.6
2244.0	12696.5	46.7	2284.0	11339.0	42.2	2324.0	9635.3	37.2	2364.0	8889.3	34.6
2244.5	12696.5	46.7	2284.5	11338.3	42.1	2324.5	9553.9	37.1	2364.5	8886.5	34.6
2245.0	12574.5	46.6	2285.0	11190.0	42.1	2325.0	9553.2	37.0	2365.0	8887.9	34.5
2245.5	12488.3	46.6	2285.5	11299.0	42.0	2325.5	9552.6	37.0	2365.5	8889.3	34.5
2246.0	12588.3	46.5	2286.0	11230.7	42.0	2326.0	9400.2	36.9	2366.0	8887.9	34.4
2246.5	12589.7	46.4	2286.5	11229.3	41.9	2326.5	9445.7	36.8	2366.5	8889.3	34.3
2247.0	12590.4	46.4	2287.0	11230.0	41.8	2327.0	9447.8	36.8	2367.0	8887.2	34.3
2247.5	12589.7	46.3	2287.5	11072.1	41.8	2327.5	9447.8	36.7	2367.5	8887.9	34.2
2248.0	12418.7	46.2	2288.0	11132.1	41.7	2328.0	9333.3	36.7	2368.0	8887.9	34.1
2248.5	12377.3	46.2	2288.5	11132.8	41.6	2328.5	9258.8	36.6	2368.5	8887.9	34.1
2249.0	12486.3	46.1	2289.0	11131.4	41.6	2329.0	9338.1	36.5	2369.0	8887.9	34.1
2249.5	12485.6	46.1	2289.5	11130.1	41.5	2329.5	9338.1	36.5	2369.5	8886.5	34.1
2250.0	12487.6	46.0	2290.0	10959.1	41.5	2330.0	9336.8	36.4	2370.0	8886.5	34.1
2250.5	12308.4	45.9	2290.5	11019.1	41.4	2330.5	9256.1	36.3	2370.5	8887.2	34.1
2251.0	12386.3	45.9	2291.0	11018.4	41.3	2331.0	9185.8	36.3	2371.0	8886.5	34.1
2251.5	12387.0	45.8	2291.5	11017.0	41.3	2331.5	9232.0	36.2	2371.5	8886.5	34.1
2252.0	12387.0	45.7	2292.0	10899.1	41.2	2332.0	9232.0	36.2	2372.0	8885.1	34.1
2252.5	12387.0	45.7	2292.5	10827.4	41.1	2332.5	9232.0	36.2	2372.5	8886.5	34.1
2253.0	12227.0	45.6	2293.0	10912.9	41.1	2333.0	9232.0	36.2	2373.0	8886.5	34.1
2253.5	12289.1	45.6	2293.5	10912.2	41.0	2333.5	9232.0	36.2	2373.5	8885.8	34.1
2254.0	12276.7	45.5	2294.0	10800.5	41.0	2334.0	9122.3	36.2	2374.0	8885.1	34.1
2254.5	12277.3	45.4	2294.5	10740.5	40.9	2334.5	9244.4	36.2	2374.5	8885.1	34.1
2255.0	12276.7	45.4	2295.0	10806.7	40.8	2335.0	9132.7	36.2	2375.0	8885.8	34.1
2255.5	12096.7	45.3	2295.5	10806.0	40.8	2335.5	9131.3	36.2	2375.5	8885.8	34.1
2256.0	12175.3	45.2	2296.0	10806.7	40.7	2336.0	9131.3	36.2	2376.0	8885.1	34.1
2256.5	12175.3	45.2	2296.5	10683.3	40.6	2336.5	9031.3	36.1	2376.5	8885.8	34.1
2257.0	12174.6	45.1	2297.0	10630.9	40.6	2337.0	8943.1	36.0	2377.0	8885.1	34.1
2257.5	12034.6	45.0	2297.5	10702.6	40.5	2337.5	9019.6	36.0	2377.5	8884.5	34.1
2258.0	11956.7	45.0	2298.0	10703.3	40.4	2338.0	9018.9	35.9	2378.0	8884.5	34.1
2258.5	12076.7	44.9	2298.5	10701.2	40.4	2338.5	9018.9	35.8	2378.5	8885.1	34.1
2259.0	12076.0	44.9	2299.0	10559.9	40.3	2339.0	9016.8	35.8	2379.0	8883.8	34.1
2259.5	12076.7	44.8	2299.5	10594.3	40.3	2339.5	9018.2	35.7	2379.5	8885.1	34.1
2260.0	11899.5	44.7	2300.0	10595.0	40.2	2340.0	8907.2	35.6	2380.0	8883.8	34.1
2260.5	11978.8	44.7	2300.5	10594.3	40.1	2340.5	8872.0	35.6	2380.5	8884.5	34.1
2261.0	11978.1	44.6	2301.0	10502.0	40.1	2341.0	8911.3	35.6	2381.0	8884.5	34.1
2261.5	11978.8	44.5	2301.5	10414.4	40.0	2341.5	8912.7	35.6	2381.5	8884.5	34.1
2262.0	11978.8	44.5	2302.0	10494.4	39.9	2342.0	8911.3	35.6	2382.0	8884.5	34.1
2262.5	11834.7	44.4	2302.5	10493.0	39.9	2342.5	8909.3	35.6	2382.5	8884.5	34.1
2263.0	11758.9	44.4	2303.0	10492.3	39.8	2343.0	8908.6	35.6	2383.0	8883.1	34.1
2263.5	11863.7	44.3	2303.5	10351.7	39.8	2343.5	8907.2	35.6	2383.5	8883.8	34.1
2264.0	11863.7	44.2	2304.0	10395.8	39.7	2344.0	8906.5	35.6	2384.0	8883.1	34.1
2264.5	11863.0	44.2	2304.5	10391.0	39.6	2344.5	8905.8	35.6	2384.5	8882.4	34.1
2265.0	11693.4	44.1	2305.0	10389.6	39.6	2345.0	8904.5	35.5	2385.0	8883.1	34.1
2265.5	11727.1	44.0	2305.5	10271.0	39.5	2345.5	8904.5	35.5	2385.5	8883.1	34.1
2266.0	11758.2	44.0	2306.0	10209.6	39.4	2346.0	8903.1	35.4	2386.0	8882.4	34.1
2266.5	11758.9	43.9	2306.5	10282.7	39.4	2346.5	8902.4	35.3	2386.5	8882.4	34.1
2267.0	11758.2	43.9	2307.0	10281.3	39.3	2347.0	8901.0	35.3	2387.0	8882.4	34.1
2267.5	11757.5	43.8	2307.5	10281.3	39.2	2347.5	8901.7	35.2	2387.5	8882.4	34.1
2268.0	11756.8	43.7	2308.0	10179.3	39.2	2348.0	8900.3	35.1	2388.0	8882.4	34.1
2268.5	11755.4	43.7	2308.5	10097.2	39.1	2348.5	8900.3	35.1	2388.5	8882.4	34.1
2269.0	11754.7	43.6	2309.0	10181.4	39.1	2349.0	8898.9	35.1	2389.0	8883.1	34.0
2269.5	11753.3	43.5	2309.5	10180.7	39.0	2349.5	8897.6	35.1	2389.5	8881.7	33.9
2270.0	11754.0	43.5	2310.0	10180.0	38.9	2350.0	8896.9	35.1	2390.0	8882.4	33.9
2270.5	11753.3	43.4	2310.5	10062.1	38.9	2350.5	8895.5	35.1	2390.5	8882.4	33.8
2271.0	11752.0	43.3	2311.0	10011.7	38.8	2351.0	8894.8	35.1	2391.0	8882.4	33.8
2271.5	11751.3	43.3	2311.5	10080.7	38.7	2351.5	8895.5	35.1	2391.5	8883.1	33.7
2272.0	11750.6	43.2	2312.0	10077.9	38.7	2352.0	8894.8	35.1	2392.0	8882.4	33.6
2272.5	11750.6	43.2	2312.5	10078.6	38.6	2352.5	8893.4	35.1	2392.5	8882.4	33.6
2273.0	11607.9	43.1	2313.0	9960.7	38.6	2353.0	8893.4	35.0	2393.0	8882.4	33.6
2273.5	11567.2	43.0	2313.5	9883.5	38.5	2353.5	8894.1	35.0	2393.5	8881.7	33.6
2274.0	11652.7	43.0	2314.0	9962.1	38.4	2354.0	8894.1	34.9	2394.0	8882.4	33.6
2274.5	11652.0	42.9	2314.5	9962.8	38.4	2354.5	8892.7	34.8	2394.5	8883.1	33.6
2275.0	11652.0	42.8	2315.0	9854.5	38.3	2355.0	8892.7	34.8	2395.0	8882.4	33.6
2275.5	11652.0	42.8	2315.5	9794.6	38.2	2355.5	8893.4	34.7	2395.5	8881.7	33.6
2276.0	11527.9	42.7	2316.0	9861.4	38.2	2356.0	8893.4	34.6	2396.0	8881.7	33.6
2276.5	11461.0	42.7	2316.5	9860.7	38.1	2356.5	8892.0	34.6	2396.5	8881.7	33.6
2277.0	11518.9	42.6	2317.0	9860.7	38.0	2357.0	8892.0	34.6	2397.0	8882.4	33.6
2277.5	11547.9	42.5	2317.5	9860.7	38.0	2357.5	8891.4	34.6	2397.5	8881.7	33.6
2278.0	11547.2	42.5	2318.0	9754.6	37.9	2358.0	8891.4	34.6	2398.0	8882.4	33.6
2278.5	11547.2	42.4	2318.5	9684.2	37.9	2358.5	8892.0	34.6	2398.5	8881.7	33.6
2279.0	11408.6	42.3	2319.0	9760.1	37.8	2359.0	8890.7	34.6	2399.0	8881.7	33.6
2279.5	11333.5	42.3	2319.5	9760.8	37.7	2359.5	8891.4	34.6	2399.5	8883.1	33.6
2280.0	11444.5	42.2	2320.0	9676.7	37.7	2360.0	8890.7	34.6	2400.0	8881.7	33.6
2280.5	11444.5	42.2	2320.5	9610.5	37.6	2360.5	8891.4	34.6	2400.5	8881.7	33.6

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2401.0	8882.4	33.6	2441.0	8878.3	33.1	2481.0	8877.6	33.1	2521.0	8897.6	33.1
2401.5	8881.7	33.6	2441.5	8879.6	33.1	2481.5	8877.6	33.1	2521.5	8896.9	33.1
2402.0	8881.7	33.6	2442.0	8880.3	33.1	2482.0	8877.6	33.1	2522.0	8895.5	33.1
2402.5	8881.7	33.6	2442.5	8877.6	33.1	2482.5	8876.9	33.1	2522.5	8893.4	33.1
2403.0	8881.7	33.6	2443.0	8878.9	33.1	2483.0	8877.6	33.1	2523.0	8893.4	33.1
2403.5	8881.7	33.6	2443.5	8878.9	33.1	2483.5	8877.6	33.1	2523.5	8892.0	33.1
2404.0	8881.7	33.6	2444.0	8879.6	33.1	2484.0	8878.9	33.1	2524.0	8892.7	33.1
2404.5	8882.4	33.6	2444.5	8878.9	33.1	2484.5	8878.9	33.1	2524.5	8889.3	33.1
2405.0	8880.3	33.6	2445.0	8878.9	33.1	2485.0	8877.6	33.1	2525.0	8889.3	33.0
2405.5	8881.7	33.6	2445.5	8878.9	33.1	2485.5	8876.9	33.1	2525.5	8887.9	32.9
2406.0	8879.6	33.6	2446.0	8878.9	33.1	2486.0	8878.3	33.1	2526.0	8886.5	32.9
2406.5	8880.3	33.6	2446.5	8879.6	33.1	2486.5	8878.9	33.1	2526.5	8887.2	32.8
2407.0	8881.7	33.6	2447.0	8878.9	33.1	2487.0	8878.3	33.1	2527.0	8885.1	32.7
2407.5	8882.4	33.6	2447.5	8878.9	33.1	2487.5	8877.6	33.1	2527.5	8798.3	32.7
2408.0	8881.7	33.6	2448.0	8878.9	33.1	2488.0	8878.9	33.1	2528.0	8801.7	32.6
2408.5	8880.3	33.6	2448.5	8878.3	33.1	2488.5	8877.6	33.1	2528.5	8805.9	32.6
2409.0	8881.7	33.6	2449.0	8878.9	33.1	2489.0	8878.9	33.1	2529.0	8823.8	32.6
2409.5	8880.3	33.6	2449.5	8878.3	33.1	2489.5	8877.6	33.1	2529.5	8818.3	32.6
2410.0	8880.3	33.6	2450.0	8878.9	33.1	2490.0	8877.6	33.1	2530.0	8820.3	32.6
2410.5	8880.3	33.6	2450.5	8878.9	33.1	2490.5	8877.6	33.1	2530.5	8830.0	32.6
2411.0	8880.3	33.6	2451.0	8879.6	33.1	2491.0	8878.3	33.1	2531.0	8830.0	32.6
2411.5	8881.7	33.6	2451.5	8878.9	33.1	2491.5	8877.6	33.1	2531.5	8821.7	32.6
2412.0	8879.6	33.6	2452.0	8878.3	33.1	2492.0	8877.6	33.1	2532.0	8832.8	32.6
2412.5	8881.7	33.6	2452.5	8879.6	33.1	2492.5	8877.6	33.1	2532.5	8823.1	32.6
2413.0	8879.6	33.6	2453.0	8877.6	33.1	2493.0	8877.6	33.1	2533.0	8827.9	32.6
2413.5	8879.6	33.6	2453.5	8878.9	33.1	2493.5	8877.6	33.1	2533.5	8828.6	32.6
2414.0	8881.7	33.6	2454.0	8877.6	33.1	2494.0	8877.6	33.1	2534.0	8823.8	32.6
2414.5	8879.6	33.6	2454.5	8878.3	33.1	2494.5	8876.9	33.1	2534.5	8834.8	32.6
2415.0	8879.6	33.6	2455.0	8878.3	33.1	2495.0	8877.6	33.1	2535.0	8837.6	32.6
2415.5	8880.3	33.6	2455.5	8878.9	33.1	2495.5	8876.2	33.1	2535.5	8828.6	32.6
2416.0	8880.3	33.6	2456.0	8878.9	33.1	2496.0	8878.3	33.1	2536.0	8832.8	32.6
2416.5	8880.3	33.6	2456.5	8878.9	33.1	2496.5	8877.6	33.1	2536.5	8827.2	32.6
2417.0	8879.6	33.6	2457.0	8878.3	33.1	2497.0	8876.2	33.1	2537.0	8828.6	32.6
2417.5	8879.6	33.6	2457.5	8878.3	33.1	2497.5	8872.7	33.1	2537.5	8834.8	32.6
2418.0	8879.6	33.6	2458.0	8877.6	33.1	2498.0	8871.4	33.1	2538.0	8842.4	32.6
2418.5	8879.6	33.6	2458.5	8877.6	33.1	2498.5	8870.0	33.1	2538.5	8843.1	32.6
2419.0	8878.9	33.6	2459.0	8878.3	33.1	2499.0	8869.3	33.1	2539.0	8842.4	32.6
2419.5	8880.3	33.6	2459.5	8878.9	33.1	2499.5	8868.6	33.1	2539.5	8846.5	32.6
2420.0	8878.3	33.6	2460.0	8878.9	33.1	2500.0	8864.5	33.1	2540.0	8849.3	32.6
2420.5	8880.3	33.6	2460.5	8878.9	33.1	2500.5	8864.5	33.1	2540.5	8847.2	32.6
2421.0	8879.6	33.6	2461.0	8878.3	33.1	2501.0	8861.7	33.1	2541.0	8850.0	32.6
2421.5	8882.4	33.6	2461.5	8878.3	33.1	2501.5	8861.0	33.1	2541.5	8849.3	32.6
2422.0	8879.6	33.6	2462.0	8878.3	33.1	2502.0	8859.0	33.1	2542.0	8847.9	32.6
2422.5	8879.6	33.6	2462.5	8878.9	33.1	2502.5	8857.6	33.1	2542.5	8846.5	32.6
2423.0	8878.9	33.6	2463.0	8878.3	33.1	2503.0	8857.6	33.1	2543.0	8847.2	32.6
2423.5	8879.6	33.6	2463.5	8877.6	33.1	2503.5	8855.5	33.1	2543.5	8856.2	32.6
2424.0	8878.9	33.6	2464.0	8878.3	33.1	2504.0	8854.1	33.1	2544.0	8855.5	32.6
2424.5	8879.6	33.6	2464.5	8877.6	33.1	2504.5	8852.1	33.1	2544.5	8854.8	32.6
2425.0	8880.3	33.6	2465.0	8878.3	33.1	2505.0	8850.0	33.1	2545.0	8855.5	32.6
2425.5	8880.3	33.6	2465.5	8877.6	33.1	2505.5	8850.0	33.1	2545.5	8854.1	32.6
2426.0	8878.9	33.6	2466.0	8877.6	33.1	2506.0	8847.9	33.1	2546.0	8861.0	32.6
2426.5	8878.3	33.6	2466.5	8877.6	33.1	2506.5	8847.2	33.1	2546.5	8859.0	32.6
2427.0	8879.6	33.6	2467.0	8878.3	33.1	2507.0	8845.2	33.1	2547.0	8858.3	32.6
2427.5	8878.9	33.6	2467.5	8878.3	33.1	2507.5	8845.2	33.1	2547.5	8858.3	32.6
2428.0	8878.9	33.6	2468.0	8877.6	33.1	2508.0	8845.2	33.1	2548.0	8859.0	32.6
2428.5	8878.9	33.6	2468.5	8876.9	33.1	2508.5	8843.1	33.1	2548.5	8861.7	32.6
2429.0	8878.9	33.6	2469.0	8878.3	33.1	2509.0	8843.1	33.1	2549.0	8863.1	32.6
2429.5	8879.6	33.6	2469.5	8878.3	33.1	2509.5	8840.3	33.1	2549.5	8862.4	32.6
2430.0	8878.9	33.6	2470.0	8878.9	33.1	2510.0	8839.6	33.1	2550.0	8851.4	32.6
2430.5	8878.3	33.6	2470.5	8877.6	33.1	2510.5	8838.3	33.1	2550.5	8847.2	32.6
2431.0	8879.6	33.6	2471.0	8878.3	33.1	2511.0	8837.6	33.1	2551.0	9726.3	32.6
2431.5	8878.3	33.6	2471.5	8878.9	33.1	2511.5	8835.5	33.1	2551.5	10807.4	32.6
2432.0	8877.6	33.6	2472.0	8877.6	33.1	2512.0	8836.2	33.1	2552.0	11067.3	32.6
2432.5	8877.6	33.6	2472.5	8878.3	33.1	2512.5	8835.5	33.1	2552.5	10253.7	32.6
2433.0	8878.3	33.6	2473.0	8878.3	33.1	2513.0	8834.8	33.1	2553.0	9500.8	32.6
2433.5	8879.6	33.6	2473.5	8878.3	33.1	2513.5	8834.1	33.1	2553.5	10593.7	32.6
2434.0	8879.6	33.6	2474.0	8878.9	33.1	2514.0	8837.6	33.1	2554.0	10122.1	32.6
2434.5	8878.3	33.6	2474.5	8878.3	33.1	2514.5	9004.4	33.1	2554.5	9669.8	32.6
2435.0	8878.9	33.6	2475.0	8877.6	33.1	2515.0	8942.4	33.1	2555.0	10435.8	32.6
2435.5	8878.9	33.6	2475.5	8877.6	33.1	2515.5	8917.6	33.1	2555.5	10403.4	32.6
2436.0	8879.6	33.6	2476.0	8876.9	33.1	2516.0	8912.7	33.1	2556.0	10053.8	32.6
2436.5	8879.6	33.6	2476.5	8877.6	33.1	2516.5	8910.0	33.1	2556.5	10206.9	32.6
2437.0	8878.9	33.5	2477.0	8878.3	33.1	2517.0	8907.2	33.1	2557.0	9474.6	32.6
2437.5	8878.9	33.4	2477.5	8877.6	33.1	2517.5	8905.8	33.1	2557.5	9311.9	32.6
2438.0	8880.3	33.4	2478.0	8877.6	33.1	2518.0	8905.8	33.1	2558.0	9274.7	32.6
2438.5	8878.9	33.3	2478.5	8878.3	33.1	2518.5	8903.8	33.1	2558.5	9267.1	32.6
2439.0	8879.6	33.3	2479.0	8878.3	33.1	2519.0	8903.1	33.1	2559.0	9265.7	32.6
2439.5	8878.9	33.2	2479.5	8877.6	33.1	2519.5	8901.0	33.1	2559.5	9271.9	32.6
2440.0	8879.6	33.1	2480.0	8876.9	33.1	2520.0	8899.6	33.1	2560.0	9411.9	32.6
2440.5	8880.3	33.1	2480.5	8877.6	33.1	2520.5	8897.6	33.1	2560.5	10436.5	32.6

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2561.0	9947.6	32.6	2601.0	8836.2	32.6	2641.0	7389.7	31.0	2681.0	6251.4	27.4
2561.5	10375.8	32.6	2601.5	8838.3	32.6	2641.5	7375.9	30.9	2681.5	6251.4	27.4
2562.0	10035.2	32.6	2602.0	8839.6	32.6	2642.0	7406.2	30.9	2682.0	6250.7	27.3
2562.5	9798.7	32.6	2602.5	8838.3	32.6	2642.5	7408.3	30.8	2682.5	6251.4	27.3
2563.0	9725.6	32.6	2603.0	8838.3	32.6	2643.0	7350.4	30.7	2683.0	6250.7	27.2
2563.5	9875.2	32.6	2603.5	8838.3	32.6	2643.5	7267.7	30.7	2683.5	6250.0	27.1
2564.0	9225.7	32.6	2604.0	8838.3	32.6	2644.0	7313.8	30.6	2684.0	6250.7	27.1
2564.5	9957.3	32.6	2604.5	8838.3	32.6	2644.5	7313.2	30.5	2684.5	6250.0	27.1
2565.0	10161.4	32.6	2605.0	8837.6	32.6	2645.0	7312.5	30.5	2685.0	6249.3	27.1
2565.5	9878.7	32.6	2605.5	8836.9	32.6	2645.5	7311.1	30.4	2685.5	6250.0	27.1
2566.0	10131.0	32.6	2606.0	8836.2	32.6	2646.0	7241.5	30.3	2686.0	6250.0	27.1
2566.5	9498.1	32.6	2606.5	8836.2	32.6	2646.5	7160.8	30.3	2686.5	6249.3	27.1
2567.0	10533.7	32.6	2607.0	8836.2	32.6	2647.0	7205.6	30.2	2687.0	6250.0	27.1
2567.5	9955.2	32.6	2607.5	8836.2	32.6	2647.5	7209.0	30.2	2687.5	6250.0	27.1
2568.0	10215.1	32.6	2608.0	8835.5	32.6	2648.0	7209.0	30.1	2688.0	6249.3	27.1
2568.5	9879.4	32.6	2608.5	8738.3	32.6	2648.5	7110.5	30.0	2688.5	6250.0	27.1
2569.0	10422.7	32.6	2609.0	8688.0	32.6	2649.0	7128.4	30.0	2689.0	6249.3	27.1
2569.5	10343.4	32.6	2609.5	8743.8	32.6	2649.5	7105.6	29.9	2689.5	6248.6	27.1
2570.0	10139.3	32.6	2610.0	8750.0	32.6	2650.0	7102.2	29.8	2690.0	6249.3	27.1
2570.5	10313.0	32.6	2610.5	8750.7	32.6	2650.5	7102.2	29.8	2690.5	6249.3	27.1
2571.0	10225.5	32.6	2611.0	8750.7	32.6	2651.0	6982.2	29.7	2691.0	6249.3	27.1
2571.5	9646.3	32.6	2611.5	8759.0	32.6	2651.5	6993.2	29.7	2691.5	6249.3	27.1
2572.0	10360.6	32.6	2612.0	8759.7	32.6	2652.0	6999.4	29.6	2692.0	6250.0	27.1
2572.5	9907.6	32.6	2612.5	8634.2	32.6	2652.5	6998.1	29.6	2692.5	6250.0	27.0
2573.0	10370.3	32.6	2613.0	8659.7	32.6	2653.0	6916.7	29.6	2693.0	6247.9	26.9
2573.5	9444.3	32.6	2613.5	8663.8	32.6	2653.5	6849.1	29.6	2693.5	6247.9	26.9
2574.0	9126.5	32.6	2614.0	8662.5	32.6	2654.0	6886.4	29.6	2694.0	6248.6	26.8
2574.5	9060.3	32.6	2614.5	8661.8	32.6	2654.5	6884.3	29.6	2694.5	6249.3	26.7
2575.0	9038.2	32.6	2615.0	8661.1	32.6	2655.0	6884.3	29.6	2695.0	6250.7	26.7
2575.5	9026.5	32.6	2615.5	8542.5	32.6	2655.5	6762.3	29.6	2695.5	6250.0	26.6
2576.0	9022.4	32.6	2616.0	8616.9	32.6	2656.0	6775.4	29.6	2696.0	6249.3	26.6
2576.5	9018.9	32.6	2616.5	8554.2	32.6	2656.5	6775.4	29.5	2696.5	6156.9	26.6
2577.0	9017.5	32.6	2617.0	8554.9	32.6	2657.0	6774.0	29.5	2697.0	6152.8	26.6
2577.5	9027.2	32.6	2617.5	8476.3	32.6	2657.5	6774.0	29.4	2697.5	6145.9	26.6
2578.0	8864.5	32.6	2618.0	8384.6	32.6	2658.0	6663.7	29.3	2698.0	6148.6	26.6
2578.5	8861.7	32.6	2618.5	8442.5	32.6	2658.5	6609.9	29.3	2698.5	6145.9	26.6
2579.0	8860.3	32.6	2619.0	8443.2	32.6	2659.0	6662.3	29.2	2699.0	6147.3	26.6
2579.5	8857.6	32.6	2619.5	8442.5	32.6	2659.5	6661.6	29.1	2699.5	6045.2	26.6
2580.0	8847.9	32.6	2620.0	8283.2	32.6	2660.0	6662.3	29.1	2700.0	6040.4	26.6
2580.5	8843.1	32.6	2620.5	8281.9	32.6	2660.5	6601.6	29.0	2700.5	6041.1	26.5
2581.0	8837.6	32.6	2621.0	8328.7	32.5	2661.0	6526.5	29.0	2701.0	6040.4	26.4
2581.5	8832.1	32.6	2621.5	8330.1	32.4	2661.5	6549.9	28.9	2701.5	6040.4	26.4
2582.0	8826.5	32.6	2622.0	8332.9	32.4	2662.0	6549.9	28.8	2702.0	5953.5	26.3
2582.5	8827.9	32.6	2622.5	8346.0	32.3	2662.5	6548.5	28.8	2702.5	5894.9	26.2
2583.0	8829.3	32.6	2623.0	8222.6	32.2	2663.0	6441.0	28.7	2703.0	5923.9	26.2
2583.5	8823.8	32.6	2623.5	8218.4	32.2	2663.5	6448.6	28.6	2703.5	5923.9	26.1
2584.0	8822.4	32.6	2624.0	8243.9	32.1	2664.0	6445.8	28.6	2704.0	5872.9	26.1
2584.5	8819.7	32.6	2624.5	8241.2	32.1	2664.5	6445.1	28.5	2704.5	5828.7	26.1
2585.0	8819.7	32.6	2625.0	8119.1	32.1	2665.0	6369.3	28.5	2705.0	5824.6	26.1
2585.5	8818.3	32.6	2625.5	8139.1	32.1	2665.5	6431.3	28.4	2705.5	5823.9	26.1
2586.0	8819.0	32.6	2626.0	8132.2	32.1	2666.0	6366.5	28.3	2706.0	5824.6	26.1
2586.5	8818.3	32.6	2626.5	8130.9	32.1	2666.5	6365.8	28.3	2706.5	5750.1	26.1
2587.0	8818.3	32.6	2627.0	8095.0	32.1	2667.0	6365.8	28.2	2707.0	5721.9	26.1
2587.5	8816.9	32.6	2627.5	7979.9	32.1	2667.5	6265.9	28.1	2707.5	5728.1	26.1
2588.0	8814.1	32.6	2628.0	8016.4	32.1	2668.0	6258.3	28.1	2708.0	5728.8	26.1
2588.5	8810.0	32.6	2628.5	8017.8	32.1	2668.5	6259.6	28.1	2708.5	5673.6	26.0
2589.0	8820.3	32.6	2629.0	8015.0	32.0	2669.0	6257.6	28.1	2709.0	5612.9	25.9
2589.5	8821.7	32.6	2629.5	7880.6	31.9	2669.5	6256.9	28.1	2709.5	5624.6	25.9
2590.0	8822.4	32.6	2630.0	7915.1	31.9	2670.0	6255.5	28.1	2710.0	5625.3	25.8
2590.5	8821.7	32.6	2630.5	7919.9	31.8	2670.5	6256.9	28.1	2710.5	5577.8	25.7
2591.0	8821.0	32.6	2631.0	7917.8	31.7	2671.0	6255.5	28.1	2711.0	5505.4	25.7
2591.5	8821.7	32.6	2631.5	7814.4	31.7	2671.5	6254.1	28.1	2711.5	5516.4	25.6
2592.0	8822.4	32.6	2632.0	7744.1	31.6	2672.0	6253.4	28.1	2712.0	5515.0	25.5
2592.5	8821.0	32.6	2632.5	7813.0	31.5	2672.5	6254.1	28.0	2712.5	5461.2	25.5
2593.0	8820.3	32.6	2633.0	7818.5	31.5	2673.0	6253.4	27.9	2713.0	5421.3	25.5
2593.5	8820.3	32.6	2633.5	7815.1	31.4	2673.5	6254.1	27.9	2713.5	5422.6	25.5
2594.0	8822.4	32.6	2634.0	7672.4	31.4	2674.0	6252.8	27.8	2714.0	5421.9	25.5
2594.5	8820.3	32.6	2634.5	7702.7	31.3	2674.5	6253.4	27.8	2714.5	5399.2	25.5
2595.0	8819.7	32.6	2635.0	7708.9	31.2	2675.0	6254.8	27.7	2715.0	5327.5	25.5
2595.5	8820.3	32.6	2635.5	7722.0	31.2	2675.5	6254.1	27.6	2715.5	5330.2	25.5
2596.0	8820.3	32.6	2636.0	7615.1	31.1	2676.0	6253.4	27.6	2716.0	5328.9	25.5
2596.5	8820.3	32.6	2636.5	7632.4	31.1	2676.5	6254.1	27.6	2716.5	5327.5	25.5
2597.0	8820.3	32.6	2637.0	7626.9	31.1	2677.0	6250.7	27.6	2717.0	5242.7	25.4
2597.5	8819.0	32.6	2637.5	7624.8	31.1	2677.5	6251.4	27.6	2717.5	5217.9	25.4
2598.0	8819.7	32.6	2638.0	7624.8	31.1	2678.0	6250.7	27.6	2718.0	5222.0	25.3
2598.5	8820.3	32.6	2638.5	7516.6	31.1	2678.5	6250.0	27.6	2718.5	5222.7	25.2
2599.0	8818.3	32.6	2639.0	7626.9	31.1	2679.0	6250.7	27.6	2719.0	5179.9	25.2
2599.5	8818.3	32.6	2639.5	7521.4	31.1	2679.5	6251.4	27.6	2719.5	5115.8	25.1
2600.0	8818.3	32.6	2640.0	7521.4	31.1	2680.0	6250.7	27.6	2720.0	5128.9	25.0
2600.5	8822.4	32.6	2640.5	7520.7	31.0	2680.5	6250.0	27.5	2720.5	5127.5	25.0

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2721.0	5084.1	24.9	2761.0	3448.0	21.5	2801.0	2365.5	18.5	2841.0	2364.1	18.0
2721.5	5019.3	24.9	2761.5	3385.2	21.5	2801.5	2366.2	18.5	2841.5	2364.1	18.0
2722.0	5023.4	24.8	2762.0	3396.3	21.5	2802.0	2365.5	18.5	2842.0	2363.5	18.0
2722.5	5022.7	24.7	2762.5	3397.0	21.5	2802.5	2365.5	18.5	2842.5	2364.1	18.0
2723.0	4975.2	24.7	2763.0	3337.7	21.5	2803.0	2364.8	18.5	2843.0	2364.8	18.0
2723.5	4928.3	24.6	2763.5	3248.7	21.5	2803.5	2364.8	18.5	2843.5	2364.1	18.0
2724.0	4931.0	24.5	2764.0	3300.4	21.5	2804.0	2364.8	18.5	2844.0	2363.5	18.0
2724.5	4929.7	24.5	2764.5	3299.8	21.4	2804.5	2364.8	18.5	2844.5	2364.1	17.9
2725.0	4869.7	24.5	2765.0	3299.8	21.4	2805.0	2365.5	18.5	2845.0	2363.5	17.8
2725.5	4835.9	24.5	2765.5	3297.7	21.3	2805.5	2365.5	18.5	2845.5	2363.5	17.8
2726.0	4834.5	24.5	2766.0	3251.5	21.3	2806.0	2365.5	18.5	2846.0	2364.8	17.7
2726.5	4833.8	24.5	2766.5	3182.5	21.2	2806.5	2366.2	18.5	2846.5	2363.5	17.7
2727.0	4831.8	24.5	2767.0	3195.0	21.1	2807.0	2365.5	18.5	2847.0	2363.5	17.6
2727.5	4831.1	24.5	2767.5	3194.3	21.1	2807.5	2364.8	18.5	2847.5	2362.8	17.5
2728.0	4831.1	24.5	2768.0	3190.1	21.0	2808.0	2365.5	18.5	2848.0	2364.1	17.5
2728.5	4831.8	24.5	2768.5	3098.4	20.9	2808.5	2364.8	18.5	2848.5	2364.1	17.5
2729.0	4831.8	24.4	2769.0	3092.9	20.9	2809.0	2366.2	18.5	2849.0	2364.1	17.5
2729.5	4831.1	24.3	2769.5	3092.9	20.8	2809.5	2364.8	18.5	2849.5	2363.5	17.5
2730.0	4831.8	24.3	2770.0	3091.5	20.7	2810.0	2365.5	18.5	2850.0	2362.1	17.5
2730.5	4832.4	24.2	2770.5	3038.4	20.7	2810.5	2364.8	18.5	2850.5	2357.9	17.5
2731.0	4832.4	24.2	2771.0	2956.4	20.6	2811.0	2364.8	18.5	2851.0	2271.8	17.5
2731.5	4789.0	24.1	2771.5	2985.4	20.6	2811.5	2365.5	18.5	2851.5	2274.5	17.5
2732.0	4725.6	24.0	2772.0	2985.4	20.5	2812.0	2364.8	18.5	2852.0	2266.2	17.5
2732.5	4733.2	24.0	2772.5	2953.6	20.5	2812.5	2366.2	18.5	2852.5	2262.8	17.5
2733.0	4732.5	24.0	2773.0	2884.0	20.5	2813.0	2364.8	18.5	2853.0	2263.5	17.5
2733.5	4731.1	24.0	2773.5	2884.0	20.5	2813.5	2364.8	18.5	2853.5	2258.7	17.5
2734.0	4662.1	24.0	2774.0	2884.7	20.5	2814.0	2364.1	18.5	2854.0	2258.0	17.5
2734.5	4573.9	24.0	2774.5	2884.0	20.5	2814.5	2364.8	18.5	2854.5	2245.6	17.5
2735.0	4627.7	24.0	2775.0	2804.0	20.5	2815.0	2364.1	18.5	2855.0	2221.4	17.5
2735.5	4626.3	24.0	2775.5	2777.1	20.5	2815.5	2366.2	18.5	2855.5	2242.1	17.5
2736.0	4589.1	24.0	2776.0	2779.2	20.5	2816.0	2365.5	18.5	2856.0	2229.0	17.5
2736.5	4518.7	24.0	2776.5	2778.5	20.4	2816.5	2365.5	18.4	2856.5	2202.8	17.5
2737.0	4520.8	23.9	2777.0	2703.4	20.4	2817.0	2364.1	18.3	2857.0	2226.9	17.5
2737.5	4522.2	23.8	2777.5	2676.5	20.3	2817.5	2366.2	18.3	2857.5	2223.5	17.5
2738.0	4497.4	23.8	2778.0	2680.6	20.2	2818.0	2366.2	18.2	2858.0	2223.5	17.5
2738.5	4418.8	23.7	2778.5	2679.9	20.2	2818.5	2365.5	18.2	2858.5	2226.2	17.5
2739.0	4415.3	23.7	2779.0	2613.7	20.1	2819.0	2366.9	18.1	2859.0	2224.9	17.5
2739.5	4416.7	23.6	2779.5	2571.7	20.1	2819.5	2366.9	18.0	2859.5	2224.2	17.5
2740.0	4416.0	23.5	2780.0	2576.5	20.0	2820.0	2365.5	18.0	2860.0	2222.8	17.5
2740.5	4343.6	23.5	2780.5	2575.8	19.9	2820.5	2364.8	18.0	2860.5	2224.2	17.5
2741.0	4316.7	23.5	2781.0	2576.5	19.9	2821.0	2365.5	18.0	2861.0	2224.2	17.5
2741.5	4314.0	23.5	2781.5	2492.4	19.8	2821.5	2366.2	18.0	2861.5	2224.2	17.5
2742.0	4313.3	23.5	2782.0	2473.8	19.7	2822.0	2365.5	18.0	2862.0	2224.9	17.5
2742.5	4313.3	23.5	2782.5	2475.1	19.7	2822.5	2365.5	18.0	2862.5	2224.2	17.5
2743.0	4291.9	23.5	2783.0	2474.5	19.6	2823.0	2364.8	18.0	2863.0	2224.2	17.5
2743.5	4212.6	23.5	2783.5	2398.6	19.5	2823.5	2366.2	18.0	2863.5	2224.9	17.5
2744.0	4211.9	23.5	2784.0	2341.4	19.5	2824.0	2365.5	18.0	2864.0	2224.2	17.5
2744.5	4211.9	23.5	2784.5	2365.5	19.5	2824.5	2365.5	18.0	2864.5	2225.6	17.4
2745.0	4210.5	23.4	2785.0	2365.5	19.5	2825.0	2365.5	18.0	2865.0	2224.9	17.3
2745.5	4156.8	23.3	2785.5	2366.2	19.5	2825.5	2365.5	18.0	2865.5	2224.9	17.3
2746.0	4113.3	23.3	2786.0	2365.5	19.5	2826.0	2366.2	18.0	2866.0	2225.6	17.2
2746.5	4107.8	23.2	2786.5	2366.2	19.5	2826.5	2365.5	18.0	2866.5	2225.6	17.1
2747.0	4107.1	23.1	2787.0	2365.5	19.5	2827.0	2364.8	18.0	2867.0	2224.9	17.1
2747.5	4075.4	23.1	2787.5	2364.8	19.5	2827.5	2365.5	18.0	2867.5	2153.2	17.0
2748.0	4018.9	23.0	2788.0	2364.8	19.5	2828.0	2364.8	18.0	2868.0	1977.3	17.0
2748.5	3996.8	23.0	2788.5	2366.2	19.4	2828.5	2365.5	18.0	2868.5	2029.7	17.0
2749.0	4005.8	22.9	2789.0	2365.5	19.4	2829.0	2364.8	18.0	2869.0	2029.1	17.0
2749.5	4005.8	22.8	2789.5	2365.5	19.3	2829.5	2364.1	18.0	2869.5	2029.7	17.0
2750.0	3964.4	22.8	2790.0	2364.8	19.2	2830.0	2365.5	18.0	2870.0	2029.7	17.0
2750.5	3906.5	22.7	2790.5	2365.5	19.2	2830.5	2364.8	18.0	2870.5	2029.1	17.0
2751.0	3902.4	22.6	2791.0	2365.5	19.1	2831.0	2365.5	18.0	2871.0	2029.7	17.0
2751.5	3901.7	22.6	2791.5	2364.1	19.0	2831.5	2364.1	18.0	2871.5	2029.7	17.0
2752.0	3863.7	22.5	2792.0	2364.1	19.0	2832.0	2364.1	18.0	2872.0	2030.4	17.0
2752.5	3814.8	22.5	2792.5	2365.5	19.0	2832.5	2362.8	18.0	2872.5	1725.0	17.0
2753.0	3802.4	22.4	2793.0	2363.5	19.0	2833.0	2364.8	18.0	2873.0	1683.6	17.0
2753.5	3800.3	22.3	2793.5	2366.2	19.0	2833.5	2364.8	18.0	2873.5	1716.0	17.0
2754.0	3799.6	22.3	2794.0	2366.2	19.0	2834.0	2364.8	18.0	2874.0	1729.8	17.0
2754.5	3799.6	22.2	2794.5	2365.5	19.0	2834.5	2364.1	18.0	2874.5	1729.1	17.0
2755.0	3730.7	22.1	2795.0	2365.5	19.0	2835.0	2364.1	18.0	2875.0	1729.8	17.0
2755.5	3705.2	22.1	2795.5	2364.1	19.0	2835.5	2364.1	18.0	2875.5	1729.1	17.0
2756.0	3699.6	22.0	2796.0	2364.1	19.0	2836.0	2364.1	18.0	2876.0	1729.8	17.0
2756.5	3699.6	21.9	2796.5	2365.5	18.9	2836.5	2363.5	18.0	2876.5	1730.5	16.9
2757.0	3645.9	21.9	2797.0	2365.5	18.9	2837.0	2364.8	18.0	2877.0	1731.2	16.8
2757.5	3663.1	21.8	2797.5	2366.2	18.8	2837.5	2364.1	18.0	2877.5	1730.5	16.8
2758.0	3601.1	21.8	2798.0	2365.5	18.7	2838.0	2364.8	18.0	2878.0	1447.8	16.7
2758.5	3601.1	21.7	2798.5	2364.8	18.7	2838.5	2364.8	18.0	2878.5	1389.2	16.6
2759.0	3548.0	21.6	2799.0	2365.5	18.6	2839.0	2364.8	18.0	2879.0	1417.5	16.6
2759.5	3574.9	21.6	2799.5	2365.5	18.5	2839.5	2365.5	18.0	2879.5	1431.3	16.5
2760.0	3496.9	21.5	2800.0	2364.8	18.5	2840.0	2363.5	18.0	2880.0	1432.7	16.5
2760.5	3495.6	21.5	2800.5	2365.5	18.5	2840.5	2363.5	18.0	2880.5	1432.7	16.5

TEST REFERENCE#: 301215B			FILE STARTS: 20:57:00 on February 13, 1990								
LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)											
ET	P	T	ET	P	T	ET	P	T	ET	P	T
2881.0	1432.7	16.5	2921.0	117.2	13.2						
2881.5	1355.4	16.5	2921.5	117.2	13.0						
2882.0	1050.0	16.5	2922.0	117.2	12.9						
2882.5	1136.2	16.5	2922.5	117.2	12.8						
2883.0	1156.2	16.5	2923.0	117.8	12.7						
2883.5	1156.2	16.5	2923.5	118.5	12.5						
2884.0	1154.8	16.5	2924.0	118.5	12.4						
2884.5	1155.5	16.4	2924.5	119.2	12.4						
2885.0	1156.2	16.3	2925.0	117.8	12.4						
2885.5	1055.5	16.3	2925.5	117.8	12.4						
2886.0	775.6	16.2	2926.0	117.8	12.4						
2886.5	845.2	16.1	2926.5	117.8	12.4						
2887.0	863.2	16.1	2927.0	118.5	12.4						
2887.5	866.6	16.0									
2888.0	867.3	15.9									
2888.5	866.6	15.9									
2889.0	867.3	15.9									
2889.5	866.6	15.9									
2890.0	830.1	15.9									
2890.5	546.0	15.9									
2891.0	555.7	15.9									
2891.5	578.4	15.9									
2892.0	563.9	15.9									
2892.5	567.4	15.9									
2893.0	566.7	15.8									
2893.5	566.7	15.8									
2894.0	566.7	15.7									
2894.5	568.1	15.6									
2895.0	566.7	15.6									
2895.5	566.7	15.5									
2896.0	568.8	15.4									
2896.5	566.7	15.4									
2897.0	284.7	15.4									
2897.5	236.4	15.4									
2898.0	259.9	15.4									
2898.5	275.7	15.4									
2899.0	274.4	15.4									
2899.5	275.7	15.4									
2900.0	275.0	15.4									
2900.5	275.0	15.4									
2901.0	275.0	15.4									
2901.5	274.4	15.4									
2902.0	274.4	15.4									
2902.5	275.0	15.4									
2903.0	276.4	15.4									
2903.5	275.0	15.4									
2904.0	275.0	15.4									
2904.5	274.4	15.4									
2905.0	276.4	15.4									
2905.5	275.7	15.4									
2906.0	275.0	15.4									
2906.5	275.0	15.4									
2907.0	275.0	15.4									
2907.5	273.7	15.4									
2908.0	274.4	15.4									
2908.5	274.4	15.4									
2909.0	274.4	15.3									
2909.5	274.4	15.3									
2910.0	273.0	15.2									
2910.5	275.7	15.1									
2911.0	275.7	15.1									
2911.5	275.0	15.0									
2912.0	248.2	14.9									
2912.5	169.6	14.8									
2913.0	89.6	14.7									
2913.5	89.6	14.6									
2914.0	89.6	14.4									
2914.5	109.6	14.3									
2915.0	112.3	14.2									
2915.5	111.6	14.1									
2916.0	108.2	13.9									
2916.5	117.8	13.9									
2917.0	104.1	13.8									
2917.5	106.8	13.7									
2918.0	110.3	13.7									
2918.5	113.7	13.6									
2919.0	117.2	13.5									
2919.5	115.1	13.5									
2920.0	117.8	13.4									
2920.5	117.2	13.3									

Flowrate Summary and Sequence of Events

LABEL POINT #	TIME of DAY (HH:MM:SS)	EXPLANATION	DURATION (min)	BHP (kPa)	BHT (Deg C)	SURF PRESS (kPa)	FLOW RATE (m3/d)
1	22:28:00	REFERENCE TIME		163.4	55.3		
2	22:29:00	START FLOW	1.0	162.7	55.4		
3	22:38:30	START SHUT-IN	9.5	3401.1	57.6		
4	23:40:00	END SHUT-IN	61.5	3695.5	57.4		
5	23:40:30	START FLOW	0.5	3730.7	57.4		
6	1:09:30	START SHUT-IN	89.0	8477.0	58.4		
7	5:23:30	END SHUT-IN	254.0	8389.4	56.9		

Sample Data

Sample #/Source	Description	RESISTIVITY ohm @ C	Salinity PPM(NaCl)
1-			
2-			
3-			
4-			
5-			

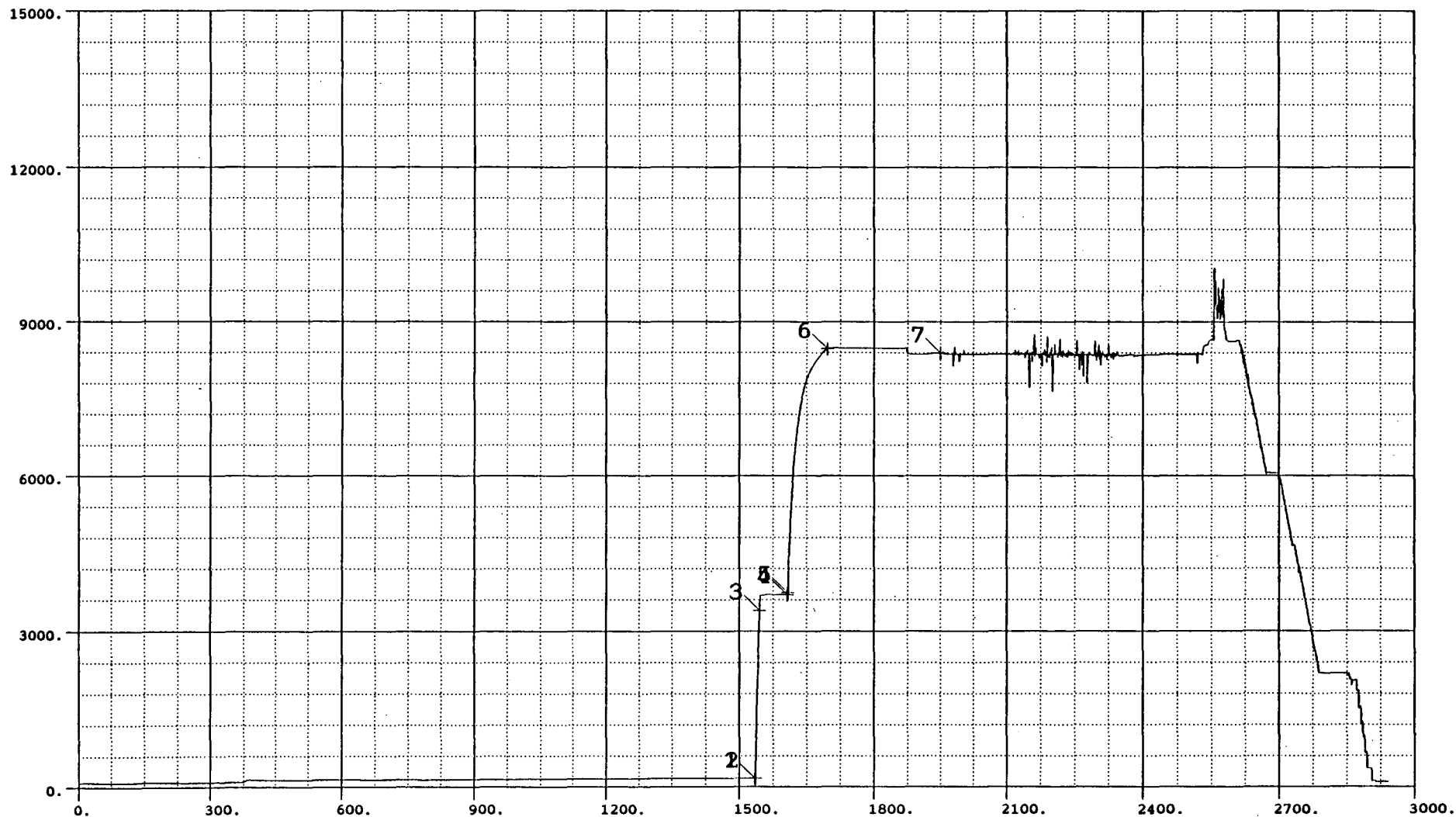
Samples Sent To: CORE LAB

BOTTOMHOLE PRESSURE PLOT

FIELD REPORT NO. : 301215BR
INSTRUMENT NO. : SM # 50094
DEPTH : 1461.57 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : INSIDE-RECOVERY

COMPANY : PETRO CANADA INC.
WELL : PCI SWEDE E-02
DST# : TWO

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]
Y-AXIS = BOTTOMHOLE PRESSURE [KPA (ABS)]

BOTTOMHOLE TEMPERATURE PLOT

FIELD REPORT NO. : 301215BR
INSTRUMENT NO. : SM # 50094
DEPTH : 1461.57 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : INSIDE-RECOVERY

COMPANY : PETRO CANADA INC.
WELL : PCI SWEDE E-02
DST# : TWO

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]
Y-AXIS = BOTTOMHOLE TEMPERATURE [CEL]

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1.0	89.6	20.5	41.0	89.6	16.4	81.0	91.6	18.7	121.0	91.6	16.2
1.5	89.6	20.6	41.5	89.6	16.5	81.5	91.6	18.7	121.5	92.3	16.1
2.0	89.6	20.7	42.0	89.6	16.5	82.0	91.6	18.7	122.0	91.6	16.0
2.5	89.6	20.8	42.5	91.6	16.6	82.5	91.0	18.7	122.5	91.6	16.0
3.0	89.6	21.0	43.0	91.6	16.6	83.0	91.0	18.7	123.0	89.6	15.9
3.5	89.6	21.1	43.5	91.6	16.7	83.5	91.0	18.7	123.5	89.6	15.8
4.0	89.6	21.2	44.0	92.3	16.8	84.0	91.6	18.7	124.0	89.6	15.8
4.5	89.6	21.1	44.5	89.6	16.8	84.5	89.6	18.7	124.5	91.6	15.7
5.0	89.6	21.0	45.0	89.6	16.9	85.0	89.6	18.6	125.0	91.6	15.7
5.5	89.6	20.8	45.5	89.6	17.0	85.5	91.6	18.6	125.5	91.6	15.6
6.0	89.6	20.7	46.0	89.6	17.0	86.0	91.6	18.5	126.0	92.3	15.5
6.5	89.6	20.6	46.5	89.6	17.1	86.5	89.6	18.4	126.5	92.3	15.5
7.0	89.6	20.5	47.0	89.6	17.1	87.0	89.6	18.4	127.0	92.3	15.4
7.5	89.6	20.4	47.5	89.6	17.2	87.5	89.6	18.3	127.5	91.6	15.4
8.0	89.6	20.2	48.0	91.0	17.3	88.0	91.0	18.3	128.0	91.6	15.3
8.5	89.6	19.9	48.5	89.6	17.3	88.5	91.0	18.2	128.5	92.3	15.2
9.0	89.6	19.5	49.0	89.6	17.4	89.0	89.6	18.1	129.0	93.7	15.2
9.5	89.6	19.1	49.5	89.6	17.5	89.5	91.0	18.1	129.5	92.3	15.1
10.0	89.6	18.7	50.0	91.6	17.5	90.0	89.6	18.0	130.0	91.6	15.0
10.5	89.6	18.4	50.5	89.6	17.6	90.5	89.6	17.9	130.5	93.0	15.0
11.0	89.6	18.0	51.0	89.6	17.6	91.0	89.6	17.9	131.0	89.6	14.9
11.5	91.0	17.6	51.5	91.0	17.7	91.5	89.6	17.8	131.5	91.6	14.9
12.0	93.0	17.3	52.0	89.6	17.8	92.0	89.6	17.8	132.0	89.6	14.8
12.5	89.6	17.1	52.5	89.6	17.8	92.5	89.6	17.7	132.5	92.3	14.7
13.0	89.6	17.0	53.0	91.0	17.8	93.0	89.6	17.6	133.0	92.3	14.7
13.5	92.3	16.9	53.5	91.6	17.8	93.5	91.0	17.6	133.5	93.7	14.6
14.0	94.4	16.8	54.0	91.0	17.8	94.0	89.6	17.5	134.0	93.0	14.6
14.5	95.1	16.6	54.5	91.0	17.8	94.5	89.6	17.5	134.5	93.0	14.5
15.0	95.8	16.5	55.0	89.6	17.8	95.0	89.6	17.4	135.0	93.0	14.4
15.5	95.8	16.4	55.5	91.0	17.8	95.5	91.0	17.3	135.5	93.7	14.4
16.0	96.5	16.3	56.0	91.6	17.8	96.0	89.6	17.3	136.0	94.4	14.3
16.5	95.1	16.2	56.5	91.6	17.8	96.5	89.6	17.1	136.5	93.7	14.3
17.0	94.4	16.2	57.0	91.6	17.9	97.0	89.6	17.0	137.0	93.0	14.3
17.5	93.0	16.1	57.5	91.0	17.9	97.5	89.6	16.9	137.5	94.4	14.3
18.0	93.7	16.0	58.0	91.0	18.0	98.0	89.6	16.8	138.0	94.4	14.3
18.5	94.4	16.0	58.5	91.0	18.1	98.5	89.6	16.6	138.5	93.0	14.3
19.0	93.7	15.9	59.0	91.0	18.1	99.0	91.6	16.5	139.0	94.4	14.3
19.5	93.7	15.8	59.5	89.6	18.2	99.5	89.6	16.4	139.5	93.0	14.3
20.0	93.0	15.8	60.0	91.0	18.3	100.0	89.6	16.3	140.0	92.3	14.3
20.5	92.3	15.8	60.5	91.0	18.3	100.5	89.6	16.3	140.5	93.0	14.2
21.0	93.0	15.8	61.0	89.6	18.4	101.0	89.6	16.3	141.0	93.7	14.2
21.5	93.7	15.8	61.5	89.6	18.4	101.5	89.6	16.3	141.5	93.0	14.1
22.0	91.6	15.8	62.0	89.6	18.5	102.0	89.6	16.3	142.0	93.7	14.1
22.5	92.3	15.8	62.5	91.0	18.6	102.5	89.6	16.3	142.5	93.0	14.0
23.0	93.0	15.8	63.0	89.6	18.6	103.0	89.6	16.3	143.0	93.7	13.9
23.5	91.6	15.8	63.5	91.0	18.7	103.5	89.6	16.3	143.5	93.7	13.9
24.0	92.3	15.8	64.0	91.6	18.7	104.0	89.6	16.3	144.0	93.0	13.8
24.5	93.0	15.8	64.5	89.6	18.7	104.5	89.6	16.2	144.5	93.7	13.7
25.0	91.6	15.8	65.0	89.6	18.7	105.0	89.6	16.2	145.0	93.0	13.7
25.5	92.3	15.8	65.5	89.6	18.7	105.5	89.6	16.1	145.5	93.0	13.6
26.0	92.3	15.8	66.0	89.6	18.7	106.0	89.6	16.0	146.0	94.4	13.6
26.5	92.3	15.8	66.5	91.6	18.7	106.5	89.6	16.0	146.5	89.6	13.5
27.0	92.3	15.8	67.0	91.0	18.7	107.0	89.6	15.9	147.0	93.0	13.4
27.5	92.3	15.8	67.5	91.0	18.7	107.5	89.6	15.8	147.5	93.7	13.4
28.0	92.3	15.8	68.0	91.0	18.7	108.0	89.6	15.8	148.0	93.7	13.3
28.5	92.3	15.8	68.5	91.0	18.7	108.5	89.6	15.8	148.5	93.7	13.4
29.0	89.6	15.8	69.0	89.6	18.7	109.0	89.6	15.8	149.0	93.0	13.4
29.5	92.3	15.8	69.5	89.6	18.7	109.5	89.6	15.8	149.5	92.3	13.5
30.0	92.3	15.8	70.0	91.0	18.7	110.0	89.6	15.8	150.0	94.4	13.6
30.5	92.3	15.8	70.5	91.0	18.7	110.5	89.6	15.8	150.5	93.0	13.6
31.0	92.3	15.8	71.0	91.0	18.7	111.0	89.6	15.8	151.0	94.4	13.7
31.5	89.6	15.8	71.5	91.6	18.7	111.5	89.6	15.8	151.5	93.7	13.7
32.0	92.3	15.8	72.0	89.6	18.7	112.0	89.6	15.8	152.0	93.7	13.8
32.5	91.6	15.8	72.5	91.0	18.8	112.5	89.6	15.8	152.5	96.5	13.8
33.0	91.6	15.8	73.0	91.0	18.9	113.0	89.6	15.8	153.0	94.4	13.8
33.5	89.6	15.8	73.5	91.6	18.9	113.5	89.6	15.8	153.5	94.4	13.8
34.0	91.6	15.8	74.0	91.6	19.0	114.0	89.6	15.8	154.0	94.4	13.8
34.5	92.3	15.8	74.5	91.0	19.1	114.5	92.3	15.8	154.5	94.4	13.8
35.0	91.6	15.8	75.0	90.3	19.1	115.0	91.6	15.8	155.0	93.7	13.8
35.5	89.6	15.8	75.5	89.6	19.2	115.5	91.6	15.8	155.5	95.1	13.8
36.0	92.3	15.8	76.0	89.6	19.2	116.0	91.6	15.8	156.0	95.1	13.8
36.5	89.6	15.8	76.5	90.3	19.2	116.5	89.6	15.8	156.5	94.4	13.9
37.0	91.6	15.9	77.0	90.3	19.1	117.0	89.6	15.9	157.0	93.7	13.9
37.5	91.6	16.0	77.5	89.6	19.1	117.5	91.6	16.0	157.5	94.4	14.0
38.0	89.6	16.0	78.0	89.6	19.0	118.0	91.6	16.0	158.0	95.1	14.1
38.5	91.6	16.1	78.5	91.0	18.9	118.5	89.6	16.1	158.5	93.7	14.1
39.0	89.6	16.2	79.0	89.6	18.9	119.0	91.6	16.2	159.0	93.0	14.2
39.5	91.6	16.2	79.5	91.6	18.8	119.5	91.6	16.2	159.5	93.7	14.2
40.0	92.3	16.3	80.0	91.6	18.7	120.0	91.6	16.3	160.0	93.0	14.3
40.5	89.6	16.3	80.5	91.6	18.7	120.5	91.6	16.2	160.5	93.7	14.3

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
161.0	93.7	14.3	201.0	92.3	15.8	241.0	89.6	16.8	281.0	93.0	16.3
161.5	93.7	14.3	201.5	93.0	15.8	241.5	89.6	16.8	281.5	93.0	16.3
162.0	93.7	14.3	202.0	92.3	15.8	242.0	89.6	16.8	282.0	92.3	16.3
162.5	94.4	14.3	202.5	93.0	15.8	242.5	89.6	16.8	282.5	91.6	16.3
163.0	93.7	14.3	203.0	92.3	15.8	243.0	91.6	16.8	283.0	93.0	16.3
163.5	95.1	14.3	203.5	93.7	15.8	243.5	89.6	16.8	283.5	91.6	16.3
164.0	93.0	14.3	204.0	93.7	15.8	244.0	89.6	16.8	284.0	92.3	16.3
164.5	93.7	14.4	204.5	93.0	15.8	244.5	89.6	16.8	284.5	93.7	16.1
165.0	93.7	14.4	205.0	93.7	15.8	245.0	91.6	16.9	285.0	92.3	15.9
165.5	93.7	14.5	205.5	95.1	15.8	245.5	89.6	17.0	285.5	93.7	15.7
166.0	94.4	14.6	206.0	93.0	15.8	246.0	89.6	17.0	286.0	93.0	15.5
166.5	93.7	14.6	206.5	93.7	15.8	246.5	89.6	17.1	286.5	93.0	15.4
167.0	93.7	14.7	207.0	93.7	15.8	247.0	89.6	17.1	287.0	89.6	15.2
167.5	93.7	14.7	207.5	93.7	15.8	247.5	89.6	17.2	287.5	89.6	15.0
168.0	93.7	14.8	208.0	93.0	15.8	248.0	89.6	17.3	288.0	89.6	14.8
168.5	92.3	14.8	208.5	92.3	15.8	248.5	91.0	17.3	288.5	89.6	14.6
169.0	93.7	14.8	209.0	92.3	15.8	249.0	89.6	17.3	289.0	93.0	14.4
169.5	95.1	14.8	209.5	93.0	15.8	249.5	89.6	17.3	289.5	94.4	14.2
170.0	93.7	14.8	210.0	92.3	15.8	250.0	89.6	17.3	290.0	93.0	14.1
170.5	93.0	14.8	210.5	91.6	15.8	250.5	91.0	17.3	290.5	93.7	13.9
171.0	93.0	14.8	211.0	91.6	15.8	251.0	91.0	17.3	291.0	93.7	13.7
171.5	93.7	14.8	211.5	93.0	15.8	251.5	91.6	17.3	291.5	93.7	13.5
172.0	95.1	14.8	212.0	93.7	15.8	252.0	93.0	17.3	292.0	93.0	13.3
172.5	93.7	14.9	212.5	91.6	15.8	252.5	93.0	17.3	292.5	93.7	13.3
173.0	93.0	14.9	213.0	92.3	15.8	253.0	93.0	17.3	293.0	94.4	13.2
173.5	93.0	15.0	213.5	93.0	15.8	253.5	93.0	17.3	293.5	93.0	13.1
174.0	93.0	15.0	214.0	92.3	15.8	254.0	91.0	17.3	294.0	92.3	13.1
174.5	93.7	15.1	214.5	92.3	15.8	254.5	91.6	17.3	294.5	89.6	13.0
175.0	92.3	15.2	215.0	92.3	15.8	255.0	91.6	17.3	295.0	89.6	12.9
175.5	93.7	15.2	215.5	92.3	15.8	255.5	91.0	17.3	295.5	92.3	12.9
176.0	93.7	15.3	216.0	91.6	15.8	256.0	93.0	17.3	296.0	89.6	12.8
176.5	93.7	15.3	216.5	91.6	15.8	256.5	93.0	17.3	296.5	93.7	12.7
177.0	93.7	15.3	217.0	92.3	15.8	257.0	91.6	17.3	297.0	93.7	12.6
177.5	94.4	15.3	217.5	89.6	15.8	257.5	91.6	17.3	297.5	94.4	12.5
178.0	93.7	15.3	218.0	91.6	15.8	258.0	91.6	17.3	298.0	93.0	12.3
178.5	94.4	15.3	218.5	92.3	15.8	258.5	91.0	17.3	298.5	89.6	12.2
179.0	93.7	15.3	219.0	89.6	15.8	259.0	91.0	17.3	299.0	89.6	12.1
179.5	93.7	15.3	219.5	92.3	15.8	259.5	91.0	17.3	299.5	89.6	12.0
180.0	91.6	15.3	220.0	91.6	15.8	260.0	91.0	17.3	300.0	93.0	11.8
180.5	92.3	15.3	220.5	91.6	15.8	260.5	91.0	17.3	300.5	89.6	11.7
181.0	93.7	15.3	221.0	91.6	15.8	261.0	91.6	17.3	301.0	89.6	11.6
181.5	93.7	15.3	221.5	91.6	15.8	261.5	93.7	17.3	301.5	89.6	11.5
182.0	92.3	15.3	222.0	93.0	15.8	262.0	91.6	17.3	302.0	93.0	11.3
182.5	93.7	15.3	222.5	93.0	15.8	262.5	93.0	17.3	302.5	93.0	11.2
183.0	94.4	15.3	223.0	92.3	15.8	263.0	93.7	17.3	303.0	89.6	11.1
183.5	95.1	15.3	223.5	92.3	15.8	263.5	93.7	17.3	303.5	93.7	11.0
184.0	93.7	15.3	224.0	92.3	15.8	264.0	93.0	17.3	304.0	93.7	10.8
184.5	93.0	15.4	224.5	91.6	15.8	264.5	93.7	17.3	304.5	95.1	10.7
185.0	94.4	15.4	225.0	93.0	15.9	265.0	93.0	17.3	305.0	94.4	10.6
185.5	92.3	15.5	225.5	93.0	16.0	265.5	91.6	17.3	305.5	89.6	10.5
186.0	93.0	15.5	226.0	94.4	16.0	266.0	91.6	17.3	306.0	93.7	10.4
186.5	91.6	15.6	226.5	93.0	16.1	266.5	91.0	17.3	306.5	89.6	10.2
187.0	93.0	15.7	227.0	93.0	16.2	267.0	91.0	17.3	307.0	93.7	10.1
187.5	92.3	15.7	227.5	93.0	16.2	267.5	91.0	17.3	307.5	93.7	10.0
188.0	93.7	15.8	228.0	89.6	16.3	268.0	91.0	17.3	308.0	89.6	9.9
188.5	93.7	15.8	228.5	91.6	16.3	268.5	92.3	17.2	308.5	89.6	9.8
189.0	93.7	15.8	229.0	91.6	16.3	269.0	91.0	17.1	309.0	94.4	9.7
189.5	95.1	15.8	229.5	91.6	16.3	269.5	92.3	17.1	309.5	95.1	9.7
190.0	93.0	15.8	230.0	91.6	16.3	270.0	92.3	17.0	310.0	94.4	9.6
190.5	93.7	15.8	230.5	91.6	16.3	270.5	93.0	17.0	310.5	95.1	9.6
191.0	93.7	15.8	231.0	91.6	16.3	271.0	93.0	16.9	311.0	96.5	9.5
191.5	93.0	15.8	231.5	91.6	16.3	271.5	91.6	16.8	311.5	94.4	9.4
192.0	93.7	15.8	232.0	91.6	16.3	272.0	92.3	16.8	312.0	95.8	9.4
192.5	93.7	15.8	232.5	89.6	16.3	272.5	92.3	16.8	312.5	95.8	9.4
193.0	93.0	15.9	233.0	91.6	16.4	273.0	92.3	16.8	313.0	94.4	9.5
193.5	93.7	16.0	233.5	89.6	16.5	273.5	92.3	16.8	313.5	95.8	9.6
194.0	93.0	16.0	234.0	89.6	16.5	274.0	92.3	16.8	314.0	95.8	9.6
194.5	94.4	16.1	234.5	91.6	16.6	274.5	92.3	16.8	314.5	95.1	9.7
195.0	92.3	16.2	235.0	91.6	16.6	275.0	89.6	16.8	315.0	93.7	9.7
195.5	93.0	16.2	235.5	91.6	16.7	275.5	89.6	16.8	315.5	96.5	9.8
196.0	93.0	16.3	236.0	89.6	16.8	276.0	89.6	16.8	316.0	95.1	9.9
196.5	93.0	16.2	236.5	91.6	16.8	276.5	89.6	16.7	316.5	95.1	10.0
197.0	92.3	16.2	237.0	89.6	16.8	277.0	89.6	16.6	317.0	93.7	10.1
197.5	92.3	16.1	237.5	91.6	16.8	277.5	92.3	16.6	317.5	95.1	10.2
198.0	91.6	16.0	238.0	89.6	16.8	278.0	92.3	16.5	318.0	95.1	10.4
198.5	92.3	16.0	238.5	89.6	16.8	278.5	92.3	16.5	318.5	95.1	10.5
199.0	91.6	15.9	239.0	89.6	16.8	279.0	93.0	16.4	319.0	95.1	10.6
199.5	92.3	15.8	239.5	89.6	16.8	279.5	93.0	16.3	319.5	96.5	10.7
200.0	92.3	15.8	240.0	89.6	16.8	280.0	93.0	16.3	320.0	95.1	10.8
200.5	91.6	15.8	240.5	89.6	16.8	280.5	92.3	16.3	320.5	95.1	11.0

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
321.0	93.7	11.2	361.0	93.0	19.2	401.0	145.4	20.7	441.0	137.2	20.2
321.5	93.7	11.4	361.5	93.0	19.2	401.5	142.7	20.7	441.5	135.8	20.2
322.0	93.0	11.6	362.0	92.3	19.2	402.0	143.4	20.7	442.0	136.5	20.2
322.5	89.6	11.8	362.5	92.3	19.2	402.5	143.4	20.7	442.5	136.5	20.2
323.0	93.0	12.0	363.0	93.0	19.2	403.0	143.4	20.7	443.0	137.2	20.2
323.5	93.7	12.1	363.5	93.7	19.2	403.5	143.4	20.7	443.5	137.2	20.2
324.0	93.0	12.3	364.0	92.3	19.2	404.0	142.0	20.7	444.0	137.2	20.2
324.5	93.0	12.5	364.5	93.7	19.3	404.5	142.0	20.7	444.5	137.8	20.2
325.0	93.0	12.6	365.0	93.0	19.4	405.0	140.6	20.7	445.0	137.2	20.2
325.5	93.7	12.7	365.5	92.3	19.4	405.5	142.0	20.7	445.5	136.5	20.2
326.0	89.6	12.8	366.0	92.3	19.5	406.0	142.0	20.7	446.0	137.2	20.2
326.5	92.3	12.9	366.5	93.7	19.6	406.5	140.6	20.7	446.5	136.5	20.2
327.0	92.3	13.1	367.0	93.7	19.6	407.0	140.6	20.7	447.0	137.2	20.2
327.5	93.0	13.2	367.5	94.4	19.7	407.5	139.9	20.7	447.5	137.2	20.2
328.0	93.0	13.3	368.0	93.7	19.7	408.0	140.6	20.7	448.0	137.8	20.2
328.5	93.0	13.5	368.5	93.7	19.7	408.5	139.2	20.7	448.5	137.8	20.2
329.0	93.7	13.7	369.0	93.0	19.7	409.0	138.5	20.7	449.0	137.8	20.2
329.5	93.0	13.9	369.5	94.4	19.7	409.5	142.0	20.7	449.5	137.8	20.2
330.0	89.6	14.1	370.0	94.4	19.7	410.0	140.6	20.7	450.0	137.8	20.2
330.5	92.3	14.2	370.5	93.7	19.7	410.5	139.9	20.7	450.5	137.8	20.2
331.0	92.3	14.4	371.0	93.0	19.7	411.0	142.0	20.7	451.0	137.2	20.2
331.5	92.3	14.6	371.5	93.7	19.7	411.5	140.6	20.7	451.5	137.2	20.2
332.0	93.7	14.8	372.0	93.7	19.7	412.0	140.6	20.7	452.0	136.5	20.2
332.5	91.6	14.9	372.5	94.4	19.8	412.5	139.2	20.7	452.5	136.5	20.2
333.0	91.6	15.0	373.0	92.3	19.9	413.0	138.5	20.7	453.0	137.8	20.2
333.5	93.7	15.2	373.5	94.4	19.9	413.5	139.2	20.7	453.5	137.2	20.2
334.0	93.7	15.3	374.0	94.4	20.0	414.0	139.2	20.7	454.0	137.2	20.2
334.5	89.6	15.4	374.5	94.4	20.0	414.5	139.9	20.7	454.5	137.2	20.2
335.0	92.3	15.5	375.0	93.0	20.1	415.0	139.9	20.7	455.0	137.2	20.2
335.5	89.6	15.7	375.5	95.8	20.2	415.5	140.6	20.7	455.5	137.8	20.2
336.0	92.3	15.8	376.0	109.6	20.2	416.0	142.0	20.7	456.0	137.8	20.2
336.5	92.3	15.8	376.5	111.0	20.2	416.5	140.6	20.7	456.5	137.8	20.2
337.0	93.0	15.9	377.0	112.3	20.2	417.0	142.0	20.7	457.0	137.2	20.2
337.5	92.3	16.0	377.5	112.3	20.2	417.5	140.6	20.7	457.5	137.8	20.2
338.0	91.6	16.0	378.0	112.3	20.2	418.0	142.0	20.7	458.0	138.5	20.2
338.5	93.0	16.1	378.5	112.3	20.2	418.5	142.0	20.7	458.5	137.2	20.2
339.0	93.7	16.2	379.0	114.4	20.2	419.0	142.7	20.7	459.0	137.8	20.2
339.5	93.0	16.2	379.5	113.0	20.2	419.5	142.7	20.7	459.5	137.8	20.2
340.0	93.0	16.3	380.0	122.7	20.2	420.0	137.8	20.7	460.0	137.8	20.2
340.5	91.6	16.4	380.5	135.8	20.2	420.5	138.5	20.7	460.5	137.2	20.2
341.0	92.3	16.5	381.0	139.2	20.2	421.0	137.8	20.7	461.0	137.2	20.2
341.5	92.3	16.6	381.5	141.3	20.2	421.5	137.8	20.7	461.5	137.2	20.2
342.0	93.7	16.8	382.0	142.7	20.2	422.0	137.2	20.7	462.0	137.2	20.2
342.5	93.7	16.9	382.5	144.7	20.2	422.5	137.2	20.7	462.5	138.5	20.2
343.0	93.0	17.0	383.0	144.0	20.2	423.0	137.8	20.7	463.0	138.5	20.2
343.5	92.3	17.1	383.5	144.7	20.2	423.5	137.8	20.7	463.5	137.8	20.2
344.0	93.0	17.3	384.0	145.4	20.2	424.0	136.5	20.7	464.0	139.2	20.2
344.5	93.0	17.3	384.5	145.4	20.2	424.5	137.2	20.7	464.5	137.8	20.2
345.0	93.0	17.4	385.0	145.4	20.2	425.0	137.2	20.7	465.0	137.8	20.2
345.5	93.0	17.5	385.5	145.4	20.2	425.5	136.5	20.7	465.5	137.8	20.2
346.0	92.3	17.5	386.0	145.4	20.2	426.0	136.5	20.7	466.0	138.5	20.2
346.5	92.3	17.6	386.5	145.4	20.2	426.5	135.8	20.7	466.5	137.8	20.2
347.0	92.3	17.6	387.0	145.4	20.2	427.0	136.5	20.7	467.0	137.8	20.2
347.5	93.7	17.7	387.5	144.7	20.2	427.5	136.5	20.7	467.5	138.5	20.2
348.0	93.0	17.8	388.0	145.4	20.2	428.0	137.2	20.7	468.0	137.2	20.2
348.5	94.4	17.8	388.5	144.7	20.3	428.5	136.5	20.7	468.5	137.8	20.2
349.0	94.4	17.9	389.0	145.4	20.4	429.0	136.5	20.6	469.0	137.8	20.2
349.5	93.0	17.9	389.5	144.7	20.4	429.5	137.2	20.5	469.5	138.5	20.2
350.0	93.7	18.0	390.0	145.4	20.5	430.0	136.5	20.5	470.0	137.8	20.2
350.5	93.7	18.1	390.5	144.7	20.5	430.5	137.2	20.4	470.5	138.5	20.2
351.0	92.3	18.1	391.0	146.1	20.6	431.0	137.8	20.4	471.0	138.5	20.2
351.5	95.1	18.2	391.5	145.4	20.7	431.5	136.5	20.3	471.5	137.8	20.2
352.0	93.0	18.3	392.0	146.1	20.7	432.0	136.5	20.2	472.0	137.8	20.2
352.5	93.7	18.3	392.5	145.4	20.7	432.5	137.2	20.2	472.5	137.8	20.2
353.0	93.0	18.4	393.0	143.4	20.7	433.0	136.5	20.2	473.0	137.2	20.2
353.5	93.0	18.4	393.5	143.4	20.7	433.5	137.2	20.2	473.5	137.2	20.2
354.0	93.0	18.5	394.0	144.0	20.7	434.0	136.5	20.2	474.0	136.5	20.2
354.5	92.3	18.6	394.5	144.0	20.7	434.5	135.8	20.2	474.5	137.2	20.2
355.0	93.7	18.6	395.0	143.4	20.7	435.0	135.8	20.2	475.0	137.8	20.2
355.5	91.6	18.7	395.5	144.0	20.7	435.5	135.8	20.2	475.5	137.2	20.2
356.0	92.3	18.7	396.0	143.4	20.7	436.0	135.8	20.2	476.0	137.2	20.2
356.5	93.0	18.8	396.5	144.0	20.7	436.5	135.8	20.2	476.5	138.5	20.2
357.0	93.0	18.9	397.0	144.7	20.7	437.0	137.2	20.2	477.0	137.8	20.2
357.5	93.0	18.9	397.5	143.4	20.7	437.5	136.5	20.2	477.5	137.8	20.2
358.0	93.7	19.0	398.0	142.7	20.7	438.0	136.5	20.2	478.0	137.2	20.2
358.5	93.7	19.1	398.5	143.4	20.7	438.5	136.5	20.2	478.5	137.8	20.2
359.0	92.3	19.1	399.0	143.4	20.7	439.0	135.1	20.2	479.0	137.8	20.2
359.5	93.7	19.2	399.5	142.7	20.7	439.5	136.5	20.2	479.5	136.5	20.2
360.0	93.7	19.2	400.0	142.7	20.7	440.0	136.5	20.2	480.0	137.8	20.2
360.5	92.3	19.2	400.5	143.4	20.7	440.5	136.5	20.2	480.5	137.2	20.2

ET	P	T	ET	P	T	ET	P	T	ET	P	T
481.0	137.2	20.2	521.0	137.8	20.2	561.0	141.3	20.2	601.0	141.3	20.2
481.5	138.5	20.2	521.5	138.5	20.2	561.5	140.6	20.2	601.5	141.3	20.2
482.0	137.2	20.2	522.0	137.8	20.2	562.0	141.3	20.2	602.0	141.3	20.2
482.5	137.8	20.2	522.5	137.8	20.2	562.5	142.0	20.2	602.5	142.0	20.2
483.0	137.8	20.2	523.0	137.8	20.2	563.0	141.3	20.2	603.0	142.0	20.2
483.5	137.8	20.2	523.5	137.2	20.2	563.5	141.3	20.2	603.5	142.0	20.2
484.0	137.8	20.2	524.0	138.5	20.2	564.0	141.3	20.2	604.0	142.0	20.2
484.5	138.5	20.2	524.5	138.5	20.2	564.5	140.6	20.2	604.5	141.3	20.2
485.0	137.8	20.2	525.0	138.5	20.2	565.0	141.3	20.2	605.0	141.3	20.2
485.5	137.2	20.2	525.5	137.8	20.2	565.5	142.0	20.2	605.5	141.3	20.2
486.0	137.2	20.2	526.0	137.8	20.2	566.0	141.3	20.2	606.0	141.3	20.2
486.5	136.5	20.2	526.5	138.5	20.2	566.5	139.2	20.2	606.5	141.3	20.2
487.0	137.2	20.2	527.0	138.5	20.2	567.0	141.3	20.2	607.0	142.7	20.2
487.5	137.2	20.2	527.5	138.5	20.2	567.5	141.3	20.2	607.5	142.0	20.2
488.0	137.2	20.2	528.0	137.2	20.2	568.0	140.6	20.2	608.0	142.7	20.2
488.5	136.5	20.2	528.5	138.5	20.2	568.5	142.0	20.2	608.5	141.3	20.2
489.0	136.5	20.2	529.0	138.5	20.2	569.0	142.0	20.2	609.0	142.0	20.1
489.5	137.2	20.2	529.5	138.5	20.2	569.5	141.3	20.2	609.5	142.0	20.0
490.0	135.8	20.2	530.0	138.5	20.2	570.0	141.3	20.2	610.0	142.0	20.0
490.5	135.8	20.2	530.5	138.5	20.2	570.5	141.3	20.2	610.5	142.0	19.9
491.0	136.5	20.2	531.0	137.8	20.2	571.0	141.3	20.2	611.0	142.7	19.9
491.5	136.5	20.2	531.5	138.5	20.2	571.5	142.0	20.2	611.5	142.7	19.8
492.0	136.5	20.2	532.0	138.5	20.2	572.0	142.0	20.2	612.0	141.3	19.7
492.5	136.5	20.2	532.5	139.2	20.2	572.5	141.3	20.2	612.5	141.3	19.7
493.0	136.5	20.2	533.0	138.5	20.2	573.0	141.3	20.2	613.0	141.3	19.7
493.5	135.8	20.2	533.5	138.5	20.2	573.5	142.0	20.2	613.5	141.3	19.7
494.0	135.8	20.2	534.0	138.5	20.2	574.0	142.0	20.2	614.0	142.0	19.7
494.5	135.8	20.2	534.5	138.5	20.2	574.5	142.0	20.2	614.5	142.0	19.7
495.0	135.8	20.2	535.0	139.2	20.2	575.0	141.3	20.2	615.0	142.7	19.7
495.5	136.5	20.2	535.5	140.6	20.2	575.5	141.3	20.2	615.5	142.0	19.7
496.0	136.5	20.2	536.0	141.3	20.2	576.0	142.0	20.2	616.0	142.7	19.7
496.5	136.5	20.2	536.5	138.5	20.2	576.5	141.3	20.2	616.5	142.0	19.7
497.0	135.8	20.2	537.0	140.6	20.2	577.0	142.0	20.2	617.0	141.3	19.7
497.5	135.8	20.2	537.5	139.2	20.2	577.5	142.0	20.2	617.5	142.7	19.7
498.0	135.1	20.2	538.0	140.6	20.2	578.0	142.7	20.2	618.0	140.6	19.7
498.5	135.1	20.2	538.5	137.8	20.2	578.5	142.0	20.2	618.5	142.0	19.7
499.0	135.8	20.2	539.0	139.2	20.2	579.0	142.0	20.2	619.0	142.7	19.7
499.5	135.8	20.2	539.5	139.2	20.2	579.5	142.0	20.2	619.5	142.0	19.7
500.0	135.8	20.2	540.0	138.5	20.2	580.0	142.7	20.2	620.0	142.7	19.7
500.5	135.8	20.2	540.5	139.2	20.2	580.5	141.3	20.2	620.5	141.3	19.7
501.0	135.8	20.2	541.0	139.2	20.2	581.0	142.7	20.2	621.0	141.3	19.7
501.5	135.1	20.2	541.5	139.2	20.2	581.5	141.3	20.2	621.5	141.3	19.7
502.0	136.5	20.2	542.0	140.6	20.2	582.0	142.0	20.2	622.0	142.0	19.7
502.5	135.1	20.2	542.5	139.2	20.2	582.5	141.3	20.2	622.5	141.3	19.7
503.0	135.8	20.2	543.0	140.6	20.2	583.0	142.0	20.2	623.0	142.7	19.7
503.5	136.5	20.2	543.5	141.3	20.2	583.5	140.6	20.2	623.5	142.0	19.7
504.0	135.8	20.2	544.0	140.6	20.2	584.0	142.0	20.2	624.0	142.0	19.7
504.5	136.5	20.2	544.5	139.2	20.2	584.5	142.7	20.2	624.5	142.7	19.7
505.0	136.5	20.2	545.0	139.2	20.2	585.0	142.0	20.2	625.0	142.7	19.7
505.5	136.5	20.2	545.5	140.6	20.2	585.5	142.0	20.2	625.5	142.0	19.7
506.0	137.2	20.2	546.0	139.2	20.2	586.0	141.3	20.2	626.0	142.0	19.7
506.5	136.5	20.2	546.5	139.2	20.2	586.5	142.0	20.2	626.5	142.7	19.7
507.0	137.2	20.2	547.0	140.6	20.2	587.0	141.3	20.2	627.0	142.0	19.7
507.5	135.8	20.2	547.5	140.6	20.2	587.5	142.0	20.2	627.5	142.0	19.7
508.0	137.2	20.2	548.0	139.2	20.2	588.0	142.7	20.2	628.0	142.7	19.7
508.5	137.2	20.2	548.5	140.6	20.2	588.5	141.3	20.2	628.5	141.3	19.7
509.0	137.2	20.2	549.0	141.3	20.2	589.0	141.3	20.2	629.0	142.7	19.7
509.5	137.2	20.2	549.5	140.6	20.2	589.5	142.0	20.2	629.5	142.0	19.7
510.0	137.2	20.2	550.0	140.6	20.2	590.0	140.6	20.2	630.0	141.3	19.7
510.5	137.2	20.2	550.5	140.6	20.2	590.5	141.3	20.2	630.5	141.3	19.7
511.0	137.2	20.2	551.0	140.6	20.2	591.0	141.3	20.2	631.0	142.0	19.7
511.5	136.5	20.2	551.5	140.6	20.2	591.5	141.3	20.2	631.5	141.3	19.7
512.0	137.2	20.2	552.0	141.3	20.2	592.0	140.6	20.2	632.0	142.0	19.7
512.5	137.8	20.2	552.5	139.2	20.2	592.5	142.7	20.2	632.5	142.0	19.7
513.0	137.2	20.2	553.0	140.6	20.2	593.0	142.7	20.2	633.0	142.0	19.7
513.5	137.2	20.2	553.5	140.6	20.2	593.5	140.6	20.2	633.5	142.7	19.7
514.0	137.2	20.2	554.0	139.2	20.2	594.0	141.3	20.2	634.0	142.0	19.7
514.5	136.5	20.2	554.5	141.3	20.2	594.5	141.3	20.2	634.5	141.3	19.7
515.0	137.2	20.2	555.0	140.6	20.2	595.0	140.6	20.2	635.0	142.0	19.7
515.5	136.5	20.2	555.5	141.3	20.2	595.5	140.6	20.2	635.5	142.0	19.7
516.0	138.5	20.2	556.0	140.6	20.2	596.0	140.6	20.2	636.0	142.7	19.7
516.5	137.8	20.2	556.5	139.2	20.2	596.5	142.0	20.2	636.5	142.0	19.7
517.0	137.8	20.2	557.0	141.3	20.2	597.0	141.3	20.2	637.0	142.0	19.7
517.5	137.8	20.2	557.5	141.3	20.2	597.5	141.3	20.2	637.5	142.7	19.7
518.0	137.8	20.2	558.0	140.6	20.2	598.0	142.0	20.2	638.0	142.0	19.7
518.5	137.2	20.2	558.5	141.3	20.2	598.5	142.7	20.2	638.5	142.0	19.7
519.0	137.8	20.2	559.0	139.2	20.2	599.0	142.0	20.2	639.0	142.7	19.7
519.5	137.2	20.2	559.5	140.6	20.2	599.5	141.3	20.2	639.5	142.7	19.7
520.0	137.8	20.2	560.0	141.3	20.2	600.0	142.7	20.2	640.0	142.0	19.7
520.5	138.5	20.2	560.5	140.6	20.2	600.5	142.0	20.2	640.5	142.0	19.7

FILE STARTS: 20:53:30 on February 13, 1990

ET	P	T	ET	P	T	ET	P	T
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ET	P	T	ET	P	T	ET	P	T	ET	P	T
641.0	142.0	19.7	681.0	140.6	19.7	721.0	142.7	20.2	761.0	142.0	21.8
641.5	141.3	19.7	681.5	139.2	19.7	721.5	142.7	20.2	761.5	143.4	21.9
642.0	141.3	19.7	682.0	140.6	19.7	722.0	142.0	20.2	762.0	141.3	22.0
642.5	147.5	19.7	682.5	139.9	19.7	722.5	142.0	20.2	762.5	141.3	22.0
643.0	139.9	19.7	683.0	140.6	19.7	723.0	142.0	20.2	763.0	141.3	22.1
643.5	139.2	19.7	683.5	139.9	19.7	723.5	142.0	20.2	763.5	142.0	22.1
644.0	139.2	19.7	684.0	139.9	19.7	724.0	142.7	20.2	764.0	141.3	22.2
644.5	140.6	19.7	684.5	140.6	19.7	724.5	141.3	20.2	764.5	142.0	22.2
645.0	140.6	19.7	685.0	139.9	19.7	725.0	141.3	20.2	765.0	144.0	22.2
645.5	139.2	19.7	685.5	139.9	19.7	725.5	142.7	20.2	765.5	142.0	22.2
646.0	139.2	19.7	686.0	139.2	19.7	726.0	142.0	20.2	766.0	140.6	22.2
646.5	136.5	19.7	686.5	139.2	19.7	726.5	142.7	20.2	766.5	142.0	22.2
647.0	139.2	19.7	687.0	139.9	19.7	727.0	141.3	20.2	767.0	142.0	22.2
647.5	139.2	19.7	687.5	140.6	19.7	727.5	142.7	20.2	767.5	141.3	22.2
648.0	139.9	19.7	688.0	139.9	19.7	728.0	144.7	20.2	768.0	140.6	22.2
648.5	139.2	19.7	688.5	139.2	19.7	728.5	142.7	20.3	768.5	141.3	22.3
649.0	139.9	19.7	689.0	139.9	19.7	729.0	142.0	20.4	769.0	141.3	22.3
649.5	140.6	19.7	689.5	142.7	19.7	729.5	142.7	20.4	769.5	142.7	22.4
650.0	139.9	19.7	690.0	140.6	19.7	730.0	142.0	20.5	770.0	141.3	22.5
650.5	137.8	19.7	690.5	139.9	19.7	730.5	143.4	20.5	770.5	142.0	22.5
651.0	139.2	19.7	691.0	139.2	19.7	731.0	142.0	20.6	771.0	142.7	22.6
651.5	139.2	19.7	691.5	139.9	19.7	731.5	142.0	20.7	771.5	140.6	22.6
652.0	136.5	19.7	692.0	140.6	19.7	732.0	142.7	20.7	772.0	142.0	22.7
652.5	139.2	19.7	692.5	140.6	19.7	732.5	140.6	20.7	772.5	142.7	22.7
653.0	140.6	19.7	693.0	139.9	19.7	733.0	143.4	20.7	773.0	139.9	22.7
653.5	139.2	19.7	693.5	141.3	19.7	733.5	142.0	20.7	773.5	142.0	22.7
654.0	139.2	19.7	694.0	139.9	19.7	734.0	140.6	20.7	774.0	139.9	22.7
654.5	139.2	19.7	694.5	140.6	19.7	734.5	142.7	20.7	774.5	141.3	22.7
655.0	139.9	19.7	695.0	140.6	19.7	735.0	138.5	20.7	775.0	141.3	22.7
655.5	139.2	19.7	695.5	140.6	19.7	735.5	142.7	20.7	775.5	141.3	22.7
656.0	140.6	19.7	696.0	139.2	19.7	736.0	142.0	20.7	776.0	142.7	22.7
656.5	139.9	19.7	696.5	143.4	19.7	736.5	142.7	20.7	776.5	142.0	22.8
657.0	139.2	19.7	697.0	139.9	19.7	737.0	140.6	20.7	777.0	141.3	22.8
657.5	139.9	19.7	697.5	140.6	19.7	737.5	142.0	20.7	777.5	140.6	22.9
658.0	137.8	19.7	698.0	139.9	19.7	738.0	142.0	20.7	778.0	139.2	22.9
658.5	139.9	19.7	698.5	139.9	19.7	738.5	140.6	20.7	778.5	140.6	23.0
659.0	139.9	19.7	699.0	140.6	19.7	739.0	142.7	20.7	779.0	139.2	23.1
659.5	140.6	19.7	699.5	139.9	19.7	739.5	142.0	20.7	779.5	138.5	23.1
660.0	141.3	19.7	700.0	139.9	19.7	740.0	142.7	20.7	780.0	139.2	23.2
660.5	139.2	19.7	700.5	144.7	19.7	740.5	140.6	20.7	780.5	138.5	23.2
661.0	139.9	19.7	701.0	141.3	19.7	741.0	142.7	20.7	781.0	139.2	23.2
661.5	139.9	19.7	701.5	140.6	19.7	741.5	139.9	20.7	781.5	138.5	23.2
662.0	139.2	19.7	702.0	139.9	19.7	742.0	143.4	20.7	782.0	139.2	23.2
662.5	139.9	19.7	702.5	140.6	19.7	742.5	140.6	20.7	782.5	139.2	23.2
663.0	137.8	19.7	703.0	140.6	19.7	743.0	142.0	20.7	783.0	138.5	23.2
663.5	139.9	19.7	703.5	142.0	19.7	743.5	140.6	20.7	783.5	138.5	23.2
664.0	139.9	19.7	704.0	140.6	19.7	744.0	142.0	20.7	784.0	138.5	23.2
664.5	142.0	19.7	704.5	141.3	19.7	744.5	139.9	20.8	784.5	139.9	23.2
665.0	139.9	19.7	705.0	140.6	19.7	745.0	140.6	20.8	785.0	139.9	23.2
665.5	137.8	19.7	705.5	140.6	19.7	745.5	141.3	20.9	785.5	139.9	23.2
666.0	139.9	19.7	706.0	141.3	19.7	746.0	142.7	21.0	786.0	138.5	23.2
666.5	139.2	19.7	706.5	140.6	19.7	746.5	142.0	21.0	786.5	139.9	23.2
667.0	139.9	19.7	707.0	142.0	19.7	747.0	142.0	21.1	787.0	139.9	23.2
667.5	139.2	19.7	707.5	140.6	19.7	747.5	142.0	21.2	787.5	139.2	23.2
668.0	139.2	19.7	708.0	139.9	19.7	748.0	143.4	21.2	788.0	138.5	23.2
668.5	140.6	19.7	708.5	140.6	19.7	748.5	141.3	21.2	788.5	139.2	23.3
669.0	139.2	19.7	709.0	141.3	19.7	749.0	141.3	21.2	789.0	139.2	23.3
669.5	139.9	19.7	709.5	141.3	19.7	749.5	141.3	21.2	789.5	139.2	23.4
670.0	140.6	19.7	710.0	140.6	19.7	750.0	141.3	21.2	790.0	138.5	23.4
670.5	139.9	19.7	710.5	137.8	19.7	750.5	141.3	21.2	790.5	139.2	23.5
671.0	139.2	19.7	711.0	141.3	19.7	751.0	141.3	21.2	791.0	138.5	23.6
671.5	139.9	19.7	711.5	141.3	19.7	751.5	141.3	21.2	791.5	140.6	23.6
672.0	139.9	19.7	712.0	142.0	19.7	752.0	142.0	21.2	792.0	140.6	23.7
672.5	139.2	19.7	712.5	141.3	19.8	752.5	140.6	21.3	792.5	139.2	23.7
673.0	139.2	19.7	713.0	141.3	19.9	753.0	141.3	21.3	793.0	139.2	23.7
673.5	139.2	19.7	713.5	141.3	19.9	753.5	142.0	21.4	793.5	139.9	23.7
674.0	139.9	19.7	714.0	141.3	20.0	754.0	142.7	21.5	794.0	139.2	23.7
674.5	139.9	19.7	714.5	140.6	20.0	754.5	141.3	21.5	794.5	139.9	23.7
675.0	139.2	19.7	715.0	142.7	20.1	755.0	142.0	21.6	795.0	140.6	23.7
675.5	140.6	19.7	715.5	141.3	20.2	755.5	141.3	21.6	795.5	139.2	23.7
676.0	139.9	19.7	716.0	142.7	20.2	756.0	142.0	21.7	796.0	139.9	23.7
676.5	139.2	19.7	716.5	141.3	20.2	756.5	142.0	21.7	796.5	139.9	23.7
677.0	139.2	19.7	717.0	141.3	20.2	757.0	141.3	21.7	797.0	139.2	23.8
677.5	140.6	19.7	717.5	142.0	20.2	757.5	141.3	21.7	797.5	139.9	23.9
678.0	139.9	19.7	718.0	142.0	20.2	758.0	141.3	21.7	798.0	134.4	23.9
678.5	139.2	19.7	718.5	142.0	20.2	758.5	143.4	21.7	798.5	138.5	24.0
679.0	139.9	19.7	719.0	141.3	20.2	759.0	142.0	21.7	799.0	139.9	24.1
679.5	139.9	19.7	719.5	142.7	20.2	759.5	142.0	21.7	799.5	139.9	24.1
680.0	137.8	19.7	720.0	142.0	20.2	760.0	140.6	21.7	800.0	139.9	24.2
680.5	139.9	19.7	720.5	143.4	20.2	760.5	141.3	21.8	800.5	139.2	24.2

ET	P	T	ET	P	T	ET	P	T	ET	P	T
801.0	139.2	24.2	841.0	139.9	26.7	881.0	142.7	27.8	921.0	143.4	29.1
801.5	140.6	24.2	841.5	140.6	26.7	881.5	142.7	27.8	921.5	142.7	29.1
802.0	139.9	24.2	842.0	140.6	26.7	882.0	141.3	27.9	922.0	143.4	29.1
802.5	141.3	24.2	842.5	141.3	26.7	882.5	141.3	27.9	922.5	144.0	29.1
803.0	140.6	24.2	843.0	140.6	26.7	883.0	144.0	28.0	923.0	143.4	29.1
803.5	141.3	24.2	843.5	142.7	26.7	883.5	142.7	28.1	923.5	143.4	29.1
804.0	143.4	24.2	844.0	139.9	26.7	884.0	143.4	28.1	924.0	143.4	29.1
804.5	139.9	24.2	844.5	140.6	26.7	884.5	143.4	28.1	924.5	144.0	29.1
805.0	139.9	24.3	845.0	139.9	26.7	885.0	142.0	28.1	925.0	143.4	29.1
805.5	141.3	24.4	845.5	141.3	26.7	885.5	142.0	28.1	925.5	144.0	29.1
806.0	139.9	24.4	846.0	140.6	26.7	886.0	143.4	28.1	926.0	144.0	29.1
806.5	140.6	24.5	846.5	139.9	26.7	886.5	142.0	28.1	926.5	143.4	29.1
807.0	139.9	24.6	847.0	141.3	26.7	887.0	142.0	28.1	927.0	144.0	29.1
807.5	140.6	24.6	847.5	144.0	26.7	887.5	141.3	28.1	927.5	143.4	29.1
808.0	140.6	24.7	848.0	141.3	26.7	888.0	142.0	28.1	928.0	144.0	29.1
808.5	139.9	24.7	848.5	140.6	26.7	888.5	143.4	28.1	928.5	144.0	29.2
809.0	140.6	24.7	849.0	141.3	26.8	889.0	142.0	28.1	929.0	144.0	29.2
809.5	140.6	24.7	849.5	141.3	26.8	889.5	143.4	28.1	929.5	143.4	29.3
810.0	141.3	24.7	850.0	140.6	26.9	890.0	143.4	28.1	930.0	144.0	29.4
810.5	140.6	24.7	850.5	140.6	27.0	890.5	143.4	28.1	930.5	144.0	29.4
811.0	140.6	24.7	851.0	142.0	27.0	891.0	143.4	28.1	931.0	144.0	29.5
811.5	140.6	24.7	851.5	141.3	27.1	891.5	143.4	28.1	931.5	144.0	29.6
812.0	140.6	24.7	852.0	142.0	27.1	892.0	144.0	28.1	932.0	144.0	29.6
812.5	140.6	24.7	852.5	141.3	27.1	892.5	143.4	28.1	932.5	144.0	29.6
813.0	141.3	24.8	853.0	141.3	27.1	893.0	144.0	28.1	933.0	144.0	29.6
813.5	142.0	24.9	853.5	142.7	27.1	893.5	142.0	28.1	933.5	144.0	29.6
814.0	135.8	24.9	854.0	141.3	27.1	894.0	141.3	28.1	934.0	144.0	29.6
814.5	140.6	25.0	854.5	140.6	27.1	894.5	143.4	28.1	934.5	144.0	29.6
815.0	141.3	25.0	855.0	141.3	27.1	895.0	144.0	28.1	935.0	144.0	29.6
815.5	139.9	25.1	855.5	142.0	27.1	895.5	144.0	28.1	935.5	144.0	29.6
816.0	141.3	25.2	856.0	142.0	27.1	896.0	143.4	28.1	936.0	144.7	29.6
816.5	139.9	25.2	856.5	142.0	27.1	896.5	143.4	28.1	936.5	144.0	29.6
817.0	141.3	25.2	857.0	142.0	27.1	897.0	142.0	28.1	937.0	144.7	29.6
817.5	141.3	25.2	857.5	141.3	27.1	897.5	143.4	28.1	937.5	144.7	29.6
818.0	139.9	25.2	858.0	142.0	27.1	898.0	144.0	28.1	938.0	144.7	29.6
818.5	141.3	25.2	858.5	141.3	27.1	898.5	144.7	28.1	938.5	144.7	29.6
819.0	141.3	25.2	859.0	141.3	27.1	899.0	143.4	28.1	939.0	144.0	29.6
819.5	141.3	25.2	859.5	141.3	27.1	899.5	144.0	28.1	939.5	144.7	29.6
820.0	142.0	25.2	860.0	142.7	27.1	900.0	143.4	28.1	940.0	144.0	29.6
820.5	142.0	25.2	860.5	141.3	27.2	900.5	144.0	28.2	940.5	144.0	29.6
821.0	142.0	25.3	861.0	141.3	27.3	901.0	143.4	28.3	941.0	144.7	29.6
821.5	142.7	25.4	861.5	142.7	27.3	901.5	143.4	28.3	941.5	144.7	29.6
822.0	139.9	25.4	862.0	142.0	27.4	902.0	142.7	28.4	942.0	144.7	29.6
822.5	139.2	25.5	862.5	141.3	27.5	902.5	144.0	28.4	942.5	144.7	29.6
823.0	139.9	25.5	863.0	137.2	27.5	903.0	142.7	28.5	943.0	144.7	29.6
823.5	140.6	25.6	863.5	141.3	27.6	903.5	144.0	28.6	943.5	144.0	29.6
824.0	141.3	25.7	864.0	142.7	27.6	904.0	143.4	28.6	944.0	144.7	29.6
824.5	140.6	25.7	864.5	142.0	27.6	904.5	142.7	28.6	944.5	145.4	29.6
825.0	137.2	25.7	865.0	140.6	27.6	905.0	144.7	28.6	945.0	144.7	29.6
825.5	139.9	25.7	865.5	140.6	27.6	905.5	142.7	28.6	945.5	144.7	29.6
826.0	140.6	25.7	866.0	142.0	27.6	906.0	143.4	28.6	946.0	144.0	29.6
826.5	139.9	25.7	866.5	143.4	27.6	906.5	142.7	28.6	946.5	144.7	29.6
827.0	139.9	25.7	867.0	142.0	27.6	907.0	143.4	28.6	947.0	145.4	29.6
827.5	141.3	25.7	867.5	140.6	27.6	907.5	143.4	28.6	947.5	145.4	29.6
828.0	140.6	25.7	868.0	143.4	27.6	908.0	143.4	28.6	948.0	144.7	29.6
828.5	139.9	25.7	868.5	142.0	27.6	908.5	143.4	28.6	948.5	144.7	29.7
829.0	140.6	25.8	869.0	142.0	27.6	909.0	143.4	28.6	949.0	144.7	29.7
829.5	140.6	25.8	869.5	140.6	27.6	909.5	143.4	28.6	949.5	144.7	29.8
830.0	140.6	25.9	870.0	142.0	27.6	910.0	143.4	28.6	950.0	144.7	29.9
830.5	139.9	26.0	870.5	140.6	27.6	910.5	144.7	28.6	950.5	144.7	29.9
831.0	142.0	26.0	871.0	142.7	27.6	911.0	143.4	28.6	951.0	145.4	30.0
831.5	140.6	26.1	871.5	142.0	27.6	911.5	142.7	28.6	951.5	144.7	30.0
832.0	139.2	26.2	872.0	142.7	27.6	912.0	143.4	28.6	952.0	145.4	30.1
832.5	139.2	26.2	872.5	142.0	27.6	912.5	143.4	28.7	952.5	144.7	30.1
833.0	138.5	26.2	873.0	142.7	27.6	913.0	143.4	28.7	953.0	144.7	30.1
833.5	141.3	26.2	873.5	142.7	27.6	913.5	144.0	28.8	953.5	144.7	30.1
834.0	140.6	26.2	874.0	142.0	27.6	914.0	143.4	28.9	954.0	144.7	30.1
834.5	139.9	26.2	874.5	142.0	27.6	914.5	143.4	28.9	954.5	145.4	30.1
835.0	139.9	26.2	875.0	142.0	27.6	915.0	143.4	29.0	955.0	144.7	30.1
835.5	139.9	26.2	875.5	142.7	27.6	915.5	144.0	29.1	955.5	144.7	30.1
836.0	139.9	26.2	876.0	142.7	27.6	916.0	144.7	29.1	956.0	146.8	30.1
836.5	139.2	26.2	876.5	142.0	27.6	916.5	144.0	29.1	956.5	144.7	30.1
837.0	139.9	26.3	877.0	140.6	27.6	917.0	144.0	29.1	957.0	146.1	30.1
837.5	139.9	26.3	877.5	142.0	27.6	917.5	143.4	29.1	957.5	146.1	30.1
838.0	139.9	26.4	878.0	142.0	27.6	918.0	143.4	29.1	958.0	144.7	30.1
838.5	141.3	26.5	878.5	142.7	27.6	918.5	143.4	29.1	958.5	144.7	30.1
839.0	139.2	26.5	879.0	142.7	27.6	919.0	142.7	29.1	959.0	144.7	30.1
839.5	140.6	26.6	879.5	142.7	27.6	919.5	143.4	29.1	959.5	144.7	30.1
840.0	137.8	26.7	880.0	142.0	27.6	920.0	144.0	29.1	960.0	145.4	30.1
840.5	139.9	26.7	880.5	142.0	27.7	920.5	142.7	29.1	960.5	144.7	30.1

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
961.0	144.7	30.1	1001.0	150.9	32.1	1041.0	153.7	34.1	1081.0	155.1	36.7
961.5	145.4	30.1	1001.5	150.3	32.1	1041.5	154.4	34.1	1081.5	154.4	36.7
962.0	145.4	30.1	1002.0	148.9	32.1	1042.0	154.4	34.1	1082.0	155.1	36.8
962.5	146.1	30.1	1002.5	150.3	32.1	1042.5	154.4	34.1	1082.5	155.1	36.8
963.0	145.4	30.1	1003.0	150.9	32.1	1043.0	154.4	34.1	1083.0	155.1	36.9
963.5	145.4	30.1	1003.5	150.9	32.1	1043.5	154.4	34.1	1083.5	155.1	37.0
964.0	145.4	30.1	1004.0	149.6	32.1	1044.0	154.4	34.1	1084.0	155.1	37.0
964.5	145.4	30.1	1004.5	150.9	32.1	1044.5	154.4	34.1	1084.5	153.7	37.0
965.0	146.1	30.1	1005.0	150.9	32.2	1045.0	155.1	34.2	1085.0	160.6	37.0
965.5	146.1	30.1	1005.5	149.6	32.3	1045.5	154.4	34.2	1085.5	155.1	37.0
966.0	145.4	30.1	1006.0	150.3	32.3	1046.0	153.7	34.3	1086.0	153.7	37.0
966.5	145.4	30.1	1006.5	150.9	32.4	1046.5	153.0	34.4	1086.5	155.1	37.0
967.0	144.7	30.1	1007.0	150.3	32.5	1047.0	153.0	34.4	1087.0	153.7	37.0
967.5	146.1	30.1	1007.5	150.9	32.5	1047.5	155.1	34.5	1087.5	155.1	37.0
968.0	146.1	30.1	1008.0	151.6	32.6	1048.0	153.7	34.6	1088.0	155.1	37.0
968.5	146.1	30.1	1008.5	151.6	32.6	1048.5	153.0	34.6	1088.5	155.1	37.1
969.0	146.1	30.1	1009.0	150.9	32.6	1049.0	153.7	34.6	1089.0	154.4	37.1
969.5	147.5	30.1	1009.5	144.7	32.6	1049.5	153.7	34.6	1089.5	154.4	37.2
970.0	146.8	30.1	1010.0	150.9	32.6	1050.0	153.7	34.6	1090.0	154.4	37.3
970.5	146.1	30.1	1010.5	152.3	32.6	1050.5	155.1	34.6	1090.5	152.3	37.3
971.0	146.8	30.1	1011.0	151.6	32.6	1051.0	153.7	34.6	1091.0	154.4	37.4
971.5	146.8	30.1	1011.5	150.9	32.6	1051.5	153.7	34.6	1091.5	154.4	37.5
972.0	146.8	30.1	1012.0	153.7	32.6	1052.0	155.1	34.6	1092.0	153.7	37.5
972.5	147.5	30.2	1012.5	150.9	32.6	1052.5	153.7	34.6	1092.5	154.4	37.6
973.0	146.8	30.2	1013.0	150.9	32.7	1053.0	153.7	34.7	1093.0	154.4	37.6
973.5	146.8	30.3	1013.5	150.9	32.8	1053.5	153.7	34.7	1093.5	155.1	37.7
974.0	146.1	30.4	1014.0	152.3	32.8	1054.0	154.4	34.8	1094.0	154.4	37.8
974.5	146.8	30.4	1014.5	151.6	32.9	1054.5	153.7	34.9	1094.5	154.4	37.8
975.0	146.8	30.5	1015.0	151.6	32.9	1055.0	154.4	34.9	1095.0	154.4	37.9
975.5	147.5	30.5	1015.5	152.3	33.0	1055.5	154.4	35.0	1095.5	154.4	37.9
976.0	146.8	30.6	1016.0	151.6	33.1	1056.0	154.4	35.0	1096.0	155.1	38.0
976.5	146.8	30.6	1016.5	150.9	33.1	1056.5	153.7	35.0	1096.5	154.4	38.0
977.0	146.8	30.6	1017.0	152.3	33.1	1057.0	154.4	35.0	1097.0	154.4	38.0
977.5	147.5	30.6	1017.5	152.3	33.1	1057.5	153.0	35.0	1097.5	155.1	38.0
978.0	147.5	30.6	1018.0	150.9	33.1	1058.0	154.4	35.0	1098.0	154.4	38.0
978.5	146.8	30.6	1018.5	151.6	33.1	1058.5	153.7	35.0	1098.5	155.1	38.0
979.0	146.8	30.6	1019.0	151.6	33.1	1059.0	154.4	35.0	1099.0	154.4	38.0
979.5	147.5	30.6	1019.5	152.3	33.1	1059.5	154.4	35.0	1099.5	154.4	38.0
980.0	147.5	30.6	1020.0	153.0	33.1	1060.0	155.1	35.0	1100.0	155.1	38.0
980.5	147.5	30.7	1020.5	151.6	33.1	1060.5	154.4	35.1	1100.5	155.8	38.1
981.0	148.2	30.7	1021.0	152.3	33.2	1061.0	154.4	35.2	1101.0	155.8	38.1
981.5	146.8	30.8	1021.5	154.4	33.3	1061.5	154.4	35.2	1101.5	155.8	38.2
982.0	147.5	30.8	1022.0	152.3	33.3	1062.0	154.4	35.3	1102.0	155.8	38.3
982.5	148.2	30.9	1022.5	153.0	33.4	1062.5	154.4	35.4	1102.5	155.1	38.3
983.0	148.2	31.0	1023.0	152.3	33.4	1063.0	153.7	35.4	1103.0	157.1	38.4
983.5	147.5	31.0	1023.5	152.3	33.5	1063.5	154.4	35.5	1103.5	155.8	38.4
984.0	146.8	31.1	1024.0	153.0	33.6	1064.0	153.7	35.5	1104.0	155.8	38.5
984.5	147.5	31.1	1024.5	152.3	33.6	1064.5	154.4	35.5	1104.5	155.1	38.6
985.0	147.5	31.1	1025.0	152.3	33.6	1065.0	154.4	35.5	1105.0	155.8	38.6
985.5	148.2	31.1	1025.5	152.3	33.6	1065.5	154.4	35.5	1105.5	155.1	38.7
986.0	148.2	31.1	1026.0	152.3	33.6	1066.0	154.4	35.5	1106.0	154.4	38.7
986.5	148.9	31.1	1026.5	153.0	33.6	1066.5	154.4	35.5	1106.5	155.8	38.8
987.0	148.2	31.1	1027.0	153.7	33.6	1067.0	154.4	35.5	1107.0	155.8	38.9
987.5	146.8	31.1	1027.5	153.0	33.6	1067.5	154.4	35.5	1107.5	155.8	38.9
988.0	148.9	31.1	1028.0	153.0	33.6	1068.0	154.4	35.5	1108.0	155.1	39.0
988.5	148.9	31.2	1028.5	153.0	33.6	1068.5	154.4	35.6	1108.5	155.8	39.0
989.0	148.2	31.2	1029.0	153.0	33.7	1069.0	154.4	35.7	1109.0	155.8	39.0
989.5	148.2	31.3	1029.5	152.3	33.7	1069.5	154.4	35.7	1109.5	155.8	39.0
990.0	148.2	31.3	1030.0	153.7	33.8	1070.0	155.1	35.8	1110.0	155.8	39.0
990.5	148.9	31.4	1030.5	153.7	33.9	1070.5	154.4	35.8	1110.5	155.8	39.0
991.0	148.2	31.5	1031.0	153.0	33.9	1071.0	153.7	35.9	1111.0	155.8	39.0
991.5	148.9	31.5	1031.5	154.4	34.0	1071.5	153.7	36.0	1111.5	156.5	39.0
992.0	148.9	31.6	1032.0	153.0	34.1	1072.0	154.4	36.0	1112.0	155.8	39.0
992.5	148.9	31.6	1032.5	153.7	34.1	1072.5	153.7	36.0	1112.5	156.5	39.1
993.0	149.6	31.6	1033.0	153.7	34.1	1073.0	153.7	36.0	1113.0	155.8	39.1
993.5	148.2	31.6	1033.5	153.7	34.1	1073.5	154.4	36.0	1113.5	157.1	39.2
994.0	148.9	31.6	1034.0	153.0	34.1	1074.0	154.4	36.0	1114.0	156.5	39.2
994.5	148.2	31.6	1034.5	154.4	34.1	1074.5	154.4	36.0	1114.5	155.8	39.3
995.0	148.9	31.6	1035.0	153.0	34.1	1075.0	153.7	36.0	1115.0	156.5	39.4
995.5	149.6	31.6	1035.5	153.7	34.1	1075.5	153.7	36.0	1115.5	156.5	39.4
996.0	148.9	31.6	1036.0	154.4	34.1	1076.0	154.4	36.0	1116.0	156.5	39.5
996.5	148.9	31.7	1036.5	153.7	34.1	1076.5	154.4	36.1	1116.5	156.5	39.6
997.0	150.3	31.7	1037.0	154.4	34.1	1077.0	154.4	36.2	1117.0	156.5	39.6
997.5	149.6	31.8	1037.5	154.4	34.1	1077.5	154.4	36.2	1117.5	156.5	39.7
998.0	148.9	31.8	1038.0	153.7	34.1	1078.0	155.1	36.3	1118.0	156.5	39.7
998.5	148.9	31.9	1038.5	149.6	34.1	1078.5	154.4	36.3	1118.5	156.5	39.8
999.0	150.3	32.0	1039.0	154.4	34.1	1079.0	154.4	36.4	1119.0	156.5	39.9
999.5	150.3	32.0	1039.5	153.7	34.1	1079.5	154.4	36.5	1119.5	156.5	39.9
1000.0	149.6	32.1	1040.0	154.4	34.1	1080.0	154.4	36.5	1120.0	155.8	40.0
1000.5	149.6	32.1	1040.5	154.4	34.1	1080.5	155.1	36.6	1120.5	157.8	40.0

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1121.0	157.1	40.0	1161.0	158.5	45.7	1201.0	157.1	50.5	1241.0	157.3	51.5
1121.5	155.1	40.0	1161.5	157.8	45.8	1201.5	157.1	50.5	1241.5	157.8	51.5
1122.0	157.1	40.0	1162.0	156.5	46.0	1202.0	157.1	50.5	1242.0	158.5	51.5
1122.5	158.5	40.0	1162.5	157.1	46.1	1202.5	156.5	50.5	1242.5	158.5	51.5
1123.0	157.8	40.0	1163.0	157.1	46.2	1203.0	157.1	50.5	1243.0	157.8	51.5
1123.5	157.1	40.0	1163.5	157.8	46.3	1203.5	157.1	50.5	1243.5	158.5	51.5
1124.0	157.8	40.0	1164.0	157.1	46.5	1204.0	157.1	50.5	1244.0	158.5	51.5
1124.5	158.5	40.0	1164.5	157.8	46.6	1204.5	157.1	50.5	1244.5	158.5	51.5
1125.0	158.5	40.1	1165.0	157.1	46.7	1205.0	157.1	50.5	1245.0	162.7	51.5
1125.5	156.5	40.2	1165.5	156.5	46.8	1205.5	157.8	50.5	1245.5	157.8	51.5
1126.0	156.5	40.2	1166.0	157.1	47.0	1206.0	157.1	50.5	1246.0	158.5	51.5
1126.5	156.5	40.3	1166.5	157.1	47.1	1206.5	157.1	50.5	1246.5	158.5	51.5
1127.0	157.1	40.4	1167.0	156.5	47.2	1207.0	157.1	50.5	1247.0	158.5	51.5
1127.5	157.1	40.4	1167.5	157.8	47.3	1207.5	157.1	50.5	1247.5	159.2	51.5
1128.0	156.5	40.5	1168.0	157.1	47.5	1208.0	157.1	50.5	1248.0	158.5	51.5
1128.5	156.5	40.5	1168.5	157.1	47.5	1208.5	157.1	50.5	1248.5	158.5	51.5
1129.0	158.5	40.6	1169.0	157.1	47.6	1209.0	157.1	50.6	1249.0	158.5	51.5
1129.5	157.8	40.7	1169.5	157.8	47.7	1209.5	157.1	50.6	1249.5	158.5	51.5
1130.0	157.8	40.7	1170.0	157.1	47.7	1210.0	157.1	50.7	1250.0	157.8	51.5
1130.5	157.8	40.8	1170.5	156.5	47.8	1210.5	157.1	50.8	1250.5	159.2	51.5
1131.0	157.8	40.9	1171.0	156.5	47.8	1211.0	157.1	50.8	1251.0	158.5	51.5
1131.5	157.8	40.9	1171.5	157.1	47.9	1211.5	157.1	50.9	1251.5	158.5	51.5
1132.0	155.8	41.0	1172.0	157.1	48.0	1212.0	157.8	51.0	1252.0	158.5	51.5
1132.5	159.9	41.0	1172.5	157.1	48.0	1212.5	156.5	51.0	1252.5	158.5	51.5
1133.0	157.1	41.1	1173.0	157.1	48.1	1213.0	157.8	51.0	1253.0	159.2	51.6
1133.5	157.1	41.2	1173.5	157.1	48.2	1213.5	158.5	51.0	1253.5	158.5	51.6
1134.0	156.5	41.2	1174.0	157.8	48.2	1214.0	157.8	51.0	1254.0	158.5	51.7
1134.5	157.1	41.3	1174.5	157.8	48.3	1214.5	158.5	51.0	1254.5	159.2	51.8
1135.0	156.5	41.4	1175.0	157.1	48.3	1215.0	157.8	51.0	1255.0	158.5	51.8
1135.5	157.1	41.4	1175.5	157.8	48.4	1215.5	156.5	51.0	1255.5	159.2	51.9
1136.0	157.8	41.5	1176.0	156.5	48.5	1216.0	157.8	51.0	1256.0	159.2	52.0
1136.5	157.1	41.5	1176.5	157.8	48.5	1216.5	157.8	51.0	1256.5	157.8	52.0
1137.0	156.5	41.6	1177.0	157.1	48.6	1217.0	157.8	51.0	1257.0	157.8	52.0
1137.5	157.8	41.7	1177.5	157.1	48.7	1217.5	157.8	51.0	1257.5	159.9	52.0
1138.0	158.5	41.7	1178.0	157.1	48.7	1218.0	157.8	51.0	1258.0	157.8	52.0
1138.5	157.8	41.8	1178.5	157.1	48.8	1218.5	158.5	51.0	1258.5	157.8	52.0
1139.0	157.8	41.9	1179.0	157.8	48.8	1219.0	157.8	51.0	1259.0	159.2	52.0
1139.5	158.5	41.9	1179.5	157.1	48.9	1219.5	157.8	51.0	1259.5	157.8	52.0
1140.0	157.8	42.0	1180.0	157.1	49.0	1220.0	158.5	51.0	1260.0	159.2	52.0
1140.5	157.8	42.0	1180.5	157.1	49.0	1220.5	158.5	51.0	1260.5	157.8	52.0
1141.0	157.8	42.1	1181.0	157.1	49.1	1221.0	157.8	51.0	1261.0	159.2	52.0
1141.5	157.8	42.2	1181.5	157.8	49.2	1221.5	158.5	51.0	1261.5	157.8	52.0
1142.0	157.1	42.2	1182.0	157.1	49.2	1222.0	157.8	51.0	1262.0	157.8	52.0
1142.5	157.8	42.3	1182.5	157.1	49.3	1222.5	159.2	51.0	1262.5	159.2	52.0
1143.0	157.8	42.4	1183.0	156.5	49.3	1223.0	157.8	51.0	1263.0	159.9	52.0
1143.5	158.5	42.4	1183.5	156.5	49.4	1223.5	158.5	51.0	1263.5	157.8	52.0
1144.0	158.5	42.5	1184.0	156.5	49.5	1224.0	157.8	51.0	1264.0	159.2	52.0
1144.5	157.1	42.5	1184.5	156.5	49.5	1224.5	157.8	51.0	1264.5	159.2	52.0
1145.0	157.8	42.6	1185.0	157.1	49.5	1225.0	158.5	51.0	1265.0	157.8	52.0
1145.5	157.8	42.7	1185.5	156.5	49.5	1225.5	158.5	51.0	1265.5	159.9	52.0
1146.0	156.5	42.7	1186.0	157.1	49.5	1226.0	157.8	51.0	1266.0	159.9	52.0
1146.5	158.5	42.8	1186.5	157.1	49.5	1226.5	158.5	51.0	1266.5	159.2	52.0
1147.0	157.8	42.9	1187.0	157.1	49.5	1227.0	157.8	51.0	1267.0	159.2	52.0
1147.5	157.1	42.9	1187.5	156.5	49.5	1227.5	157.8	51.0	1267.5	159.9	52.0
1148.0	161.3	43.0	1188.0	157.1	49.5	1228.0	158.5	51.0	1268.0	159.9	52.0
1148.5	157.8	43.1	1188.5	157.1	49.5	1228.5	159.2	51.0	1268.5	159.9	52.0
1149.0	157.1	43.2	1189.0	157.1	49.6	1229.0	158.5	51.1	1269.0	159.9	52.0
1149.5	157.8	43.4	1189.5	157.8	49.6	1229.5	157.8	51.1	1269.5	159.9	52.0
1150.0	157.8	43.5	1190.0	157.1	49.7	1230.0	157.8	51.2	1270.0	159.2	52.0
1150.5	155.1	43.6	1190.5	157.1	49.8	1230.5	158.5	51.3	1270.5	161.3	52.0
1151.0	157.1	43.7	1191.0	157.1	49.8	1231.0	157.8	51.3	1271.0	159.9	52.0
1151.5	157.1	43.8	1191.5	157.1	49.9	1231.5	157.8	51.4	1271.5	159.9	52.0
1152.0	157.8	44.0	1192.0	157.1	50.0	1232.0	157.1	51.5	1272.0	160.6	52.0
1152.5	158.5	44.0	1192.5	157.1	50.0	1232.5	157.1	51.5	1272.5	159.9	52.0
1153.0	157.8	44.1	1193.0	157.1	50.0	1233.0	158.5	51.5	1273.0	160.6	52.1
1153.5	158.5	44.2	1193.5	157.1	50.0	1233.5	157.1	51.5	1273.5	159.2	52.1
1154.0	158.5	44.2	1194.0	157.1	50.0	1234.0	157.8	51.5	1274.0	159.2	52.2
1154.5	158.5	44.3	1194.5	157.1	50.0	1234.5	157.8	51.5	1274.5	159.9	52.3
1155.0	159.9	44.3	1195.0	157.1	50.0	1235.0	157.1	51.5	1275.0	159.2	52.3
1155.5	158.5	44.4	1195.5	157.1	50.0	1235.5	158.5	51.5	1275.5	159.9	52.4
1156.0	159.2	44.5	1196.0	157.1	50.0	1236.0	158.5	51.5	1276.0	159.2	52.5
1156.5	157.8	44.6	1196.5	157.8	50.0	1236.5	157.8	51.5	1276.5	159.9	52.5
1157.0	158.5	44.7	1197.0	157.8	50.1	1237.0	158.5	51.5	1277.0	159.9	52.5
1157.5	158.5	44.8	1197.5	156.5	50.1	1237.5	158.5	51.5	1277.5	159.2	52.5
1158.0	156.5	45.0	1198.0	156.5	50.2	1238.0	158.5	51.5	1278.0	158.5	52.5
1158.5	158.5	45.1	1198.5	156.5	50.3	1238.5	158.5	51.5	1278.5	159.9	52.5
1159.0	158.5	45.2	1199.0	156.5	50.3	1239.0	159.2	51.5	1279.0	159.9	52.5
1159.5	157.8	45.3	1199.5	157.1	50.4	1239.5	157.8	51.5	1279.5	159.9	52.5
1160.0	159.2	45.5	1200.0	156.5	50.5	1240.0	158.5	51.5	1280.0	159.9	52.5
1160.5	157.8	45.6	1200.5	156.5	50.5	1240.5	158.5	51.5	1280.5	159.2	52.5

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1281.0	159.2	52.5	1321.0	161.3	53.0	1361.0	161.3	53.5	1401.0	162.7	53.5
1281.5	159.9	52.5	1321.5	162.0	53.0	1361.5	161.3	53.5	1401.5	162.7	53.5
1282.0	159.2	52.5	1322.0	161.3	53.0	1362.0	160.6	53.5	1402.0	162.7	53.5
1282.5	159.9	52.5	1322.5	160.6	53.0	1362.5	162.0	53.5	1402.5	162.7	53.5
1283.0	160.6	52.5	1323.0	160.6	53.0	1363.0	162.0	53.5	1403.0	162.7	53.5
1283.5	159.9	52.5	1323.5	159.2	53.0	1363.5	161.3	53.5	1403.5	162.0	53.5
1284.0	159.2	52.5	1324.0	161.3	53.0	1364.0	162.0	53.5	1404.0	162.0	53.5
1284.5	160.6	52.5	1324.5	162.0	53.0	1364.5	161.3	53.5	1404.5	162.0	53.5
1285.0	160.6	52.5	1325.0	160.6	53.0	1365.0	160.6	53.5	1405.0	163.4	53.5
1285.5	159.9	52.5	1325.5	160.6	53.0	1365.5	162.0	53.5	1405.5	163.4	53.5
1286.0	159.9	52.5	1326.0	160.6	53.0	1366.0	161.3	53.5	1406.0	162.7	53.5
1286.5	159.2	52.5	1326.5	158.5	53.0	1366.5	160.6	53.5	1406.5	163.4	53.5
1287.0	159.9	52.5	1327.0	161.3	53.0	1367.0	161.3	53.5	1407.0	162.7	53.5
1287.5	160.6	52.5	1327.5	161.3	53.0	1367.5	162.0	53.5	1407.5	162.7	53.5
1288.0	160.6	52.5	1328.0	160.6	53.0	1368.0	160.6	53.5	1408.0	162.7	53.5
1288.5	159.2	52.5	1328.5	161.3	53.0	1368.5	161.3	53.5	1408.5	162.7	53.5
1289.0	159.2	52.5	1329.0	160.6	53.0	1369.0	160.6	53.5	1409.0	162.7	53.5
1289.5	160.6	52.5	1329.5	160.6	53.0	1369.5	160.6	53.5	1409.5	162.7	53.5
1290.0	159.9	52.5	1330.0	161.3	53.0	1370.0	161.3	53.5	1410.0	163.4	53.5
1290.5	159.9	52.5	1330.5	161.3	53.0	1370.5	161.3	53.5	1410.5	163.4	53.5
1291.0	160.6	52.5	1331.0	161.3	53.0	1371.0	161.3	53.5	1411.0	163.4	53.5
1291.5	160.6	52.5	1331.5	161.3	53.0	1371.5	162.0	53.5	1411.5	163.4	53.5
1292.0	159.9	52.5	1332.0	161.3	53.0	1372.0	161.3	53.5	1412.0	162.7	53.5
1292.5	160.6	52.5	1332.5	161.3	53.0	1372.5	162.7	53.5	1412.5	162.0	53.5
1293.0	160.6	52.5	1333.0	161.3	53.0	1373.0	162.0	53.5	1413.0	162.7	53.6
1293.5	159.9	52.5	1333.5	160.6	53.0	1373.5	162.0	53.5	1413.5	163.4	53.6
1294.0	161.3	52.5	1334.0	161.3	53.0	1374.0	162.0	53.5	1414.0	163.4	53.7
1294.5	159.2	52.5	1334.5	160.6	53.0	1374.5	161.3	53.5	1414.5	163.4	53.8
1295.0	160.6	52.5	1335.0	160.6	53.0	1375.0	161.3	53.5	1415.0	163.4	53.8
1295.5	159.9	52.5	1335.5	160.6	53.0	1375.5	162.0	53.5	1415.5	162.7	53.9
1296.0	160.6	52.5	1336.0	161.3	53.0	1376.0	161.3	53.5	1416.0	163.4	54.0
1296.5	160.6	52.5	1336.5	160.6	53.0	1376.5	161.3	53.5	1416.5	162.7	54.0
1297.0	160.6	52.5	1337.0	162.0	53.0	1377.0	161.3	53.5	1417.0	163.4	54.0
1297.5	159.9	52.5	1337.5	161.3	53.0	1377.5	161.3	53.5	1417.5	162.7	54.0
1298.0	160.6	52.5	1338.0	160.6	53.0	1378.0	162.0	53.5	1418.0	163.4	54.0
1298.5	160.6	52.5	1338.5	161.3	53.0	1378.5	161.3	53.5	1418.5	162.7	54.0
1299.0	160.6	52.5	1339.0	161.3	53.0	1379.0	162.7	53.5	1419.0	162.7	54.0
1299.5	160.6	52.5	1339.5	161.3	53.0	1379.5	162.0	53.5	1419.5	162.7	54.0
1300.0	160.6	52.5	1340.0	161.3	53.0	1380.0	161.3	53.5	1420.0	162.7	54.0
1300.5	160.6	52.5	1340.5	161.3	53.0	1380.5	161.3	53.5	1420.5	164.0	54.0
1301.0	159.9	52.5	1341.0	161.3	53.0	1381.0	162.0	53.5	1421.0	163.4	54.0
1301.5	160.6	52.5	1341.5	159.2	53.0	1381.5	162.0	53.5	1421.5	163.4	54.0
1302.0	160.6	52.5	1342.0	160.6	53.0	1382.0	161.3	53.5	1422.0	162.7	54.0
1302.5	160.6	52.5	1342.5	160.6	53.0	1382.5	161.3	53.5	1422.5	163.4	54.0
1303.0	160.6	52.5	1343.0	162.0	53.0	1383.0	162.7	53.5	1423.0	163.4	54.0
1303.5	159.9	52.5	1343.5	160.6	53.0	1383.5	162.0	53.5	1423.5	162.7	54.0
1304.0	161.3	52.5	1344.0	161.3	53.0	1384.0	162.0	53.5	1424.0	162.0	54.0
1304.5	160.6	52.5	1344.5	161.3	53.0	1384.5	162.7	53.5	1424.5	163.4	54.0
1305.0	160.6	52.6	1345.0	161.3	53.0	1385.0	162.0	53.5	1425.0	162.7	54.0
1305.5	160.6	52.6	1345.5	160.6	53.0	1385.5	162.0	53.5	1425.5	162.7	54.0
1306.0	160.6	52.7	1346.0	162.7	53.0	1386.0	162.7	53.5	1426.0	162.7	54.0
1306.5	160.6	52.8	1346.5	161.3	53.0	1386.5	160.6	53.5	1426.5	163.4	54.0
1307.0	160.6	52.8	1347.0	162.0	53.0	1387.0	162.7	53.5	1427.0	163.4	54.0
1307.5	159.9	52.9	1347.5	162.0	53.0	1387.5	162.0	53.5	1427.5	163.4	54.0
1308.0	159.2	53.0	1348.0	162.0	53.0	1388.0	161.3	53.5	1428.0	164.0	54.0
1308.5	161.3	53.0	1348.5	162.0	53.0	1388.5	161.3	53.5	1428.5	162.7	54.0
1309.0	161.3	53.0	1349.0	161.3	53.1	1389.0	162.7	53.5	1429.0	163.4	54.0
1309.5	160.6	53.0	1349.5	162.0	53.1	1389.5	162.7	53.5	1429.5	164.7	54.0
1310.0	161.3	53.0	1350.0	161.3	53.2	1390.0	162.0	53.5	1430.0	163.4	54.0
1310.5	160.6	53.0	1350.5	161.3	53.3	1390.5	162.7	53.5	1430.5	163.4	54.0
1311.0	160.6	53.0	1351.0	162.0	53.3	1391.0	162.7	53.5	1431.0	162.7	54.0
1311.5	160.6	53.0	1351.5	161.3	53.4	1391.5	162.7	53.5	1431.5	163.4	54.0
1312.0	160.6	53.0	1352.0	160.6	53.5	1392.0	161.3	53.5	1432.0	163.4	54.0
1312.5	162.0	53.0	1352.5	160.6	53.5	1392.5	162.7	53.5	1432.5	163.4	54.0
1313.0	161.3	53.0	1353.0	160.6	53.5	1393.0	162.0	53.5	1433.0	162.7	54.0
1313.5	159.2	53.0	1353.5	161.3	53.5	1393.5	161.3	53.5	1433.5	162.7	54.0
1314.0	159.2	53.0	1354.0	162.0	53.5	1394.0	161.3	53.5	1434.0	162.7	54.0
1314.5	160.6	53.0	1354.5	161.3	53.5	1394.5	162.0	53.5	1434.5	164.0	54.0
1315.0	159.2	53.0	1355.0	161.3	53.5	1395.0	162.0	53.5	1435.0	164.0	54.0
1315.5	160.6	53.0	1355.5	160.6	53.5	1395.5	162.7	53.5	1435.5	162.7	54.0
1316.0	161.3	53.0	1356.0	161.3	53.5	1396.0	163.4	53.5	1436.0	163.4	54.0
1316.5	160.6	53.0	1356.5	160.6	53.5	1396.5	162.7	53.5	1436.5	163.4	54.0
1317.0	161.3	53.0	1357.0	161.3	53.5	1397.0	162.0	53.5	1437.0	162.7	54.0
1317.5	160.6	53.0	1357.5	161.3	53.5	1397.5	163.4	53.5	1437.5	164.0	54.0
1318.0	160.6	53.0	1358.0	162.0	53.5	1398.0	162.7	53.5	1438.0	162.7	54.0
1318.5	160.6	53.0	1358.5	160.6	53.5	1398.5	162.0	53.5	1438.5	162.7	54.0
1319.0	160.6	53.0	1359.0	162.0	53.5	1399.0	162.0	53.5	1439.0	163.4	54.0
1319.5	161.3	53.0	1359.5	161.3	53.5	1399.5	162.7	53.5	1439.5	163.4	54.0
1320.0	162.0	53.0	1360.0	161.3	53.5	1400.0	162.7	53.5	1440.0	164.0	54.0
1320.5	161.3	53.0	1360.5	162.0	53.5	1400.5	163.4	53.5	1440.5	163.4	54.0

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1441.0	164.0	54.0	1481.0	164.7	54.0	1521.0	164.0	54.5	1561.0	3702.4	58.3
1441.5	164.0	54.0	1481.5	164.0	54.0	1521.5	164.0	54.5	1561.5	3703.1	58.3
1442.0	163.4	54.0	1482.0	164.0	54.0	1522.0	164.0	54.5	1562.0	3703.8	58.2
1442.5	162.7	54.0	1482.5	164.0	54.0	1522.5	164.0	54.5	1562.5	3703.8	58.1
1443.0	164.0	54.0	1483.0	164.7	54.0	1523.0	164.7	54.5	1563.0	3704.5	58.1
1443.5	163.4	54.0	1483.5	164.0	54.0	1523.5	164.0	54.5	1563.5	3704.5	58.0
1444.0	164.0	54.0	1484.0	164.7	54.0	1524.0	164.7	54.5	1564.0	3705.2	57.9
1444.5	164.0	54.0	1484.5	164.0	54.0	1524.5	164.7	54.5	1564.5	3704.5	57.9
1445.0	162.7	54.0	1485.0	164.0	54.0	1525.0	164.7	54.5	1565.0	3704.5	57.9
1445.5	162.7	54.0	1485.5	164.0	54.0	1525.5	164.7	54.5	1565.5	3704.5	57.9
1446.0	163.4	54.0	1486.0	163.4	54.0	1526.0	164.0	54.5	1566.0	3704.5	57.9
1446.5	163.4	54.0	1486.5	163.4	54.0	1526.5	164.0	54.5	1566.5	3703.8	57.9
1447.0	163.4	54.0	1487.0	164.0	54.0	1527.0	164.0	54.5	1567.0	3704.5	57.9
1447.5	164.0	54.0	1487.5	164.7	54.0	1527.5	164.0	54.5	1567.5	3703.8	57.9
1448.0	163.4	54.0	1488.0	164.0	54.0	1528.0	164.0	54.5	1568.0	3703.8	57.9
1448.5	163.4	54.0	1488.5	164.0	54.0	1528.5	164.0	54.5	1568.5	3702.4	57.9
1449.0	163.4	54.0	1489.0	164.0	54.1	1529.0	164.0	54.6	1569.0	3702.4	57.9
1449.5	164.0	54.0	1489.5	164.7	54.1	1529.5	164.0	54.6	1569.5	3702.4	57.9
1450.0	163.4	54.0	1490.0	164.0	54.2	1530.0	164.0	54.7	1570.0	3702.4	57.9
1450.5	162.7	54.0	1490.5	164.7	54.3	1530.5	164.0	54.8	1570.5	3701.7	57.9
1451.0	163.4	54.0	1491.0	162.7	54.3	1531.0	164.0	54.8	1571.0	3701.7	57.9
1451.5	163.4	54.0	1491.5	164.0	54.4	1531.5	164.0	54.9	1571.5	3701.0	57.9
1452.0	164.0	54.0	1492.0	163.4	54.5	1532.0	164.0	55.0	1572.0	3701.0	57.9
1452.5	163.4	54.0	1492.5	163.4	54.5	1532.5	164.0	55.0	1572.5	3700.3	57.9
1453.0	164.0	54.0	1493.0	163.4	54.5	1533.0	162.7	55.1	1573.0	3701.0	57.9
1453.5	164.0	54.0	1493.5	163.4	54.5	1533.5	162.7	55.1	1573.5	3700.3	57.9
1454.0	164.0	54.0	1494.0	163.4	54.5	1534.0	163.4	55.2	1574.0	3700.3	57.9
1454.5	163.4	54.0	1494.5	164.0	54.5	1534.5	163.4	55.3	1574.5	3699.0	57.9
1455.0	163.4	54.0	1495.0	162.7	54.5	1535.0	163.4	55.3	1575.0	3700.3	57.9
1455.5	163.4	54.0	1495.5	163.4	54.5	1535.5	162.7	55.4	1575.5	3700.3	57.9
1456.0	163.4	54.0	1496.0	163.4	54.5	1536.0	379.2	55.4	1576.0	3699.0	57.9
1456.5	163.4	54.0	1496.5	163.4	54.5	1536.5	652.2	55.6	1576.5	3699.6	57.9
1457.0	163.4	54.0	1497.0	163.4	54.5	1537.0	909.4	55.7	1577.0	3699.0	57.8
1457.5	163.4	54.0	1497.5	163.4	54.5	1537.5	1129.3	55.8	1577.5	3699.0	57.8
1458.0	164.0	54.0	1498.0	164.0	54.5	1538.0	1321.7	55.9	1578.0	3698.3	57.7
1458.5	163.4	54.0	1498.5	163.4	54.5	1538.5	1508.5	56.1	1578.5	3699.0	57.6
1459.0	164.0	54.0	1499.0	163.4	54.5	1539.0	1671.2	56.2	1579.0	3699.0	57.6
1459.5	163.4	54.0	1499.5	163.4	54.5	1539.5	1820.8	56.3	1579.5	3698.3	57.5
1460.0	163.4	54.0	1500.0	163.4	54.5	1540.0	1977.3	56.4	1580.0	3698.3	57.4
1460.5	164.0	54.0	1500.5	164.0	54.5	1540.5	2120.8	56.6	1580.5	3697.6	57.4
1461.0	163.4	54.0	1501.0	163.4	54.5	1541.0	2283.5	56.7	1581.0	3698.3	57.4
1461.5	163.4	54.0	1501.5	163.4	54.5	1541.5	2444.8	56.8	1581.5	3699.0	57.4
1462.0	164.7	54.0	1502.0	164.0	54.5	1542.0	2599.3	56.9	1582.0	3699.0	57.4
1462.5	164.7	54.0	1502.5	163.4	54.5	1542.5	2742.0	57.1	1582.5	3698.3	57.4
1463.0	164.0	54.0	1503.0	163.4	54.5	1543.0	2881.2	57.2	1583.0	3699.0	57.4
1463.5	164.0	54.0	1503.5	163.4	54.5	1543.5	3016.4	57.3	1583.5	3697.6	57.4
1464.0	163.4	54.0	1504.0	163.4	54.5	1544.0	3148.8	57.4	1584.0	3698.3	57.4
1464.5	163.4	54.0	1504.5	163.4	54.5	1544.5	3277.7	57.5	1584.5	3698.3	57.4
1465.0	164.0	54.0	1505.0	164.0	54.5	1545.0	3401.1	57.6	1585.0	3698.3	57.4
1465.5	164.0	54.0	1505.5	163.4	54.5	1545.5	3522.5	57.6	1585.5	3699.0	57.4
1466.0	164.7	54.0	1506.0	163.4	54.5	1546.0	3640.4	57.7	1586.0	3697.6	57.4
1466.5	163.4	54.0	1506.5	163.4	54.5	1546.5	3687.9	57.8	1586.5	3699.0	57.4
1467.0	163.4	54.0	1507.0	163.4	54.5	1547.0	3687.9	57.8	1587.0	3697.6	57.4
1467.5	163.4	54.0	1507.5	163.4	54.5	1547.5	3686.5	57.9	1587.5	3698.3	57.4
1468.0	163.4	54.0	1508.0	164.0	54.5	1548.0	3685.2	57.9	1588.0	3699.0	57.4
1468.5	164.0	54.0	1508.5	163.4	54.5	1548.5	3685.2	58.0	1588.5	3698.3	57.4
1469.0	164.0	54.0	1509.0	164.0	54.5	1549.0	3687.2	58.1	1589.0	3698.3	57.4
1469.5	164.0	54.0	1509.5	163.4	54.5	1549.5	3687.9	58.1	1589.5	3696.9	57.4
1470.0	164.0	54.0	1510.0	163.4	54.5	1550.0	3688.6	58.2	1590.0	3698.3	57.4
1470.5	164.0	54.0	1510.5	164.0	54.5	1550.5	3688.6	58.3	1590.5	3697.6	57.4
1471.0	164.0	54.0	1511.0	163.4	54.5	1551.0	3689.3	58.3	1591.0	3698.3	57.4
1471.5	163.4	54.0	1511.5	163.4	54.5	1551.5	3688.6	58.4	1591.5	3697.6	57.4
1472.0	163.4	54.0	1512.0	164.0	54.5	1552.0	3690.0	58.4	1592.0	3697.6	57.4
1472.5	164.0	54.0	1512.5	163.4	54.5	1552.5	3690.0	58.4	1592.5	3696.9	57.4
1473.0	164.0	54.0	1513.0	164.0	54.5	1553.0	3689.3	58.4	1593.0	3696.2	57.4
1473.5	164.0	54.0	1513.5	163.4	54.5	1553.5	3689.3	58.4	1593.5	3696.2	57.4
1474.0	164.0	54.0	1514.0	163.4	54.5	1554.0	3689.3	58.4	1594.0	3696.9	57.4
1474.5	164.0	54.0	1514.5	163.4	54.5	1554.5	3690.0	58.4	1594.5	3695.5	57.4
1475.0	164.0	54.0	1515.0	164.0	54.5	1555.0	3690.7	58.4	1595.0	3696.2	57.4
1475.5	164.0	54.0	1515.5	163.4	54.5	1555.5	3691.4	58.4	1595.5	3696.9	57.4
1476.0	164.0	54.0	1516.0	163.4	54.5	1556.0	3692.1	58.4	1596.0	3695.5	57.4
1476.5	163.4	54.0	1516.5	163.4	54.5	1556.5	3694.8	58.4	1596.5	3696.2	57.4
1477.0	163.4	54.0	1517.0	164.0	54.5	1557.0	3696.2	58.4	1597.0	3695.5	57.4
1477.5	163.4	54.0	1517.5	163.4	54.5	1557.5	3697.6	58.4	1597.5	3696.2	57.4
1478.0	163.4	54.0	1518.0	164.0	54.5	1558.0	3698.3	58.4	1598.0	3696.2	57.4
1478.5	163.4	54.0	1518.5	164.0	54.5	1558.5	3699.0	58.4	1598.5	3695.5	57.4
1479.0	164.0	54.0	1519.0	163.4	54.5	1559.0	3700.3	58.4	1599.0	3696.2	57.4
1479.5	164.0	54.0	1519.5	163.4	54.5	1559.5	3701.0	58.4	1599.5	3696.2	57.4
1480.0	164.0	54.0	1520.0	164.0	54.5	1560.0	3701.0	58.4	1600.0	3695.5	57.4
1480.5	163.4	54.0	1520.5	164.0	54.5	1560.5	3701.7	58.4	1600.5	3696.9	57.4

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1601.0	3695.5	57.4	1641.0	7588.9	58.9	1681.0	8352.2	58.4	1721.0	8491.5	57.9
1601.5	3696.2	57.4	1641.5	7610.3	58.9	1681.5	8357.0	58.4	1721.5	8491.5	57.9
1602.0	3694.8	57.4	1642.0	7627.6	58.9	1682.0	8363.2	58.4	1722.0	8490.8	57.9
1602.5	3695.5	57.4	1642.5	7646.2	58.9	1682.5	8366.7	58.4	1722.5	8491.5	57.9
1603.0	3695.5	57.4	1643.0	7662.7	58.9	1683.0	8373.6	58.4	1723.0	8490.8	57.9
1603.5	3695.5	57.4	1643.5	7683.4	58.9	1683.5	8377.0	58.4	1723.5	8490.8	57.9
1604.0	3694.8	57.4	1644.0	7698.6	58.9	1684.0	8379.1	58.4	1724.0	8490.8	57.9
1604.5	3695.5	57.4	1644.5	7713.1	58.9	1684.5	8386.7	58.4	1724.5	8490.1	57.9
1605.0	3694.8	57.4	1645.0	7731.0	58.9	1685.0	8390.1	58.4	1725.0	8490.8	57.9
1605.5	3694.8	57.4	1645.5	7747.5	58.9	1685.5	8394.2	58.4	1725.5	8490.8	57.9
1606.0	3694.8	57.4	1646.0	7761.3	58.9	1686.0	8399.1	58.4	1726.0	8490.8	57.9
1606.5	3695.5	57.4	1646.5	7775.8	58.9	1686.5	8401.1	58.4	1726.5	8490.8	57.9
1607.0	3730.7	57.4	1647.0	7791.7	58.9	1687.0	8407.3	58.4	1727.0	8490.8	57.9
1607.5	3699.0	57.4	1647.5	7806.8	58.9	1687.5	8412.2	58.4	1727.5	8490.1	57.9
1608.0	3740.3	57.4	1648.0	7822.0	58.9	1688.0	8414.9	58.4	1728.0	8490.8	57.9
1608.5	3953.4	57.5	1648.5	7833.7	58.9	1688.5	8421.1	58.4	1728.5	8490.8	57.9
1609.0	4100.9	57.6	1649.0	7846.8	58.9	1689.0	8425.3	58.4	1729.0	8490.8	57.9
1609.5	4240.2	57.6	1649.5	7859.2	58.9	1689.5	8427.3	58.4	1729.5	8489.4	57.9
1610.0	4369.1	57.7	1650.0	7875.1	58.9	1690.0	8432.9	58.4	1730.0	8491.5	57.9
1610.5	4495.3	57.8	1650.5	7889.6	58.9	1690.5	8437.7	58.4	1730.5	8491.5	57.9
1611.0	4608.4	57.8	1651.0	7902.0	58.9	1691.0	8439.8	58.4	1731.0	8490.1	57.9
1611.5	4722.8	57.9	1651.5	7913.0	58.9	1691.5	8444.6	58.4	1731.5	8490.1	57.9
1612.0	4830.4	57.9	1652.0	7925.4	58.9	1692.0	8449.4	58.4	1732.0	8490.8	57.9
1612.5	4933.8	58.0	1652.5	7936.4	58.9	1692.5	8450.8	58.4	1732.5	8490.1	57.9
1613.0	5035.1	58.1	1653.0	7947.5	58.9	1693.0	8456.3	58.4	1733.0	8490.1	57.9
1613.5	5128.9	58.1	1653.5	7958.5	58.9	1693.5	8460.4	58.4	1733.5	8489.4	57.9
1614.0	5221.3	58.2	1654.0	7969.5	58.9	1694.0	8463.2	58.4	1734.0	8490.1	57.9
1614.5	5308.2	58.3	1654.5	7981.9	58.9	1694.5	8466.6	58.4	1734.5	8490.1	57.9
1615.0	5393.7	58.3	1655.0	7992.3	58.9	1695.0	8471.5	58.4	1735.0	8490.1	57.9
1615.5	5477.8	58.4	1655.5	8002.6	58.9	1695.5	8474.9	58.4	1735.5	8490.1	57.9
1616.0	5557.1	58.4	1656.0	8010.2	58.9	1696.0	8477.0	58.4	1736.0	8490.1	57.9
1616.5	5634.3	58.5	1656.5	8019.9	58.9	1696.5	8481.8	58.4	1736.5	8490.1	57.9
1617.0	5721.9	58.6	1657.0	8030.9	58.9	1697.0	8486.6	58.4	1737.0	8489.4	57.9
1617.5	5782.5	58.6	1657.5	8040.5	58.9	1697.5	8488.0	58.4	1737.5	8489.4	57.9
1618.0	5851.5	58.7	1658.0	8046.8	58.9	1698.0	8493.5	58.4	1738.0	8489.4	57.9
1618.5	5919.7	58.8	1658.5	8057.1	58.9	1698.5	8485.9	58.4	1738.5	8490.1	57.9
1619.0	5982.5	58.8	1659.0	8067.4	58.9	1699.0	8487.3	58.4	1739.0	8490.1	57.9
1619.5	6045.9	58.9	1659.5	8076.4	58.9	1699.5	8487.3	58.4	1739.5	8490.1	57.9
1620.0	6108.7	58.9	1660.0	8083.3	58.9	1700.0	8486.6	58.4	1740.0	8489.4	57.9
1620.5	6165.2	58.9	1660.5	8092.3	58.9	1700.5	8487.3	58.4	1740.5	8489.4	57.9
1621.0	6224.5	58.9	1661.0	8101.2	58.9	1701.0	8488.7	58.3	1741.0	8490.1	57.9
1621.5	6276.9	58.9	1661.5	8108.1	58.9	1701.5	8488.7	58.3	1741.5	8490.1	57.9
1622.0	6333.4	58.9	1662.0	8117.8	58.9	1702.0	8489.4	58.2	1742.0	8490.1	57.9
1622.5	6384.4	58.9	1662.5	8126.7	58.9	1702.5	8488.7	58.1	1742.5	8489.4	57.9
1623.0	6434.8	58.9	1663.0	8132.2	58.9	1703.0	8488.7	58.1	1743.0	8490.8	57.9
1623.5	6483.7	58.9	1663.5	8141.2	58.9	1703.5	8491.5	58.0	1743.5	8490.1	57.9
1624.0	6532.7	58.9	1664.0	8149.5	58.9	1704.0	8491.5	57.9	1744.0	8490.8	57.9
1624.5	6580.3	58.9	1664.5	8154.3	58.9	1704.5	8490.8	57.9	1744.5	8491.5	57.9
1625.0	6627.1	58.9	1665.0	8163.3	58.8	1705.0	8492.2	57.9	1745.0	8489.4	57.9
1625.5	6668.5	58.9	1665.5	8170.2	58.8	1705.5	8491.5	57.9	1745.5	8489.4	57.9
1626.0	6714.7	58.9	1666.0	8179.1	58.7	1706.0	8490.8	57.9	1746.0	8489.4	57.9
1626.5	6754.7	58.9	1666.5	8185.3	58.6	1706.5	8492.8	57.9	1746.5	8490.8	57.9
1627.0	6796.1	58.9	1667.0	8192.2	58.6	1707.0	8492.2	57.9	1747.0	8490.1	57.9
1627.5	6836.7	58.9	1667.5	8199.1	58.5	1707.5	8492.2	57.9	1747.5	8490.1	57.9
1628.0	6874.7	58.9	1668.0	8205.3	58.4	1708.0	8491.5	57.9	1748.0	8490.8	57.9
1628.5	6911.2	58.9	1668.5	8213.6	58.4	1708.5	8492.2	57.9	1748.5	8490.1	57.9
1629.0	6947.7	58.9	1669.0	8218.4	58.4	1709.0	8492.8	57.9	1749.0	8490.8	57.8
1629.5	6982.2	58.9	1669.5	8226.7	58.4	1709.5	8492.2	57.9	1749.5	8490.8	57.8
1630.0	7015.3	58.9	1670.0	8230.8	58.4	1710.0	8492.2	57.9	1750.0	8491.5	57.7
1630.5	7047.7	58.9	1670.5	8238.4	58.4	1710.5	8492.8	57.9	1750.5	8490.1	57.6
1631.0	7082.9	58.9	1671.0	8243.9	58.4	1711.0	8493.5	57.9	1751.0	8490.8	57.6
1631.5	7118.0	58.9	1671.5	8251.5	58.4	1711.5	8493.5	57.9	1751.5	8490.8	57.5
1632.0	7147.7	58.9	1672.0	8254.3	58.4	1712.0	8493.5	57.9	1752.0	8490.8	57.4
1632.5	7180.1	58.9	1672.5	8261.9	58.4	1712.5	8492.2	57.9	1752.5	8491.5	57.4
1633.0	7207.7	58.9	1673.0	8268.8	58.4	1713.0	8492.8	57.9	1753.0	8490.1	57.4
1633.5	7237.3	58.9	1673.5	8276.3	58.4	1713.5	8493.5	57.9	1753.5	8490.8	57.4
1634.0	7267.0	58.9	1674.0	8278.4	58.4	1714.0	8492.8	57.9	1754.0	8490.8	57.4
1634.5	7293.2	58.9	1674.5	8285.3	58.4	1714.5	8493.5	57.9	1754.5	8490.1	57.4
1635.0	7318.7	58.9	1675.0	8291.5	58.4	1715.0	8492.8	57.9	1755.0	8490.1	57.4
1635.5	7343.5	58.9	1675.5	8298.4	58.4	1715.5	8492.8	57.9	1755.5	8490.8	57.4
1636.0	7369.0	58.9	1676.0	8301.2	58.4	1716.0	8492.2	57.9	1756.0	8490.8	57.4
1636.5	7393.1	58.9	1676.5	8306.0	58.4	1716.5	8492.8	57.9	1756.5	8490.8	57.4
1637.0	7417.3	58.9	1677.0	8313.6	58.4	1717.0	8492.2	57.9	1757.0	8490.8	57.4
1637.5	7441.4	58.9	1677.5	8317.7	58.4	1717.5	8492.2	57.9	1757.5	8490.1	57.4
1638.0	7464.8	58.9	1678.0	8325.3	58.4	1718.0	8492.2	57.9	1758.0	8490.8	57.4
1638.5	7488.3	58.9	1678.5	8327.4	58.4	1718.5	8492.2	57.9	1758.5	8491.5	57.4
1639.0	7509.7	58.9	1679.0	8332.9	58.4	1719.0	8492.2	57.9	1759.0	8490.8	57.4
1639.5	7530.3	58.9	1679.5	8338.4	58.4	1719.5	8492.8	57.9	1759.5	8490.1	57.4
1640.0	7551.0	58.9	1680.0	8342.5	58.4	1720.0	8492.2	57.9	1760.0	8490.8	57.4
1640.5	7571.0	58.9	1680.5	8350.1	58.4	1720.5	8492.2	57.9	1760.5	8490.8	57.4

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1761.0	8490.8	57.4	1801.0	8488.0	57.4	1841.0	8486.6	57.3	1881.0	8374.9	56.9
1761.5	8490.8	57.4	1801.5	8488.7	57.4	1841.5	8487.3	57.3	1881.5	8374.9	56.9
1762.0	8492.2	57.4	1802.0	8488.0	57.4	1842.0	8486.6	57.2	1882.0	8374.3	56.9
1762.5	8490.8	57.4	1802.5	8488.7	57.4	1842.5	8488.7	57.1	1882.5	8374.3	56.9
1763.0	8492.2	57.4	1803.0	8488.7	57.4	1843.0	8488.0	57.1	1883.0	8374.3	56.9
1763.5	8491.5	57.4	1803.5	8488.0	57.4	1843.5	8487.3	57.0	1883.5	8374.3	56.9
1764.0	8491.5	57.4	1804.0	8488.0	57.4	1844.0	8488.0	56.9	1884.0	8374.9	56.9
1764.5	8490.8	57.4	1804.5	8487.3	57.4	1844.5	8486.6	56.9	1884.5	8374.9	56.9
1765.0	8490.8	57.4	1805.0	8488.0	57.4	1845.0	8487.3	56.9	1885.0	8374.3	56.9
1765.5	8491.5	57.4	1805.5	8488.0	57.4	1845.5	8487.3	56.9	1885.5	8374.9	56.9
1766.0	8490.8	57.4	1806.0	8487.3	57.4	1846.0	8486.6	56.9	1886.0	8374.3	56.9
1766.5	8490.8	57.4	1806.5	8488.0	57.4	1846.5	8486.6	56.9	1886.5	8374.9	56.9
1767.0	8490.1	57.4	1807.0	8488.7	57.4	1847.0	8486.6	56.9	1887.0	8374.3	56.9
1767.5	8490.1	57.4	1807.5	8487.3	57.4	1847.5	8486.6	56.9	1887.5	8374.9	56.9
1768.0	8490.8	57.4	1808.0	8488.7	57.4	1848.0	8487.3	56.9	1888.0	8374.3	56.9
1768.5	8490.8	57.4	1808.5	8487.3	57.4	1848.5	8487.3	56.9	1888.5	8374.3	56.9
1769.0	8490.8	57.4	1809.0	8488.0	57.4	1849.0	8486.6	56.9	1889.0	8373.6	56.9
1769.5	8490.8	57.4	1809.5	8487.3	57.4	1849.5	8486.6	56.9	1889.5	8374.3	56.9
1770.0	8490.8	57.4	1810.0	8488.0	57.4	1850.0	8487.3	56.9	1890.0	8374.3	56.9
1770.5	8490.1	57.4	1810.5	8486.6	57.4	1850.5	8487.3	56.9	1890.5	8374.3	56.9
1771.0	8490.8	57.4	1811.0	8487.3	57.4	1851.0	8485.9	56.9	1891.0	8374.9	56.9
1771.5	8490.1	57.4	1811.5	8488.0	57.4	1851.5	8486.6	56.9	1891.5	8374.3	56.9
1772.0	8490.1	57.4	1812.0	8488.0	57.4	1852.0	8486.6	56.9	1892.0	8374.3	56.9
1772.5	8490.1	57.4	1812.5	8488.0	57.4	1852.5	8486.6	56.9	1892.5	8373.6	56.9
1773.0	8490.8	57.4	1813.0	8488.0	57.4	1853.0	8485.9	56.9	1893.0	8372.9	56.9
1773.5	8490.1	57.4	1813.5	8488.0	57.4	1853.5	8485.9	56.9	1893.5	8372.9	56.9
1774.0	8490.1	57.4	1814.0	8487.3	57.4	1854.0	8487.3	56.9	1894.0	8373.6	56.9
1774.5	8490.8	57.4	1814.5	8487.3	57.4	1854.5	8485.9	56.9	1894.5	8373.6	56.9
1775.0	8491.5	57.4	1815.0	8486.6	57.4	1855.0	8485.9	56.9	1895.0	8374.3	56.9
1775.5	8489.4	57.4	1815.5	8487.3	57.4	1855.5	8485.9	56.9	1895.5	8373.6	56.9
1776.0	8489.4	57.4	1816.0	8487.3	57.4	1856.0	8485.9	56.9	1896.0	8374.3	56.9
1776.5	8489.4	57.4	1816.5	8487.3	57.4	1856.5	8485.3	56.9	1896.5	8373.6	56.9
1777.0	8489.4	57.4	1817.0	8486.6	57.4	1857.0	8485.9	56.9	1897.0	8373.6	56.9
1777.5	8489.4	57.4	1817.5	8488.0	57.4	1857.5	8485.3	56.9	1897.5	8374.3	56.9
1778.0	8489.4	57.4	1818.0	8487.3	57.4	1858.0	8485.3	56.9	1898.0	8374.3	56.9
1778.5	8489.4	57.4	1818.5	8488.0	57.4	1858.5	8483.9	56.9	1898.5	8374.3	56.9
1779.0	8489.4	57.4	1819.0	8487.3	57.4	1859.0	8485.3	56.9	1899.0	8372.2	56.9
1779.5	8489.4	57.4	1819.5	8486.6	57.4	1859.5	8485.9	56.9	1899.5	8372.2	56.9
1780.0	8490.1	57.4	1820.0	8486.6	57.4	1860.0	8483.2	56.9	1900.0	8372.9	56.9
1780.5	8489.4	57.4	1820.5	8487.3	57.4	1860.5	8485.3	56.9	1900.5	8372.2	56.9
1781.0	8489.4	57.4	1821.0	8486.6	57.4	1861.0	8483.9	56.9	1901.0	8372.2	56.9
1781.5	8489.4	57.4	1821.5	8487.3	57.4	1861.5	8483.9	56.9	1901.5	8372.2	56.9
1782.0	8489.4	57.4	1822.0	8486.6	57.4	1862.0	8485.9	56.9	1902.0	8372.9	56.9
1782.5	8489.4	57.4	1822.5	8486.6	57.4	1862.5	8485.3	56.9	1902.5	8372.9	56.9
1783.0	8488.7	57.4	1823.0	8486.6	57.4	1863.0	8483.9	56.9	1903.0	8372.9	56.9
1783.5	8490.1	57.4	1823.5	8487.3	57.4	1863.5	8485.3	56.9	1903.5	8373.6	56.9
1784.0	8489.4	57.4	1824.0	8487.3	57.4	1864.0	8483.9	56.9	1904.0	8372.2	56.9
1784.5	8489.4	57.4	1824.5	8487.3	57.4	1864.5	8483.9	56.9	1904.5	8372.9	56.9
1785.0	8489.4	57.4	1825.0	8487.3	57.4	1865.0	8483.9	56.9	1905.0	8372.2	56.9
1785.5	8489.4	57.4	1825.5	8487.3	57.4	1865.5	8485.3	56.9	1905.5	8372.9	56.9
1786.0	8488.7	57.4	1826.0	8487.3	57.4	1866.0	8485.3	56.9	1906.0	8372.2	56.9
1786.5	8490.1	57.4	1826.5	8486.6	57.4	1866.5	8483.9	56.9	1906.5	8372.2	56.9
1787.0	8489.4	57.4	1827.0	8486.6	57.4	1867.0	8485.3	56.9	1907.0	8372.2	56.9
1787.5	8489.4	57.4	1827.5	8487.3	57.4	1867.5	8483.9	56.9	1907.5	8370.1	56.9
1788.0	8489.4	57.4	1828.0	8487.3	57.4	1868.0	8485.3	56.9	1908.0	8370.1	56.9
1788.5	8490.1	57.4	1828.5	8487.3	57.4	1868.5	8483.9	56.9	1908.5	8369.4	56.9
1789.0	8490.1	57.4	1829.0	8486.6	57.4	1869.0	8485.3	56.9	1909.0	8370.1	56.9
1789.5	8488.7	57.4	1829.5	8487.3	57.4	1869.5	8483.2	56.9	1909.5	8371.5	56.9
1790.0	8489.4	57.4	1830.0	8487.3	57.4	1870.0	8485.3	56.9	1910.0	8370.1	56.9
1790.5	8489.4	57.4	1830.5	8486.6	57.4	1870.5	8483.9	56.9	1910.5	8370.1	56.9
1791.0	8489.4	57.4	1831.0	8487.3	57.4	1871.0	8483.2	56.9	1911.0	8370.1	56.9
1791.5	8489.4	57.4	1831.5	8487.3	57.4	1871.5	8483.2	56.9	1911.5	8370.1	56.9
1792.0	8489.4	57.4	1832.0	8487.3	57.4	1872.0	8483.2	56.9	1912.0	8370.1	56.9
1792.5	8489.4	57.4	1832.5	8487.3	57.4	1872.5	8483.9	56.9	1912.5	8370.1	56.9
1793.0	8488.7	57.4	1833.0	8487.3	57.4	1873.0	8483.2	56.9	1913.0	8369.4	56.9
1793.5	8488.7	57.4	1833.5	8487.3	57.4	1873.5	8461.8	56.9	1913.5	8369.4	56.9
1794.0	8488.7	57.4	1834.0	8486.6	57.4	1874.0	8428.0	56.9	1914.0	8369.4	56.9
1794.5	8488.7	57.4	1834.5	8486.6	57.4	1874.5	8403.2	56.9	1914.5	8369.4	56.9
1795.0	8488.0	57.4	1835.0	8486.6	57.4	1875.0	8388.7	56.9	1915.0	8369.4	56.9
1795.5	8488.7	57.4	1835.5	8488.0	57.4	1875.5	8379.8	56.9	1915.5	8369.4	56.9
1796.0	8488.7	57.4	1836.0	8487.3	57.4	1876.0	8379.1	56.9	1916.0	8368.7	56.9
1796.5	8488.7	57.4	1836.5	8486.6	57.4	1876.5	8378.4	56.9	1916.5	8370.1	56.9
1797.0	8488.7	57.4	1837.0	8486.6	57.4	1877.0	8377.0	56.9	1917.0	8369.4	56.9
1797.5	8488.7	57.4	1837.5	8486.6	57.4	1877.5	8377.0	56.9	1917.5	8370.1	56.9
1798.0	8488.0	57.4	1838.0	8487.3	57.4	1878.0	8376.3	56.9	1918.0	8370.1	56.9
1798.5	8488.7	57.4	1838.5	8487.3	57.4	1878.5	8376.3	56.9	1918.5	8369.4	56.9
1799.0	8488.0	57.4	1839.0	8487.3	57.4	1879.0	8376.3	56.9	1919.0	8369.4	56.9
1799.5	8488.7	57.4	1839.5	8485.3	57.4	1879.5	8374.9	56.9	1919.5	8370.1	56.9
1800.0	8488.7	57.4	1840.0	8486.6	57.4	1880.0	8374.9	56.9	1920.0	8369.4	56.9
1800.5	8488.7	57.4	1840.5	8487.3	57.4	1880.5	8376.3	56.9	1920.5	8370.1	56.9

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1921.0	8372.9	56.9	1961.0	8371.5	56.9	2001.0	8367.4	56.9	2041.0	8368.0	56.9
1921.5	8379.1	56.9	1961.5	8370.1	56.9	2001.5	8368.0	56.9	2041.5	8368.0	56.9
1922.0	8379.1	56.9	1962.0	8369.4	56.9	2002.0	8368.0	56.9	2042.0	8368.0	56.9
1922.5	8379.8	56.9	1962.5	8369.4	56.9	2002.5	8367.4	56.9	2042.5	8368.0	56.9
1923.0	8379.8	56.9	1963.0	8369.4	56.9	2003.0	8447.3	56.9	2043.0	8369.4	56.9
1923.5	8380.5	56.9	1963.5	8369.4	56.9	2003.5	8368.0	56.9	2043.5	8369.4	56.9
1924.0	8381.1	56.9	1964.0	8369.4	56.9	2004.0	8368.7	56.9	2044.0	8368.7	56.9
1924.5	8381.8	56.9	1964.5	8370.1	56.9	2004.5	8368.7	56.9	2044.5	8368.0	56.9
1925.0	8381.8	56.9	1965.0	8370.1	56.9	2005.0	8368.7	56.9	2045.0	8368.0	56.9
1925.5	8381.8	56.9	1965.5	8370.1	56.9	2005.5	8369.4	56.9	2045.5	8368.7	56.9
1926.0	8381.8	56.9	1966.0	8369.4	56.9	2006.0	8368.7	56.9	2046.0	8369.4	56.9
1926.5	8381.8	56.9	1966.5	8368.7	56.9	2006.5	8368.0	56.9	2046.5	8369.4	56.9
1927.0	8381.8	56.9	1967.0	8369.4	56.9	2007.0	8368.7	56.9	2047.0	8368.7	56.9
1927.5	8381.8	56.9	1967.5	8369.4	56.9	2007.5	8368.7	56.9	2047.5	8368.0	56.9
1928.0	8381.8	56.9	1968.0	8368.0	56.9	2008.0	8368.0	56.9	2048.0	8368.7	56.9
1928.5	8381.8	56.9	1968.5	8369.4	56.9	2008.5	8368.0	56.9	2048.5	8368.7	56.9
1929.0	8381.8	56.9	1969.0	8369.4	56.9	2009.0	8368.0	56.9	2049.0	8369.4	56.9
1929.5	8382.5	56.9	1969.5	8369.4	56.9	2009.5	8367.4	56.9	2049.5	8369.4	56.9
1930.0	8381.8	56.9	1970.0	8370.1	56.9	2010.0	8368.0	56.9	2050.0	8369.4	56.9
1930.5	8383.2	56.9	1970.5	8369.4	56.9	2010.5	8368.7	56.9	2050.5	8369.4	56.9
1931.0	8387.4	56.9	1971.0	8369.4	56.9	2011.0	8368.0	56.9	2051.0	8368.7	56.9
1931.5	8387.4	56.9	1971.5	8368.7	56.9	2011.5	8368.0	56.9	2051.5	8370.1	56.9
1932.0	8388.0	56.9	1972.0	8369.4	56.9	2012.0	8368.0	56.9	2052.0	8368.7	56.9
1932.5	8388.7	56.9	1972.5	8368.7	56.9	2012.5	8368.0	56.9	2052.5	8370.1	56.9
1933.0	8388.7	56.9	1973.0	8369.4	56.9	2013.0	8367.4	56.9	2053.0	8368.7	56.9
1933.5	8389.4	56.9	1973.5	8369.4	56.9	2013.5	8367.4	56.9	2053.5	8369.4	56.9
1934.0	8390.1	56.9	1974.0	8370.1	56.9	2014.0	8368.0	56.9	2054.0	8370.1	56.9
1934.5	8389.4	56.9	1974.5	8369.4	56.9	2014.5	8368.0	56.9	2054.5	8369.4	56.9
1935.0	8390.1	56.9	1975.0	8369.4	56.9	2015.0	8368.7	56.9	2055.0	8369.4	56.9
1935.5	8389.4	56.9	1975.5	8371.5	56.9	2015.5	8368.0	56.9	2055.5	8369.4	56.9
1936.0	8389.4	56.9	1976.0	8371.5	56.9	2016.0	8368.0	56.9	2056.0	8368.7	56.9
1936.5	8389.4	56.9	1976.5	8369.4	56.9	2016.5	8368.0	56.9	2056.5	8369.4	56.9
1937.0	8390.1	56.9	1977.0	8368.7	56.9	2017.0	8368.0	56.9	2057.0	8370.1	56.9
1937.5	8390.1	56.9	1977.5	8369.4	56.9	2017.5	8368.0	56.9	2057.5	8369.4	56.9
1938.0	8390.1	56.9	1978.0	8370.1	56.9	2018.0	8368.7	56.9	2058.0	8370.1	56.9
1938.5	8390.1	56.9	1978.5	8370.1	56.9	2018.5	8367.4	56.9	2058.5	8370.1	56.9
1939.0	8389.4	56.9	1979.0	8148.1	56.9	2019.0	8368.0	56.9	2059.0	8370.1	56.9
1939.5	8390.1	56.9	1979.5	8369.4	56.9	2019.5	8368.7	56.9	2059.5	8369.4	56.9
1940.0	8389.4	56.9	1980.0	8369.4	56.9	2020.0	8368.7	56.9	2060.0	8370.1	56.9
1940.5	8389.4	56.9	1980.5	8369.4	56.9	2020.5	8368.7	56.9	2060.5	8369.4	56.9
1941.0	8390.1	56.9	1981.0	8369.4	56.9	2021.0	8367.4	56.9	2061.0	8369.4	56.9
1941.5	8390.1	56.9	1981.5	8369.4	56.9	2021.5	8368.0	56.9	2061.5	8370.1	56.9
1942.0	8390.1	56.9	1982.0	8502.5	56.9	2022.0	8368.0	56.9	2062.0	8369.4	56.9
1942.5	8390.1	56.9	1982.5	8368.7	56.9	2022.5	8368.0	56.9	2062.5	8369.4	56.9
1943.0	8389.4	56.9	1983.0	8368.7	56.9	2023.0	8368.0	56.9	2063.0	8371.5	56.9
1943.5	8389.4	56.9	1983.5	8369.4	56.9	2023.5	8368.0	56.9	2063.5	8370.1	56.9
1944.0	8390.1	56.9	1984.0	8368.0	56.9	2024.0	8368.0	56.9	2064.0	8370.1	56.9
1944.5	8390.1	56.9	1984.5	8369.4	56.9	2024.5	8368.7	56.9	2064.5	8369.4	56.9
1945.0	8390.1	56.9	1985.0	8368.7	56.9	2025.0	8368.0	56.9	2065.0	8369.4	56.9
1945.5	8390.1	56.9	1985.5	8368.7	56.9	2025.5	8368.0	56.9	2065.5	8370.1	56.9
1946.0	8389.4	56.9	1986.0	8368.7	56.9	2026.0	8368.0	56.9	2066.0	8371.5	56.9
1946.5	8390.1	56.9	1986.5	8368.0	56.9	2026.5	8368.7	56.9	2066.5	8370.1	56.9
1947.0	8389.4	56.9	1987.0	8368.0	56.9	2027.0	8368.0	56.9	2067.0	8371.5	56.9
1947.5	8390.1	56.9	1987.5	8367.4	56.9	2027.5	8368.0	56.9	2067.5	8370.1	56.9
1948.0	8390.1	56.9	1988.0	8368.0	56.9	2028.0	8368.7	56.9	2068.0	8370.1	56.9
1948.5	8390.1	56.9	1988.5	8368.0	56.9	2028.5	8368.7	56.9	2068.5	8370.1	56.9
1949.0	8390.1	56.9	1989.0	8368.0	56.9	2029.0	8368.7	56.9	2069.0	8369.4	56.9
1949.5	8390.1	56.9	1989.5	8367.4	56.9	2029.5	8368.0	56.9	2069.5	8370.1	56.9
1950.0	8389.4	56.9	1990.0	8367.4	56.9	2030.0	8368.7	56.9	2070.0	8370.1	56.9
1950.5	8389.4	56.9	1990.5	8342.5	56.9	2030.5	8368.0	56.9	2070.5	8370.1	56.9
1951.0	8389.4	56.9	1991.0	8368.7	56.9	2031.0	8368.0	56.9	2071.0	8369.4	56.9
1951.5	8389.4	56.9	1991.5	8368.0	56.9	2031.5	8368.0	56.9	2071.5	8369.4	56.9
1952.0	8390.1	56.9	1992.0	8368.0	56.9	2032.0	8368.0	56.9	2072.0	8370.1	56.9
1952.5	8393.6	56.9	1992.5	8366.7	56.9	2032.5	8368.0	56.9	2072.5	8370.1	56.9
1953.0	8391.5	56.9	1993.0	8232.9	56.9	2033.0	8368.7	56.9	2073.0	8368.7	56.9
1953.5	8391.5	56.9	1993.5	8369.4	56.9	2033.5	8368.7	56.9	2073.5	8370.1	56.9
1954.0	8391.5	56.9	1994.0	8368.7	56.9	2034.0	8368.0	56.9	2074.0	8371.5	56.9
1954.5	8391.5	56.9	1994.5	8368.7	56.9	2034.5	8368.0	56.9	2074.5	8369.4	56.9
1955.0	8388.7	56.9	1995.0	8368.7	56.9	2035.0	8368.7	56.9	2075.0	8370.1	56.9
1955.5	8386.0	56.9	1995.5	8368.7	56.9	2035.5	8368.0	56.9	2075.5	8370.1	56.9
1956.0	8423.2	56.9	1996.0	8368.7	56.9	2036.0	8368.0	56.9	2076.0	8370.1	56.9
1956.5	8380.5	56.9	1996.5	8368.0	56.9	2036.5	8368.0	56.9	2076.5	8370.1	56.9
1957.0	8379.8	56.9	1997.0	8368.0	56.9	2037.0	8367.4	56.9	2077.0	8370.1	56.9
1957.5	8379.1	56.9	1997.5	8368.0	56.9	2037.5	8368.7	56.9	2077.5	8370.1	56.9
1958.0	8378.4	56.9	1998.0	8368.0	56.9	2038.0	8368.7	56.9	2078.0	8369.4	56.9
1958.5	8376.3	56.9	1998.5	8368.0	56.9	2038.5	8368.0	56.9	2078.5	8371.5	56.9
1959.0	8374.3	56.9	1999.0	8368.0	56.9	2039.0	8367.4	56.9	2079.0	8371.5	56.9
1959.5	8373.6	56.9	1999.5	8368.0	56.9	2039.5	8368.0	56.9	2079.5	8370.1	56.9
1960.0	8372.2	56.9	2000.0	8368.7	56.9	2040.0	8368.0	56.9	2080.0	8371.5	56.9
1960.5	8370.1	56.9	2000.5	8368.0	56.9	2040.5	8368.0	56.9	2080.5	8370.1	56.9

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2081.0	8371.5	56.9	2121.0	8369.4	56.9	2161.0	8747.9	55.8	2201.0	7880.6	50.3
2081.5	8371.5	56.9	2121.5	8368.0	56.9	2161.5	8367.4	55.8	2201.5	8355.6	50.3
2082.0	8371.5	56.9	2122.0	8368.7	56.9	2162.0	8321.2	55.7	2202.0	7655.1	50.2
2082.5	8369.4	56.9	2122.5	8369.4	56.9	2162.5	8368.7	55.6	2202.5	8364.6	50.1
2083.0	8371.5	56.9	2123.0	8368.0	56.9	2163.0	8369.4	55.6	2203.0	8366.7	50.1
2083.5	8372.2	56.9	2123.5	8368.0	56.9	2163.5	8369.4	55.5	2203.5	8367.4	50.0
2084.0	8370.1	56.9	2124.0	8368.7	56.9	2164.0	8386.7	55.4	2204.0	8366.7	50.0
2084.5	8370.1	56.9	2124.5	8368.0	56.9	2164.5	8505.9	55.4	2204.5	8382.5	49.9
2085.0	8371.5	56.9	2125.0	8368.7	56.9	2165.0	8367.4	55.3	2205.0	8362.5	49.8
2085.5	8371.5	56.9	2125.5	8368.7	56.9	2165.5	8368.7	55.3	2205.5	8367.4	49.8
2086.0	8371.5	56.9	2126.0	8351.5	56.9	2166.0	8370.1	55.2	2206.0	8367.4	49.7
2086.5	8369.4	56.9	2126.5	8443.2	56.9	2166.5	8370.1	55.1	2206.5	8568.7	49.6
2087.0	8371.5	56.9	2127.0	8368.0	56.9	2167.0	8369.4	55.1	2207.0	8366.0	49.6
2087.5	8372.2	56.9	2127.5	8368.7	56.9	2167.5	8360.5	55.0	2207.5	8366.0	49.5
2088.0	8372.2	56.9	2128.0	8368.7	56.9	2168.0	8363.2	55.0	2208.0	8367.4	49.5
2088.5	8372.2	56.9	2128.5	8368.0	56.9	2168.5	8366.7	54.9	2208.5	8368.0	49.4
2089.0	8372.2	56.9	2129.0	8367.4	56.9	2169.0	8368.7	54.8	2209.0	8368.0	49.3
2089.5	8370.1	56.9	2129.5	8380.5	56.9	2169.5	8370.1	54.8	2209.5	8368.0	49.3
2090.0	8371.5	56.9	2130.0	8378.4	56.9	2170.0	8370.1	54.7	2210.0	8368.0	49.2
2090.5	8371.5	56.9	2130.5	8366.7	56.9	2170.5	8369.4	54.6	2210.5	8377.7	49.2
2091.0	8372.2	56.9	2131.0	8368.7	56.9	2171.0	8297.7	54.6	2211.0	8376.3	49.1
2091.5	8370.1	56.9	2131.5	8368.0	56.9	2171.5	8363.9	54.5	2211.5	8363.9	49.0
2092.0	8371.5	56.9	2132.0	8368.0	56.9	2172.0	8368.7	54.5	2212.0	8366.0	49.0
2092.5	8369.4	56.9	2132.5	8368.0	56.9	2172.5	8369.4	54.4	2212.5	8368.0	49.0
2093.0	8369.4	56.9	2133.0	8367.4	56.9	2173.0	8368.7	54.3	2213.0	8357.0	49.0
2093.5	8371.5	56.9	2133.5	8366.7	56.9	2173.5	8369.4	54.3	2213.5	8311.5	49.0
2094.0	8371.5	56.9	2134.0	8368.0	56.9	2174.0	8368.7	54.2	2214.0	8412.9	49.0
2094.5	8371.5	56.9	2134.5	8367.4	56.9	2174.5	8296.3	54.1	2214.5	8372.9	49.0
2095.0	8370.1	56.9	2135.0	8367.4	56.9	2175.0	8376.3	54.1	2215.0	8364.6	49.0
2095.5	8371.5	56.9	2135.5	8367.4	56.9	2175.5	8354.3	54.0	2215.5	8366.0	49.0
2096.0	8371.5	56.9	2136.0	8367.4	56.9	2176.0	8367.4	54.0	2216.0	8368.0	49.0
2096.5	8371.5	56.9	2136.5	8367.4	56.9	2176.5	8369.4	53.9	2216.5	8367.4	48.9
2097.0	8371.5	56.9	2137.0	8367.4	56.9	2177.0	8368.7	53.8	2217.0	8357.0	48.8
2097.5	8370.1	56.9	2137.5	8367.4	56.9	2177.5	8371.5	53.8	2217.5	8665.2	48.8
2098.0	8372.2	56.9	2138.0	8368.0	56.9	2178.0	8143.3	53.7	2218.0	8363.2	48.7
2098.5	8370.1	56.9	2138.5	8381.8	56.9	2178.5	8365.3	53.6	2218.5	8363.2	48.7
2099.0	8371.5	56.9	2139.0	8368.0	56.9	2179.0	8367.4	53.6	2219.0	8365.3	48.6
2099.5	8370.1	56.9	2139.5	8358.4	56.9	2179.5	8369.4	53.5	2219.5	8367.4	48.5
2100.0	8370.1	56.9	2140.0	8388.0	56.9	2180.0	8368.7	53.5	2220.0	8330.1	48.5
2100.5	8371.5	56.9	2140.5	8305.3	56.9	2180.5	8368.0	53.4	2220.5	8360.5	48.4
2101.0	8371.5	56.9	2141.0	8366.7	56.9	2181.0	8366.7	53.3	2221.0	8363.9	48.3
2101.5	8371.5	56.9	2141.5	8368.0	56.9	2181.5	8366.7	53.3	2221.5	8429.4	48.3
2102.0	8371.5	56.9	2142.0	8368.0	56.9	2182.0	8363.2	53.2	2222.0	8363.9	48.2
2102.5	8372.2	56.9	2142.5	8367.4	56.9	2182.5	8446.6	53.1	2222.5	8362.5	48.2
2103.0	8371.5	56.9	2143.0	8367.4	56.9	2183.0	8363.9	53.1	2223.0	8361.8	48.1
2103.5	8370.1	56.9	2143.5	8368.0	56.9	2183.5	8364.6	53.0	2223.5	8363.2	48.0
2104.0	8371.5	56.9	2144.0	8368.0	56.9	2184.0	8366.7	53.0	2224.0	8308.1	48.0
2104.5	8370.1	56.9	2144.5	8413.6	56.9	2184.5	8458.4	52.9	2224.5	8443.9	47.9
2105.0	8370.1	56.9	2145.0	8385.3	56.9	2185.0	8386.0	52.8	2225.0	8362.5	47.8
2105.5	8370.1	56.9	2145.5	8366.7	56.9	2185.5	8338.4	52.8	2225.5	8363.2	47.8
2106.0	8371.5	56.9	2146.0	8446.6	56.9	2186.0	8363.9	52.7	2226.0	8408.0	47.7
2106.5	8369.4	56.9	2146.5	8366.7	56.9	2186.5	8363.9	52.6	2226.5	8386.0	47.7
2107.0	8369.4	56.9	2147.0	8367.4	56.9	2187.0	8366.7	52.6	2227.0	8359.8	47.6
2107.5	8366.0	56.9	2147.5	8367.4	56.9	2187.5	8366.7	52.5	2227.5	8363.9	47.5
2108.0	8368.0	56.9	2148.0	8368.7	56.9	2188.0	8366.0	52.5	2228.0	8363.2	47.5
2108.5	8369.4	56.9	2148.5	8368.0	56.9	2188.5	8364.6	52.4	2228.5	8359.8	47.3
2109.0	8370.1	56.9	2149.0	8368.0	56.8	2189.0	8219.8	52.3	2229.0	8335.6	47.2
2109.5	8371.5	56.9	2149.5	8368.0	56.8	2189.5	8710.0	52.3	2229.5	8361.8	47.1
2110.0	8369.4	56.9	2150.0	8354.9	56.7	2190.0	8363.2	52.2	2230.0	8362.5	47.0
2110.5	8369.4	56.9	2150.5	7721.3	56.6	2190.5	8364.6	52.1	2230.5	8363.9	46.8
2111.0	8369.4	56.9	2151.0	8365.3	56.6	2191.0	8366.0	52.1	2231.0	8365.3	46.7
2111.5	8371.5	56.9	2151.5	8368.0	56.5	2191.5	8365.3	52.0	2231.5	8400.5	46.6
2112.0	8370.1	56.9	2152.0	8367.4	56.4	2192.0	8308.8	52.0	2232.0	8363.2	46.5
2112.5	8369.4	56.9	2152.5	8370.1	56.4	2192.5	8364.6	51.8	2232.5	8363.2	46.4
2113.0	8369.4	56.9	2153.0	8364.6	56.4	2193.0	8364.6	51.7	2233.0	8355.6	46.3
2113.5	8368.7	56.9	2153.5	8370.1	56.4	2193.5	8366.0	51.6	2233.5	8315.6	46.3
2114.0	8368.7	56.9	2154.0	8359.1	56.4	2194.0	8366.0	51.5	2234.0	8363.2	46.2
2114.5	8369.4	56.9	2154.5	8367.4	56.4	2194.5	8366.7	51.3	2234.5	8363.2	46.2
2115.0	8370.1	56.9	2155.0	8368.0	56.4	2195.0	8406.0	51.2	2235.0	8363.9	46.1
2115.5	8369.4	56.9	2155.5	8368.7	56.4	2195.5	8305.3	51.1	2235.5	8356.3	46.0
2116.0	8370.1	56.9	2156.0	8423.9	56.4	2196.0	8364.6	51.0	2236.0	8451.5	46.0
2116.5	8370.1	56.9	2156.5	8226.0	56.4	2196.5	8367.4	50.9	2236.5	8362.5	45.9
2117.0	8370.1	56.9	2157.0	8379.1	56.3	2197.0	8366.0	50.8	2237.0	8364.6	45.8
2117.5	8368.0	56.9	2157.5	8368.7	56.3	2197.5	8366.7	50.8	2237.5	8352.2	45.8
2118.0	8368.0	56.9	2158.0	8368.7	56.2	2198.0	8379.1	50.7	2238.0	8365.3	45.7
2118.5	8372.2	56.9	2158.5	8369.4	56.1	2198.5	8377.7	50.6	2238.5	8364.6	45.7
2119.0	8452.9	56.9	2159.0	8368.7	56.1	2199.0	8503.2	50.6	2239.0	8363.9	45.6
2119.5	8364.6	56.9	2159.5	8368.0	56.0	2199.5	8364.6	50.5	2239.5	8364.6	45.5
2120.0	8368.0	56.9	2160.0	8369.4	55.9	2200.0	8366.7	50.5	2240.0	8421.8	45.5
2120.5	8368.0	56.9	2160.5	8351.5	55.9	2200.5	8366.7	50.4	2240.5	8383.2	45.3

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2241.0	8397.0	45.2	2281.0	8352.9	40.0	2321.0	8359.8	36.4	2361.0	8348.7	32.6
2241.5	8363.9	45.1	2281.5	8364.6	40.0	2321.5	8361.2	36.3	2361.5	8348.7	32.6
2242.0	8363.9	45.0	2282.0	8361.8	40.0	2322.0	8259.8	36.3	2362.0	8349.4	32.6
2242.5	8339.1	44.8	2282.5	8362.5	40.0	2322.5	8377.0	36.2	2362.5	8350.8	32.6
2243.0	8365.3	44.7	2283.0	8421.8	40.0	2323.0	8361.8	36.2	2363.0	8352.2	32.6
2243.5	8364.6	44.6	2283.5	8392.9	40.0	2323.5	8361.2	36.1	2363.5	8353.6	32.6
2244.0	8364.6	44.5	2284.0	8362.5	40.0	2324.0	8361.2	36.0	2364.0	8353.6	32.6
2244.5	8404.6	44.4	2284.5	8361.8	39.9	2324.5	8391.5	36.0	2364.5	8353.6	32.5
2245.0	8388.7	44.3	2285.0	8362.5	39.9	2325.0	8531.5	35.9	2365.0	8353.6	32.5
2245.5	8363.9	44.3	2285.5	8377.7	39.8	2325.5	8359.1	35.8	2365.5	8355.6	32.4
2246.0	8364.6	44.2	2286.0	8360.5	39.7	2326.0	8359.1	35.8	2366.0	8357.0	32.3
2246.5	8365.3	44.2	2286.5	8362.5	39.7	2326.5	8360.5	35.7	2366.5	8356.3	32.3
2247.0	8381.8	44.1	2287.0	8362.5	39.6	2327.0	8359.8	35.7	2367.0	8357.0	32.2
2247.5	8374.3	44.0	2287.5	8363.2	39.6	2327.5	8353.6	35.6	2367.5	8357.0	32.1
2248.0	8363.2	44.0	2288.0	8363.9	39.5	2328.0	8383.2	35.5	2368.0	8357.7	32.1
2248.5	8364.6	43.9	2288.5	8363.9	39.4	2328.5	8359.1	35.5	2368.5	8357.7	32.1
2249.0	8366.0	43.8	2289.0	8346.7	39.4	2329.0	8357.7	35.4	2369.0	8358.4	32.1
2249.5	8356.3	43.8	2289.5	8336.3	39.3	2329.5	8357.7	35.4	2369.5	8358.4	32.1
2250.0	8299.1	43.7	2290.0	8362.5	39.2	2330.0	8362.5	35.3	2370.0	8358.4	32.1
2250.5	8363.2	43.7	2290.5	8362.5	39.2	2330.5	8306.7	35.2	2370.5	8358.4	32.1
2251.0	8362.5	43.6	2291.0	8363.2	39.1	2331.0	8357.0	35.2	2371.0	8358.4	32.1
2251.5	8365.3	43.5	2291.5	8353.6	39.1	2331.5	8356.3	35.1	2371.5	8358.4	32.1
2252.0	8364.6	43.5	2292.0	8338.4	39.0	2332.0	8319.8	35.0	2372.0	8359.1	32.1
2252.5	8357.0	43.4	2292.5	8363.9	38.9	2332.5	8390.8	35.0	2372.5	8360.5	32.1
2253.0	8382.5	43.4	2293.0	8363.2	38.9	2333.0	8357.7	34.9	2373.0	8359.1	32.1
2253.5	8362.5	43.3	2293.5	8363.9	38.8	2333.5	8357.0	34.9	2373.5	8360.5	32.1
2254.0	8363.9	43.2	2294.0	8394.9	38.7	2334.0	8357.0	34.8	2374.0	8360.5	32.1
2254.5	8333.6	43.2	2294.5	8632.1	38.7	2334.5	8357.0	34.7	2374.5	8359.1	32.1
2255.0	8646.6	43.1	2295.0	8363.2	38.6	2335.0	8394.9	34.7	2375.0	8360.5	32.1
2255.5	8361.2	43.0	2295.5	8362.5	38.6	2335.5	8276.3	34.6	2375.5	8361.8	32.1
2256.0	8363.2	43.0	2296.0	8447.3	38.5	2336.0	8356.3	34.6	2376.0	8361.8	32.1
2256.5	8364.6	42.9	2296.5	8326.7	38.5	2336.5	8357.0	34.5	2376.5	8361.8	32.1
2257.0	8334.3	42.7	2297.0	8361.8	38.5	2337.0	8357.7	34.4	2377.0	8361.8	32.1
2257.5	8346.7	42.6	2297.5	8363.2	38.5	2337.5	8357.0	34.4	2377.5	8362.5	32.1
2258.0	8361.8	42.5	2298.0	8361.8	38.5	2338.0	8379.8	34.3	2378.0	8362.5	32.1
2258.5	8363.2	42.4	2298.5	8389.4	38.5	2338.5	8380.5	34.2	2378.5	8363.2	32.1
2259.0	8364.6	42.2	2299.0	8250.8	38.5	2339.0	8357.0	34.2	2379.0	8362.5	32.1
2259.5	8332.2	42.1	2299.5	8362.5	38.5	2339.5	8357.0	34.1	2379.5	8364.6	32.1
2260.0	8075.7	42.0	2300.0	8362.5	38.5	2340.0	8357.0	34.1	2380.0	8360.5	32.1
2260.5	8363.2	41.9	2300.5	8363.2	38.4	2340.5	8334.3	34.0	2380.5	8337.7	32.1
2261.0	8362.5	41.9	2301.0	8340.5	38.4	2341.0	8370.1	33.9	2381.0	8337.7	32.1
2261.5	8345.3	41.8	2301.5	8491.5	38.3	2341.5	8346.0	33.9	2381.5	8337.0	32.1
2262.0	8334.3	41.7	2302.0	8361.8	38.3	2342.0	8357.7	33.8	2382.0	8337.0	32.1
2262.5	8363.2	41.7	2302.5	8363.2	38.2	2342.5	8357.7	33.7	2382.5	8337.7	32.1
2263.0	8362.5	41.6	2303.0	8337.7	38.1	2343.0	8357.7	33.7	2383.0	8338.4	32.1
2263.5	8363.2	41.5	2303.5	8568.0	38.1	2343.5	8357.7	33.6	2383.5	8340.5	32.1
2264.0	8346.0	41.5	2304.0	8361.8	38.0	2344.0	8417.7	33.6	2384.0	8341.2	32.1
2264.5	8144.0	41.4	2304.5	8362.5	37.9	2344.5	8382.5	33.6	2384.5	8343.2	32.1
2265.0	8361.2	41.4	2305.0	8276.3	37.9	2345.0	8370.1	33.6	2385.0	8343.9	32.1
2265.5	8361.8	41.3	2305.5	8373.6	37.8	2345.5	8357.0	33.6	2385.5	8342.5	32.1
2266.0	8363.9	41.2	2306.0	8450.8	37.8	2346.0	8348.7	33.6	2386.0	8345.3	32.1
2266.5	8423.2	41.2	2306.5	8361.8	37.7	2346.5	8345.3	33.6	2386.5	8345.3	32.1
2267.0	8360.5	41.1	2307.0	8362.5	37.6	2347.0	8344.6	33.6	2387.0	8344.6	32.1
2267.5	8322.5	41.0	2307.5	8363.9	37.6	2347.5	8344.6	33.6	2387.5	8346.0	32.1
2268.0	8361.2	41.0	2308.0	8168.1	37.5	2348.0	8344.6	33.6	2388.0	8346.0	32.1
2268.5	8361.2	41.0	2308.5	8363.2	37.5	2348.5	8343.9	33.5	2388.5	8347.4	32.1
2269.0	8406.7	41.0	2309.0	8363.2	37.4	2349.0	8343.2	33.4	2389.0	8346.0	32.1
2269.5	7943.3	41.0	2309.5	8363.2	37.3	2349.5	8343.9	33.4	2389.5	8346.0	32.1
2270.0	8361.8	41.0	2310.0	8363.2	37.3	2350.0	8343.9	33.3	2390.0	8347.4	32.1
2270.5	8360.5	41.0	2310.5	8320.5	37.2	2350.5	8343.9	33.3	2390.5	8347.4	32.1
2271.0	8361.2	41.0	2311.0	8363.2	37.1	2351.0	8345.3	33.2	2391.0	8348.1	32.1
2271.5	8361.8	41.0	2311.5	8363.2	37.1	2351.5	8344.6	33.1	2391.5	8348.1	32.1
2272.0	8363.2	41.0	2312.0	8424.6	37.0	2352.0	8344.6	33.1	2392.0	8347.4	32.1
2272.5	8363.9	40.9	2312.5	8383.2	37.0	2352.5	8344.6	33.0	2392.5	8348.1	32.1
2273.0	8363.2	40.9	2313.0	8363.2	36.9	2353.0	8337.7	32.9	2393.0	8348.7	32.1
2273.5	8363.2	40.8	2313.5	8363.2	36.8	2353.5	8344.6	32.9	2393.5	8348.7	32.1
2274.0	8364.6	40.7	2314.0	8363.2	36.8	2354.0	8337.0	32.8	2394.0	8349.4	32.1
2274.5	8363.9	40.7	2314.5	8363.9	36.7	2354.5	8341.2	32.8	2394.5	8350.1	32.1
2275.0	8364.6	40.6	2315.0	8368.7	36.7	2355.0	8342.5	32.7	2395.0	8350.1	32.1
2275.5	8363.9	40.5	2315.5	8341.8	36.6	2355.5	8343.2	32.6	2395.5	8350.1	32.1
2276.0	8363.2	40.5	2316.0	8362.5	36.5	2356.0	8345.3	32.6	2396.0	8350.1	32.1
2276.5	8363.2	40.4	2316.5	8362.5	36.5	2356.5	8345.3	32.6	2396.5	8352.2	32.1
2277.0	8339.1	40.4	2317.0	8311.5	36.5	2357.0	8345.3	32.6	2397.0	8351.5	32.1
2277.5	8374.3	40.3	2317.5	8333.6	36.5	2357.5	8346.0	32.6	2397.5	8351.5	32.1
2278.0	7822.7	40.2	2318.0	8359.1	36.5	2358.0	8346.7	32.6	2398.0	8353.6	32.1
2278.5	8361.2	40.2	2318.5	8361.2	36.5	2358.5	8346.7	32.6	2398.5	8352.2	32.1
2279.0	8361.2	40.1	2319.0	8341.2	36.5	2359.0	8346.7	32.6	2399.0	8354.3	32.1
2279.5	8362.5	40.0	2319.5	8366.7	36.5	2359.5	8348.1	32.6	2399.5	8353.6	32.1
2280.0	8362.5	40.0	2320.0	8357.7	36.5	2360.0	8348.1	32.6	2400.0	8354.3	32.1
2280.5	8366.0	40.0	2320.5	8359.8	36.5	2360.5	8348.1	32.6	2400.5	8354.3	32.1

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2401.0	8355.6	32.1	2441.0	8366.0	31.6	2481.0	8371.5	31.6	2521.0	8375.6	31.6
2401.5	8354.3	32.1	2441.5	8368.0	31.6	2481.5	8371.5	31.6	2521.5	8375.6	31.6
2402.0	8355.6	32.1	2442.0	8366.7	31.6	2482.0	8372.2	31.6	2522.0	8375.6	31.6
2402.5	8355.6	32.1	2442.5	8368.0	31.6	2482.5	8371.5	31.6	2522.5	8375.6	31.6
2403.0	8354.9	32.1	2443.0	8369.4	31.6	2483.0	8372.2	31.6	2523.0	8375.6	31.6
2403.5	8356.3	32.1	2443.5	8368.0	31.6	2483.5	8371.5	31.6	2523.5	8375.6	31.6
2404.0	8354.9	32.1	2444.0	8369.4	31.6	2484.0	8371.5	31.6	2524.0	8374.9	31.6
2404.5	8356.3	32.1	2444.5	8368.7	31.6	2484.5	8371.5	31.6	2524.5	8374.9	31.6
2405.0	8355.6	32.1	2445.0	8369.4	31.6	2485.0	8371.5	31.6	2525.0	8375.6	31.6
2405.5	8356.3	32.1	2445.5	8369.4	31.6	2485.5	8371.5	31.6	2525.5	8374.9	31.6
2406.0	8357.0	32.1	2446.0	8369.4	31.6	2486.0	8371.5	31.6	2526.0	8375.6	31.6
2406.5	8357.0	32.1	2446.5	8369.4	31.6	2486.5	8371.5	31.6	2526.5	8376.3	31.6
2407.0	8357.0	32.1	2447.0	8370.1	31.6	2487.0	8372.2	31.6	2527.0	8375.6	31.6
2407.5	8357.7	32.1	2447.5	8370.1	31.6	2487.5	8371.5	31.6	2527.5	8375.6	31.6
2408.0	8357.0	32.1	2448.0	8370.1	31.6	2488.0	8371.5	31.6	2528.0	8375.6	31.6
2408.5	8357.7	32.1	2448.5	8369.4	31.6	2488.5	8371.5	31.6	2528.5	8375.6	31.6
2409.0	8357.7	32.1	2449.0	8369.4	31.6	2489.0	8371.5	31.6	2529.0	8358.4	31.6
2409.5	8357.7	32.1	2449.5	8370.1	31.6	2489.5	8371.5	31.6	2529.5	8359.1	31.6
2410.0	8357.0	32.1	2450.0	8370.1	31.6	2490.0	8371.5	31.6	2530.0	8359.8	31.6
2410.5	8357.7	32.1	2450.5	8370.1	31.6	2490.5	8371.5	31.6	2530.5	8370.1	31.6
2411.0	8358.4	32.1	2451.0	8370.1	31.6	2491.0	8371.5	31.6	2531.0	8496.3	31.6
2411.5	8358.4	32.1	2451.5	8370.1	31.6	2491.5	8372.2	31.6	2531.5	8501.1	31.6
2412.0	8358.4	32.1	2452.0	8370.1	31.6	2492.0	8372.2	31.6	2532.0	8501.1	31.6
2412.5	8359.1	32.1	2452.5	8370.1	31.6	2492.5	8372.2	31.6	2532.5	8506.6	31.6
2413.0	8358.4	32.1	2453.0	8370.1	31.6	2493.0	8371.5	31.6	2533.0	8522.5	31.6
2413.5	8358.4	32.1	2453.5	8370.1	31.6	2493.5	8371.5	31.6	2533.5	8532.8	31.6
2414.0	8359.1	32.1	2454.0	8370.1	31.6	2494.0	8372.2	31.6	2534.0	8532.8	31.6
2414.5	8359.1	32.1	2454.5	8370.1	31.6	2494.5	8371.5	31.6	2534.5	8536.3	31.6
2415.0	8358.4	32.1	2455.0	8370.8	31.6	2495.0	8371.5	31.6	2535.0	8544.6	31.6
2415.5	8359.1	32.1	2455.5	8370.8	31.6	2495.5	8372.2	31.6	2535.5	8546.6	31.6
2416.0	8359.1	32.1	2456.0	8370.8	31.6	2496.0	8371.5	31.6	2536.0	8556.3	31.6
2416.5	8359.1	32.1	2456.5	8370.8	31.6	2496.5	8372.2	31.6	2536.5	8548.7	31.6
2417.0	8359.1	32.1	2457.0	8370.1	31.6	2497.0	8372.2	31.6	2537.0	8544.6	31.6
2417.5	8359.1	32.1	2457.5	8370.1	31.6	2497.5	8372.2	31.6	2537.5	8549.4	31.6
2418.0	8359.1	32.1	2458.0	8370.8	31.6	2498.0	8372.2	31.6	2538.0	8545.2	31.6
2418.5	8360.5	32.1	2458.5	8370.8	31.6	2498.5	8372.2	31.6	2538.5	8550.1	31.6
2419.0	8359.1	32.1	2459.0	8370.8	31.6	2499.0	8372.2	31.6	2539.0	8545.2	31.6
2419.5	8360.5	32.1	2459.5	8370.8	31.6	2499.5	8372.2	31.6	2539.5	8548.0	31.6
2420.0	8360.5	32.1	2460.0	8370.8	31.6	2500.0	8372.2	31.6	2540.0	8551.4	31.6
2420.5	8360.5	32.1	2460.5	8370.8	31.6	2500.5	8372.2	31.6	2540.5	8551.4	31.6
2421.0	8360.5	32.1	2461.0	8370.8	31.6	2501.0	8371.5	31.6	2541.0	8554.2	31.6
2421.5	8361.2	32.1	2461.5	8370.8	31.6	2501.5	8372.2	31.6	2541.5	8555.6	31.6
2422.0	8361.2	32.1	2462.0	8371.5	31.6	2502.0	8372.2	31.6	2542.0	8572.1	31.6
2422.5	8361.2	32.1	2462.5	8370.8	31.6	2502.5	8371.5	31.6	2542.5	8583.9	31.6
2423.0	8360.5	32.1	2463.0	8371.5	31.6	2503.0	8372.2	31.6	2543.0	8594.9	31.6
2423.5	8360.5	32.1	2463.5	8370.8	31.6	2503.5	8372.2	31.6	2543.5	8607.3	31.6
2424.0	8361.8	32.1	2464.0	8370.8	31.6	2504.0	8372.9	31.6	2544.0	8618.3	31.6
2424.5	8361.2	32.1	2464.5	8371.5	31.6	2504.5	8372.2	31.6	2544.5	8621.8	31.6
2425.0	8361.8	32.1	2465.0	8370.8	31.6	2505.0	8372.2	31.6	2545.0	8629.4	31.6
2425.5	8362.5	32.1	2465.5	8370.8	31.6	2505.5	8372.2	31.6	2545.5	8632.8	31.6
2426.0	8361.2	32.1	2466.0	8371.5	31.6	2506.0	8372.2	31.6	2546.0	8637.6	31.6
2426.5	8362.5	32.1	2466.5	8371.5	31.6	2506.5	8372.2	31.6	2546.5	8639.7	31.6
2427.0	8361.8	32.1	2467.0	8371.5	31.6	2507.0	8372.2	31.6	2547.0	8642.5	31.6
2427.5	8363.2	32.1	2467.5	8370.8	31.6	2507.5	8372.2	31.6	2547.5	8653.5	31.6
2428.0	8362.5	32.1	2468.0	8371.5	31.6	2508.0	8371.5	31.6	2548.0	8655.6	31.6
2428.5	8363.2	32.0	2468.5	8370.8	31.6	2508.5	8372.2	31.6	2548.5	8654.2	31.6
2429.0	8362.5	32.0	2469.0	8371.5	31.6	2509.0	8372.2	31.6	2549.0	8655.6	31.6
2429.5	8365.3	31.9	2469.5	8371.5	31.6	2509.5	8372.2	31.6	2549.5	8654.2	31.6
2430.0	8363.9	31.8	2470.0	8371.5	31.6	2510.0	8372.9	31.6	2550.0	8659.0	31.6
2430.5	8364.6	31.8	2470.5	8371.5	31.6	2510.5	8372.2	31.6	2550.5	8658.3	31.6
2431.0	8363.9	31.7	2471.0	8371.5	31.6	2511.0	8372.9	31.6	2551.0	8659.0	31.6
2431.5	8363.9	31.7	2471.5	8371.5	31.6	2511.5	8372.2	31.6	2551.5	8659.7	31.6
2432.0	8364.6	31.6	2472.0	8371.5	31.6	2512.0	8372.2	31.6	2552.0	8659.0	31.6
2432.5	8364.6	31.6	2472.5	8371.5	31.6	2512.5	8372.2	31.6	2552.5	8665.2	31.6
2433.0	8364.6	31.6	2473.0	8371.5	31.6	2513.0	8372.9	31.6	2553.0	8665.9	31.6
2433.5	8363.9	31.6	2473.5	8371.5	31.6	2513.5	8372.2	31.6	2553.5	8666.6	31.6
2434.0	8365.3	31.6	2474.0	8371.5	31.6	2514.0	8372.2	31.6	2554.0	8655.6	31.6
2434.5	8366.0	31.6	2474.5	8371.5	31.6	2514.5	8372.2	31.6	2554.5	8649.4	31.6
2435.0	8366.7	31.6	2475.0	8371.5	31.6	2515.0	8372.2	31.6	2555.0	8645.2	31.6
2435.5	8365.3	31.6	2475.5	8371.5	31.6	2515.5	8371.5	31.6	2555.5	9806.3	31.6
2436.0	8366.0	31.6	2476.0	8372.2	31.6	2516.0	8372.9	31.6	2556.0	10037.9	31.6
2436.5	8366.0	31.6	2476.5	8371.5	31.6	2516.5	8372.2	31.6	2556.5	10045.5	31.6
2437.0	8365.3	31.6	2477.0	8371.5	31.6	2517.0	8372.9	31.6	2557.0	9261.6	31.6
2437.5	8368.0	31.6	2477.5	8371.5	31.6	2517.5	8372.2	31.6	2557.5	9611.2	31.6
2438.0	8366.7	31.6	2478.0	8371.5	31.6	2518.0	8372.2	31.6	2558.0	9315.4	31.6
2438.5	8368.0	31.6	2478.5	8371.5	31.6	2518.5	8199.8	31.6	2558.5	9495.3	31.6
2439.0	8368.7	31.6	2479.0	8371.5	31.6	2519.0	8409.4	31.6	2559.0	9757.3	31.6
2439.5	8368.0	31.6	2479.5	8371.5	31.6	2519.5	8381.8	31.6	2559.5	9803.5	31.6
2440.0	8368.7	31.6	2480.0	8372.2	31.6	2520.0	8374.9	31.6	2560.0	9586.3	31.6
2440.5	8366.7	31.6	2480.5	8371.5	31.6	2520.5	8373.6	31.6	2560.5	9467.1	31.6

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2561.0	9260.9	31.6	2601.0	8619.7	31.6	2641.0	7424.2	29.5	2681.0	6053.5	25.5
2561.5	9124.4	31.6	2601.5	8619.0	31.6	2641.5	7426.2	29.4	2681.5	6052.8	25.5
2562.0	9076.1	31.6	2602.0	8619.7	31.6	2642.0	7423.5	29.4	2682.0	6052.1	25.4
2562.5	9069.2	31.6	2602.5	8619.0	31.6	2642.5	7349.7	29.3	2682.5	6052.1	25.4
2563.0	9067.2	31.6	2603.0	8619.7	31.6	2643.0	7288.3	29.2	2683.0	6050.7	25.3
2563.5	9073.4	31.6	2603.5	8619.0	31.6	2643.5	7325.6	29.2	2683.5	6052.1	25.2
2564.0	9076.8	31.6	2604.0	8619.0	31.6	2644.0	7320.7	29.1	2684.0	6052.1	25.2
2564.5	9556.7	31.6	2604.5	8619.7	31.6	2644.5	7318.7	29.1	2684.5	6050.7	25.2
2565.0	9679.4	31.6	2605.0	8634.9	31.6	2645.0	7239.4	29.0	2685.0	6050.0	25.2
2565.5	9235.4	31.6	2605.5	8640.4	31.6	2645.5	7172.5	28.9	2685.5	6050.7	25.2
2566.0	9649.8	31.6	2606.0	8642.5	31.6	2646.0	7209.7	28.9	2686.0	6050.7	25.2
2566.5	9185.8	31.6	2606.5	8641.1	31.6	2646.5	7209.7	28.8	2686.5	6050.0	25.2
2567.0	9336.1	31.6	2607.0	8641.1	31.6	2647.0	7217.3	28.7	2687.0	6050.0	25.2
2567.5	9481.5	31.6	2607.5	8642.5	31.6	2647.5	7112.5	28.7	2687.5	6050.0	25.2
2568.0	9049.2	31.6	2608.0	8642.5	31.6	2648.0	7118.7	28.6	2688.0	6050.7	25.2
2568.5	9503.6	31.6	2608.5	8641.1	31.6	2648.5	7111.8	28.6	2688.5	6050.7	25.1
2569.0	9043.7	31.6	2609.0	8641.1	31.6	2649.0	7108.4	28.5	2689.0	6050.7	25.0
2569.5	9160.9	31.6	2609.5	8640.4	31.6	2649.5	7108.4	28.4	2689.5	6050.0	25.0
2570.0	9089.9	31.6	2610.0	8640.4	31.6	2650.0	7106.3	28.4	2690.0	6050.7	24.9
2570.5	9276.1	31.6	2610.5	8640.4	31.6	2650.5	7006.3	28.3	2690.5	6050.0	24.9
2571.0	9421.6	31.6	2611.0	8640.4	31.6	2651.0	7003.6	28.3	2691.0	6050.0	24.8
2571.5	9141.6	31.6	2611.5	8639.7	31.6	2651.5	7005.7	28.2	2691.5	6049.4	24.7
2572.0	9345.0	31.6	2612.0	8640.4	31.6	2652.0	7005.0	28.1	2692.0	6050.7	24.7
2572.5	9644.3	31.6	2612.5	8639.0	31.6	2652.5	6934.6	28.1	2692.5	6051.4	24.7
2573.0	9328.5	31.6	2613.0	8531.5	31.6	2653.0	6880.2	28.0	2693.0	6049.4	24.7
2573.5	9155.4	31.6	2613.5	8543.2	31.6	2653.5	6905.0	27.9	2693.5	6049.4	24.7
2574.0	9149.2	31.6	2614.0	8549.4	31.6	2654.0	6901.5	27.9	2694.0	6050.7	24.7
2574.5	9283.0	31.6	2614.5	8551.4	31.6	2654.5	6900.2	27.8	2694.5	6049.4	24.7
2575.0	9089.9	31.6	2615.0	8551.4	31.6	2655.0	6824.3	27.8	2695.0	6050.7	24.7
2575.5	9407.1	31.6	2615.5	8559.7	31.6	2655.5	6751.2	27.7	2695.5	6049.4	24.7
2576.0	9378.1	31.6	2616.0	8560.4	31.6	2656.0	6796.7	27.6	2696.0	6049.4	24.7
2576.5	9572.6	31.6	2616.5	8463.9	31.6	2656.5	6798.1	27.6	2696.5	6049.4	24.7
2577.0	9832.5	31.6	2617.0	8390.8	31.6	2657.0	6797.4	27.6	2697.0	6049.4	24.7
2577.5	9167.1	31.6	2617.5	8464.6	31.6	2657.5	6695.4	27.6	2697.5	6049.4	24.7
2578.0	8938.9	31.6	2618.0	8462.5	31.6	2658.0	6691.9	27.6	2698.0	6049.4	24.7
2578.5	8865.8	31.6	2618.5	8461.8	31.6	2658.5	6685.1	27.6	2698.5	6049.4	24.7
2579.0	8841.0	31.6	2619.0	8461.1	31.6	2659.0	6683.0	27.6	2699.0	6049.4	24.7
2579.5	8829.3	31.6	2619.5	8386.7	31.6	2659.5	6608.5	27.6	2699.5	6049.4	24.7
2580.0	8825.9	31.6	2620.0	8294.3	31.6	2660.0	6540.3	27.6	2700.0	6049.4	24.7
2580.5	8820.3	31.6	2620.5	8352.2	31.5	2660.5	6574.7	27.6	2700.5	6048.7	24.6
2581.0	8819.0	31.6	2621.0	8354.9	31.5	2661.0	6572.0	27.5	2701.0	5998.3	24.6
2581.5	8823.8	31.6	2621.5	8353.6	31.4	2661.5	6571.3	27.5	2701.5	5922.5	24.5
2582.0	8668.7	31.6	2622.0	8223.9	31.3	2662.0	6515.4	27.4	2702.0	5949.4	24.4
2582.5	8666.6	31.6	2622.5	8176.4	31.3	2662.5	6446.5	27.3	2702.5	5948.0	24.4
2583.0	8663.1	31.6	2623.0	8243.3	31.2	2663.0	6463.7	27.3	2703.0	5945.2	24.3
2583.5	8659.7	31.6	2623.5	8240.5	31.2	2663.5	6463.0	27.2	2703.5	5890.8	24.2
2584.0	8653.5	31.6	2624.0	8239.1	31.1	2664.0	6461.0	27.1	2704.0	5827.4	24.2
2584.5	8645.2	31.6	2624.5	8105.4	31.1	2664.5	6461.7	27.1	2704.5	5840.5	24.2
2585.0	8640.4	31.6	2625.0	8090.2	31.1	2665.0	6371.3	27.0	2705.0	5839.1	24.2
2585.5	8633.5	31.6	2625.5	8128.8	31.1	2665.5	6337.6	27.0	2705.5	5839.1	24.2
2586.0	8630.0	31.6	2626.0	8131.6	31.1	2666.0	6348.6	26.9	2706.0	5805.3	24.2
2586.5	8624.5	31.6	2626.5	8138.5	31.1	2666.5	6345.8	26.8	2706.5	5730.1	24.2
2587.0	8631.4	31.6	2627.0	8052.3	31.1	2667.0	6296.2	26.8	2707.0	5726.0	24.2
2587.5	8628.0	31.6	2627.5	7989.5	31.1	2667.5	6229.3	26.7	2707.5	5723.2	24.2
2588.0	8624.5	31.6	2628.0	8043.3	31.1	2668.0	6243.8	26.7	2708.0	5722.6	24.2
2588.5	8619.0	31.6	2628.5	8040.5	31.0	2668.5	6243.8	26.6	2708.5	5643.3	24.2
2589.0	8619.0	31.6	2629.0	7964.0	31.0	2669.0	6226.6	26.5	2709.0	5626.0	24.2
2589.5	8618.3	31.6	2629.5	7889.6	30.9	2669.5	6145.9	26.5	2709.5	5623.3	24.2
2590.0	8619.0	31.6	2630.0	7931.6	30.8	2670.0	6167.3	26.4	2710.0	5621.2	24.2
2590.5	8618.3	31.6	2630.5	7930.2	30.8	2670.5	6163.8	26.3	2710.5	5585.3	24.2
2591.0	8619.0	31.6	2631.0	7929.5	30.7	2671.0	6161.7	26.3	2711.0	5508.1	24.2
2591.5	8619.0	31.6	2631.5	7819.9	30.7	2671.5	6109.3	26.2	2711.5	5531.6	24.2
2592.0	8614.9	31.6	2632.0	7982.6	30.6	2672.0	6034.2	26.2	2712.0	5528.8	24.2
2592.5	8616.3	31.6	2632.5	7817.2	30.5	2672.5	6058.3	26.1	2712.5	5511.6	24.1
2593.0	8619.0	31.6	2633.0	7815.8	30.5	2673.0	6058.3	26.0	2713.0	5445.4	24.1
2593.5	8621.1	31.6	2633.5	7728.9	30.4	2673.5	6056.9	26.0	2713.5	5426.8	24.0
2594.0	8621.8	31.6	2634.0	7704.1	30.4	2674.0	6056.9	25.9	2714.0	5425.4	23.9
2594.5	8621.8	31.6	2634.5	7716.5	30.3	2674.5	6054.9	25.8	2714.5	5423.3	23.9
2595.0	8621.8	31.6	2635.0	7717.9	30.2	2675.0	6055.6	25.8	2715.0	5349.5	23.8
2595.5	8621.1	31.6	2635.5	7715.8	30.2	2675.5	6054.2	25.7	2715.5	5322.0	23.7
2596.0	8623.8	31.6	2636.0	7584.8	30.1	2676.0	6054.2	25.7	2716.0	5319.9	23.7
2596.5	8623.2	31.6	2636.5	7612.4	30.0	2676.5	6054.9	25.7	2716.5	5315.8	23.7
2597.0	8623.2	31.6	2637.0	7617.9	30.0	2677.0	6055.6	25.7	2717.0	5264.1	23.7
2597.5	8621.1	31.6	2637.5	7615.8	29.9	2677.5	6054.9	25.7	2717.5	5242.0	23.7
2598.0	8620.4	31.6	2638.0	7510.3	29.9	2678.0	6054.2	25.7	2718.0	5226.8	23.7
2598.5	8620.4	31.6	2638.5	7504.8	29.8	2678.5	6054.9	25.7	2718.5	5226.1	23.7
2599.0	8620.4	31.6	2639.0	7509.7	29.7	2679.0	6054.9	25.7	2719.0	5177.9	23.7
2599.5	8620.4	31.6	2639.5	7511.7	29.7	2679.5	6054.2	25.7	2719.5	5137.2	23.7
2600.0	8619.7	31.6	2640.0	7460.0	29.6	2680.0	6054.9	25.7	2720.0	5135.1	23.7
2600.5	8619.7	31.6	2640.5	7379.3	29.6	2680.5	6052.8	25.6	2720.5	5132.4	23.6

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2721.0	5086.2	23.6	2761.0	3469.4	20.1	2801.0	2191.8	16.8	2841.0	2182.8	16.3
2721.5	5019.3	23.5	2761.5	3444.5	20.0	2801.5	2192.5	16.8	2841.5	2183.5	16.3
2722.0	5030.3	23.4	2762.0	3426.6	20.0	2802.0	2191.8	16.8	2842.0	2183.5	16.3
2722.5	5030.3	23.4	2762.5	3425.9	19.9	2802.5	2191.8	16.8	2842.5	2183.5	16.3
2723.0	5029.6	23.3	2763.0	3420.4	19.9	2803.0	2191.8	16.8	2843.0	2182.8	16.3
2723.5	4964.8	23.3	2763.5	3350.8	19.8	2803.5	2190.4	16.8	2843.5	2182.8	16.3
2724.0	4943.4	23.2	2764.0	3324.6	19.7	2804.0	2191.1	16.8	2844.0	2182.1	16.3
2724.5	4939.3	23.1	2764.5	3323.2	19.7	2804.5	2191.1	16.8	2844.5	2184.2	16.3
2725.0	4936.6	23.1	2765.0	3321.1	19.6	2805.0	2191.1	16.8	2845.0	2183.5	16.3
2725.5	4869.0	23.0	2765.5	3253.6	19.6	2805.5	2190.4	16.8	2845.5	2183.5	16.3
2726.0	4854.5	22.9	2766.0	3223.9	19.5	2806.0	2190.4	16.8	2846.0	2182.8	16.3
2726.5	4834.5	22.9	2766.5	3223.2	19.4	2806.5	2191.1	16.8	2846.5	2182.8	16.3
2727.0	4834.5	22.8	2767.0	3163.2	19.4	2807.0	2189.7	16.8	2847.0	2182.8	16.3
2727.5	4781.4	22.8	2767.5	3141.9	19.3	2807.5	2189.7	16.8	2847.5	2182.8	16.3
2728.0	4727.6	22.7	2768.0	3125.3	19.2	2808.0	2190.4	16.8	2848.0	2182.8	16.3
2728.5	4742.8	22.7	2768.5	3126.7	19.2	2808.5	2190.4	16.8	2848.5	2182.8	16.3
2729.0	4741.4	22.7	2769.0	3126.0	19.1	2809.0	2191.1	16.8	2849.0	2183.5	16.3
2729.5	4689.7	22.7	2769.5	3125.3	19.1	2809.5	2190.4	16.8	2849.5	2183.5	16.3
2730.0	4634.6	22.7	2770.0	3124.6	19.0	2810.0	2189.7	16.8	2850.0	2183.5	16.3
2730.5	4647.7	22.7	2770.5	3061.2	18.9	2810.5	2191.1	16.8	2850.5	2182.8	16.3
2731.0	4646.3	22.7	2771.0	3030.2	18.9	2811.0	2190.4	16.8	2851.0	2182.1	16.3
2731.5	4644.9	22.7	2771.5	3024.0	18.8	2811.5	2190.4	16.8	2851.5	2180.7	16.3
2732.0	4642.8	22.7	2772.0	3023.3	18.7	2812.0	2190.4	16.8	2852.0	2181.4	16.3
2732.5	4644.2	22.6	2772.5	2968.1	18.7	2812.5	2190.4	16.8	2852.5	2181.4	16.3
2733.0	4642.8	22.6	2773.0	2995.0	18.6	2813.0	2190.4	16.8	2853.0	2181.4	16.3
2733.5	4643.5	22.5	2773.5	2921.9	18.6	2813.5	2191.1	16.8	2853.5	2181.4	16.3
2734.0	4642.8	22.5	2774.0	2921.2	18.5	2814.0	2189.7	16.8	2854.0	2181.4	16.3
2734.5	4644.2	22.4	2774.5	2907.4	18.4	2814.5	2190.4	16.8	2854.5	2182.8	16.3
2735.0	4642.8	22.3	2775.0	2842.6	18.4	2815.0	2190.4	16.8	2855.0	2184.2	16.3
2735.5	4642.8	22.3	2775.5	2813.7	18.3	2815.5	2190.4	16.8	2855.5	2071.1	16.3
2736.0	4573.2	22.2	2776.0	2815.7	18.3	2816.0	2188.3	16.8	2856.0	2092.5	16.3
2736.5	4548.4	22.2	2776.5	2816.4	18.3	2816.5	2188.3	16.7	2856.5	2107.7	16.3
2737.0	4549.8	22.2	2777.0	2757.1	18.3	2817.0	2188.3	16.6	2857.0	2089.7	16.3
2737.5	4548.4	22.2	2777.5	2707.5	18.3	2817.5	2189.7	16.6	2857.5	2089.7	16.3
2738.0	4504.9	22.2	2778.0	2717.2	18.3	2818.0	2189.0	16.5	2858.0	2082.8	16.3
2738.5	4451.9	22.2	2778.5	2717.8	18.3	2818.5	2189.7	16.5	2858.5	2073.2	16.3
2739.0	4446.3	22.2	2779.0	2674.4	18.3	2819.0	2189.7	16.4	2859.0	2070.4	16.3
2739.5	4445.0	22.2	2779.5	2611.7	18.3	2819.5	2189.7	16.3	2859.5	2067.7	16.3
2740.0	4442.2	22.2	2780.0	2612.4	18.3	2820.0	2188.3	16.3	2860.0	2059.4	16.3
2740.5	4384.3	22.1	2780.5	2613.0	18.2	2820.5	2188.3	16.3	2860.5	1959.4	16.3
2741.0	4331.2	22.1	2781.0	2573.1	18.1	2821.0	2186.9	16.3	2861.0	2050.4	16.3
2741.5	4340.9	22.0	2781.5	2522.0	18.1	2821.5	2188.3	16.3	2861.5	2052.5	16.3
2742.0	4336.0	22.0	2782.0	2510.3	18.0	2822.0	2187.6	16.3	2862.0	2053.2	16.3
2742.5	4278.8	21.9	2782.5	2511.7	17.9	2822.5	2188.3	16.3	2862.5	2054.6	16.3
2743.0	4109.9	21.8	2783.0	2483.4	17.9	2823.0	2188.3	16.3	2863.0	2055.3	16.3
2743.5	4236.7	21.8	2783.5	2432.4	17.8	2823.5	2188.3	16.3	2863.5	2055.3	16.3
2744.0	4231.2	21.7	2784.0	2406.9	17.8	2824.0	2189.0	16.3	2864.0	2054.6	16.3
2744.5	4203.0	21.6	2784.5	2409.6	17.7	2824.5	2188.3	16.3	2864.5	2054.6	16.3
2745.0	4132.6	21.6	2785.0	2408.3	17.6	2825.0	2187.6	16.3	2865.0	2055.3	16.3
2745.5	4133.3	21.5	2785.5	2375.2	17.6	2825.5	2187.6	16.3	2865.5	2055.3	16.3
2746.0	4133.3	21.5	2786.0	2298.6	17.5	2826.0	2187.6	16.3	2866.0	2055.3	16.3
2746.5	4131.3	21.4	2786.5	2303.5	17.5	2826.5	2186.3	16.3	2866.5	2055.3	16.3
2747.0	4130.6	21.3	2787.0	2303.5	17.4	2827.0	2186.9	16.3	2867.0	2054.6	16.3
2747.5	4081.6	21.3	2787.5	2265.5	17.3	2827.5	2187.6	16.3	2867.5	2054.6	16.3
2748.0	4006.5	21.2	2788.0	2209.0	17.3	2828.0	2186.9	16.3	2868.0	2055.3	16.3
2748.5	4032.0	21.2	2788.5	2193.8	17.3	2828.5	2185.6	16.3	2868.5	2055.3	16.3
2749.0	4027.8	21.1	2789.0	2195.2	17.3	2829.0	2185.6	16.3	2869.0	2055.3	16.3
2749.5	4032.7	21.0	2789.5	2195.2	17.3	2829.5	2186.3	16.3	2869.5	2054.6	16.3
2750.0	3947.2	21.0	2790.0	2195.2	17.3	2830.0	2186.3	16.3	2870.0	2054.6	16.3
2750.5	3931.3	20.9	2790.5	2195.2	17.3	2830.5	2186.3	16.3	2870.5	2053.9	16.3
2751.0	3928.6	20.8	2791.0	2193.8	17.3	2831.0	2186.9	16.3	2871.0	2053.2	16.3
2751.5	3923.7	20.8	2791.5	2193.2	17.3	2831.5	2186.3	16.3	2871.5	2053.9	16.3
2752.0	3883.7	20.7	2792.0	2193.8	17.3	2832.0	2186.9	16.3	2872.0	1896.7	16.3
2752.5	3836.2	20.7	2792.5	2193.8	17.2	2832.5	2186.3	16.3	2872.5	1841.5	16.2
2753.0	3825.8	20.6	2793.0	2192.5	17.1	2833.0	2185.6	16.3	2873.0	1851.9	16.2
2753.5	3826.5	20.5	2793.5	2192.5	17.1	2833.5	2185.6	16.3	2873.5	1854.6	16.1
2754.0	3824.4	20.5	2794.0	2192.5	17.0	2834.0	2184.2	16.3	2874.0	1857.4	16.0
2754.5	3773.4	20.4	2794.5	2191.8	17.0	2834.5	2184.2	16.3	2874.5	1858.8	16.0
2755.0	3686.5	20.4	2795.0	2191.8	16.9	2835.0	2185.6	16.3	2875.0	1858.8	15.9
2755.5	3726.5	20.3	2795.5	2192.5	16.8	2835.5	2185.6	16.3	2875.5	1858.8	15.8
2756.0	3722.4	20.2	2796.0	2192.5	16.8	2836.0	2184.2	16.3	2876.0	1859.5	15.8
2756.5	3690.0	20.2	2796.5	2192.5	16.8	2836.5	2183.5	16.3	2876.5	1754.7	15.8
2757.0	3639.0	20.2	2797.0	2192.5	16.8	2837.0	2183.5	16.3	2877.0	1518.9	15.8
2757.5	3626.6	20.2	2797.5	2191.8	16.8	2837.5	2183.5	16.3	2877.5	1515.4	15.8
2758.0	3621.0	20.2	2798.0	2191.8	16.8	2838.0	2184.2	16.3	2878.0	1540.9	15.8
2758.5	3621.0	20.2	2798.5	2191.1	16.8	2838.5	2184.2	16.3	2878.5	1551.3	15.8
2759.0	3581.7	20.2	2799.0	2191.1	16.8	2839.0	2182.8	16.3	2879.0	1552.6	15.8
2759.5	3526.6	20.2	2799.5	2191.8	16.8	2839.5	2182.8	16.3	2879.5	1552.6	15.8
2760.0	3523.8	20.2	2800.0	2191.8	16.8	2840.0	2182.8	16.3	2880.0	1553.3	15.8
2760.5	3520.4	20.2	2800.5	2191.8	16.8	2840.5	2183.5	16.3	2880.5	1553.3	15.8

TEST REFERENCE#: 301215B			FILE STARTS: 20:53:30 on February 13, 1990								
LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)											
ET	P	T	ET	P	T	ET	P	T	ET	P	T
2881.0	1553.3	15.8	2921.0	97.9	10.6						
2881.5	1553.3	15.8	2921.5	96.5	10.5						
2882.0	1470.6	15.8	2922.0	97.2	10.4						
2882.5	1260.3	15.8	2922.5	97.9	10.2						
2883.0	1220.3	15.8	2923.0	97.2	10.1						
2883.5	1244.4	15.8	2923.5	99.2	10.0						
2884.0	1254.8	15.8	2924.0	89.6	9.9						
2884.5	1256.2	15.7	2924.5	89.6	9.7						
2885.0	1258.2	15.7	2925.0	93.7	9.6						
2885.5	1257.5	15.6	2925.5	99.2	9.5						
2886.0	1137.6	15.5	2926.0	100.6	9.4						
2886.5	961.1	15.5	2926.5	99.9	9.2						
2887.0	959.0	15.4	2927.0	100.6	9.1						
2887.5	970.7	15.4	2927.5	100.6	9.0						
2888.0	973.5	15.3	2928.0	101.3	8.9						
2888.5	972.8	15.3	2928.5	102.7	8.9						
2889.0	972.8	15.3	2929.0	102.7	9.0						
2889.5	973.5	15.3	2929.5	102.0	9.1						
2890.0	854.2	15.3	2930.0	101.3	9.1						
2890.5	659.1	15.3	2930.5	101.3	9.2						
2891.0	656.3	15.3	2931.0	101.3	9.2						
2891.5	666.7	15.3	2931.5	101.3	9.3						
2892.0	671.5	15.3	2932.0	100.6	9.4						
2892.5	672.2	15.2	2932.5	99.9	9.4						
2893.0	670.8	15.2	2933.0	101.3	9.5						
2893.5	672.2	15.1	2933.5	100.6	9.6						
2894.0	672.9	15.0	2934.0	99.9	9.6						
2894.5	615.6	15.0	2934.5	99.9	9.7						
2895.0	426.7	14.9	2935.0	99.2	9.7						
2895.5	371.6	14.9	2935.5	99.2	9.8						
2896.0	361.2	14.8	2936.0	99.2	9.9						
2896.5	359.2	14.8	2936.5	99.2	9.9						
2897.0	359.2	14.8	2937.0	99.2	9.9						
2897.5	359.2	14.8	2937.5	99.9	9.9						
2898.0	359.9	14.8	2938.0	99.2	9.9						
2898.5	361.9	14.8	2938.5	99.2	9.9						
2899.0	361.9	14.8	2939.0	99.9	9.9						
2899.5	360.5	14.8	2939.5	99.9	9.9						
2900.0	359.9	14.8	2940.0	99.2	9.9						
2900.5	360.5	14.8	2940.5	99.9	9.9						
2901.0	359.2	14.8	2941.0	99.9	9.9						
2901.5	357.8	14.8	2941.5	99.2	9.9						
2902.0	357.1	14.8	2942.0	96.5	9.9						
2902.5	358.5	14.8									
2903.0	359.9	14.8									
2903.5	358.5	14.8									
2904.0	356.4	14.8									
2904.5	337.8	14.6									
2905.0	342.6	14.4									
2905.5	132.3	14.2									
2906.0	110.3	14.1									
2906.5	110.3	13.9									
2907.0	111.6	13.7									
2907.5	111.6	13.5									
2908.0	111.6	13.3									
2908.5	112.3	13.2									
2909.0	111.6	13.1									
2909.5	111.6	12.9									
2910.0	113.7	12.8									
2910.5	113.0	12.7									
2911.0	113.0	12.6									
2911.5	113.0	12.5									
2912.0	113.7	12.3									
2912.5	113.7	12.1									
2913.0	113.7	12.0									
2913.5	114.4	11.8									
2914.0	115.1	11.6									
2914.5	103.4	11.4									
2915.0	93.7	11.2									
2915.5	89.6	11.0									
2916.0	97.2	10.8									
2916.5	98.5	10.8									
2917.0	99.2	10.8									
2917.5	98.5	10.8									
2918.0	99.2	10.8									
2918.5	99.2	10.8									
2919.0	99.2	10.8									
2919.5	99.2	10.8									
2920.0	98.5	10.8									
2920.5	97.9	10.7									

A) CORE ANALYSIS

CORE ANALYSIS REPORT

FOR

PETRO-CANADA INC.

PCI SWEDE E-02

**60°11'26.03" N LAT. 117°31'24.73" W LONG.
WILDCAT, SWEDE, NORTHWEST TERRITORIES**

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom; and for whose exclusive and confidential use; this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories (all errors and omissions excepted); but Core Laboratories and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or mineral well or formation in connection with which such report is used or relied upon.

CORE LABORATORIES

Company : PETRO-CANADA INC.
 Well : PCI SWEDE E-02
 Location : 60°11'26.03" N LAT. 117°31'24.73" W LONG.
 Province : NORTHWEST TERRITORIES

Field : WILDCAT, SWEDE
 Formation : SLAVE POINT
 Coring Equip.: DIAMOND
 Coring Fluid : WATER BASE MUD

File No.: 52131-90-0071
 Date : 90-02-05
 Analysts: JC
 Core Dia: 100 mm

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH m	INTVL REP m	SAMPLE LENGTH m	PERMEABILITY			CAPACITY (MAXIMUM) Kair mD-m	POROSITY (HELIUM) fraction	CAPACITY (HELIUM) φ-m	BULK DENSITY kg/m3	GRAIN DENSITY kg/m3	SATURATION		DESCRIPTION	
				(MAXIMUM) Kair mD	(90 DEG) Kair mD	(VERTICAL) Kair mD						(PORE VOLUME) OIL frac	WATER frac		
CORE NO. 1 1377.00 - 1395.00 m (CORE RECEIVED 18.00 m) (17 BOXES)															
SP	1	1377.00- 77.42	0.42	0.19	0.06	0.02	0.11	0.025	0.013	0.004	2650.	2690.	0.323	0.387	ls i sty vfrac
	2	1377.42- 77.54	0.12	-	0.07	-	-	0.008	0.038	0.005	-	2700.	0.280	0.054	ls i ppv
	3	1377.54- 77.73	0.19	0.15	*	0.05	*	-	0.029	0.006	2610.	2690.	0.342	0.059	ls i ppv vfrac
	4	1377.73- 77.93	0.20	0.14	*	0.16	*	-	0.015	0.002	2650.	2690.	TRACE	0.439	ls i ppv vfrac
SP	5	1377.93- 78.46	0.53	0.22	0.03	0.01	0.02	0.016	0.005	0.000	2690.	2700.	0.693	0.099	ls i sty vfrac
	6	1378.46- 78.59	0.13	-	<.01	-	-	0.000	0.005	0.000	-	2710.	TRACE	0.505	ls i
	7	1378.59- 78.86	0.27	0.12	0.41	0.04	0.04	0.111	0.005	0.000	2700.	2710.	0.000	0.345	ls i vfrac
	8	1378.86- 79.29	0.43	0.13	0.05	<.01	<.01	0.022	0.005	0.000	2690.	2700.	0.000	0.439	ls i vfrac
SP	9	1379.29- 79.59	0.30	0.16	<.01	<.01	<.01	0.000	0.005	0.000	2690.	2710.	0.398	0.159	ls i
	10	1379.59- 79.87	0.28	0.12	<.01	<.01	<.01	0.000	0.011	0.003	2700.	2730.	0.000	0.305	ls i
	11	1379.87- 79.97	0.10	-	0.04	-	-	0.004	0.016	0.002	-	2730.	TRACE	0.293	ls i anhy
	12	1379.97- 80.22	0.25	0.20	0.29	<.01	0.02	0.072	0.009	0.002	2670.	2690.	0.000	0.306	ls i vfrac
SP	13	1380.22- 80.46	0.24	0.11	0.02	<.01	0.02	0.005	0.009	0.002	2680.	2710.	0.444	0.123	ls i vfrac
	14	1380.46- 80.58	0.12	-	0.02	-	-	0.002	0.011	0.001	-	2720.	0.336	0.135	ls i ppv foss
	15	1380.58- 80.81	0.23	0.11	<.01	<.01	<.01	0.000	0.027	0.007	2640.	2710.	TRACE	0.283	ls i ppv foss
	16	1380.81- 81.00	0.19	0.09	0.05	<.01	0.05	0.009	0.033	0.006	2620.	2710.	0.508	0.141	ls i ppv foss vfrac
SP	17	1381.00- 81.26	0.26	0.22	0.06	0.01	0.02	0.016	0.015	0.003	2660.	2700.	TRACE	0.240	ls i ppv foss vfrac
	18	1381.26- 81.51	0.25	0.10	0.14	0.05	0.45	0.035	0.009	0.002	2680.	2710.	0.000	0.354	ls i vfrac
	19	1381.51- 81.61	0.10	-	3.45	-	-	0.345	0.005	0.000	-	2700.	0.000	0.180	ls i frac
	20	1381.61- 81.87	0.26	0.18	0.20	0.20	<.01	0.052	0.010	0.003	2700.	2730.	0.000	0.366	ls i sty vfrac
SP	21	1381.87- 82.18	0.31	0.09	0.05	0.03	0.01	0.015	0.010	0.003	2680.	2710.	0.434	0.174	ls i foss vfrac
	22	1382.18- 82.42	0.24	0.10	0.47	0.33	0.94	0.113	0.015	0.002	2660.	2700.	0.431	0.172	ls i ppv foss vfrac
	23	1382.42- 82.71	0.29	0.22	0.01	<.01	<.01	0.003	0.005	0.000	2700.	2710.	0.583	0.162	ls i
	24	1382.71- 82.87	0.16	-	<.01	-	-	0.000	0.005	0.000	-	2700.	0.694	0.086	ls i sty
	25	1382.87- 83.39	0.52	0.14	0.02	0.01	<.01	0.010	0.007	0.005	2670.	2690.	0.672	0.116	ls i foss

CORE LABORATORIES

Company : PETRO-CANADA INC.
Well : PCI SWEDE E-02

Field : WILDCAT, SWEDE
Formation : SLAVE POINT

File No.: 52131-90-0071
Date : 90-02-05

C O R E A N A L Y S I S R E S U L T S

SAMPLE NUMBER	DEPTH m	INTVL REP m	SAMPLE LENGTH m	PERMEABILITY			CAPACITY (MAXIMUM) Kair mD-m	POROSITY (HELIUM) fraction	CAPACITY (HELIUM) φ-m	BULK DENSITY kg/m3	GRAIN DENSITY kg/m3	SATURATION		DESCRIPTION
				(MAXIMUM) Kair mD	(90 DEG) Kair mD	(VERTICAL) Kair mD						(PORE VOLUME) OIL frac	WATER frac	
26	1383.39- 83.55	0.16	0.05	0.80	0.56	0.34	0.128	0.018	0.003	2650.	2700.	0.495	0.198	ls i frac
27	1383.55- 83.79	0.24	0.06	*	39.9	5.86	-	0.005	0.000	2710.	2720.	0.456	0.127	ls i vfrac
28	1383.79- 83.97	0.18	0.15	0.01	<.01	<.01	0.002	0.005	0.000	2680.	2690.	TRACE	0.477	ls i foss
SP 29	1383.97- 84.27	0.30	-	<.01	-	-	0.000	0.006	0.003	-	2690.	0.611	0.105	ls i sty
30	1384.27- 85.10	0.83	0.13	0.01	<.01	0.02	0.008	0.006	0.008	2700.	2720.	0.000	0.610	ls i vfrac
31	1385.10- 85.68	0.58	0.17	1.43	<.01	<.01	0.829	0.005	0.000	2700.	2710.	0.000	0.579	ls i vfrac
32	1385.68- 86.05	0.37	0.17	0.26	<.01	0.04	0.096	0.005	0.000	2690.	2700.	TRACE	0.401	ls i vfrac
33	1386.05- 86.34	0.29	0.06	0.02	<.01	<.01	0.006	0.005	0.000	2690.	2700.	0.652	0.181	ls i
34	1386.34- 86.50	0.16	0.15	0.03	0.01	<.01	0.005	0.006	0.002	2690.	2700.	TRACE	0.268	ls i
35	1386.50- 87.00	0.50	0.21	<.01	<.01	<.01	0.000	0.005	0.000	2690.	2710.	0.000	0.433	ls i
36	1387.00- 87.21	0.21	0.16	<.01	<.01	<.01	0.000	0.005	0.000	2690.	2690.	0.557	0.223	ls i
37	1387.21- 87.54	0.33	0.12	<.01	<.01	<.01	0.000	0.008	0.003	2670.	2690.	0.819	0.080	ls i foss
38	1387.54- 87.98	0.44	0.22	<.01	<.01	<.01	0.000	0.005	0.000	2690.	2710.	TRACE	0.598	ls i vfrac
39	1387.98- 88.11	0.13	0.08	0.02	0.02	<.01	0.003	0.025	0.004	2640.	2710.	0.535	0.148	ls i ppv foss
40	1388.11- 88.27	0.16	0.12	0.02	<.01	<.01	0.003	0.008	0.002	2690.	2710.	TRACE	0.494	ls i foss
-	1388.27- 90.87	2.60	-	-	-	-	-	-	-	-	-	-	-	ls
SP 41	1390.87- 91.10	0.23	-	<.01	-	-	0.000	0.007	0.002	-	2710.	0.000	0.281	ls i
-	1391.10- 91.87	0.77	-	-	-	-	-	-	-	-	-	-	-	ls
SP 42	1391.87- 92.13	0.26	-	0.53	-	-	0.138	0.005	0.000	-	2710.	0.000	0.233	ls i frac
-	1392.13- 93.79	1.66	-	-	-	-	-	-	-	-	-	-	-	ls
SP 43	1393.79- 93.86	0.07	-	<.01	-	-	0.000	0.005	0.000	-	2710.	0.000	0.354	ls i
-	1393.86- 94.63	0.77	-	-	-	-	-	-	-	-	-	-	-	ls
SP 44	1394.63- 94.76	0.13	-	<.01	-	-	0.000	0.005	0.000	-	2710.	0.594	0.126	ls i sty
-	1394.76- 95.00	0.24	-	-	-	-	-	-	-	-	-	-	-	ls

CORE LABORATORIES

Company : PETRO-CANADA INC.
Well : PCI SWEDE E-02

Field : WILDCAT, SWEDE
Formation : SLAVE POINT

File No.: 52131-90-0071
Date : 90-02-05

CORE ANALYSIS FOOTNOTES

SYMBOL	DESCRIPTION
	* Unsuitable for Analysis.

CORE LABORATORIES

CODE KEY - DESCRIPTIONS

a	= Plug from full diameter sample	i	= Intergranular	SCAL	= Removed for special core analysis
anhy	= Anhydrite	incl	= Inclusions	sdv	= Sandy
AST	= Appears similar to	lam	= Laminae (Laminated)	SEM	= Scanning electron microscope analysis
bk	= Break	lmy	= Limy	sh	= Shale
bldr	= Boulder	ls	= Limestone	shy	= Moderately shaly (20-40%)
c	= Coarse	lv	= Large vug	siltst	= Siltstone
calc	= Calcite (areous)	m	= Medium	silty	= Silty
carb	= Carbonaceous	mi	= Mud invaded	SP	= Small plug
cbl	= Cobble	mic	= Micaceous	ss	= Sandstone
CEC	= Cation exchange capacity	mshy	= Moderately shaly (20-40%)	sshy	= Slightly Shaly (<20%)
cem	= Cemented	mv	= Medium vug	sty	= Stylolite (ic)
cgl	= Conglomerate	NA	= Not analysed by request	sulf	= Sulphur
cht	= Chert	NP	= No permeability measurement	sv	= Small vug
coal	= Coal/Coal Inclusion	NR	= Not received	tr	= Trace
dol	= Dolomite	ool	= Oolitic	TS	= Thin section
f	= Fine	OB	= Overburden	uncons	= Unconsolidated
fest	= Ironstone	P	= Preserved for future studies	vfrac	= Vertical fracture
foss	= Fossil (iferous)	pbl	= Pebble	vf	= Very fine
frac	= Fracture	PET	= Removed for petrographic analysis	VOB	= Vertical overburden sample
fri	= Friable	POA	= Portion removed for oil analysis	vshy	= Very shaly (>40%)
glauc	= Glauconite (ic)	ppv	= Pinpoint Vug	VSP	= Vertical small plug
grnl	= Granule	PSA	= Particle size analysis	vug	= Vuggy (ular)
gyp	= Gypsum	pyr	= Pyrite (ic)	ws	= Water sand
hfrac	= Horizontal fracture	pyrbit	= Pyrobitumen	XRD	= X-ray diffraction
hal	= Halite (Salt)	SA	= Sieve Analysis		

CORE LABORATORIES

Company : PETRO-CANADA INC.
Well : PCI SWEDE E-02

Field : WILDCAT, SWEDE
Formation : SLAVE POINT

File No.: 52131-90-0071
Date : 90-02-05

ANALYTICAL PROCEDURES AND QUALITY ASSURANCE

HANDLING & CLEANING

Core Transportation :
Solvent : TOLUENE
Extraction Equipment : VAPOUR PHASE EXTRACTOR
Extraction Time : 5 DAYS
Drying Equipment : GRAVITY OVEN
Drying Time : 2 DAYS
Drying Temperature : 115 DEGREES C.

ANALYSIS

Grain volume measured by Boyle's Law in a modified U.S.B.M. porosimeter using He
Grain volume measured by Boyle's Law in a matrix cup using He
Bulk volume measured by calipering
Bulk volume by Archimedes Principle
Fluid saturations by retort
Core Gamma Spectral

CORE LABORATORIES

Company : PETRO-CANADA INC.
Well : PCI SWEDE E-02

Field : WILDCAT, SWEDE
Formation : SLAVE POINT

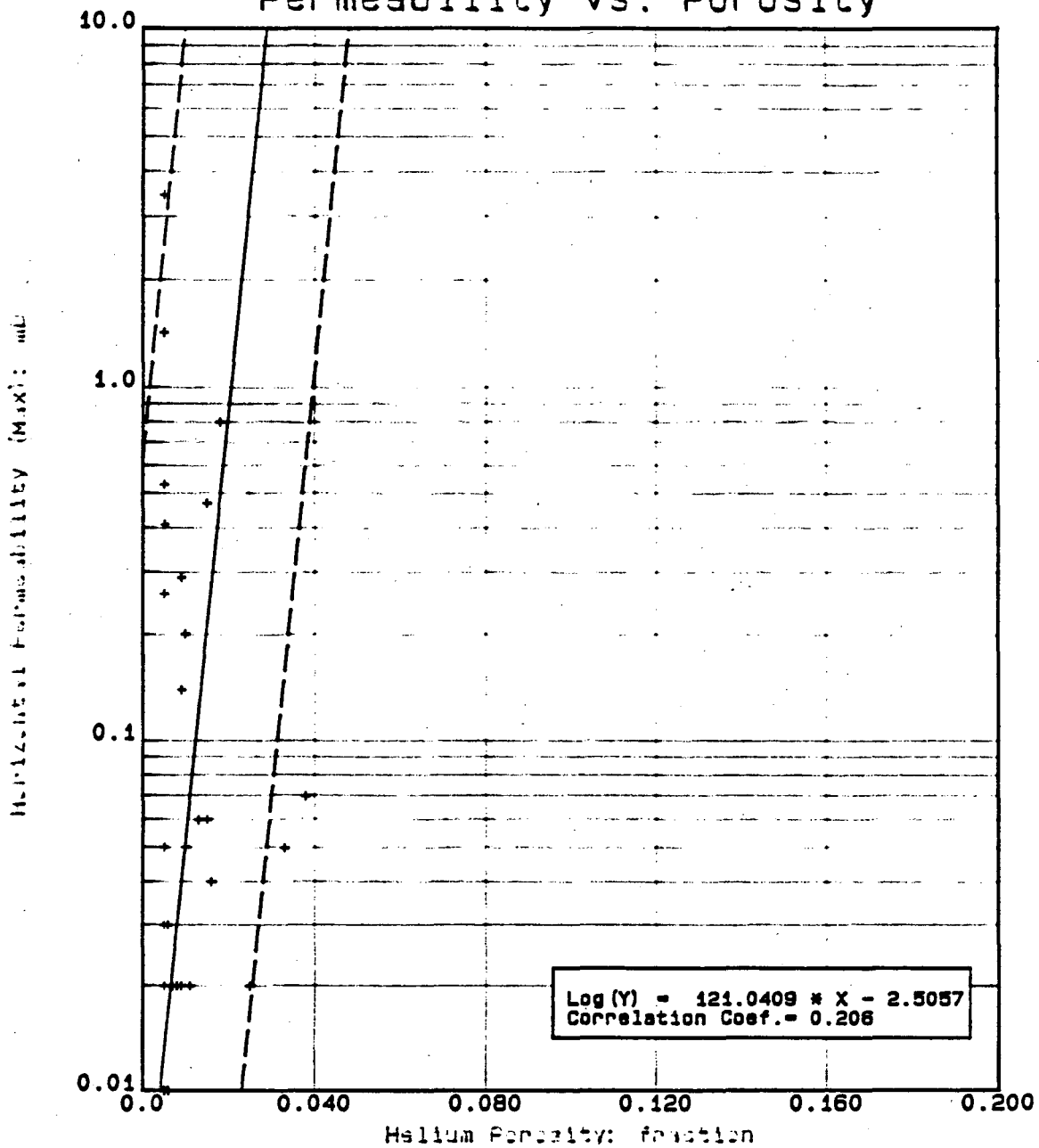
File No.: 52131-90-0071
Date : 90-02-05

TABLE I

SUMMARY OF CORE DATA

ZONE AND CUTOFF DATA		CHARACTERISTICS REMAINING AFTER CUTOFFS			
ZONE:		ZONE:		PERMEABILITY:	
Identification -----	SLAVE POINT	Number of Samples -----	44	Flow Capacity -----	2.09 mD-m
Top Depth -----	1377.00 m	Thickness Represented -	11.96 m	Arithmetic Average ----	0.18 mD
Bottom Depth -----	1395.00 m			Geometric Average ----	0.02 mD
Number of Samples -----	44			Harmonic Average -----	0.00 mD
DATA TYPE:		POROSITY:		Minimum -----	0.00 mD
Porosity -----	(HELIUM)	Storage Capacity -----	0.107 ϕ -m	Maximum -----	3.45 mD
Permeability -----	(MAXIMUM) Kair	Arithmetic Average ----	0.009 frac	Median -----	0.02 mD
		Minimum -----	0.005 frac	Standard Dev. (Geom) --	$K \cdot 10^{\pm 1.056}$ mD
CUTOFFS:		Maximum -----	0.038 frac		
Porosity (Minimum) -----	0.000 frac	Median -----	0.007 frac	HETEROGENEITY (Permeability):	
Porosity (Maximum) -----	1.000 frac	Standard Deviation ----	± 0.008 frac	Dykstra-Parsons Var. --	0.859
Permeability (Minimum) ---	0.0000 mD	GRAIN DENSITY:		Lorenz Coefficient ----	0.835
Permeability (Maximum) ---	100000. mD	Arithmetic Average ----	2705. kg/m3	AVERAGE SATURATIONS (Pore Volume):	
Water Saturation (Maximum)	1.000 frac	Minimum -----	2690. kg/m3	Oil -----	0.257 frac
Oil Saturation (Minimum) -	0.000 frac	Maximum -----	2730. kg/m3	Water -----	0.264 frac
Grain Density (Minimum) --	2000. kg/m3	Median -----	2710. kg/m3		
Grain Density (Maximum) --	3000. kg/m3	Standard Deviation ----	$\pm 11.$ kg/m3		
Lithology Excluded -----	NONE				

Permeability vs. Porosity



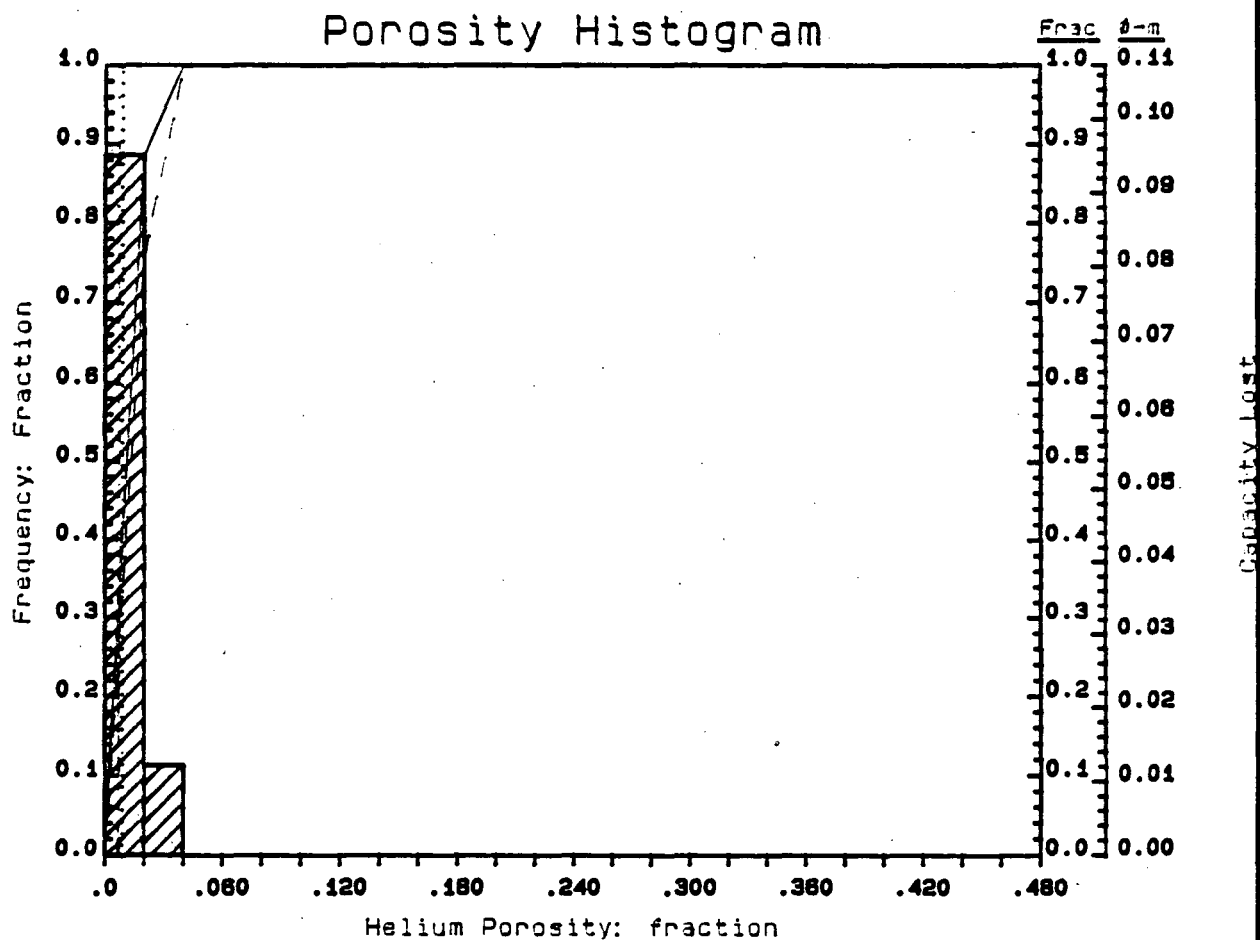
PETRO-CANADA INC.
PCI SWEDE E-02
WILDCAT, SWEDE

SLAVE POINT (1377.00-1395.00 m)

Core Laboratories

- LEGEND -
SLAVE POINT

◆ Deleted



PETRO-CANADA INC.

PCI SWEDE E-02

WILDCAT, SWEDE

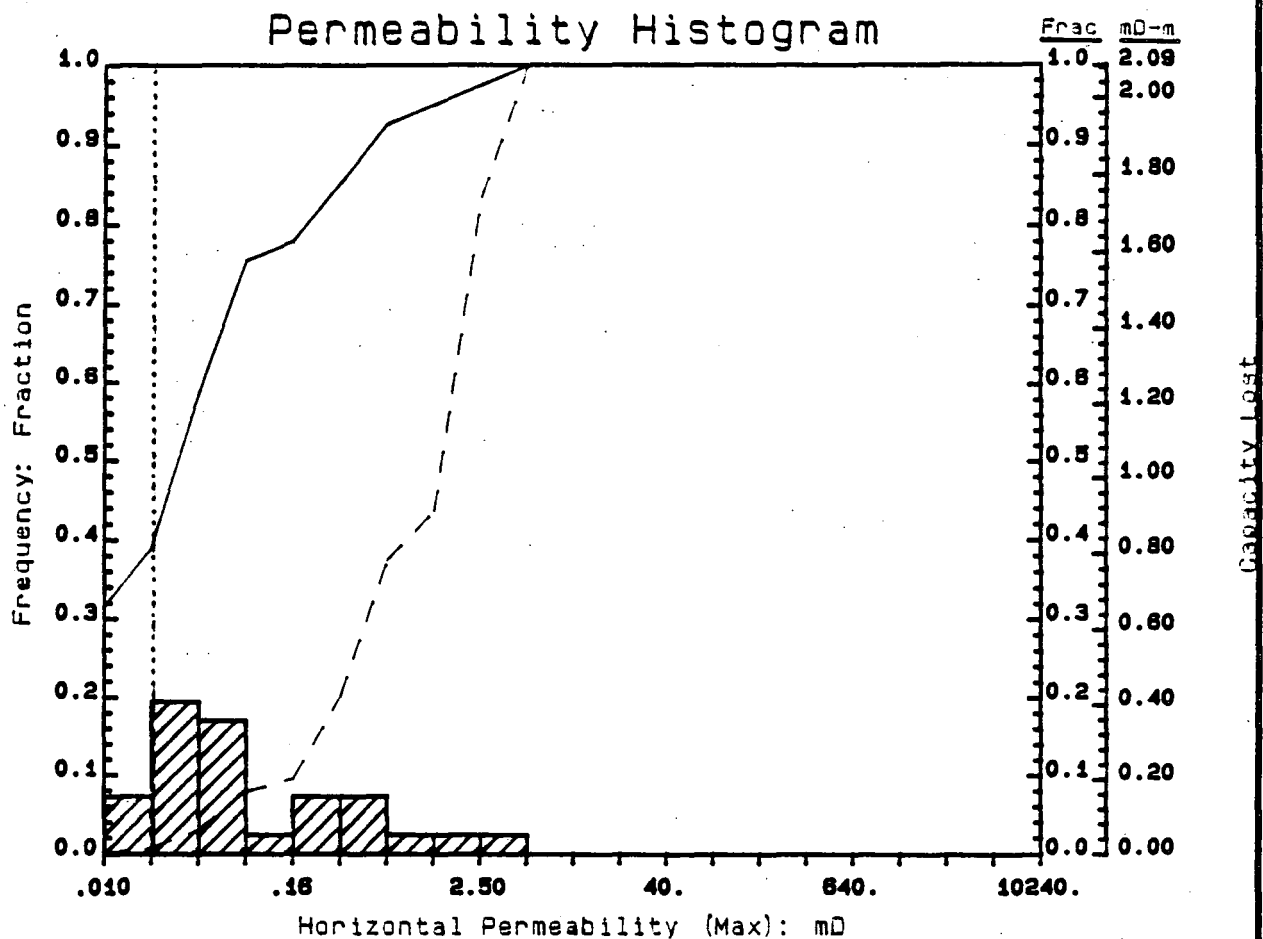
SLAVE POINT (1377.00-1395.00 m)

Core Laboratories

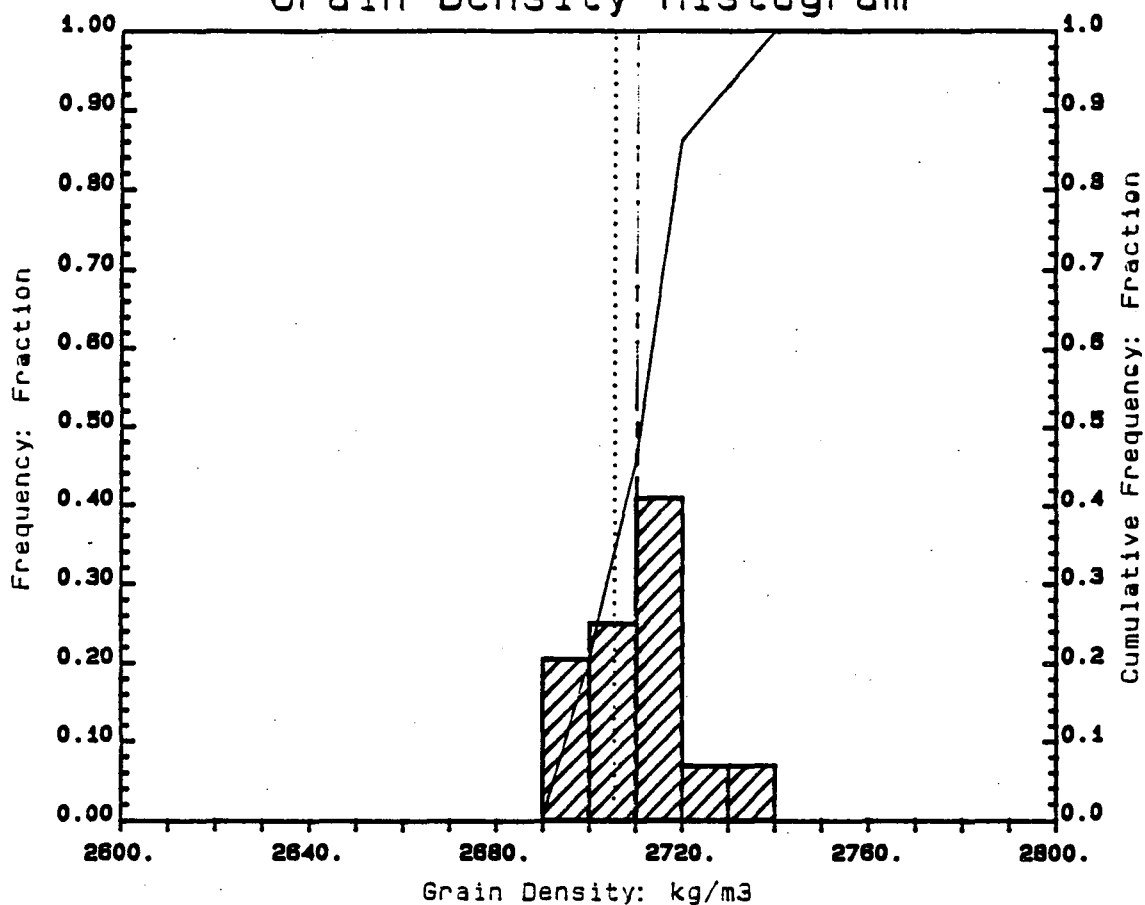
- LEGEND -

- Median Value (0.007)
- Arith. Average (0.009)
- Cumulative Frequency
- - - Cumulative Capacity Lost

44 Samples



Grain Density Histogram



PETRO-CANADA INC.

PCI SWEDE E-02

WILDCAT, SWEDE

SLAVE POINT (1377.00-1395.00 m)

Core Laboratories

- LEGEND -

- Median Value (2710)
- Arith. Average (2705)
- Cumulative Frequency

44 Samples

B) FLUID ANALYSIS

DST SAMPLER DEPLETION AND GAS ANALYSIS

FOR

PETRO-CANADA INC.

File: 52136-90-249

Date: 90 02 19

CORE LABORATORIES

**CORE
LABORATORIES**

DST SAMPLER DEPLETION

<u>BHS</u> CONTAINER IDENTITY		<u>52136-90-249</u> LABORATORY NUMBER	
<u>Petro-Canada Inc.</u> OPERATOR		<u>1 of 3</u> PAGE	
<u>LSD E-02</u> LOCATION	<u>PCI Swede E-02</u> WELL OR SAMPLE LOCATION NAME	<u>805.05</u> KB ELEV.(m) GR ELEV.(m)	
<u>Swede, N.W.T.</u> FIELD OR AREA	<u>Slave Point</u> POOL OR ZONE	<u>Schlumberger</u> SAMPLER	
<u>DST # 1</u> TEST TYPE & NO.		<u>TEST RECOVERY</u>	
<u>Bottomhole</u>			
<u>POINT OF SAMPLE</u>		<u>AMT. & TYPE CUSHION</u>	
<u>PUMPING</u>		<u>MUD RESISTIVITY</u>	
<u>FLOWING</u>		<u>SWAB</u>	
<u>1370.00-</u>	<u>GAS LIFT</u>		
<u>1396.00 mKB</u>	<u>WATER</u>	<u>m³/d</u>	
<u>TEST INTERVALS (metres)</u>	<u>OIL</u>	<u>m³/d</u>	
	<u>GAS</u>	<u>m³/d</u>	
<u>SEPARATOR</u>	<u>RESERVOIR</u>	<u>CONTAINER WHEN SAMPLED</u>	<u>CONTAINER WHEN RECEIVED</u>
		<u>SEPARATOR</u>	
<u>--- PRESSURES, kPa (gauge) ---</u>		<u>--- TEMPERATURES, °C ---</u>	
<u>90 02 09</u>	<u>90 02 09</u>	<u>90 02 09</u>	<u>MD</u>
<u>DATE SAMPLED (Y/M/D)</u>	<u>DATE RECEIVED (Y/M/D)</u>	<u>DATE ANALYZED (Y/M/D)</u>	<u>ANALYST</u>
			<u>REMARKS</u>

DST SAMPLER DEPLETION

The following data was compiled from the Drill Stem Test

Sampler chamber identification number #1

The opening pressure of this tool was kPa @ 22 Degrees C.

The recovery was determined as being:

0 cc of Hydrocarbon Liquid

0 cc of Water

200 mls cc of Drilling Mud

0 Gas Sample(s)

**CORE
LABORATORIES**

DST SAMPLER DEPLETION

BHS CONTAINER IDENTITY		52136-90-249 LABORATORY NUMBER	
Petro-Canada Inc. OPERATOR		2 of 3 PAGE	
LSD E-02 LOCATION	PCI Swede E-02 WELL OR SAMPLE LOCATION NAME	805.05 KB ELEV.(m) GR ELEV.(m)	
Swede, N.W.T. FIELD OR AREA	Slave Point POOL OR ZONE	Schlumberger SAMPLER	
DST # 1 TEST TYPE & NO.		TEST RECOVERY	
Bottomhole			
POINT OF SAMPLE		@ °C	
PUMPING		MUD RESISTIVITY	
FLOWING		SWAB	
GAS LIFT			
1370.00- 1396.00 mKB TEST INTERVALS (metres)	WATER m ³ /d OIL m ³ /d GAS m ³ /d		
SEPARATOR RESERVOIR		SEPARATOR	
CONTAINER WHEN SAMPLED @ °C		CONTAINER WHEN RECEIVED @ °C	
- - - - - PRESSURES, kPa (gauge) - - - - -		- - - - - TEMPERATURES, °C - - - - -	
90 02 09 DATE SAMPLED (Y/M/D)	90 02 09 DATE RECEIVED (Y/M/D)	90 02 09 DATE ANALYZED (Y/M/D)	MD ANALYST
			REMARKS

DST SAMPLER DEPLETION

The following data was compiled from the Drill Stem Test

Sampler chamber identification number #2

The opening pressure of this tool was kPa @ 22 Degrees C.

The recovery was determined as being:

0 cc of Hydrocarbon Liquid

0 cc of Water

180 cc of Drilling Mud

0 Gas Sample(s)

**CORE
LABORATORIES**

G A S A N A L Y S I S

A-7002

CONTAINER IDENTITY

52136-90-249

LABORATORY NUMBER

Petro-Canada Inc.

OPERATOR

3 of 3

PAGE

PCI Swede E-02

805.05

LOCATION

WELL OR SAMPLE LOCATION NAME

KB ELEV. (m) GR ELEV. (m)

Swede, N.W.T.

Slave Point

Schlumberger

FIELD OR AREA

POOL OR ZONE

SAMPLER

DST # 1

TEST TYPE & NO.

TEST RECOVERY

Flare Line

POINT OF SAMPLE

AMT. & TYPE CUSHION

MUD RESISTIVITY @ °C

PUMPING

FLOWING

GAS LIFT

SWAB

1370.00-
1396.00 mKB

WATER

m³/d

OIL

m³/d

GAS

m³/d

TEST INTERVALS (metres)

SEPARATOR

RESERVOIR

@ °C
CONTAINER
WHEN SAMPLED

@ °C
CONTAINER
WHEN RECEIVED

SEPARATOR

--- PRESSURES, kPa (gauge) ---

--- TEMPERATURES, °C ---

90 02 09

90 02 09

90 02 14

MW

DATE SAMPLED (Y/M/D)

DATE RECEIVED (Y/M/D)

DATE ANALYZED (Y/M/D)

ANALYST

REMARKS

COMPONENT	MOLE FRACTION AIR FREE AS RECEIVED	MOLE FRACTION AIR FREE ACID GAS FREE	mL/m ³ AIR FREE AS RECEIVED
H ₂	0.0006		
He	0.0008		
N ₂	0.0819		
CO ₂	0.0193		
H ₂ S	0.0000		
C ₁	0.8695		
C ₂	0.0147		
C ₃	0.0072		26.5
iC ₄	0.0011		4.8
C ₄	0.0022		9.3
iC ₅	0.0006		2.9
C ₅	0.0006		2.9
C ₆	0.0005		2.7
C ₇₊	0.0010		6.8
TOTAL	1.0000		55.9
		C ₅₊	15.3

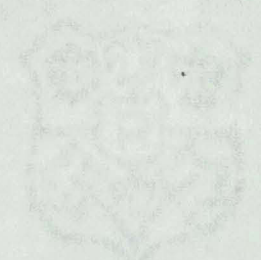
CALCULATED GROSS HEATING VALUE MJ/m ³ @15°C & 101.325 kPa (abs.)		CALCULATED VAPOUR PRESSURE kPa (abs.) @40.0°C
35.41	36.12	67.8
MOISTURE FREE	MOISTURE & ACID GAS FREE	PENTANES PLUS

CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15° C & 101.325 kPa MOISTURE FREE AS SAMPLED		
0.774 kg/m ³	0.632	18.3
DENSITY	RELATIVE DENSITY	RELATIVE MOLECULAR MASS

CALCULATED PSEUDOCRITICAL PROPERTIES AS SAMPLED ACID GAS FREE			
4543.4 kPa (abs)	191.8 K	kPa (abs)	K
pPc	pTc	pPc	pTc

REMARKS

Note: The Gross Heating Value has been calculated in accordance to AGA Report #5 and all Properties have been calculated utilizing GPA 2145-88 physical constants.

Robert
COLONIAL

DST SAMPLER DEPLETION,
OIL AND WATER ANALYSES

FOR

PETRO CANADA INC.

SWEDE

N.W.T.

File: 52136-90-338

Date: 90-04-27

WATER ANALYSIS

Plastic
CONTAINER IDENTITY

52136-90-338
LABORATORY NUMBER

1 of 6
PAGE

Petro-Canada Inc.
OPERATOR

PCI Swede E-02
WELL OR SAMPLE LOCATION NAME

810.10 805.05
KB ELEV. (m) GR ELEV. (m)

Swede, N.W.T.
FIELD OR AREA

Pine Point
POOL OR ZONE

Schlumberger
SAMPLER

DST # 2 780 metres of fluid
TEST TYPE & NO. TEST RECOVERY

Mud Tank @ °C

POINT OF SAMPLE AMT. & TYPE CUSHION MUD RESISTIVITY

PUMPING FLOWING GAS LIFT SWAB

WATER m³/d OIL m³/d GAS m³/d

TEST INTERVALS (metres)

SEPARATOR RESERVOIR CONTAINER WHEN SAMPLED CONTAINER WHEN RECEIVED SEPARATOR

— PRESSURES, kPa (gauge) — — TEMPERATURES, °C —

90 02 20 90 02 20 90 03 01 AM/MF
DATE SAMPLED (Y/M/D) DATE RECEIVED (Y/M/D) DATE ANALYZED (Y/M/D) ANALYST REMARKS

CATIONS

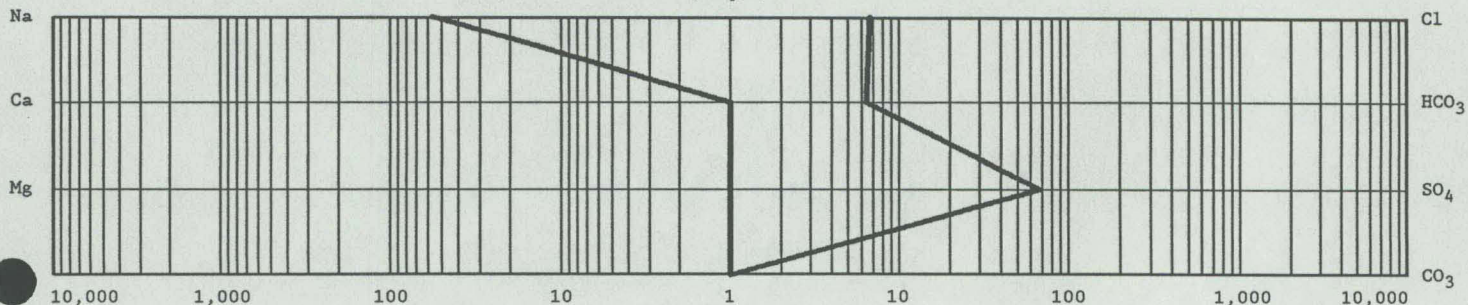
ANIONS

ION	mg/L	mg Fraction	MEQ/L	ION	mg/L	mg Fraction	MEQ/L
Na	1300	.2466	56.5	Cl	237	.0449	6.7
K	12	.0023	0.3	Br			
Ca	21	.0040	1.0	I			
Mg	0	.0000	0.0	HCO ₃	391	.0741	6.4
Ba				SO ₄	3276	.6214	68.2
Sr				CO ₃	36	.0068	1.2
Fe	Not Detected			OH	0	.0000	0.0
				H ₂ S	Not Detected		

TOTAL SOLIDS
(mg/L)

BY EVAPORATION @ 110°C	BY EVAPORATION @ 180°C
	5272
AT IGNITION	CALCULATED
1.0012 @15.6°C	1.3335 @25 °C
SPECIFIC GRAVITY	REFRACTIVE INDEX
8.7	1.587 @25°C
pH	RESISTIVITY(OHM-METRES)

LOGARITHMIC PATTERN OF DISSOLVED IONS
(meq/L)



REMARKS: NaCl equiv. 3357

CORE LABORATORIES

WATER ANALYSIS

Plastic

CONTAINER IDENTITY

52136-90-338

LABORATORY NUMBER

Petro-Canada Inc.

2 of 6

OPERATOR

PAGE

PCI Swede E-02

810.10 805.05

LOCATION

WELL OR SAMPLE LOCATION NAME

KB ELEV.(m) GR ELEV.(m)

Swede, N.W.T.

Pine Point

Schlumberger

FIELD OR AREA

POOL OR ZONE

SAMPLER

DST # 2 780 metres of fluid

TEST TYPE & NO.

TEST RECOVERY

Reversing - 6

@ °C

POINT OF SAMPLE

AMT. & TYPE CUSHION

MUD RESISTIVITY

PUMPING

FLOWING

GAS LIFT

SWAB

WATER

m³/d

OIL

m³/d

GAS

m³/d

TEST INTERVALS (metres)

@ °C

@ °C

SEPARATOR

RESERVOIR

CONTAINER
WHEN SAMPLED

CONTAINER
WHEN RECEIVED

SEPARATOR

--- PRESSURES, kPa (gauge) ---

--- TEMPERATURES, °C ---

90 02 20

90 02 20

90 03 01

AM/MF

DATE SAMPLED (Y/M/D)

DATE RECEIVED (Y/M/D)

DATE ANALYZED (Y/M/D)

ANALYST

REMARKS

CATIONS

ANIONS

ION	mg/L	mg Fraction	MEQ/L
Na	23000	.2158	1000.4
K	910	.0085	23.3
Ca	14135	.1326	705.4
Mg	1447	.0136	119.0
Ba			
Sr			
Fe	Present		

ION	mg/L	mg Fraction	MEQ/L
Cl	66202	.6211	1867.3
Br			
I			
HCO ₃	145	.0014	2.4
SO ₄	755	.0071	15.7
CO ₃	0	.0000	0.0
OH	0	.0000	0.0
H ₂ S	Not Detected		

TOTAL SOLIDS (mg/L)

BY EVAPORATION @ 110°C

BY EVAPORATION @ 180°C

AT IGNITION

106593

CALCULATED

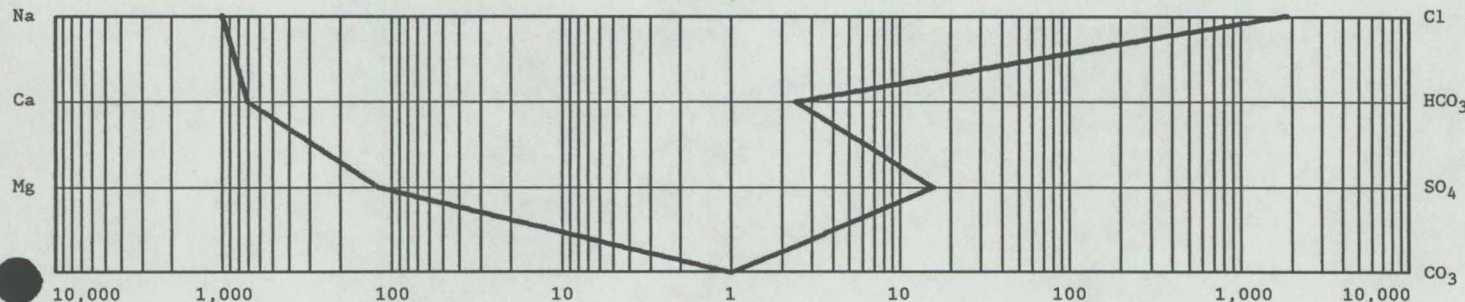
1.0790 @15.6°C
SPECIFIC GRAVITY

1.3530 @25 °C
REFRACTIVE INDEX

5.7
pH

0.071 @25°C
RESISTIVITY(OHM-METRES)

LOGARITHMIC PATTERN OF DISSOLVED IONS (meq/L)



REMARKS: NaCl equiv. 106850

DST SAMPLER DEPLETION

BHS		52136-90-338	
CONTAINER IDENTITY		LABORATORY NUMBER	
Petro-Canada Inc.		3 of 6	
OPERATOR		PAGE	
PCI Swede E-02		810.10 805.05	
LOCATION		KB ELEV. (m) GR ELEV. (m)	
Swede, N.W.T.		Schlumberger	
FIELD OR AREA		SAMPLER	
WELL OR SAMPLE LOCATION NAME		POOL OR ZONE	
Pine Point		SAMPLER	
DST # 2		780 metres of fluid	
TEST TYPE & NO.		TEST RECOVERY	
Bottomhole		@ °C	
POINT OF SAMPLE		MUD RESISTIVITY	
PUMPING		SWAB	
FLOWING		GAS LIFT	
WATER		GAS	
m ³ /d		m ³ /d	
OIL		m ³ /d	
TEST INTERVALS (metres)		m ³ /d	
SEPARATOR		SEPARATOR	
RESERVOIR		RESERVOIR	
CONTAINER WHEN SAMPLED		CONTAINER WHEN RECEIVED	
@ °C		@ °C	
PRESSURES, kPa (gauge)		TEMPERATURES, °C	
90 02 20		90 02 20	
DATE SAMPLED (Y/M/D)		DATE RECEIVED (Y/M/D)	
90 02 20		90 02 20	
DATE ANALYZED (Y/M/D)		MD	
ANALYST		REMARKS	

DST SAMPLER DEPLETION

The following data was compiled from the Drill Stem Test

Sampler chamber identification number 1208

The opening pressure of this tool was 69 kPa @ 22 Degrees C.

The recovery was determined as being:

200mls cc of Hydrocarbon Liquid

0 cc of Water

0 cc of Drilling Mud

0 Gas Sample(s)

**CORE
LABORATORIES**

WATER ANALYSIS

Plastic
CONTAINER IDENTITY

52136-90-338
LABORATORY NUMBER

Petro-Canada Inc.
OPERATOR

4 of 6
PAGE

PCI Swede E-02
WELL OR SAMPLE LOCATION NAME

810.10 805.05
KB ELEV. (m) GR ELEV. (m)

Swede, N.W.T.
FIELD OR AREA

Pine Point
POOL OR ZONE

Schlumberger
SAMPLER

DST # 2 780 metres of fluid
TEST TYPE & NO. TEST RECOVERY

Bottomhole Sampler

POINT OF SAMPLE

PUMPING FLOWING

AMT. & TYPE CUSHION MUD RESISTIVITY

GAS LIFT SWAB

WATER m³/d OIL m³/d GAS m³/d

TEST INTERVALS (metres)

SEPARATOR RESERVOIR

CONTAINER WHEN SAMPLED CONTAINER WHEN RECEIVED

SEPARATOR

--- PRESSURES, kPa (gauge) --- TEMPERATURES, °C ---

90 02 20 90 02 20 90 03 01 AM/MF
DATE SAMPLED (Y/M/D) DATE RECEIVED (Y/M/D) DATE ANALYZED (Y/M/D) ANALYST

REMARKS

CATIONS

ANIONS

ION	mg/L	mg Fraction	MEQ/L
Na	26000	.2162	1130.9
K	1000	.0083	25.6
Ca	15114	.1257	754.2
Mg	1691	.0141	139.1
Ba			
Sr			
Fe	Present		

ION	mg/L	mg Fraction	MEQ/L
Cl	75082	.6244	2117.8
Br			
I			
HCO ₃	146	.0012	2.4
SO ₄	1215	.0101	25.3
CO ₃	0	.0000	0.0
OH	0	.0000	0.0
H ₂ S	Not Detected		

TOTAL SOLIDS
(mg/L)

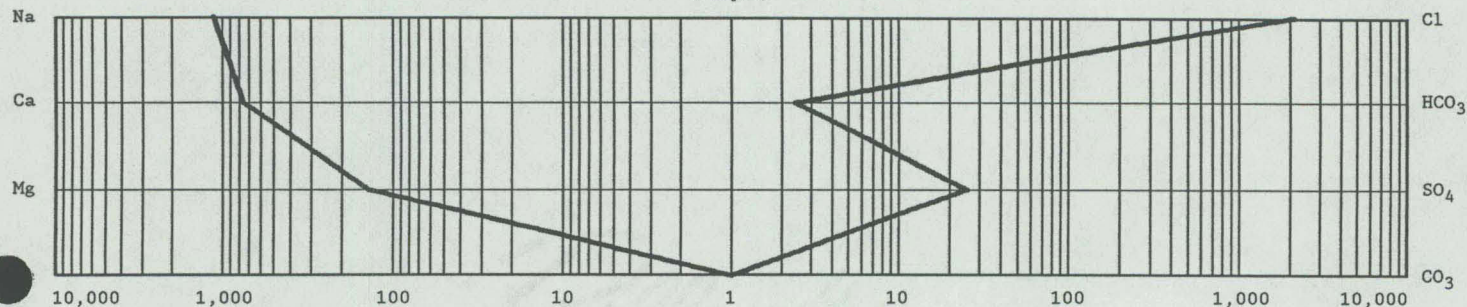
BY EVAPORATION @ 110°C BY EVAPORATION @ 180°C

AT IGNITION 120248
CALCULATED

1.0900 @15.6°C 1.3558 @25 °C
SPECIFIC GRAVITY REFRACTIVE INDEX

5.5 0.070 @25°C
pH RESISTIVITY(OHM-METRES)

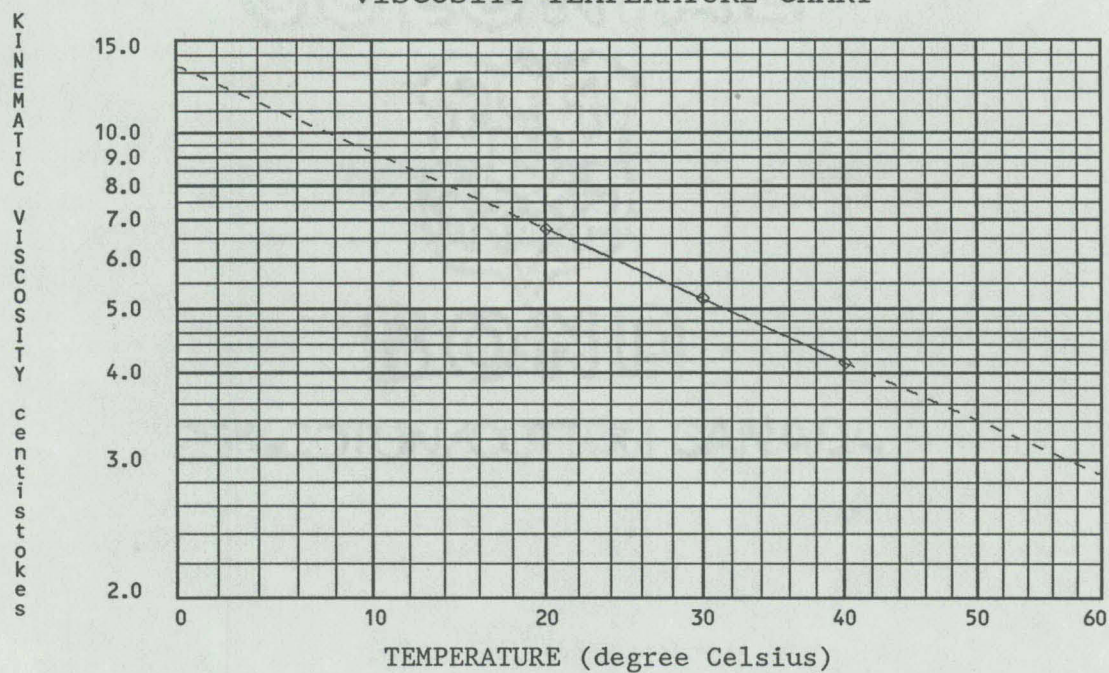
LOGARITHMIC PATTERN OF DISSOLVED IONS
(meq/L)



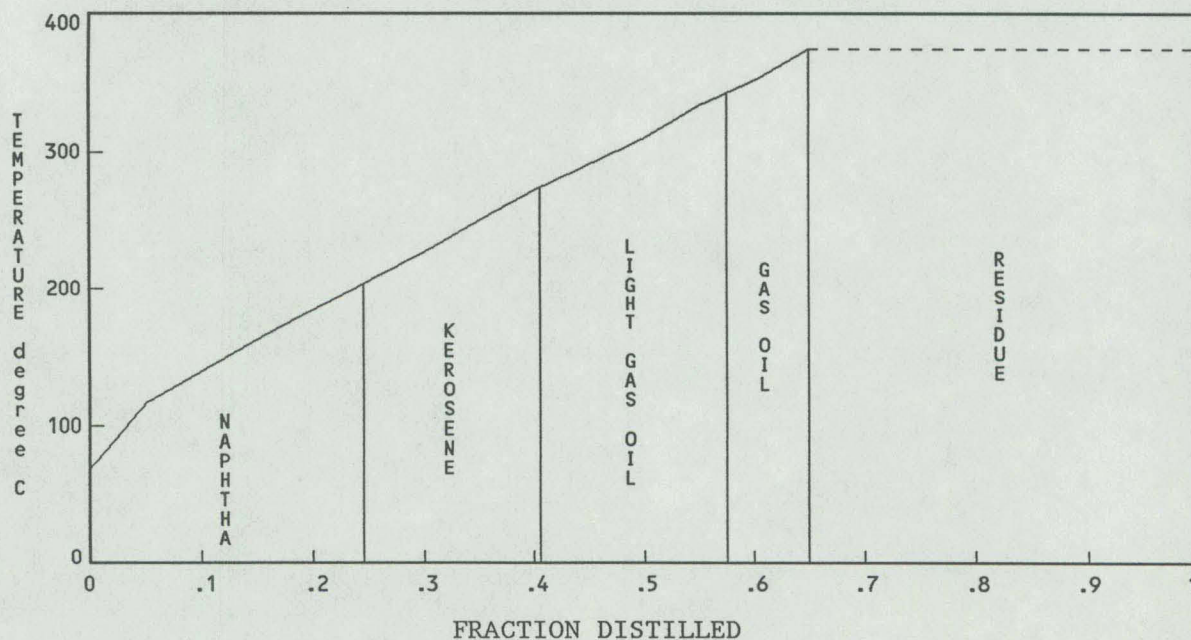
REMARKS: NaCl equiv. 120469

Company Name : Petro-Canada Inc.
Well Name : PCI Swede E-02
Location :
Sampled from : Bottomhole Sampler
Sampling Date: 90 02 20

VISCOSITY-TEMPERATURE CHART



ASTM DISTILLATION SUMMARY



C) LOG ANALYSIS

Petro-Canada
Note de serv.
Internal memorandum

To / À: F. Calverley CC: J. Bever
L. Cotterill
D.A. McDonald
From / De: R. VanAppelen
Date / Date: February 12, 1990 Ref. / Réf.:
Subject / Objet: Formation Evaluation, Swede E-02

Logs were received and evaluated February 11, 1990. Zones of interest were the Cretaceous sand, the Devonian Slave Point and Keg River.

CRETACEOUS SAND Rw = 0.2

<u>Interval</u>	<u>h(m)</u>	<u>Phie</u>	<u>RILD</u>	<u>Rwa</u>	<u>Sw</u>	<u>Comments</u>
565-67	2.0	.30	3	.34	0.78	Had gas shows

SLAVE POINT Rw = 0.036

1372.8-73.8	1.0	.035	100+	.12	0.54	Tested gas DST No. 1
-------------	-----	------	------	-----	------	-------------------------

KEG RIVER Rw = 0.03

1463-72	1.0	<.03	--	--	--	Three thin porous zones with associated gas increases. Could not be resolved by logs.
1481.8-83	1.2	.11	11	.13	0.48	Looked water- productive but had gas shows. Had ML develop- ment.

Recommended testing 1477-1487m to produce fluids from porous Keg River. Many produce hydrocarbons (with water) to support SDA application.



R. VanAppelen
RVA/mln

DATABASE = /best/database/DICK.db

Mode record = 300N456010120450

Username = RVA

time dumped = Mon Apr 30 10:48:59 1990

type = CONSTANTS

name = JEAN MARIE

CONSTANTS

VALUES

A	1
CALIM	225
CLIP_PHI	0.2
GRO	10
GR100	120
M	2
MWT	1100
N	2
PESH	3.5
PHIMAX	0.3
PHINO	0
PHINMA	0
PHINSH	0.33
PHIXSW	0.06
RHOF	1000
RHOHY	800
RHOLIM	100
RHOMA	2710
RHOSH	2607
RHOW	1000
RW	0.03
RWT	59
VSEMAX	0.2

DATABASE = /best/database/DICK.db
Mode record = 300N456010120450
Username = RVA

time dumped = Mon Apr 30 10:49:35 1990

type = ROUTINES

name = PHI DENSITY

ALGORITHM NAME	SWITCH VAL UE OR VARI	PUT RESULT IN	C
/START	ON	ALWAYS ON DOES HOUSEKEEPING	
/VSH GR	ON	GR SHALE	
/VSH SP	OFF	SP SHALE	
/VSH XSD	OFF	SONIC-DENSITY VSH	
/VSH XND	OFF	NEUTRON-DENSITY VSH	
/VSHBAL	ON	MATERIALS BALANCE EQUATION	
/VSH CLAVIER CORR	OFF	CLAVIER CORRECTION	
/DENS	OFF	calculates density from phi	
/DENSC	ON	SHALE CORRECTED DENS	
/PHINC	ON	SHALE CORRECT NEUTRON	
/PHIXND	ON	NEUTRON DENSITY POROSITY	
/CLIP PHI	ON	VSH cutoff for porosity	
/FIND BADHOLE FROM CAL	ON	FIND WASHOUTS, HIGH DRHO	
/IF BADHOLE ZERO PHI	ON	SET PHI=0 IN BAD HOLE	
/PHIBAL	ON	MATERIALS BALANCE FOR PHI	
?FT	ON	RW AT FORMATION TEMPERATURE	
ARCHIE	ON	ARCHIE WATER SATURATION	
/SW SIM	OFF	SIMANDOUX WATER SATURATION	
/SW DW	OFF	DUAL WATER SW	
/SW WAX-SMITH	OFF	WAXMAN SMITS WATER SATURATI	
/SWSMTH	ON	SW BALANCE AND SMOOTHING	
/PHIXSW	ON		
/RMF@FT	OFF	RMF AT FORMATION TEMPERATUR	
/SXO ARCHIE	OFF	SXO FROM ARCHIE	
/SXO SIM	OFF	SXO FROM SIMANDOUX	
/SXO WAX-SMITH	OFF	SXO FROM WAXMAN SMITS	
/SXOSMTH	OFF	SXO BALANCE AND SMOOTHING	
/PHIXSXO	OFF		
/PERM CORE	OFF	PERMEABILITY FROM POROSITY	

PETROLOG HYDROCARBON SUMMARY

PAGE : 1

WELL :300N456010120450
 LOCATION:60 4'58.62"N 120 53'34.34"
 POOL :ISLAND LAKE
 FORMATION :JEAN MARIE

DATE :Mon Apr 30 1990
 USER :RVA

TOP DEPTH: 1387.0000

BOTTOM DEPTH: 1416.0000

CUTOFFS USED:

POROS	WATER	SHALE		NET	
(frc)	SAT f	VOL f		METRES	

AVERAGE:

POROSITY	WATER SAT	SHALE VOL	
fraction	fraction	fraction	

CUMULATIVE :

POROSITY	HYDROCARB
X METRES	X METRES

0.100	1.000	0.300		0.00		0.000	0.000	0.000		0.000	0.000
0.020	0.600	0.200		0.88		0.037	0.467	0.002		0.033	0.017
0.020	1.000	0.200		3.63		0.031	0.736	0.014		0.112	0.030
0.030	0.500	0.200		0.88		0.037	0.467	0.002		0.033	0.017

DATABASE = /best/database/DICK.db

Mode record = 300N456010120450

Username = RVA

time dumped = Mon Apr 30 09:08:58 1990

type = CONSTANTS

name = MISSISSIPPIAN

CONSTANTS

VALUES

A	1
CALIM	225
CLIP_PHI	0.3
GRO	15
GR100	150
M	2
MWT	1100
N	2
PESH	3.5
PHIMAX	0.3
PHINO	0
PHINMA	0
PHINSH	0.4
PHIXSW	0.06
RHOF	1000
VHY	800
ALIM	100
RHOMA	2650
RHOSH	2200
RHOW	1000
RW	0.4
RWT	15
VSEMAX	0.3

DATABASE = /best/database/DICK.db
 Mode record = 300N456010120450
 Username = RVA

time dumped = Mon Apr 30 09:09:31 1990

type = ROUTINES

name = PHI DENSITY

ALGORITHM NAME	SWITCH VAL UE OR VARI	PUT RESULT IN	C
/START	ON	ALWAYS ON DOES HOUSEKEEPING	
/VSH GR	ON	GR SHALE	
/VSH SP	OFF	SP SHALE	
/VSH XSD	OFF	SONIC-DENSITY VSH	
/VSH XND	OFF	NEUTRON-DENSITY VSH	
/VSHBAL	ON	MATERIALS BALANCE EQUATION	
/VSH CLAVIER CORR	OFF	CLAVIER CORRECTION	
/DENS	OFF	calculates density from phi	
/DENS C	ON	SHALE CORRECTED DENS	
/PHINC	ON	SHALE CORRECT NEUTRON	
/PHIXND	ON	NEUTRON DENSITY POROSITY	
/CLIP PHI	ON	VSH cutoff for porosity	
/FIND BADHOLE FROM CAL	ON	FIND WASHOUTS, HIGH DRHO	
/IF BADHOLE ZERO PHI	ON	SET PHI=0 IN BAD HOLE	
/PHIBAL	ON	MATERIALS BALANCE FOR PHI	
/RMF@FT	ON	RW AT FORMATION TEMPERATURE	
/ARCHIE	ON	ARCHIE WATER SATURATION	
/SW SIM	OFF	SIMANDOUX WATER SATURATION	
/SW DW	OFF	DUAL WATER SW	
/SW WAX-SMITH	OFF	WAXMAN SMITS WATER SATURATI	
/SWSMTH	ON	SW BALANCE AND SMOOTHING	
/PHIXSW	ON		
/RMF@FT	OFF	RMF AT FORMATION TEMPERATUR	
/SXO ARCHIE	OFF	SXO FROM ARCHIE	
/SXO SIM	OFF	SXO FROM SIMANDOUX	
/SXO WAX-SMITH	OFF	SXO FROM WAXMAN SMITS	
/SXOSMTH	OFF	SXO BALANCE AND SMOOTHING	
/PHIXSXO	OFF		
/PERM CORE	OFF	PERMEABILITY FROM POROSITY	

PETROLOG HYDROCARBON SUMMARY

PAGE : 1

WELL :300N456010120450
 LOCATION:60 4'58.62"N 120 53'34.34"
 POOL :ISLAND LAKE
 FORMATION :SANDSTONE

DATE :Mon Apr 30 1990
 USER :RVA

TOP DEPTH: 570.0000

BOTTOM DEPTH: 640.0000

CUTOFFS USED:

AVERAGE:

CUMULATIVE :

POROS (frc)	WATER SAT f	SHALE VOL f		NET METRES		POROSITY fraction	WATER SAT fraction	SHALE VOL fraction		POROSITY X METRES	HYDROCARB X METRES
0.100	1.000	0.300		5.63		0.185	0.920	0.086		1.039	0.083
0.100	0.600	0.300		0.00		0.000	0.000	0.000		0.000	0.000

[illegible]

PETRO CANADA

PETROLOG

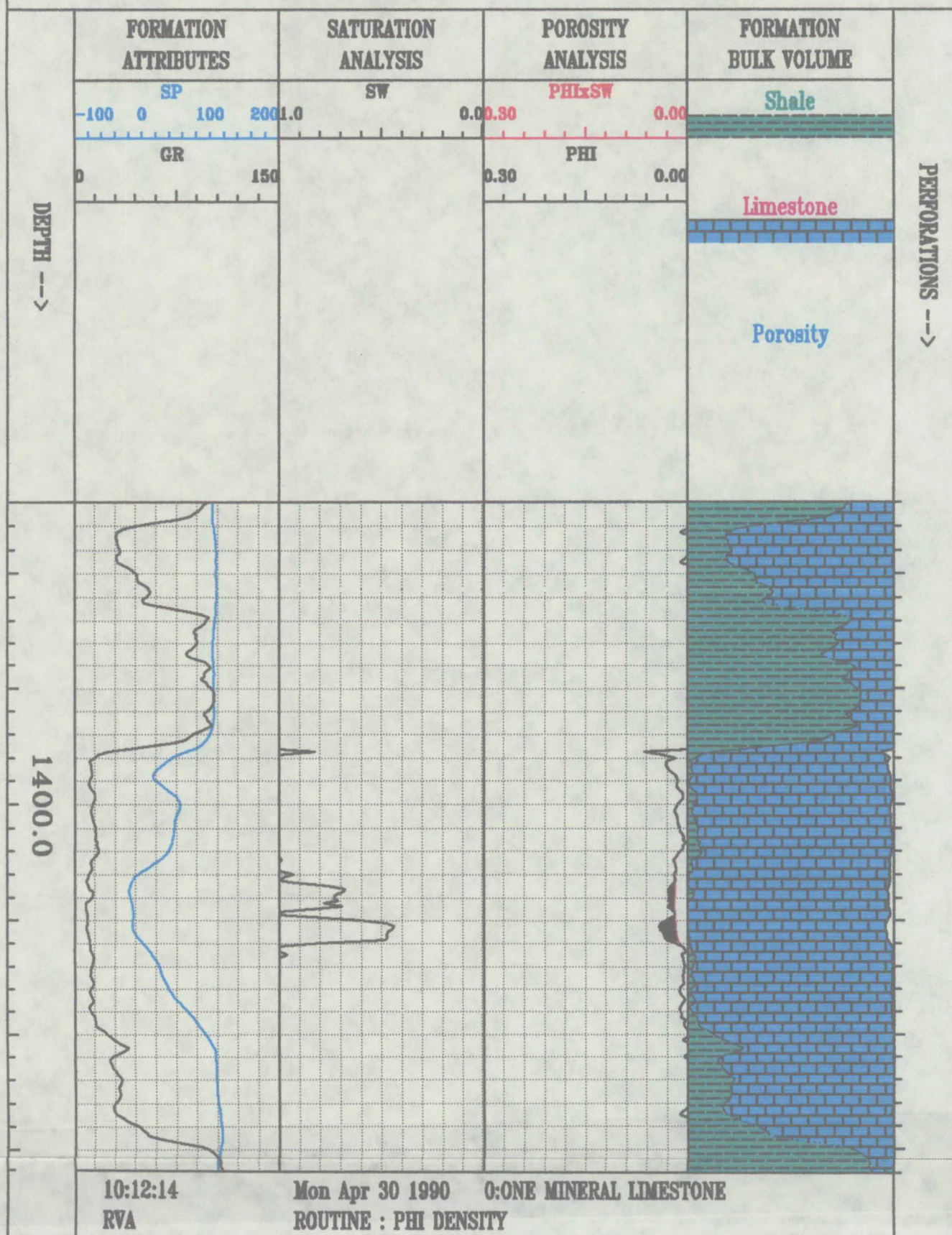
PCI

WELL: 300N456010120450

LOCATION: 60 4'58.62"N 120 53'34.34"

DEPTH: 1387.0000 - 1416.0000

DATE LOGGED: 7 MAR 90



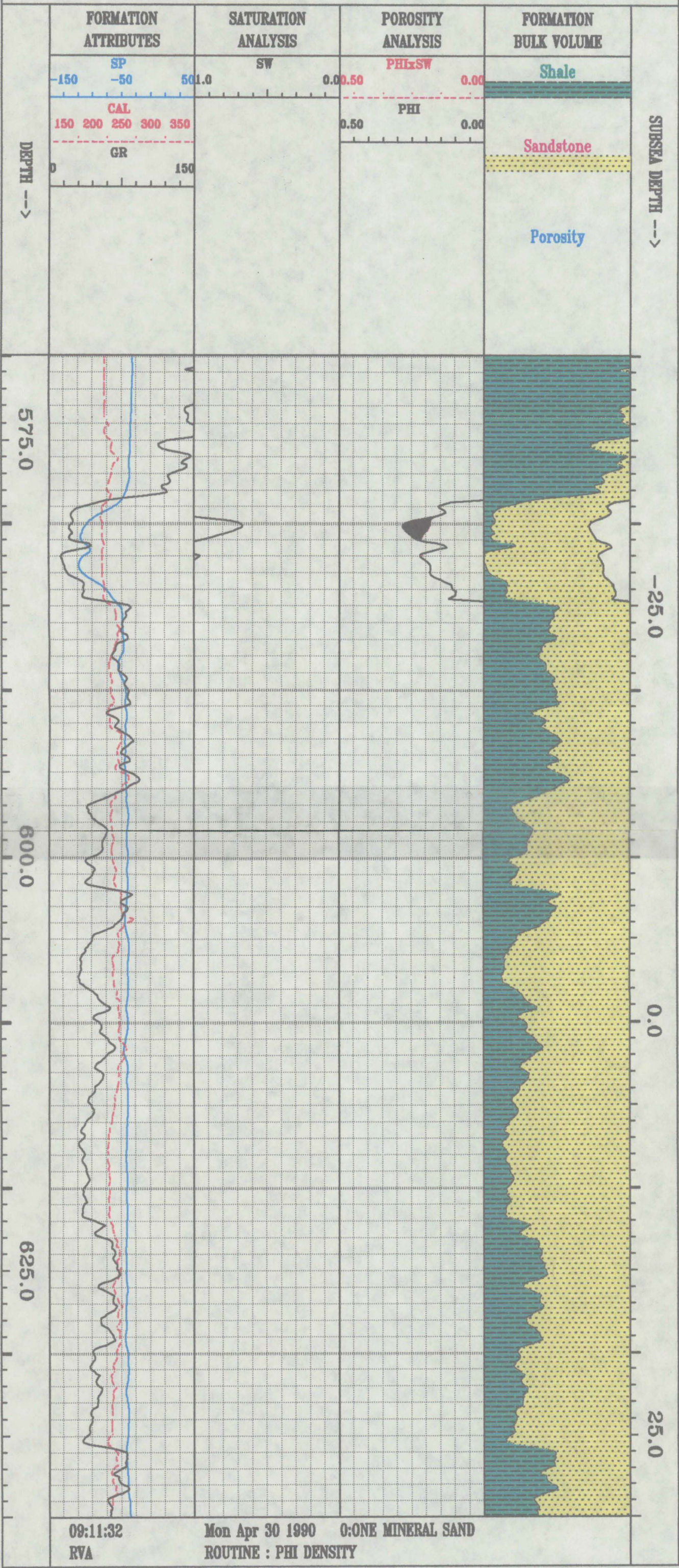
PETRO CANADA

PETROLOG

PCI

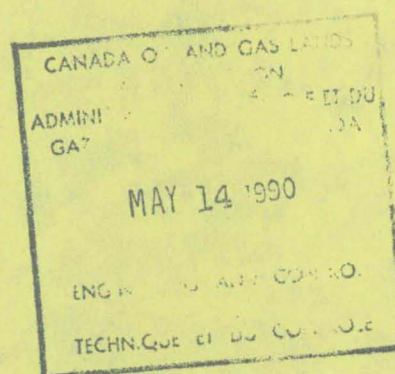
WELL: 300N456010120450
LOCATION: 60 4'58.62"N 120 53'34.34"
DEPTH: 570.0000 - 640.0000

DATE LOGGED: 7 MAR 90



CALGARY COPY

FINAL WELL REPORT
PETRO-CANADA SWEDE E-02



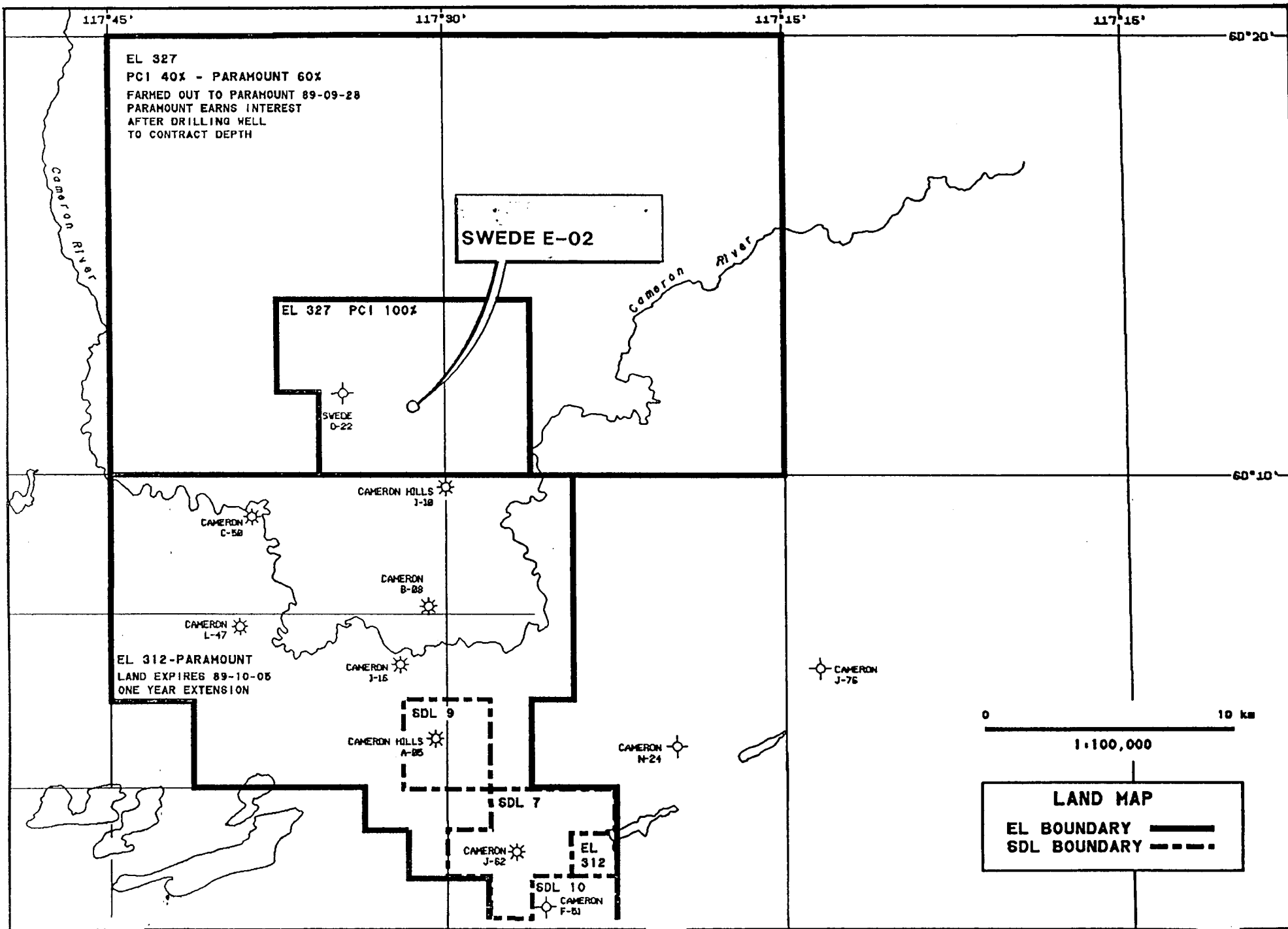
COMPILED BY:
PETRO-CANADA INC.
EXPLORATION OPERATIONS GROUP
CALGARY, ALBERTA
MAY, 1990

J.L. COTTERILL, MANAGER
EXPLORATION OPERATIONS

WELL HISTORY REPORT

PETRO-CANADA SWEDE E-02

PART I	ENGINEERING SUMMARY
PART II	GEOLOGICAL SUMMARY
PART III	WELLSITE GEOLOGICAL REPORT
PART IV	MUDLOGGING REPORT
PART V	DRILL STEM TESTING REPORTS A) DST #1 CLOSED CHAMBER TEST REPORT B) DST #1 DST REPORT C) DST #1 ANALYSIS D) DST #2 CLOSED CHAMBER TEST REPORT E) DST #2 DST REPORT
PART VI	ANALYSES A) CORE ANALYSIS B) FLUID ANALYSIS C) LOG ANALYSIS
APPENDIX	A) PETROLOG B) MUDLOG C) GEOLOGICAL STRIP LOG



FINAL WELL REPORT

PCI SWEDE E-02

Prepared by:

Brian Hebert
1990-03-20

FINAL WELL REPORT

A) INTRODUCTION

1. Summary
2. Location Map

B) GENERAL DATA

1. Well Name and Number
2. Exploration Agreement Number
3. Well Location
4. Unique Well Identifier
5. Operator and Drilling Contractor
6. Drilling Unit
7. Position Keeping
8. Support Craft
9. Drilling Unit Performance
10. Difficulties and Delays

C) SUMMARY OF DRILLING OPERATIONS

1. Elevations
2. Total Depth
3. Date Spudded
4. Date Drilling Completed
5. Date of Rig Release
6. Well Status
7. Hole Sizes and Depth
8. Casing and Cementing Record
9. Sidetracked Hole
10. Drilling Fluids
11. Fishing Operations
12. Well Kicks
13. Formation Leak-Off Tests
14. Time Breakdown
15. Deviation Survey
16. Abandonment Plugs
17. Composite Well Record

APPENDIX

Drilling Data

1. Deviation Log
2. Wellbore Schematic
3. Well Termination Record

FINAL WELL REPORT

A. INTRODUCTION

1. Summary

PCI Swede E-02 was the first of two wells drilled by Petro-Canada during 1990 in the N.W.T. The primary objective was the Slave Point formation and the Pine Point formation was a secondary objective.

The location co-ordinates for this well are 60°11' 26.029" North Latitude, 117° 31' 24.727" West Longitude.

Petro-Canada Incorporated of Calgary operated the well. Hi-Tower Drilling, the Contractor, used Hi-Tower Rig #2 (diesel mechanical) to drill this well.

The well was drilled to a total depth of 1527 m. Drilling operations, including evaluation and abandonment, were completed in 29.4 days.

Conductor casing - 339.7 mm, 81.1 kg/m, K-55, ST&C - was set at 24 m with a rat hole rig and cemented.

PCI Swede E-02 was spudded on 1990-01-19 at 1500 hours with Hi-Tower Rig #2. A 311.2 mm hole was drilled to 416 m. Surface casing - 244.5 mm, 48.07 kg/m, H-40, ST&C - was set at 416 m and cemented with 15 tonnes of Class "G" + 1% CaCl₂ and 20 tonnes of Class "G" + 2% CaCl₂.

A 222.2 mm hole was drilled using a gel-chemical drilling fluid system. At 1377 m, an 18 m (200 mm) core was cut in the Slave Point.

After reaming the cored interval, a DST was performed in the Slave Point formation.

The well was then drilled to 1527 m. The well was open-hole logged and one DST was performed in the Pine Point formation.

The well was plugged and abandoned and rig released on 1990-02-17 at 2359 hours.

L - 2

270° 32' 32"
433.26

N. 6672668.16
E. 470972.02

Sta. E-2-4
I. bar & B.T.s

Fd. S.P. Tag
No. 220
Ln. 8093

Muskeg
covered with spruce up to
10 cm in diameter

Fd. S.P. Tag
No. 222
Ln. 8093

E - 2

F - 12

N

PROPOSED
ACCESS ROAD

Sta. E-2-5
I. bar & B.T.s

CAMP SITE
OFFSITE SUMP
AND
BORROW PIT

Seismic Line
No. 8093

SCALE: 1:2500
DATE: JAN. 11 / 90

PETRO-CANADA INC.

SKETCH PLAN SHOWING
SHOT POINTS IN VICINITY OF
WELL SITE "PCI SWEDE E-02"
GRID AREA 60°20' 117°30' N.W.T.

McElhannay Land Surveys

PCI SWEDE E-02

B. GENERAL DATA

1. Well Name and Number: PCI Swede E-02
Grid Area: 60°20', 117°30'
2. Exploration Agreement Number: E.L. 327
3. Well Location: North Latitude: 60°11' 26.029"
West Longitude: 117°31' 24.727"
4. Unique Well Identifier: 300E026020117300
5. Operator: Petro-Canada Incorporated
P.O. Box 2844
Calgary, Alberta
T2P 3E3

Contractor: Hi-Tower Drilling
1600, 300-5th Avenue S.W.
Calgary, Alberta
6. Drilling Unit: Hi-Tower Rig #2
Diesel Mechanical
7. Position Keeping: Not applicable to this well.
8. Support Craft: Not applicable to this well.
9. Drilling Unit Performance: Not applicable to this well.
10. Difficulties and Delays: No difficulties or delays were encountered that were not directly associated with downhole operations.

PCI SWEDE E-02

C. SUMMARY OF DRILLING OPERATIONS

- | | | | |
|----|--------------------------|-------------------------|----------|
| 1. | Elevations: | Ground: | 805.05 m |
| | | Kelly Bushing: | 810.10 m |
| 2. | Total Depth: | Drilled: | 1527 m |
| | | Logged: | 1527 m |
| 3. | Date and Hour Spudded: | 1990-01-19 - 1500 hours | |
| 4. | Date Drilling Completed: | 1990-02-10 - 0935 hours | |
| 5. | Date of Rig Release: | 1990-02-17 - 2359 hours | |
| 6. | Well Status: | Abandoned | |

7. Hole Sizes and Depths:

Class	Bit Numbers	Size (mm)	Depth (m)		Meters Drilled	Remarks
			In	Out		
Surface	1A	311.2	0	266	266	
	2A	311.2	266	416	150	
Main	1	222.2	416	843	427	Core Ream 18 m Condition Mud
	2	222.2	843	1104	261	
	3	222.2	1104	1377	273	
	4	200.0	1377	1395	18	
	5RR	222.2	1395	1396	1	
	6RR	222.2	1396	1396	0	
	7	222.2	1396	1527	131	

8. Casing and Cementing Details

<u>Hole Classification</u>	<u>Conductor</u>	<u>Surface</u>	<u>Main</u>
Hole Size : (mm)	444.5	311.2	222.2
Casing Size: (mm)	339.7	244.5	Abandoned
Weight: (kg/m)	81.1	48.07	
Grade:	K-55	H-40	
Coupling:	ST&C	ST&C	
Number of Joints:	2	33	
Number of Centralizers		6	
Date of Run:	90-01-17	90-01-22	
Shoe Depth: (m)	24	416	
Tonnes of Cement:		35	
Type of Cement:	Class "G"	Class "G"	
Additives:	3% CaCl ₂	1-2% CaCl ₂	
Height of Cement:	Surface	Surface	
Based on:	Returns	Returns	

9. Sidetracked Hole - None10. Drilling Fluids

The surface hole to 416 m was drilled using a gel/lime slurry. The main hole to T.D. at 1527 m was drilled using a gel/chemical system.

Summary of Mud Properties

<u>Section</u>	<u>Interval (m)</u>	<u>Weight (kg/m³)</u>	<u>Funnel Vis (s/l)</u>	<u>Water Loss (Avg. cm³)</u>	<u>pH (Avg)</u>	<u>Cl- (10³mg/l)</u>
Conductor	0-24	-	-	-	-	-
Surface	24-416	1180	90	-	10	-
Main	416-1527	1100	52	8.0	10	0.4

11. Fishing Operations - None12. Well Kicks - None

13. Formation Leak-Off Tests

A formation integrity test was run on 1990-01-24 after drilling out the surface casing shoe at 416 m and drilling to 421 m. Water was used for this test (4081 kPa hydrostatic at shoe) and a surface pressure of 5071 kPa was held for minutes with no formation breakdown. The total pressure at the shoe (9152 kPa) is equivalent to a leak-off gradient of 22.0 kPa/m (2243 kg/m³) EMD).

14. Time Breakdown

	<u>Surface</u>	<u>Main</u>	<u>Total</u>
Drill	34.50	193.75	228.25
Trip	18.75	149.75	168.50
Ream/Clean	4.00	3.25	7.25
Conditioning	7.75	70.25	78.00
Rig Service	1.50	13.50	15.00
Mech. Downtime	8.00	13.75	21.75
Survey	4.00	6.25	10.25
CSG-CMT-WOC	11.25	6.50	17.75
Head up/P Test	13.75	59.00	62.75
Coring		6.50	6.50
Logging		18.00	18.00
DST		48.50	48.50
W.O.O.		21.50	21.50
Abandonment		16.00	16.00
TOTAL	103.50	626.50	730.00

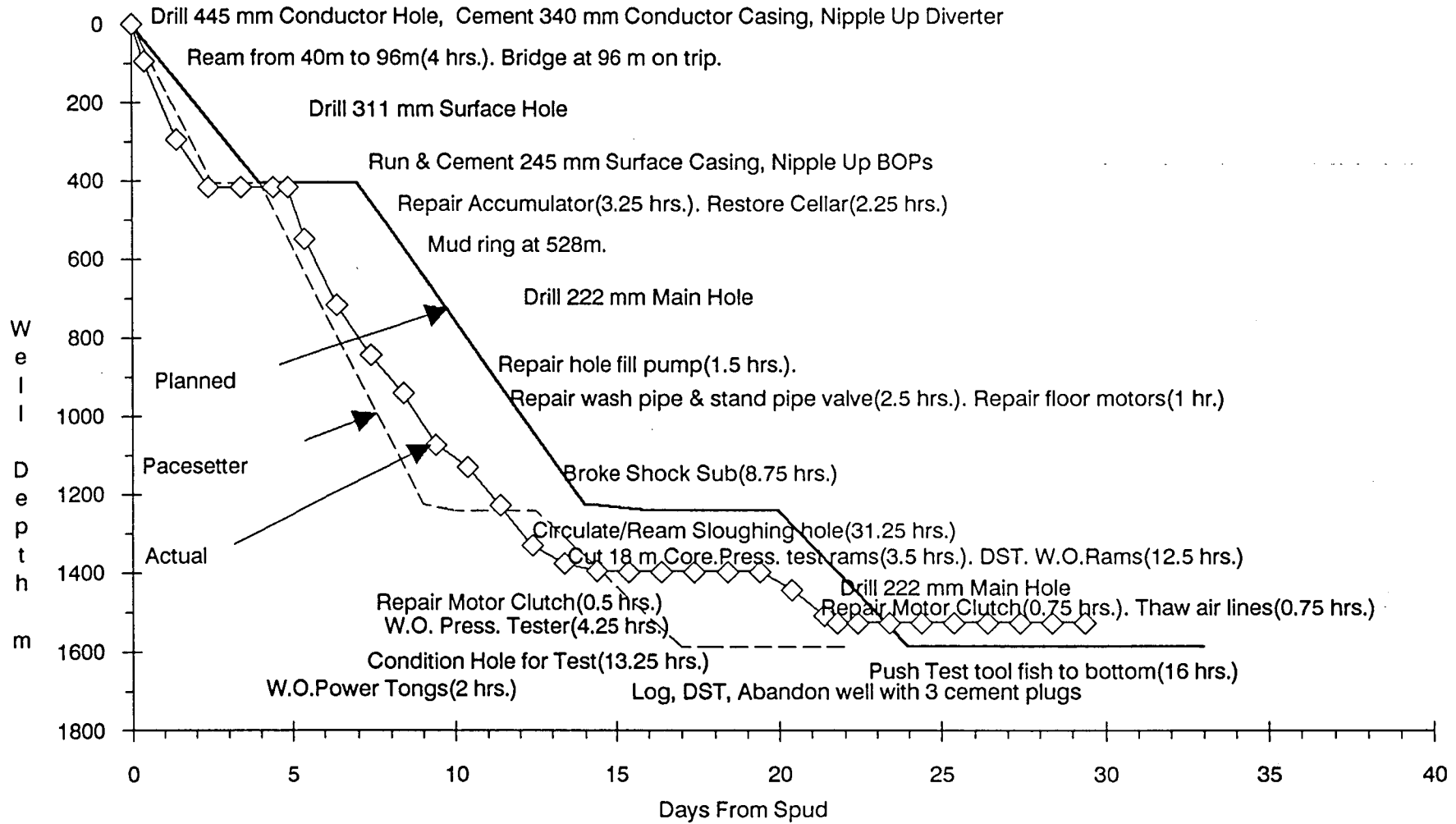
15. Deviation Survey

No directional survey was made of this well. Maximum deviation was 1¼° at 75 m. The maximum possible displacement of the bottom hole location with respect to the surface location is only 13 m.

16. Abandonment Plugs

<u>Type of Plug</u>	<u>Interval (m)</u>	<u>Felt at (m)</u>	<u>Cement + Additives</u>	<u>Fluid Between Plugs</u>
Cement	1527-1347	No Feel	15 t Class "G" + 0.2% R-5 + 0.75% T-10	Gel/Chemical Mud
Cement	587-401	372	20 t Class "G" + 0.75% T-10 + 1% CaCl ₂	
Cement	18-0	Visual to surface	1 t Class "G" + 0.75% T-10 + 1% CaCl ₂	Gel/Chemical Mud

PCI Swede E-02



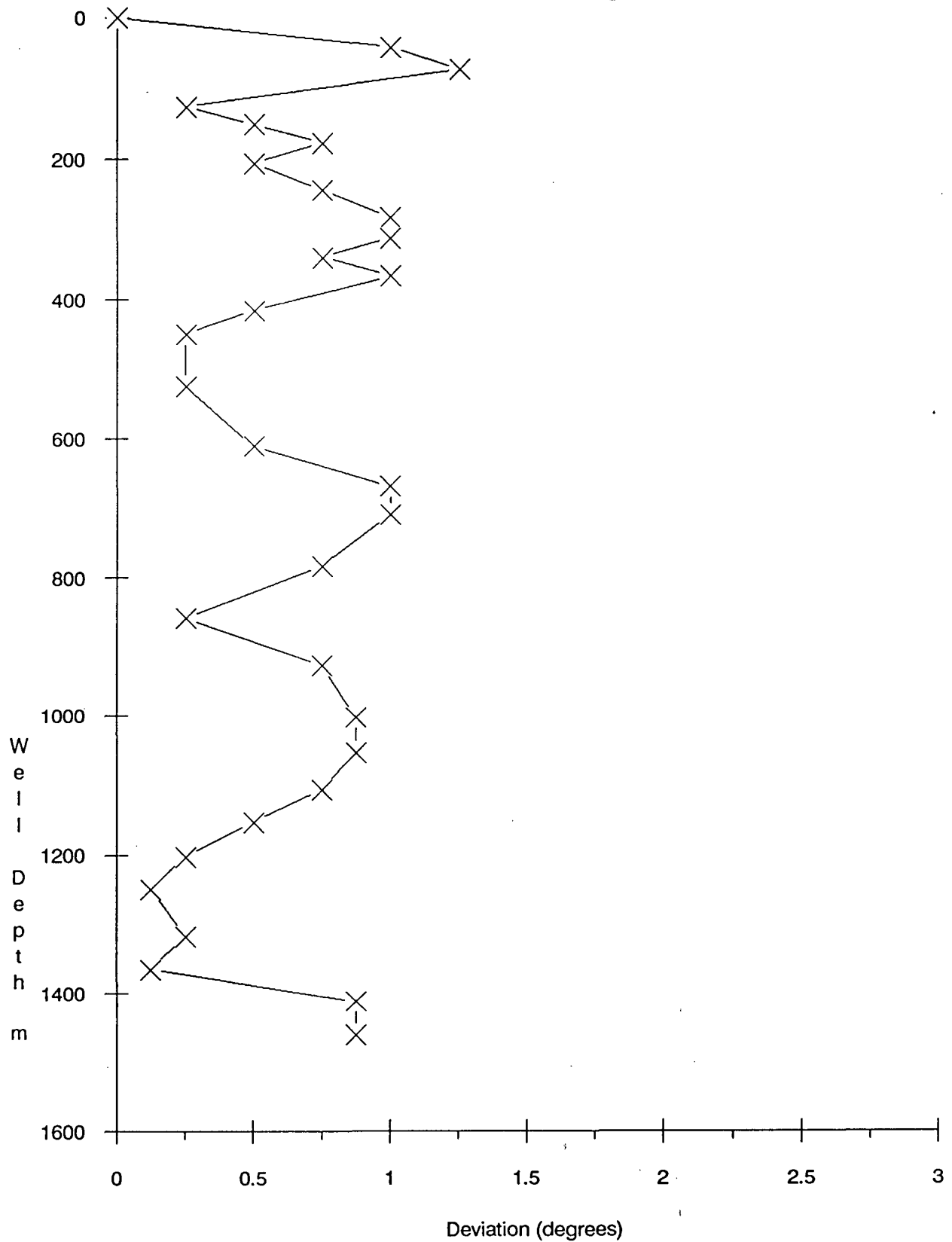
FINAL WELL REPORT

PCI SWEDE E-02

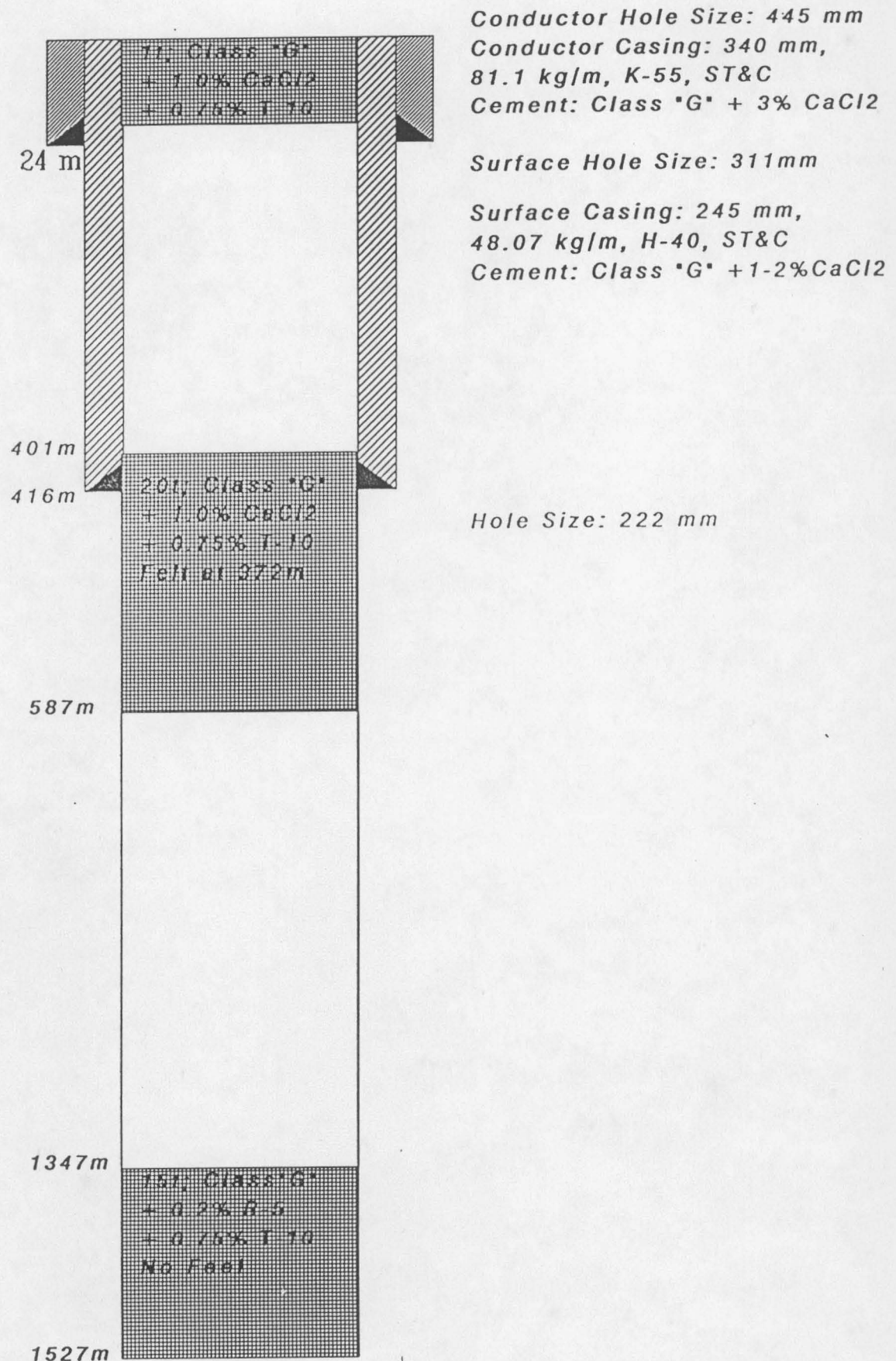
APPENDIX

PCI SWEDE E-02

Deviation Log



PCI SWEDE E - 02





Canada Oil and Gas Administration du pétrole
Lands Administration et du gaz des terres du Canada

D.A. 1405

Nova Scotia	☐	West Coast	☐	Well Status	
Newfoundland	☐	Northern	☐	Suspended	☐
Gulf of St. Lawrence	☐	Hudson Bay	☐	Completed	☐
				Abandoned	☐

WELL TERMINATION RECORD

This record is submitted in triplicate in compliance with Section 184 of the Canada Oil and Gas Drilling Regulations.

WELL DATA

Well Name:PCI Swede E-02..... Area: North West Territories
Grid Area:60-20-117-30..... Field/Pool:Cameroon Hills.....
Permit or Lease No.:E.L. 327..... Final Coordinates: Lat.: 60°11'26.029" Long: 117°31'24.727"
Drilling Unit:Hi Tower #2..... Elevations-RT/KB:810.10 m... SF/OG:805.08 m...
Spud Date:90-01-19 @ 15:00..... Rig Released: 90-02-17 @ 23:59... Total Depth:1527 m.....

CASING AND CEMENTING

O.D.:	Weight:	Grade:	Depth Set:	Cement and Additives:
.244.5 mm	48.07 kg/m	8-40	.416 m	0-187 m; 15t; Class "G" + 1% CaCl ₂
				187-416 m; 20t; Class "G" + 2% CaCl ₂

PLUGGING PROGRAM

Approval of the following program was obtained by (person)Brian Hebert..... from
(person)Dave Scratch..... of the Canada Oil and Gas Lands Administration by means of
telephone..... on February 15..... 19 90

Type of Plug:	Interval:	Felt:	Cement and Additives:
Class "G"	1527-1347 m	Not Required	15t; Class "G" + 0.2% R-5 + 0.75% T-10
Class "G"	587-401 m	With Drill Pipe	20t; Class "G" + 0.75% T-10 at 372 m
Class "G"	18-0 m	Visual Cement to Surface	1t; Class "G" + 0.75% T-10 + 1% CaCl ₂

Lost Circulation/Overpressure Zones:None.....

Equipment left on Seafloor (Describe):N/A.....

Provision for Re-entry (Describe and attach sketch):N/A.....

Cores: Type:Conventional..... Intervals:1377-1395 m.....

Other Downhole Completion/Suspension Equipment:None.....

CERTIFICATION

I certify on the basis of personal knowledge of operations undertaken at the above named well that the above information is accurate.

Signed: S. Shamlar P. Eng.

Name: S. SHAMLAR

Title: Sup. Dir. Engrg.

Date: 90-02-21

Acknowledged by: L. Jones

Engineering Branch

Date: 90-03-09

File: 9211-P28-5-1

GEOLOGICAL SUMMARY

WELL NAME: Petro-Canada Inc. Swede E-02 DATE: 90/04/17

STATUS: Plugged and Abandoned Gaswell

LOCATION: Lat. 60°11'26.029"N
Long. 117°31'24.727"W

SPUD DATE: 1990-01-19 @ 1500 hrs. R.R.: 1990-02-17
Seismic Line: 8093, Shotpoint 221

ELEVATION: K.B. 810.1 metres TOTAL DEPTH:
D.F. 809.8 metres 1527 metres (driller)
G.L. 805.0 metres 1524.8 metres (logger)

PRIMARY
OBJECTIVE: Slave Point (gas)

SECONDARY
OBJECTIVE: Sulphur Point (gas/oil)
Pine Point (gas/oil)

Play Summary:

PCI Swede E-02 was drilled to evaluate a linear, anticlinal closure with a superimposed seismic character anomaly. The anomaly was modeled and associated with a porosity zone in the Slave Point Formation.

Results

1. The well flowed gas to surface at a rate of 17 mcf from the upper part of the Slave Point Formation (see DST #1). Wireline log analysis identified 1.8 metres of net gas pay between 1372 and 1373.8 metres with an average porosity of 4.5% and an average water saturation of 35%.
2. The basal part of the Pine Point Formation is water wet (see DST #2).
3. A basal Cretaceous sandstone directly above the Wabamun Formation (Paleozoic Unconformity) is evaluated as water wet from wireline logs.

Log Analysis (from R. Van Appelen)

<u>Unit/Zone</u>	<u>Interval Thickness (metres)</u>	<u>Average Porosity (%)</u>	<u>Average Water Saturation (%)</u>	<u>Comments</u>
Cretaceous Sand/565-67m	2	30.0	78	- gas shows
Slave Point/1372.8-73.8m	1	5.4	39	- gas shows - DST #1
Lower Pine Point/1463-72m	1	-	-	- gas shows - three thin zones could not be quantitatively evaluated
Lower Pine Point/1481.8-83.0m	1.2	11	48	- gas/oil shows - DST #2

Test And Significant Shows

<u>Unit/Zone</u>	<u>Show Description</u>
Cretaceous Sand/470 to 477 metres	- Poor-fair gas show
Cretaceous Sand/566 to 572 metres	- Poor gas show
Slave Point/ 1365 to 1396 metres	- Very poor gas show - Trace fluorescence
Sulphur Point/1427 to 1429 metres	- Poor gas show - Trace fluorescence
Pine Point/1473 to 1475 metres	- Poor-fair gas show - Spotty yellow fluorescence
Pine Point/1484 to 1486 metres	- Poor gas show - Poor yellow fluorescence
Pine Point/1488 to 1490 metres	- Poor gas show - Poor yellow fluorescence

DST #1 - Slave Point (1370-1396 metres)

- Bottomhole conventional mainflow closed chamber - estimated gas rate of 470m³/day (or 17 *mcf/d).
- * A Level 2 DST Interpretation by Schlumberger calculated a damage ratio of 8.1 which indicates a potential flow rate of 3807m³/day (or 138 mcf/d). Type curve analysis yields a permeability of .165 md and an extrapolated reservoir pressure of 9840 kpa.

DST #2 - Pine Point (1477-1487 metres)

- Recovered 80 metres of gassified inhibitor, foam and saltwater and 700 metres of slightly gassy and oil stained saltwater.

Core Summary

Core No. 1 - Slave Point

- Interval 1377-1395 metres (driller depths)
Recovered 18 metres

<u>Interval</u>	<u>Porosity (Helium)</u>	<u>Porous Intervals</u>		
		<u>Kmax (md)</u>	<u>K90° (md)</u>	<u>KV (md)</u>
1377.42-77.54 (plug)	3.8%	.07	-	-
1377.54-77.73	2.7%	*	.05	*
1380.58-1380.81	2.7%	<.01	<.01	<.01
1380.81-81.00	3.3%	.05	<.01	.05
1387.98-88.11	2.5%	.02	.02	<.01

* Unsuitable for analysis

Note: The porous intervals do not qualify as reservoir. Reservoir cut-offs are; porosity - 3%, permeability - .1 md

Gas Analysis - from DST #1, Slave Point Fm., Compositional Analysis (mole fraction)

H ₂	.0006	C ₁	.8695
He	.0008	C ₂	.0147
N ₂	.0819	C ₃	.0072
CO ₂	.0193	C ₄ ⁱ	.0011
H ₂ S	.000	C ₄	.0022
		C ₅ ⁱ	.0006
		C ₅	.0006
		C ₆	.0005
		C ₇ ⁺	.001

Density .774 kg/m³

The results indicate a dry, sweet gas.

Compiled by J. Bever

90-04-17

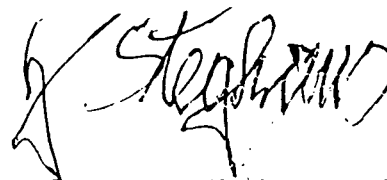
JB/cdl

GEOLOGICAL REPORT

PCI SWEDE E-02

LATITUDE N. 60° 11' 26.029"
LONGITUDE W. 117° 31' 24.727"

PREPARED FOR:
PETRO-CANADA INC.
FEBRUARY 1990

A handwritten signature in black ink, appearing to read 'H. Steghaus', is written over the printed name.

H. Steghaus, Ph.D., P. Geol.

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PERTINENT DATA

WELL NAME: PCI Swede E-02

COORDINATES: Latitude N. 60° 11' 26.029"
Longitude W. 117° 31' 24.727"

ELEVATIONS: Ground: 805.05 m K.B.: 810.1 m

TOTAL DEPTH: Driller: 1527.0 m Logger: 1524.8 m

WELL TYPE: Exploratory

STATUS: Dry and abandoned

OPERATOR: Petro-Canada Inc.

CONTRACTOR: Hi Tower Drilling Rig #2

SPUD DATE: 90/01/19 15:00 h

COMPLETED
DRILLING: 90/02/10 09:35 h

RIG RELEASED: 90/02/17 23:50 h

SAMPLES: Company: 420-1527 m Government: 420-1527 m
+ Geo-Chem.

CORED INTERVALS: 1377 - 1395 m

TESTS: Two

LOGS: Schlumberger PI-SFL 413.5 - 1523.0 m
CNL-LDL 413.5 - 1524.0 m
Microlog 413.5 - 1036.5 m
1325.5 - 1516.0 m
BCSL 413.5 - 1522.3 m
Velocity 413.5 - 1522.3 m

CASING: 244.5 mm at 416.0 m

GEOLOGICAL MARKERS

<u>Marker</u>	<u>Prognosis</u> (m)	<u>Sample</u> (m)	<u>Log</u> (m)	<u>Subsea</u> (m)	<u>Thickness</u> (m)
Wabamum	-----	575	571	+239.1	302
Twin Falls	-----	875	873	-62.9	145
Hay River	-----	1020	1018	-207.9	292
Beaverhill Lake	1310	1315	1310	-499.9	27
Muskwa	1339	1345	1337	-526.9	25
Slave Point	1364	1370	1362	-551.9	57
Watt Mountain	1419	1415	1419	-608.9	4
Sulphur Point	1422	1425	1423	-612.9	7
Pine Point	1452	1435	1430	-619.9	64
Predevonian	1514	1495	1494	-683.9	

SAMPLE DESCRIPTION

PCI Swede E-02

415 - 425 m	Shale, grey; loose quartz and feldspar grains, very coarse to medium, angular to subrounded.
425 - 430 m	Shale, grey to dark grey, part micro pyritic; loose grains as above.
430 - 435 m	Sandstone, unconsolidated, quartz and feldspar grains, medium to coarse, subrounded to angular, poorly sorted; shale as above.
435 - 440 m	Shale, dark grey to grey, micro pyritic to pyritic; sandstone, quartz and some feldspar grains, medium to very coarse, angular to round, poorly-sorted, highly friable, good porosity.
440 - 450 m	Shale and some sandstone as above; stringers of siltstone, grey.
450 - 460 m	Shale, grey to dark grey, slightly micro pyritic, some pieces silty.
460 - 465 m	Shale, grey, slightly micro pyritic; stringers of siltstone and very fine argillaceous sandstone, dark grey.
465 - 470 m	Shale as above.
470 - 475 m	Shale, dark grey, micro pyritic, few pieces silty; stringers of siltstone to very fine argillaceous sandstone.
475 - 480 m	Shale, grey to dark grey, slightly micro pyritic; stringers of siltstone, grey to dark grey.
480 - 490 m	Shale, dark grey to grey, slightly pyritic, some pieces silty.
490 - 495 m	Shale, dark grey, micro pyritic, slightly coaly, few fish vertebrae; stringers of siltstone, dark grey.
495 - 500 m	Shale, dark grey, few pieces micro pyritic.
500 - 505 m	Shale, grey to dark grey, few pieces micro pyritic, some clusters of very fine sand grains.
505 - 540 m	Shale, dark grey, fissile, soft, slightly pyritic.

540 - 560 m	Shale as above, few fish remains, trace ironstone at 555 m.
560 - 565 m	Shale, dark grey to black, few small green lumps, pyritic, part fissile, part arenaceous; trace sandstone, fine, and some loose quartz grains, medium to coarse, subrounded to angular.
565 - 570 m	Siltstone to very fine sandstone, buff, calcareous, few very small green shale lumps, angular to subangular, fair sorting; shale, dark grey to black, slightly pyritic, few pieces coaly, part fissile.
WABAMUM 575 m	
570 - 585 m	Limestone, cream, crypto to micro crystalline, few Ostracods and few Crinoid ossicles.
585 - 600 m	Limestone as above, few pieces tan and faintly oil stained.
600 - 605 m	Limestone, white to cream, crypto to micro crystalline, part finely fragmental.
605 - 610 m	Limestone, white to cream, crypto to micro crystalline, part finely fragmental, few pieces tan and faintly oil stained, trace pin-point porosity with faint staining, few Crinoid ossicles; some black shale, fissile, slightly pyritic; one piece of sandstone, buff, glauconitic, slightly calcareous, very fine, subangular, well-sorted.
WINTERBURN 615 m	
610 - 615 m	Limestone, cream, micro to crypto crystalline, part fragmental, few pieces very finely sandy; shale, dark grey, slightly pyritic; one piece of glauconitic sandstone as above.
615 - 620 m	Shale and limestone as above, gradation to calcareous sandstone.
620 - 630 m	Limestone, cream, very finely sandy grading to very fine calcareous sandstone (gradation from matrix to grain supported), angular to subangular, well-sorted; little shale as above.
630 - 635 m	Sandstone, cream to buff, highly calcareous, fine to very fine, angular, well-sorted; limestone, cream, crypto to micro crystalline, some fossil debris; little shale as above.

635 - 640 m	Limestone as above; shale, grey, slightly pyritic.
640 - 655 m	Limestone, cream to tan, micro to crypto crystalline, largely fragmental, little Crinoid debris; some shale as above; trace green shale.
655 - 665 m	Limestone, cream to tan, crypto to micro crystalline, part slightly arenaceous, slightly pyritic, little fossil debris.
665 - 680 m	Limestone, cream, few pieces tan, micro to crypto crystalline, part arenaceous, slightly pyritic, trace fossil debris; little siltstone to very fine sandstone, buff to cream, highly calcareous.
680 - 690 m	Limestone, cream to buff, crypto to micro crystalline, part silty, slightly pyritic; little sandstone, buff to tan, highly calcareous.
690 - 705 m	Limestone, cream, crypto to micro crystalline, silty to highly silty, grading to highly calcareous siltstone, few Brachiopod fragments at 700 m.
705 - 710 m	Limestone, cream to tan, crypto to micro crystalline, silty, few Brachiopod fragments; siltstone to very fine sandstone, buff to tan, highly calcareous.
710 - 715 m	Limestone, tan to cream, micro to crypto crystalline, part silty, some pieces fragmental, slightly pyritic, little Brachiopod and Ostracod debris; some siltstone to very fine sandstone as above, some very small bioclasts.
715 - 720 m	Sandstone, buff, very fine, part silty, highly calcareous, grading to arenaceous limestone, some Brachiopod and Crinoid fragments, few Ostracods.
720 - 725 m	Limestone, buff to cream, crypto to micro crystalline, part silty, part argillaceous, little fossil debris.
725 - 730 m	Limestone, tan to buff, micro to crypto crystalline, slightly pyritic, part argillaceous, part silty, few fossil fragments; shale, grading to argillaceous siltstone, light greenish grey, calcareous, slightly pyritic.
730 - 735 m	Limestone, tan to cream, crypto to micro crystalline, part fragmental, pyritic, few pieces argillaceous; shale, dark grey, micro pyritic, few pieces coaly, cavings?

735 - 740 m	Limestone, buff to cream, crypto to micro crystalline, part silty; marlstone and calcareous shale, light greenish grey.
740 - 745 m	Limestone, tan to cream, crypto to micro crystalline, some Brachiopod fragments.
745 - 755 m	Limestone, cream to tan, crypto to micro crystalline, part silty, few pieces fragmental, few Brachiopod and Crinoid fragments; some shale, dark grey, micro pyritic, probably cavings.
755 - 760 m	Limestone, buff to tan, micro to crypto crystalline, silty, slightly pyritic, little Brachiopod and Crinoid debris; stringers of shale, light greenish grey, calcareous, silty; stringers of siltstone, buff, highly calcareous.
760 - 770 m	Limestone, cream to buff, few pieces tan, part silty, slightly pyritic, micro crystalline, some Brachiopod debris and few Crinoid ossicles; siltstone, buff, highly calcareous; stringers of shale, light green grey, calcareous, silty, slightly pyritic.
770 - 780 m	Siltstone, limestone and stringers of shale as above.
780 - 790 m	Siltstone, buff, part very finely sandy, calcareous; little limestone as above; stringers of shale, green and micro pyritic, light grey and silty, calcareous.
790 - 795 m	Siltstone, buff, calcareous, slightly pyritic, few Brachiopod fragments; shale, light green, slightly calcareous.
795 - 805 m	Shale, green, calcareous, part silty, slightly micro pyritic; some siltstone as above.
805 - 815 m	Shale as above, some pieces brownish grey; limestone, buff, crypto crystalline, slightly silty, few Crinoid ossicles; some siltstone as above.
815 - 820 m	Limestone, buff to tan, crypto to micro crystalline, part argillaceous, part silty, few Tentaculites; stringers of shale, green, calcareous; stringers of siltstone, buff, calcareous; little pyrite.
820 - 825 m	As above; some Brachiopods, few Crinoid ossicles and Tentaculites.

825 - 830 m	Limestone, buff to light brown, crypto to micro crystalline, part argillaceous, part silty, slightly pyritic, some Brachiopods, one coral fragment; shale, light green, some pieces greyish, calcareous, part silty.
830 - 840 m	Shale and limestone as above; Ostracod and Tentaculites at 840 m.
840 - 845 m	Limestone, buff to cream and tan, crypto to micro crystalline, Brachiopod fragments and few Ostracods; shale, green and grey, calcareous; shale, black, non-calcareous; some very fine sandstone to siltstone, buff, highly calcareous, cavings?
845 - 850 m	As above; predominantly green shale.
850 - 855 m	Limestone, buff, slightly pyritic, micro to crypto crystalline, few Crinoid fragments; shales and little sandstone and siltstone as above.
855 - 865 m	Limestone, buff to cream and tan, micro to crypto crystalline, part arenaceous, slightly pyritic, few Brachiopods and Tentaculites; black and some green shale as above.
865 - 870 m	Limestone, buff, micro to crypto crystalline, part arenaceous, slightly pyritic, few Brachiopod fragments and Ostracods; shales as above, slightly pyritic.
TWIN FALLS 875 M	
870 - 875 m	Limestone, cream to tan, micro to crypto crystalline, trace Brachiopod and Crinoid debris, few Tentaculites; some shale as above.
875 - 880 m	Limestone, cream to tan, micro to crypto crystalline, some Brachiopod debris, trace vuggy porosity, few micro fractures with spotty oil stains; some shale as above.
880 - 885 m	Sample unreliable; Intermittent circulation during motor repairs.
885 - 895 m	Limestone, cream to tan, micro to crypto crystalline, some Crinoid and little Brachiopod debris; some shale, green, slightly calcareous.

895 - 900 m	Limestone as above; some Brachiopod fragments; shale, green to grey, slightly calcareous; stringers of siltstone, buff, calcareous.
900 - 910 m	Shale, green to grey, calcareous, part micro pyritic, part silty; limestone, white to tan, part arenaceous, micro to crypto crystalline; few Brachiopod and coral fragments; stringers of clusters of sandstone, white to buff, very fine, highly calcareous.
910 - 940 m	Limestone, buff to tan, micro to crypto crystalline, part fragmental, some pieces arenaceous, slightly pyritic, few Brachiopod and Crinoid fragments, few Ostracods; shale, green, occasional few pieces brownish grey, calcareous to slightly calcareous.
940 - 945 m	Limestone, buff to tan, micro to crypto crystalline, part arenaceous, few pieces fragmental, few Brachiopod fragments and Crinoid ossicles; shale, green to grey, slightly calcareous.
945 - 980 m	Limestone, buff to tan, micro to crypto crystalline, part arenaceous, some Brachiopod fragments and few Ostracods; shale as above; stringers or clusters of very fine sandstone and siltstone, buff, highly calcareous.
980 - 985 m	Limestone, cream to tan, crypto to micro crystalline, trace pin-point porosity with dead oil stain; some shale, green to greenish grey, slightly calcareous.
985 - 1015 m	Limestone, cream to tan, crypto to micro crystalline, slightly pyritic, few Brachiopod fragments; shale as above.
HAY RIVER 1020 m	
1015 - 1040 m	As above; trace shale, grey, calcareous.
1040 - 1045 m	Limestone as above; shale, green, few pieces grey, slightly calcareous to calcareous, some Ostracods.
1045 - 1060 m	Shale as above, slightly pyritic, Ostracods, Amphipora and small Brachiopod at 1060 m; some limestone as above.
1060 - 1065 m	Shale, light greenish grey, calcareous, slightly pyritic, some pieces silty, few Ostracods and Brachiopod fragments.

1065 - 1075 m	Shale as above, few Tentaculites; stringers of siltstone, light grey, calcareous.
1075 - 1080 m	Shale, light greenish grey, variably calcareous, slightly pyritic, some pieces silty.
1080 - 1090 m	Shale as above, few Brachiopod fragments, some siltstone lumps and boring fill, no pyrite, highly calcareous.
1090 - 1105 m	Shale, light greenish grey, variably calcareous, Tentaculites at 1100 m; clusters of stringers of siltstone, light grey to grey, highly calcareous.
1105 - 1110 m	Trip sample; mainly cavings.
1110 - 1125 m	Shale, light greenish grey, variably calcareous, part micro micaceous, few pieces silty; some clusters or stringers of siltstone, grey, calcareous.
1125 - 1130 m	Shale as above; siltstone, grey to buff, calcareous, part very finely sandy.
1130 - 1165 m	Siltstone and shale as above.
1165 - 1175 m	Siltstone as above; shale, greenish grey, variably calcareous, micro micaceous, part silty.
1175 - 1190 m	Shale, grey, variably calcareous, slightly pyritic, part silty, part micro micaceous.
1190 - 1195 m	Shale, grey, some pieces brownish, variably calcareous, part silty, part micro micaceous; siltstone, grey to dark grey, few pieces brown and ferruginous, calcareous.
1195 - 1205 m	Shale, grey, part slightly greenish, variably calcareous, part silty, micro micaceous; stringers of siltstone, grey, calcareous.
1205 - 1220 m	Shale and siltstone as above; trace pyrite.
1220 - 1230 m	Shale, grey, part slightly greenish, variably calcareous, slightly pyritic, part micro micaceous, some pieces silty, few Tentaculites; stringers of siltstone as above.
1230 - 1245 m	Shale and stringers of siltstone as above; shale, dark grey to black, non-calcareous to slightly calcareous, slightly micro pyritic, part fissile.

1245 - 1260 m	Shale, greenish grey, variably calcareous, slightly pyritic, part micro micaceous, few pieces silty; stringers of siltstone, light grey, highly calcareous, very finely sandy, slightly micro micaceous.
1260 - 1270 m	Shale and stringers of siltstone as above, few Tentaculites, some shale, dark grey, part micro pyritic, few fish bones.
1270 - 1295 m	Shale, grey, part slightly greenish, slightly calcareous, some pieces micro micaceous.
1295 - 1300 m	Shale, dark grey to black; shale as above.
1300 - 1310 m	Shale, grey to greenish grey, slightly calcareous; little shale, dark grey to black, few pieces brownish and slightly calcareous, few pieces silty, part bituminous.
BEAVERHILL LAKE 1315 m	
1310 - 1320 m	Shale, brown to black, calcareous, grading to marlstone.
1320 - 1325 m	Shale, greenish grey, calcareous, part silty, part micro micaceous, few Tentaculites; some shale as above; some limestone, cream to buff, crypto crystalline, part very finely sandy.
1325 - 1330 m	Shale, greenish grey to black, part calcareous, part silty, some pieces micro micaceous.
1330 - 1340 m	Shale as above; stringers of limestone, grading to very fine calcareous sandstone, cream to buff, micro to crypto crystalline; trace pyrite.
MUSKWA 1345 m	
1340 - 1345 m	Shale, dark brown to black, part mottled, slightly to highly calcareous, slightly micro micaceous, buff, calcareous algal (?) layers; some limestone, white to buff, crypto crystalline, part slightly silty, few Brachiopod fragments.
1345 - 1350 m	Shale and some limestone as above; shale, greenish grey, part calcareous, slightly pyritic, some pieces micro micaceous.
1350 - 1355 m	Shale, greenish grey, calcareous, slightly pyritic, few pieces micro micaceous, few Crinoid ossicles and Brachiopod fragments; stringers of limestone as above.

1355 - 1360 m	Shale as above; some limestone, cream to light brown and buff, crypto crystalline, more or less argillaceous and silty, some Brachiopod fragments.
1360 - 1365 m	Limestone, brown to buff, argillaceous, crypto crystalline, slightly pyritic, few Brachiopod and Crinoid fragments.
SLAVE POINT 1370 m	
1365 - 1370 m	Limestone, dark brown to buff, micro to crypto crystalline, part fragmental, part argillaceous.
1370 - 1377 m	Limestone, dark brown to buff, micro to crypto crystalline, part argillaceous, part fragmental, few pieces pelletoidal, few pieces dolomitized (fine crystals in calcareous matrix), few stylolites, trace pin-point porosity.
Core #1, 1377 - 1395 m For details, see Core Description.	
1395 - 1396 m	Limestone, dark brown to green, mainly fragmental and mottled, crypto to micro crystalline.
FORT VERMILION 1400 M	
1396 - 1400 m	Limestone as above; little anhydrite, white, micro crystalline.
1400 - 1405 m	Limestone, dark brown to cream, crypto to micro crystalline, few pieces fragmental; stringers of anhydrite, white to tan, micro crystalline.
1405 - 1410 m	Limestone, brown to tan, micro to crypto crystalline, part anhydritic, part fragmental; anhydrite, buff to white, micro crystalline.
WATT MOUNTAIN 1415 m	
1410 - 1415 m	Limestone, brown to white, micro to crypto crystalline, few pieces fragmental; trace anhydrite as above; trace shale, green to bright green, micro pyritic, calcareous.
1415 - 1420 m	Marlstone grading to calcareous shale, black brown to tan, bituminous (?); trace green shale as above.

SULPHUR POINT 1425 m

- 1420 - 1425 m As above; green shale common; limestone, cream to tan, micro crystalline, clean.
- 1425 - 1430 m Limestone, cream to tan, crypto to micro crystalline, part pelletoidal and part porous, poor to fair intergranular porosity, well oil stained, yellow fluorescence and yellow stream cut.

PINE POINT 1435 m

- 1430 - 1440 m Dolomite, cream to brown, finely to micro crystalline, slightly pyritic, some medium to coarse dolomitic vug fill, probably very poor vuggy porosity.
- 1440 - 1445 m Dolomite, tan to cream, some pieces brown, micro to very finely crystalline, very little vug fill, probably very poor vuggy porosity.
- 1445 - 1455 m Dolomite, brown to cream, micro to finely crystalline, slightly micro pyritic, some pieces off-white and medium crystalline, little very poor to poor vuggy and/or intercrystalline porosity; trace gypsum vug fill.
- 1455 - 1465 m Dolomite, brown to cream, few pieces light grey, finely to micro crystalline, trace gypsum fracture fill, little very poor to poor intercrystalline and/or vuggy porosity; shale, limestone and anhydrite cavings.
- 1465 - 1470 m Dolomite, brown to cream, micro to very finely crystalline, trace vuggy linings, little very poor to poor intercrystalline and vuggy porosity, some spotty oil stain and yellow fluorescence.
- 1470 - 1475 m Dolomite as above; grading to fine crystalline.
- 1475 - 1480 m Dolomite, tan to cream, crypto crystalline; some dolomite, tan to brown, micro to finely crystalline, some poor to fair vuggy and intercrystalline porosity, selective oil staining and yellow fluorescence.
- 1480 - 1485 m Dolomite, brown to tan, finely to micro crystalline, fair to good vuggy porosity, oil stained, yellow fluorescence.
- 1485 - 1490 m Dolomite as above, few pieces arenaceous; some coarse gypsum crystals.

PREDEVONIAN 1495 m

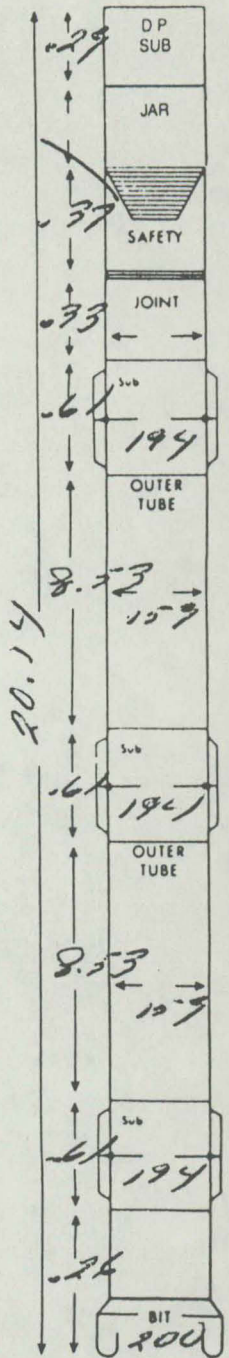
1490 - 1505 m	Quartzite, clear, slightly micro pyritic; little kaolin.
1505 - 1515 m	As above; cavings, limestone, dolomite and various shales; little shale, light green, greyish mottled, pyritic.
1515 - 1527 m	As above; some quartzite pieces pink or pink stained.

CORE DESCRIPTION

Core #1; Interval from 1377 to 1395 m; Recovered 18 m.

1377.00 - 1378.00	(1.00 m) Limestone, brown, micro to crypto crystalline, very poor vuggy porosity related to fossil debris, most vugs calcite filled, middle of interval bleeding oil, yellow fluorescence.
1378.00 - 1379.40	(1.40 m) Limestone, dark brown, crypto to micro crystalline, tight, vugs calcite filled, massive Stromatopora at bottom of interval, few more or less vertical fracture with spotty oil stain, yellow fluorescence.
1379.40 - 1380.20	(0.80 m) Limestone, light brown, crypto crystalline, tight.
1380.20 - 1384.60	(4.40 m) Amphipora limestone interbedded with massive layers of Stromatopora, pin-point vuggy porosity, vugs small and oil stained, spotty oil bleeding, generally tight.
1384.60 - 1384.90	(0.30 m) Limestone, brown, micro crystalline, dense, badly fractured (rubbled), fractures oily, yellow fluorescence.
1384.90 - 1385.40	(0.50 m) Amphipora limestone, dark brown, fine crystalline, thin laminate of black shale, horizontal bedding, tight.
1385.40 - 1386.00	(0.60 m) Limestone, brown to dark brown, micro crystalline, more or less vertical hairline fractures, part open and oil stained, part calcite filled, calcite filled small vugs common, few open vugs with residual oil and dull brown fluorescence, yellow cut.
1386.00 - 1387.00	(1.00 m) Limestone as above, some calcite filled vertical fractures.
1387.00 - 1389.35	(2.35 m) Limestone, dark brown, micro crystalline, dense, occasional shale/limestone laminates; bottom 0.15 m of interval Amphipora limestone with some vuggy porosity, bleeding oil, fluorescence yellow.
1389.35 - 1391.85	(2.50 m) Limestone, dark brown, micro to crypto crystalline, generally tight, some layers with black shale laminates, some Amphipora and Brachiopod beds.
1391.85 - 1395.00	(3.15 m) Limestone, brown to dark brown, occasionally laminated with black shale, layers of Amphipora, tight, bedding nearly horizontal.

START (m)	DEPTH (m)	TIME	MIN /METRE		Mud Report & Remarks	WEIGHT daN	r/min	PUMP SIZE <i>16x5-1/2</i>	
			Actual	Lost				Pressure kPa	Stroke mm
	1977	3:50							
0.2		4:57	:09						
0.4		4:02	:05						
0.6		4:05	:03			4	75	8000	60
0.8		4:07	:03						
1.0	1978	4:10	:03						
1.2		4:12	:03						
1.4		4:15	:03						
1.6		4:18	:03						
1.8		4:21	:03						
2.0	1979	4:24	:03						
2.2		4:26	:02						
2.4		4:29	:03						
2.6		4:31	:02						
2.8		4:34	:03						
3.0	1980	4:36	:02						
3.2		4:38	:02						
3.4		4:41	:03		Pipe 115-0				
3.6		4:43	:02		123 5-3				
3.8		4:45	:02		114 10	4	75	8000	60
4.0	1981	4:47	:02						
4.2		4:50	:03						
4.4		4:52	:02						
4.6		4:55	:03						
4.8		4:57	:02						
5.0	1982	10:00	:03						
5.2		5:02	:02						
5.4		5:05	:03						
5.6		5:07	:03						
5.8		5:10	:02						
6.0	1983	5:13	:03						
6.2		5:15	:02						
6.4		5:18	:03						
6.6		5:21	:03						
6.8		5:24	:03			4	75	8000	60
7.0	1984	5:26	:02						
7.2		5:28	:02						
7.4		5:31	:03						
7.6		5:34	:03						
7.8		5:37	:03						
8.0	1985	5:40	:02						
8.2		5:43	:03						
8.4		5:46	:03						
8.6		5:49	:03						
8.8		5:52	:02						
9.0	1986	5:55	:02						
9.2		5:58	:03						
9.4		11:01	:03						
9.6		5:04	:03						
9.8		5:07	:03			4	75	8000	60
10.0	1987	5:10	:03						
10.2		5:12	:03	407	TON				
10.4		5:15	:02						
10.6		5:18	:02						
10.8		5:21	:04						
11.0	1988	5:24	:03						
11.2		5:27	:03						
11.4		5:30	:02						
11.6		5:33	:03						
11.8		5:36	:03						
12.0	1989	5:39	:04						
12.2		5:42	:03						
12.4		5:45	:03						
12.6		5:48	:03						
12.8		12:00	:04						
13.0	1990	5:03	:03						
13.2		5:06	:03						
13.4		5:10	:04						
13.6		5:13	:03						
13.8		5:16	:03						
14.0	1991	5:20	:04						
14.2		5:23	:03						
14.4		5:27	:04						
14.6		5:30	:03						
14.8		5:33	:03						
15.0	1992	5:37	:04						
15.2		5:41	:04						
15.4		5:44	:03						
15.6		5:48	:04						
15.8		5:51	:03						
16.0	1993	5:55	:04						
16.2		1:00	:02						
16.4		5:04	:04						
16.6		5:08	:04						
16.8		5:12	:04						
17.0	1994	5:15	:03						
17.2		5:19	:04						
17.4		5:22	:03						
17.6		5:26	:04						
17.8		5:29	:02						
18.0	1995	5:32	:03						
18.2									



CORING LOG FROM

**EASTMAN
CHRISTENSEN**

16230 - 112 Avenue
Edmonton, Alberta, Canada T5M 2W1
Phone: (403) 451-0120/Telex 037-3502/Fax (403) 451-4491

Date FEB 2/90 Service Engineer NICHOLAS DELMOVIC
Company PERO CANADA INC Contractor H. TOWIE 2nd
Well Name/No. PCI SWED: E-02
Field _____ Hole Size (mm) 222
Diamond Bit Size (mm) 200x102 Bit No. 0601730
Diamond Bit Type SCP-722 Core Barrel Size (mm) 159x102x18
Length (m) 20.14 No. 63 Jar No. _____
Core No. 1H Depth: From 1977 m To 1995 m
Total Metres Cored 18m Recovered 18m
Hours 4hr 30min Formation Cored SLAVE POINT
Description LIMESTONE
Time Reaming To Bottom 30 MIN
Mud Wt. (kg/m³) 1150 r/min. 240
Mud Flowrate (m³/min.) 280 GPM MIN
Bit Condition: Before NEW % After 95 %

D.S.T. SUMMARY

Test #1

1370 - 1396 m: Slave Point

11/65/129/264 (Closed chamber)

61/123 (Conventional)

VO: GTS in 50 sec.; surging flare throughout flow period, 0.2 - 3.0 m.

Recovery: 4 m mud.

IHP:	15089 kPa	FHP:	15022 kPa
IPFP:	1869 kPa	FPFP:	1084 kPa
IFP:	936 kPa	FFP:	1398 kPa
ISIP:	9161 kPa	FSIP:	9824 kPa

Test #2

1477 - 1487 m: Pine Point

10/61/90/240 (Closed chamber)

Recovery: Total 780 m; 80 m gasified and slightly oily inhibitor foam on salt water; 700 m slightly gassy and very slightly oily salt water.

IHP:	16205 kPa	FHP:	16281 kPa
IPFP:	2465 kPa	FPFP:	4316 kPa
IFP:	4429 kPa	FFP:	8665 kPa
ISIP:	9098 kPa	FSIP:	9393 kPa



BEARSPAW
LOGGING SERVICES (1986) LTD.

#12, 1916 - 30 Avenue N.E., Calgary, Alberta T2E 7B2 • (403) 291-3396 • Fax: (403) 291-0563

MUD LOG INTERPRETATION REPORT
FOR THE WELL
P.C.I. SWEDE
E-02

START LOGGING DEPTH: 416 DATE: JAN. 24, 1990

FINAL TOTAL DEPTH: 1527 DATE: FEB. 10, 1990

K. B.: 810 M.

WELLSITE TECHNICIANS: G. WHEELER
D. PIOTRUS
M. HERBERT

BEARSPAW JOB NO.: 0213-325

CLIENT AFE/WORK ORDER:

THIS REPORT HAS BEEN SUBMITTED TO: MR. S .BENKO

DATE: FEB. 12, 1990

INTERPRETATION REPORT
P.C.I. SWEDE
E-02

1343 MUSKWA

Consistent low mud gas
response from overlaying
shales and the Muskwa

1370 SLAVE POINT

1370-1377

Drilled portion of the Slave
Point is Limestone with pin
point porosity. No
significant liberated mud gas
response nor from bottoms up
as a result of trip for core
at 1377.

1377-1395

SEE GAS SHOW # 1
Core # 1 NOT EXAMINED BY
LOGGER . No significant
penetration breaks and very
low liberated mud gas
response. Low gas is from:
a) no porosity
b) water bearing zone
c) Flushing of hydrocarbons
while coring.

1396

LARGE MAGNITUDE OF TRIP GAS
from bottom hole, therefore
cored interval is hydrocarbon
bearing. Presence of heavier
gases indicate presence of
some liquids (probably with
gas).

COMMENT

D.S.T. # 1 was run over the
interval 1370-1399. Results
of D.S.T. were not released
to wellsite technician.
However, trip gas placement
magnitude and composition
suggests Slave Point is
hydrocarbon bearing with the
presence of at least some
liquids.

1414 WATT MOUNTAIN

No significant mud gas
response

1420 SULPHUR MOUNTAIN

GAS BEARING, LIMITED POROSITY

1423-1425

Minor liberated show from
trace vuggy porous but
generally tight limestone.
Note C3 is exceeding C2. This
is very rare liberated gas
response.

1427-1429

A two meter R.O.P. break with
minor liberated mud gas
response

1434

Single meter penetration
break with liberated gas
response.

1434 PINE POINT

GAS BEARING, LIMITED POROSITY

1434-1461

Tight dolomite, minor
liberated show of gas.

Note that at 1461 mud gas increases- indicates BETTER
POROSITY than Sulphur Point and upper Pine Point

PENETRATION BREAKS

SEE GAS SHOW # 2

1465-1470

Minor liberated Show

1473-1475

Fair liberated response,
significant C3 corresponds
well with drilling break.

1484-1485

Fair mud gas responses

1488-1490

1493-1494

1494 PRE DEVONION

No significant mud gas show

1521-1527

Drilling mud badly clobbered,

no readings available

1527 TOTAL DEPTH

1343 MUSKWA

P.C.I. SWEDE
E-02

INSTRUMENTATION USED

Instrumentation manufactured by TOOKE ENGINEERING
Series 6000 Gas Chromatograph
Series 7000 Gas Detector

CALIBRATION STANDARDS

Instruments were routinely calibrated with
laboratory quality test gas comprised of the
following composition:

C1 (Methane)	- 0.500%
C2 (Ethane)	- 0.500%
iC4 (iso-Butane)	- 0.500%
nC4 (Butane)	- 0.500%

DEFINITIONS

CALCIUM CARBIDE WELLBORE CALIBRATION: A quantity of the chemical calcium carbide is introduced into the mudstream. Calcium carbide, when in contact with water produces the gas acetylene, which is recorded by BEARSPAWS instrumentation. The magnitude of response gives us a quantitative measure of actual lag time along with the efficiency of the wellbore and gas extraction apparatus.

COAL GAS: Mud gas which is a product of drilling through a section of coal. The composition is predominately methane. A mud gas response from coal is usually of no economic significance.

CONNECTION GAS: Gas entering the wellbore caused by the swabbing effect of the drill string during a pipe connection.

TRIP GAS: Gas has entered the mudstream during a period of time when circulation of drilling fluid has ceased. Typically, a trip for bit is made causing hydrocarbons to be swabbed into the wellbore as the bit moves past a hydrocarbon bearing zone.

LIBERATED GAS: Mud gas which is a result of hydrocarbons being released into the mudstream from rock being penetrated.

PRODUCED GAS: Gas entering the wellbore due to a formation pressure in excess of the hydrostatic pressure.

sl dolomitized ip tr pp por

Core No. 1
1377-1395m

Cut 18m
REC 18m

DEN 1050
VIS 53
pH 10.0

90 C F 5000
• H RPM 80
02 R SPM 60
• I PP 8000
02 S

S
C
P
7
7
7

18m
4.75hrs

G (est)
35.0% @ 1396m
Previous btms. up 24 hrs
from surface casing

DEN 1100
VIS 44

90 NB
• 7
02 S F 14/16000
• 8 RPM 85/90
08 6 SPM 58
F PP 6000

DEN 1110
VIS 50
WL 7.8
pH 10.5

D.S. 7/8"

Carbide 2 units
meas 42mins
calc 36mins

DEN 1115
V

P.C.I. SWEDE E-02

GAS SHOW

LS brn-dk brn crpxl-micxln lam
blk sh fos frags

SH blk
LS bf-brn crpxln fos frags
tr wh anhy

WATT MOUNTAIN 1414m
SH gn-gy gn calc tr pyr tr anhy

SULPHUR POINT 1420m
LS brn-dk brn crpxln arg ip gen
tt no shows

LS as/abv tr vtr por some
sptty pale flr no cut

DEN 1120
VIS 48
pH 11.0

DEN 1110
VIS 53

DEN 1105
VIS 54
WL 7.0
pH 11.0

F 16000
RPM 90
SPM 58
PP 6000

P.C.I. SWEDE

GAS SHOW #2

1
4
5
0

gen tt no shows

DOL as/abv tr p intxln por

DOL bf off wh mnr brn crpxl-micx
arg ip tr lt gyish wh f xln/
some euhed xls thin bedded

LS bf-crm crpxl-micxln ip part
pelletoidal mrlly ip mnr pale
pinkish off wh mrlst strg

DOL brn crm tr lt gy f-micxln tr
gyp v p intxln por

DOL brn crm micxl-vf xln tr p int
por some vuggy por some spotty
o stn spotty yel flor no cut

DOL as/abv grd-g-f xln

DOL bf-brn some crm crpxl-f xln
some p-fr vuggy & intxln por
spotty yel flor some o stn

DOL brn-bf micxl-f xln fr-g vuggy
por yel flor o stn

DOL as/abv tr c gyp xls

**A) DST #1 SLAVE POINT 1370-1396 M
CLOSED CHAMBER TEST REPORT**

DELTA-F TEST CORP.

WELL TESTING AND EVALUATIONS

#520 400 5th AVENUE S.W.
CALGARY , ALBERTA T2P 1N7

PCI SWEDE

E-02
SLAVE POINT/1370-1396
DST # 1

Mon, Feb 5, 1990

FCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

CLOSED CHAMBER REPORT SUMMARY

FLOW TIMES (minutes)

FLOW # 1 = 12	SHUT IN # 1 = 66
FLOW # 2 = 130	SHUT IN # 2 = 260

FLOW RATES (m³/D)

	GAS	LIQUID
	---	-----
FLOW # 1 initial	6.6	8.1
final	6.6	8.1
FLOW # 2 initial	470	0.01
final	470	0.01

RECOVERY

LENGTH (m)	VOLUME (m ³)	DESCRIPTION
-----	-----	-----
8	.03	INHIB/WATER ADDED BEFORE PF
53	.22	DRLG MUD LOST WHILE SKIDDING
16	.07	DRLG MUD FROM PF INFLUX
-----	-----	-----
77	.32	TOTAL RECOVERY

COMMENTS

A closed chamber analysis has been carried out for both flow periods and the results are contained in the following pages.

In summary, the interval tested produced sweet gas in a very erratic manner for an average Mainflow (MF) gas rate of 470 m³/d (17 Mcf/d). This test was conducted as a Closed Chamber test for two flows and two shutins and as a conventional test for the third flow and shutin. Observation of the third flow period seemed to produce the same type of erratic gas flow as was seen for the Closed Chamber test. A complete analysis of the downhole electronic fluid recorder #50094, was conducted for fluid influx with the following results:

Approx. 8 meters of inhibitor/water was added to the pipe before PF VD, with 53 meters of drilling mud entering the chamber lost from the annulus while the tool skidded to

Mon, Feb 5, 1990

FCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

bottom before the PF. An influx of 16 meters of mud was produced during the PF VO and no apparent fluid influx for the MF period. Approximately 34 meters of the mud was blown up the pipe and stuck on the sides during the MF with another 41 meters of mud blown up during the 3rd flow. Only 4 meters of recovery remained above the tool when the pipe was pulled out of the hole. The remaining fluid could be seen stuck to the sides of the pipe while tripping out of the hole.

Downhole electronic recorder #50115, within the interval at 1372.47 m, was analysed and used to obtain the following pressures:

IHP 15080, PFP 1085, S1 9162, IF2 644, FF2 1399,
S2 9825, IF3 638, FF3 144, S3 9800, FHP 15007, KPAG.

CLOSED CHAMBER SURFACE RESULTS:

PREFLOW: 12 MINS

Max dp/dt of 0.11 kpa/min in 6 mins. The pressure increased by 0.92 kpa for an average dp/dt of 0.08 kpa/min.

INITIAL SI: 66 MINS

The pressure increased by 0.8 kpa for the entire SI period.

MAINFLOW: 130 MINS

Max dp/dt of 144.6 kpa/min in 2 mins. The dp/dt was very erratic for the remainder of the MF. Pressure increased by 744 kpa in 130 mins for an average dp/dt of 5.7 kpa/min.

FINAL SI: 260 MINS

No gas breakout observed. Chamber was vented to the flare pit with gas to surface in 2 mins. No trace of H₂S in gas samples taken by Safety Hand on location.

Successful Dual Bottom Hole Conventional Test by
Schlumberger Testing Services. (Glen Carter).
Delta P Testing Engineer: Glenn Simpson

Mon, Feb 5, 1990

FCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
----------	------------------	----------------------	------------------	------------------

START OF FLOW # 1

23:43:00	.00	93.11		
23:44:00	1.00	93.17	.06	.0
23:45:00	2.00	93.25	.08	.0
23:46:00	3.00	93.30	.05	.0
23:47:00	4.00	93.36	.06	.0
23:48:00	5.00	93.36	.00	.0
23:49:00	6.00	93.47	.11	.9
23:50:00	7.00	93.52	.05	.0
23:51:00	8.00	93.76	.24	11.5
23:52:00	9.00	93.85	.09	.0
23:53:00	10.00	93.85	.00	.0
23:54:00	11.00	93.98	.13	2.5
23:55:00	12.00	94.03	.05	.0

START OF SHUT IN # 1

23:55:00	.00	94.03	.00	
23:57:00	2.00	94.17	.07	
00:02:00	7.00	94.03	-.03	
00:07:00	12.00	93.98	-.01	
00:12:00	17.00	93.92	-.01	
00:17:00	22.00	94.14	.04	
00:22:00	27.00	94.03	-.02	
00:27:00	32.00	94.14	.02	
00:32:00	37.00	94.25	.02	
00:37:00	42.00	94.41	.03	
00:42:00	47.00	94.46	.01	
00:47:00	52.00	94.44	-.00	
00:52:00	57.00	94.57	.03	
00:57:00	62.00	94.57	.00	
01:01:00	66.00	94.84	.07	

START OF FLOW # 2

01:01:00	.00	94.84		
01:02:00	1.00	95.33	.49	39.7
01:03:00	2.00	239.94	144.61	11776.9
01:04:00	3.00	250.06	10.12	824.4
01:05:00	4.00	250.17	.11	8.9
01:06:00	5.00	250.55	.38	30.9
01:07:00	6.00	250.96	.41	33.4

Mon, Feb 5, 1990

FCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
01:08:00	7.00	259.20	8.24	671.4
01:09:00	8.00	261.32	2.12	172.7
01:10:00	9.00	262.24	.92	74.9
01:11:00	10.00	264.14	1.90	154.8
01:12:00	11.00	267.67	3.53	287.7
01:13:00	12.00	268.97	1.30	105.9
01:14:00	13.00	269.62	.65	52.9
01:15:00	14.00	270.51	.89	72.5
01:16:00	15.00	312.71	42.20	3443.6
01:17:00	16.00	314.41	1.70	138.7
01:18:00	17.00	314.60	.19	15.5
01:19:00	18.00	314.71	.11	8.9
01:20:00	19.00	315.30	.59	48.1
01:21:00	20.00	318.96	3.66	298.7
01:22:00	21.00	333.13	14.17	1156.9
01:23:00	22.00	334.35	1.22	99.6
01:24:00	23.00	335.13	.78	63.7
01:25:00	24.00	335.35	.22	17.9
01:26:00	25.00	335.54	.19	15.5
01:27:00	26.00	335.89	.35	28.5
01:28:00	27.00	336.73	.84	68.6
01:29:00	28.00	337.28	.55	44.9
01:30:00	29.00	338.36	1.08	88.2
01:31:00	30.00	338.79	.43	35.1
01:32:00	31.00	364.04	25.25	2063.3
01:33:00	32.00	370.93	6.89	563.1
01:34:00	33.00	378.53	7.60	621.2
01:35:00	34.00	378.58	.05	4.0
01:36:00	35.00	378.72	.14	11.4
01:37:00	36.00	409.64	30.92	2529.8
01:38:00	37.00	410.45	.81	66.2
01:39:00	38.00	410.45	.00	.0
01:40:00	39.00	410.70	.25	20.4
01:41:00	40.00	411.79	1.09	89.1
01:42:00	41.00	413.31	1.52	124.3
01:43:00	42.00	416.05	2.74	224.2
01:44:00	43.00	425.31	9.26	757.9
01:45:00	44.00	426.20	.89	72.8
01:46:00	45.00	426.83	.63	51.5
01:47:00	46.00	427.18	.35	28.6
01:48:00	47.00	427.73	.55	45.0
01:49:00	48.00	440.41	12.68	1038.3
01:50:00	49.00	448.42	8.01	656.0
01:51:00	50.00	455.61	7.19	589.0

Mon, Feb 5, 1990

FCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
01:52:00	51.00	480.54	24.93	2043.7
01:53:00	52.00	481.22	.68	55.7
01:54:00	53.00	481.98	.76	62.3
01:55:00	54.00	483.23	1.25	102.4
01:56:00	55.00	485.24	2.01	164.7
01:57:00	56.00	487.09	1.85	151.6
01:58:00	57.00	489.67	2.58	211.5
01:59:00	58.00	501.00	11.33	929.3
02:00:00	59.00	518.00	17.00	1395.0
02:01:00	60.00	518.60	.60	49.2
02:02:00	61.00	518.46	-.14	.0
02:03:00	62.00	518.71	.25	20.5
02:04:00	63.00	519.66	.95	77.9
02:05:00	64.00	522.08	2.42	198.6
02:06:00	65.00	524.44	2.36	193.6
02:07:00	66.00	529.49	5.05	414.5
02:08:00	67.00	531.75	2.26	185.5
02:09:00	68.00	534.00	2.25	184.7
02:10:00	69.00	539.78	5.78	474.5
02:11:00	70.00	541.98	2.20	180.6
02:12:00	71.00	561.11	19.13	1571.7
02:13:00	72.00	573.11	12.00	986.2
02:14:00	73.00	573.28	.17	13.9
02:15:00	74.00	573.47	.19	15.6
02:16:00	75.00	573.52	.05	4.0
02:17:00	76.00	574.14	.62	50.9
02:18:00	77.00	588.87	14.73	1211.1
02:19:00	78.00	592.43	3.56	292.7
02:20:00	79.00	592.64	.21	17.2
02:21:00	80.00	593.89	1.25	102.7
02:22:00	81.00	596.39	2.50	205.5
02:23:00	82.00	600.36	3.97	326.5
02:24:00	83.00	601.72	1.36	111.8
02:25:00	84.00	634.24	32.52	2677.2
02:26:00	85.00	633.78	-.46	.0
02:27:00	86.00	633.59	-.19	.0
02:28:00	87.00	634.18	.59	48.5
02:29:00	88.00	636.06	1.88	154.7
02:30:00	89.00	642.20	6.14	505.5
02:31:00	90.00	651.60	9.40	774.2
02:32:00	91.00	653.01	1.41	116.1
02:33:00	92.00	654.53	1.52	125.1
02:34:00	93.00	655.70	1.17	96.3
02:35:00	94.00	688.45	32.75	2700.2

Mon, Feb 5, 1990

FCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
02:36:00	95.00	689.59	1.14	93.9
02:37:00	96.00	691.19	1.60	131.9
02:38:00	97.00	695.05	3.86	318.2
02:39:00	98.00	697.96	2.91	239.9
02:40:00	99.00	700.79	2.83	233.3
02:41:00	100.00	703.62	2.83	233.4
02:42:00	101.00	705.91	2.29	188.8
02:43:00	102.00	708.71	2.80	230.9
02:44:00	103.00	712.19	3.48	287.0
02:45:00	104.00	724.45	12.26	1011.8
02:46:00	105.00	739.87	15.42	1273.1
02:47:00	106.00	739.54	-.33	.0
02:48:00	107.00	739.63	.09	7.4
02:49:00	108.00	738.19	-1.44	.0
02:50:00	109.00	740.17	1.98	163.4
02:51:00	110.00	762.06	21.89	1808.5
02:52:00	111.00	771.42	9.36	773.4
02:53:00	112.00	780.39	8.97	741.4
02:54:00	113.00	783.95	3.56	294.2
02:55:00	114.00	784.14	.19	15.6
02:56:00	115.00	784.47	.33	27.2
02:57:00	116.00	785.45	.98	80.9
02:58:00	117.00	787.76	2.31	190.9
02:59:00	118.00	791.08	3.32	274.4
03:00:00	119.00	794.64	3.56	294.3
03:01:00	120.00	812.40	17.76	1469.3
03:02:00	121.00	815.25	2.85	235.7
03:03:00	122.00	816.07	.82	67.8
03:04:00	123.00	817.07	1.00	82.7
03:05:00	124.00	820.53	3.46	286.2
03:06:00	125.00	824.01	3.48	287.9
03:07:00	126.00	828.20	4.19	346.7
03:08:00	127.00	832.23	4.03	333.5
03:09:00	128.00	834.19	1.96	162.2
03:10:00	129.00	836.72	2.53	209.4
03:11:00	130.00	838.92	2.20	182.1

START OF SHUT IN # 2

03:11:00	.00	838.92	.00
03:12:00	1.00	843.93	5.01
03:17:00	6.00	843.96	.01
03:22:00	11.00	101.46	-148.50
03:26:00	15.00	92.97	-2.12

Mon, Feb 5, 1990

PCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

GAS FLOW RATES AND TIMES

TestTime	FlowTime	Pressure	Dp/Dt	Gas Rate
	Min.	KPa abs.	KPa/min	m3/D
END OF RECORDED DATA				

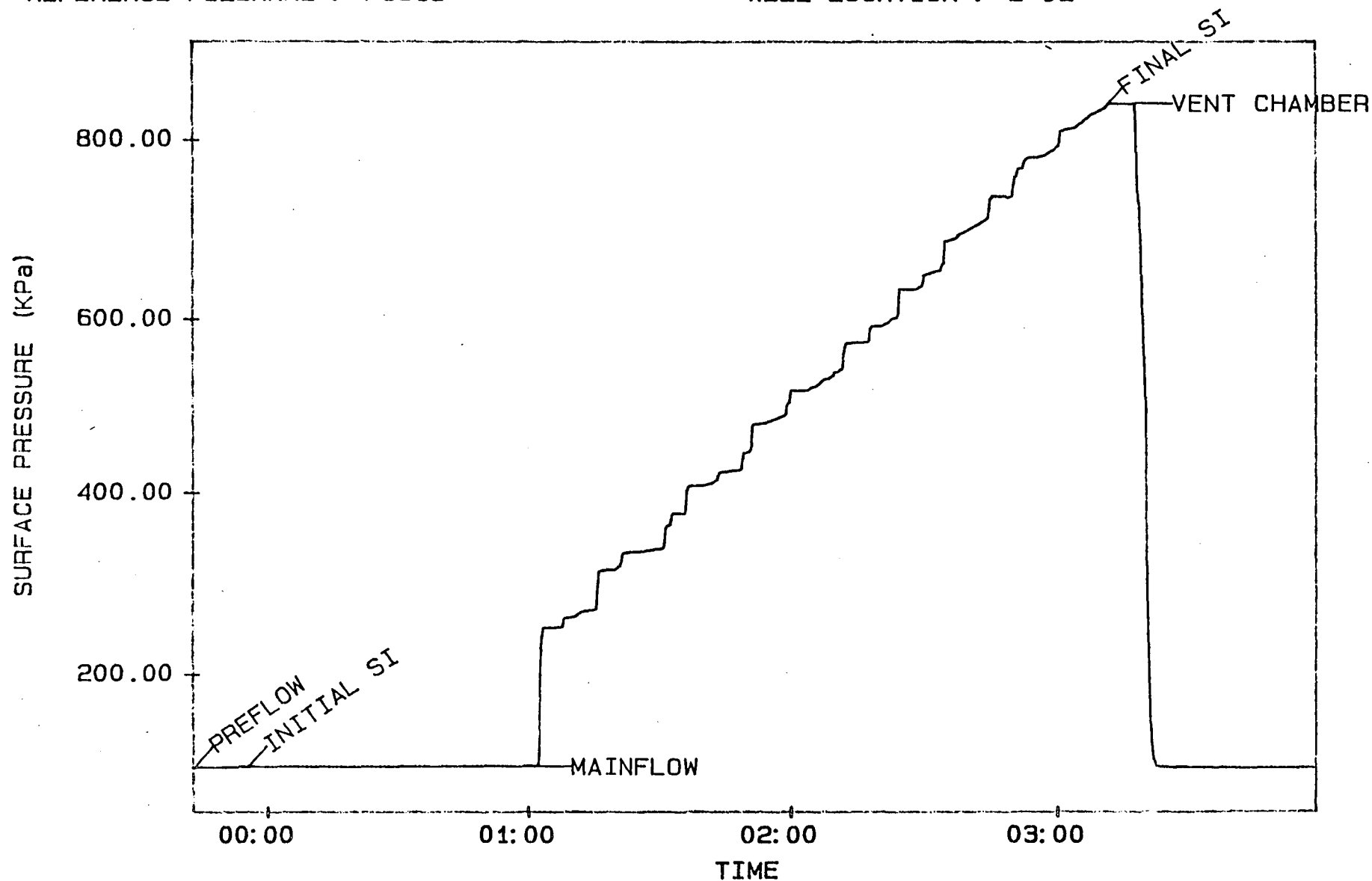
DELTA-P TEST CORP.

REFERENCE FILENAME : PCI19

TEST DATE : Mon. Feb 5, 1990

WELL NAME : PCI SWEDE

WELL LOCATION : E-02



Mon, Feb 5, 1990

PCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

PRETEST CALCULATIONS

FILENAME	PCI19.DST
GAS GRAVITY	.65
FORMATION DEPTH	1385.00 MKB
FORMATION PRESSURE	14099.30 KPAg
FORMATION TEMPERATURE	44.86 DEG C
AVE CHAMBER TEMP	24.68 DEG C
INITIAL CHM SURFACE PRESSURE	90.00 KPAA
INITIAL GAS/N2 HEAD PRESSURE	99.82 KPAA
INITIAL TOTAL CUSH. PRESSURE	99.82 KPAA
INITIAL CUSHION LENGTH	.00 m
LIQUID CUSHION GRADIENT	.00 kPA/m
DOWN HOLE CHOKE DIAMETER	12.70 mm
CHOKE COEFFICIENT	18.02 m3/D/KPA
DRILL COLLAR LENGTH	164.47 m
DRILL COLLAR I.D.	73.00 mm
DRILL COLLAR CAPACITY	.004185 m3/m
DRILL COLLAR VOLUME	.688 m3
LOWER DRILL PIPE LENGTH	1186.50 m
LOWER DRILL PIPE I.D.	73.00 mm
LOWER DRILL PIPE CAPACITY	.004185 m3/m
LOWER DRILL PIPE VOLUME	4.966 m3
UPPER DRILL PIPE LENGTH	.00 m
UPPER DRILL PIPE I.D.	.00 mm
UPPER DRILL PIPE CAPACITY	.000000 m3/m
UPPER DRILL PIPE VOLUME	.000 m3
TOTAL CHAMBER VOLUME	5.65 m3
LIQUID CUSHION VOLUME	.00 m3
NET CHAMBER VOLUME	5.65 m3

	MAX. RATE	MAX. SURFACE DP/DT
GAS	339494.9 m3/D	4134.9 KPA/min
GAS SATURATED H2O	904.6 m3/D	37.9 KPA/min
PURE LIQUID INFLUX	904.6 m3/D	10.5 KPA/min

INITIAL CONVERSION FACTORS

GAS	82.1 m3/D/KPA/min
GAS SATURATED H2O	23.9 m3/D/KPA/min
PURE LIQUID INFLUX	85.9 m3/D/KPA/min

DELTA P TEST CORPORATION

PCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1 FEB 05-06/90

OUT-REC #21623 AT 1372M

LINEAR DATA TABLE

Table No.: 1 INITIAL HYDROSTATIC

	TIME (min)	PRESSURE (kPa)		TIME (min)	PRESSURE (kPa)
1.	0.0	-52.7	25.	1121.3	15381.1
2.	48.0	2008.0	26.	1121.3	19317.7
3.	101.3	2008.0	27.	1121.3	7920.0
4.	108.0	2192.7	28.	1132.0	1155.3
5.	207.3	2192.7	29.	1132.0	9739.1
6.	345.3	7209.4	30.	1142.7	9739.1
7.	355.3	7209.4	31.	1159.3	9881.2
8.	360.7	7593.2	32.	1159.3	10648.7
9.	376.0	7593.2			
10.	451.3	9582.8			
11.	489.3	9838.6			
12.	516.7	11032.4			
13.	552.0	11032.4			
14.	662.0	15068.5			
15.	674.7	15068.5			
16.	727.3	15068.5			
17.	928.0	15068.5			
18.	1054.7	15068.5			
19.	1070.7	15452.2			
20.	1070.7	18536.1			
21.	1070.7	9966.5			
22.	1070.7	15082.7			
23.	1092.0	15082.7			
24.	1096.0	15381.1			

Table No.: 2 1st FLOW

	TIME (min)	PRESSURE (kPa)
1.	1160.0	2050.6
2.	1163.3	1709.5
3.	1166.0	1325.8
4.	1171.3	1126.9

Table No.: 3 1st SHUT-IN

	TIME	PRESSURE
	(min)	(kPa)
1.	1171.3	1126.9
2.	1180.0	3414.9
3.	1187.3	4551.9
4.	1199.3	6285.7
5.	1206.0	7195.2
6.	1209.3	7536.3
7.	1216.0	8133.2
8.	1224.7	8744.3
9.	1231.3	9042.7

Table No.: 4 2nd FLOW

	TIME	PRESSURE
	(min)	(kPa)
1.	1233.3	728.9
2.	1244.0	814.2
3.	1283.3	899.5
4.	1300.0	984.8
5.	1320.7	1084.2
6.	1331.3	1141.1
7.	1340.7	1212.1
8.	1353.3	1340.0

Table No.: 5 2nd SHUT-IN

	TIME	PRESSURE
	(min)	(kPa)
1.	1353.3	1340.0
2.	1360.7	3500.2
3.	1368.0	5361.9
4.	1376.7	7166.8
5.	1381.3	7721.1
6.	1386.0	8232.7
7.	1390.7	8701.7
8.	1396.7	9142.2
9.	1402.0	9383.8
10.	1408.7	9582.8
11.	1414.7	9653.8
12.	1424.7	9696.5
13.	1444.0	9753.3
14.	1470.7	9781.7
15.	1513.3	9810.2
16.	1554.7	9838.6
17.	1586.7	9838.6
18.	1606.0	9838.6

Table No.: 6 3rd FLOW

	TIME	PRESSURE
	(min)	(kPa)
1.	1606.0	657.9
2.	1616.7	487.3
3.	1629.3	387.9
4.	1638.0	274.2
5.	1648.0	231.5
6.	1663.3	160.5

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DELTA P TEST CORPORATION

PRESSURE vs TIME

PCI SWEDE

E-02

SLAVE POINT/1370-1396

DST # 1

OUT-REC #21623 AT 1372M

FEB 05-06/90

21

PRESSURE (kPa x 10⁻³)

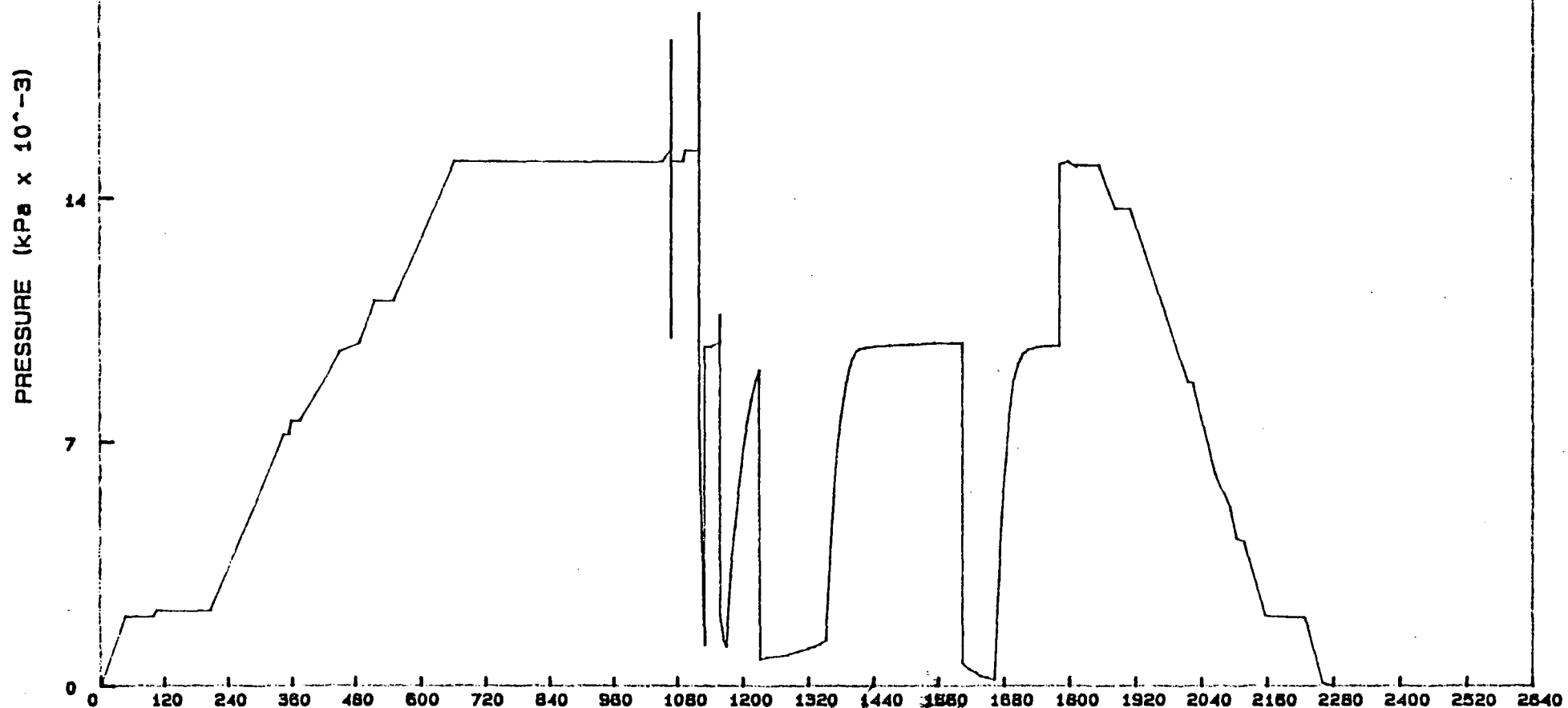
14

7

0

RELATIVE TIME (minutes)

0 120 240 360 480 600 720 840 960 1080 1200 1320 1440 1560 1680 1800 1920 2040 2160 2280 2400 2520 2640



**B) DST #1 SLAVE POINT 1370-1396 M
DRILLSTEM TEST REPORT**

LEVEL I FLOPETROL JOHNSTON™ DST REPORT
for

PETRO CANADA INCORPORATED

Well: PCI SWEDE E-02

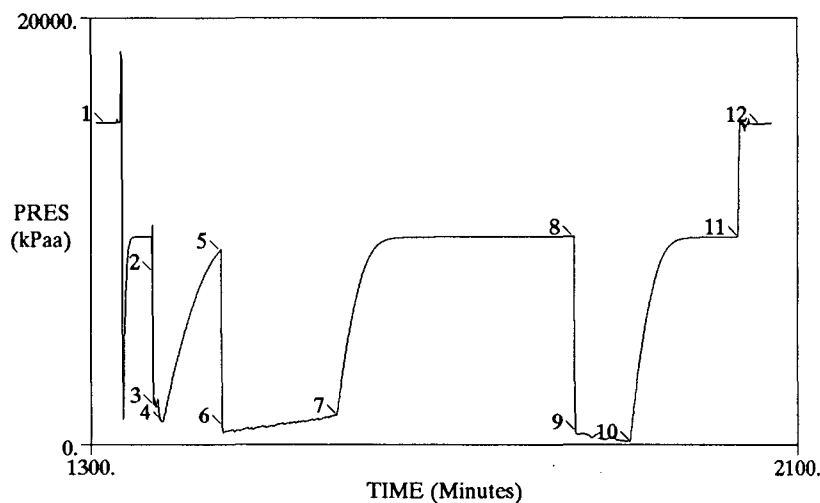
DST #ONE: SLAVE POINT FORMATION - (1370. - 1396.M)

*****Test Reference Number: 300926AI*****

Test Data

#	Explanation	P(kPa)	T(min)
1	HYDROSTATIC	15089.0	1315.0
2	REFERENCE TIME	8190.9	1369.5
3	START FLOW	1869.1	1370.5
4	START SHUT-IN	1084.5	1381.5
5	END SHUT-IN	9161.6	1446.5
6	START FLOW	936.3	1448.5
7	START SHUT-IN	1398.9	1577.5
8	END SHUT-IN	9824.9	1842.0
9	START FLOW	638.4	1845.0
10	START SHUT-IN	165.4	1906.5
11	END SHUT-IN	9800.1	2030.0
12	HYDROSTATIC	15022.1	2055.0

BOTTOMHOLE PRESSURE LOG



Test Results [BOTTOMHOLE CONVENTIONAL]

FINAL SHUTIN PRESSURE	9824kPa
RESERVOIR TEMPERATURE	54C
PRODUCTION RATE	CLOSED CHAMBER - DELTA P
NET PIPE RECOVERY	4 m DRILLING FLUID, 34 m CAKED IN PIPE, 41 m UNLOADED DURING THIRD FLOW PERIOD.

Blow Description

PREFLOW	CLOSED CHAMBER WITH DELTA-P
MAINFLOW	CLOSED CHAMBER WITH DELTA-P, ESTIMATED GAS RATE OF 470 m3/DAY

Comments

This was a mechanically successful test of the Slave Point formation from 1370 - 1396 mkb. The first two flow periods were conducted under closed chamber conditions, the third flow period was conducted conventionally. A completed Level II analysis is included with this report.

The recovery recorder indicates that 8 m of water/inhibitor was used, 53 m of fluid entered the drill-string while skidding, 16 m entered during the second flow period. The third flow unloaded approximately 41 m of drilling fluid, and 34 m of mud was caked to the inside of the drillpipe. Net pipe recovery was 4 m.

If you require further information, please contact Brian Jordan at 231-9625.

Flowrate Summary and Sequence of Events

LABEL POINT #	TIME of DAY (HH:MM:SS)	EXPLANATION	DURATION (min)	BHP (kPa)	BHT (Deg C)	SURF PRESS (kPa)	FLOW RATE (m3/d)
1	22:42:30	HYDROSTATIC		15089.0	50.8		
2	23:37:00	REFERENCE TIME	54.5	8190.9	51.8		
3	23:38:00	START FLOW	1.0	1869.1	51.8		
4	23:49:00	START SHUT-IN	11.0	1084.5	51.8		
5	0:54:00	END SHUT-IN	65.0	9161.6	53.4		
6	0:56:00	START FLOW	2.0	936.3	52.7		
7	3:05:00	START SHUT-IN	129.0	1398.9	52.3		
8	7:29:30	END SHUT-IN	264.5	9824.9	53.3		
9	7:32:30	START FLOW	3.0	638.4	52.5		
10	8:34:00	START SHUT-IN	61.5	165.4	51.8		
11	10:37:30	END SHUT-IN	123.5	9800.1	55.1		
12	11:02:30	HYDROSTATIC	25.0	15022.1	54.3		

Sample Data

Sample #/Source	Description	RESISTIVITY ohm @ C	Salinity PPM(NaCl)
1-MUD TANKS	DRILLING MUD FILTRATE	5.08 @ 14 3.51 @ 14	1300 1800
2-			
3-			
4-			
5-GAS BOMB	LOW PRESSURE GAS #7002-AGAT	NA	NA

Samples Sent To: CORE LABORATORIES

Hole Conditions

Total Depth(MD/TVD)	1396 m
Ground Level	805.05 m
Kelly Bushing	810.10 m
Hole Size	200 mm
Mud Weight	1130 kg/m3
Mud Type	GEL CHEM

Test String Configuration

Pipe Length/I.D.	1186.50 m / 73 mm
Collar Length/I.D.	164.47 m / 73 mm
Packer Depths	1370 m
Bottomhole Choke Size	12.7 mm
Gauge Depth/Type	1371.33 m / STARBURST

Tool Sequence:

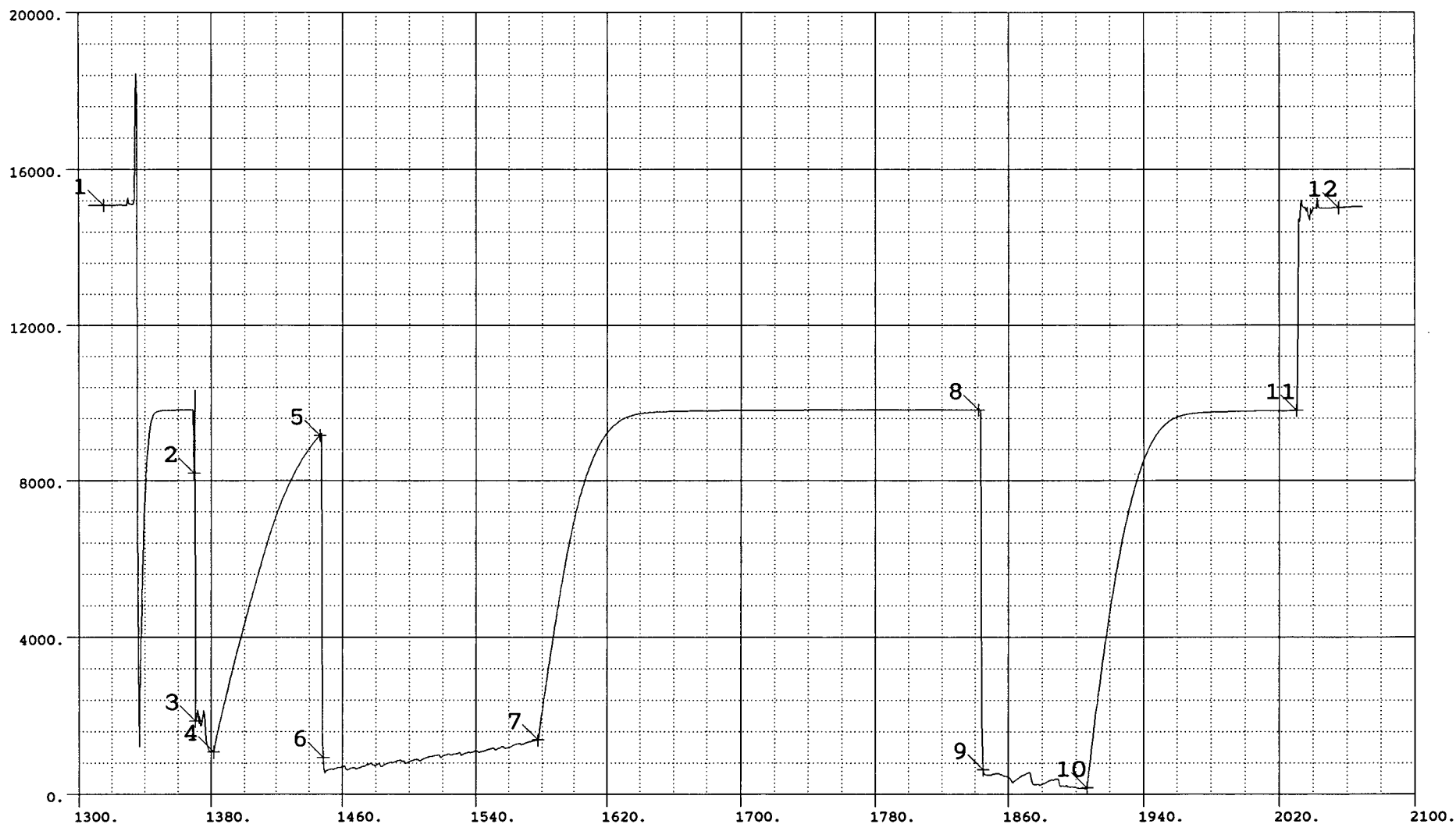
#	DESCRIPTION	LENGTH(m)	DEPTH(m)
0	DRILL PIPE TOP	0.00	-0.90
1	Drill Pipe 3 1/2PH6-12.95KG	1186.50	1185.60
2	Crossover 3 1/2PH6-3 1/2IF	0.30	1185.90
3	OTHER Safety valve	2.91	1188.81
4	Crossover 3 1/2IF-3 1/2FH	0.30	1189.11
5	Crossover 3 1/2FH-5H90	0.30	1189.41
6	Drill Collars 171mm	136.57	1325.98
7	Pumpout Sub Pressure type	0.17	1326.15
8	Pumpout Sub Pin type	0.17	1326.32
9	Drill Collars 171mm	27.90	1354.22
10	Crossover 5H90-3 1/2FH	0.30	1354.52
11	Elec.Recorder SB#50094	1.34	1355.86
12	Choke Sub 12.7mm	0.30	1356.16
13	MFE [Test Valve] SC#13142,133141	3.92	1360.08
14	Bypass	0.91	1360.99
15	Recorder AK1 #2062	1.80	1362.79
16	Jars	2.28	1365.07
17	Safety Joint	0.55	1365.62
18	Safety Seal Packer 197mm	2.82	1368.44
19	REFERENCE PACKER 197mm	1.56	1370.00
20	Packer Stub	0.33	1370.33
21	Recorder K3 #21623,17730	2.14	1372.47
22	Recorder SB#50115	0.00	1372.47
23	OTHER Slotted anchor	3.04	1375.51
24	Blank Anchor	1.52	1377.03
25	Crossover 3 1/2FH-5H90	0.30	1377.33
26	Drill Collars 171mm	17.64	1394.97
27	Crossover 5H90-3 1/2FH	0.30	1395.27
28	Bullnose	0.45	1395.72

BOTTOMHOLE PRESSURE PLOT

FIELD REPORT NO. : 300926AI
INSTRUMENT NO. : SM-50115
DEPTH : 1371.33 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : OUTSIDE

COMPANY : PETRO CANADA INCORPORATED
WELL : PCI SWEDE E-02
DST# : ONE

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]

Y-AXIS = BOTTOMHOLE PRESSURE [KPA (ABS)]

X-AXIS

BOTTOMHOLE TEMPERATURE PLOT

FIELD REPORT NO. : 300926AI
INSTRUMENT NO. : SM-50115
DEPTH : 1371.33 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : OUTSIDE

COMPANY : PETRO CANADA INCORPORATED
WELL : PCI SWEDE E-02
DST# : ONE

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]

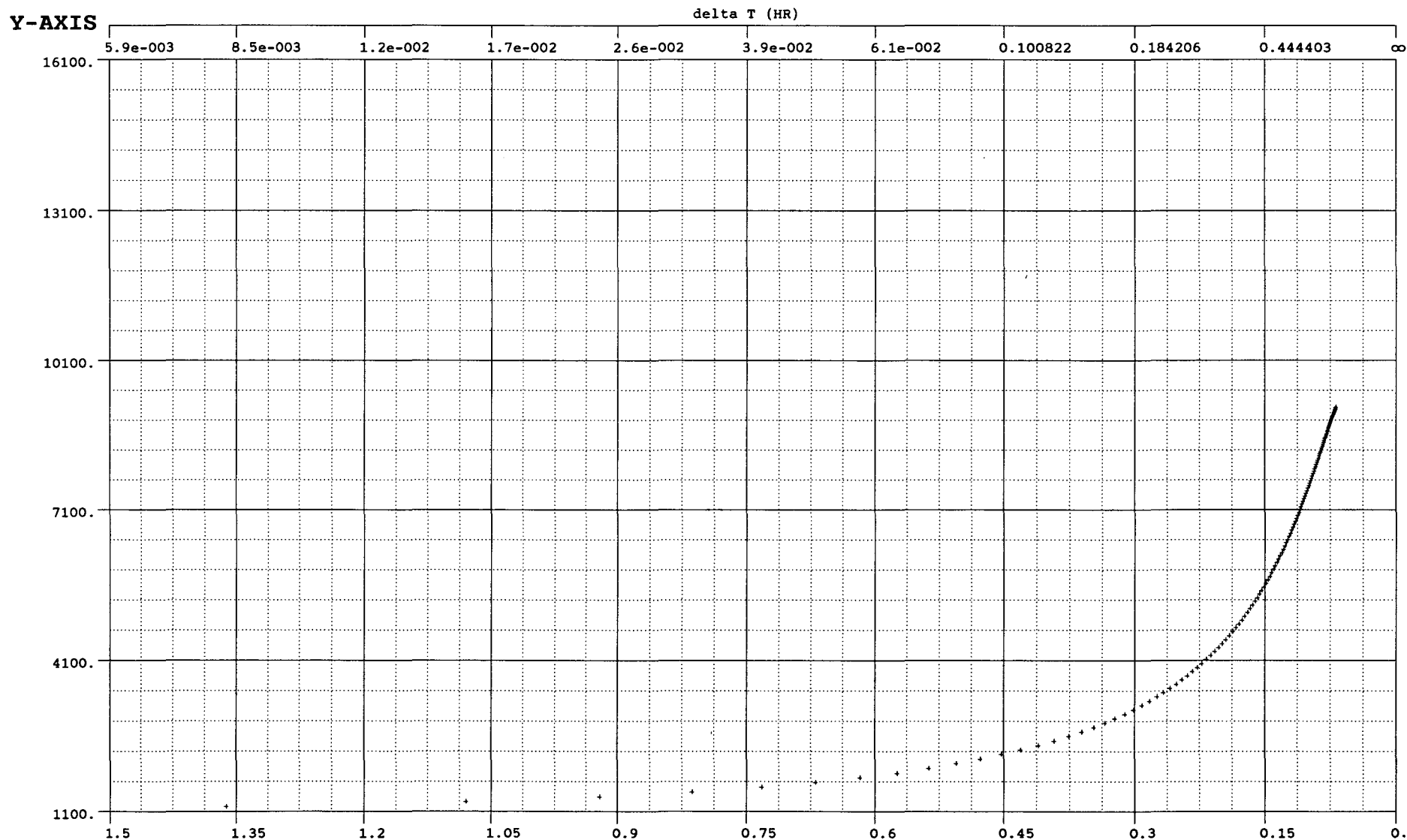
Y-AXIS = BOTTOMHOLE TEMPERATURE [CEL]

X-AXIS

H O R N . . P L O T

FIELD REPORT#: 300926AI
 INSTRUMENT#: SM-50115
 ELAPSED TIME RANGE: 1381.5 - 1446.5 MIN.
 Delta_T TIME RANGE: 8.3e-003 - 1.083333 HR.
 PRODUCING TIME [Tp]: 0.1833333333 HR.

COMPANY: PETRO CANADA INCORPORATED
 WELL: PCI SWEDE E-02
 SHUTIN#: ONE
 DST#: ONE



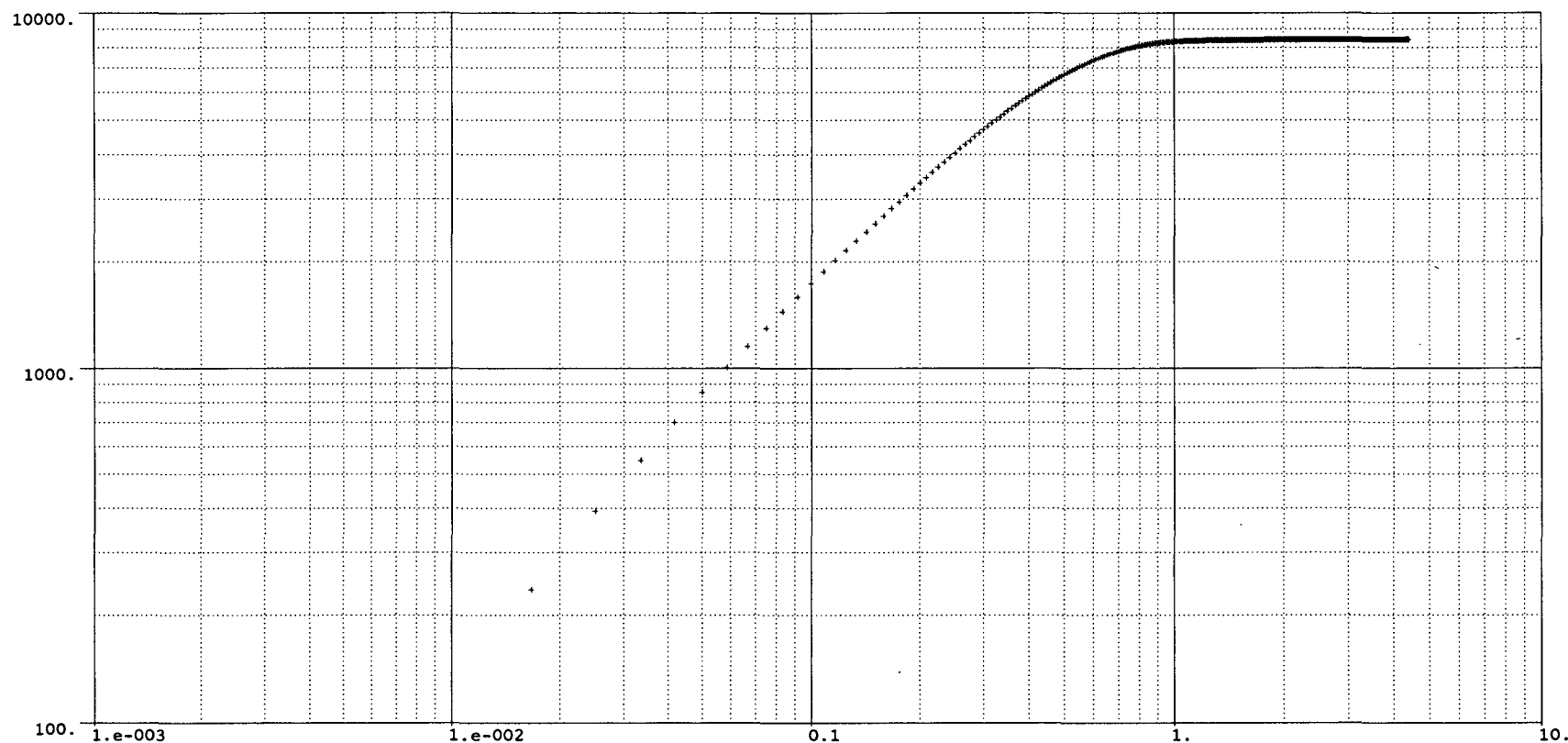
X-AXIS = LOG [(Tp + delta T) / delta T]
Y-AXIS = SHUTIN PRESSURE [KPA (ABS)]

LOG - L G P L O T

FIELD REPORT#: 300926AI
INSTRUMENT#: SM-50115
ELAPSED TIME RANGE: 1577.5 - 1842. MIN.
Delta_T TIME RANGE: 8.3e-003 - 4.408333 HR.

COMPANY: PETRO CANADA INCORPORATED
WELL: PCI SWEDE E-02
SHUTIN#: TWO
DST#: ONE

Y-AXIS

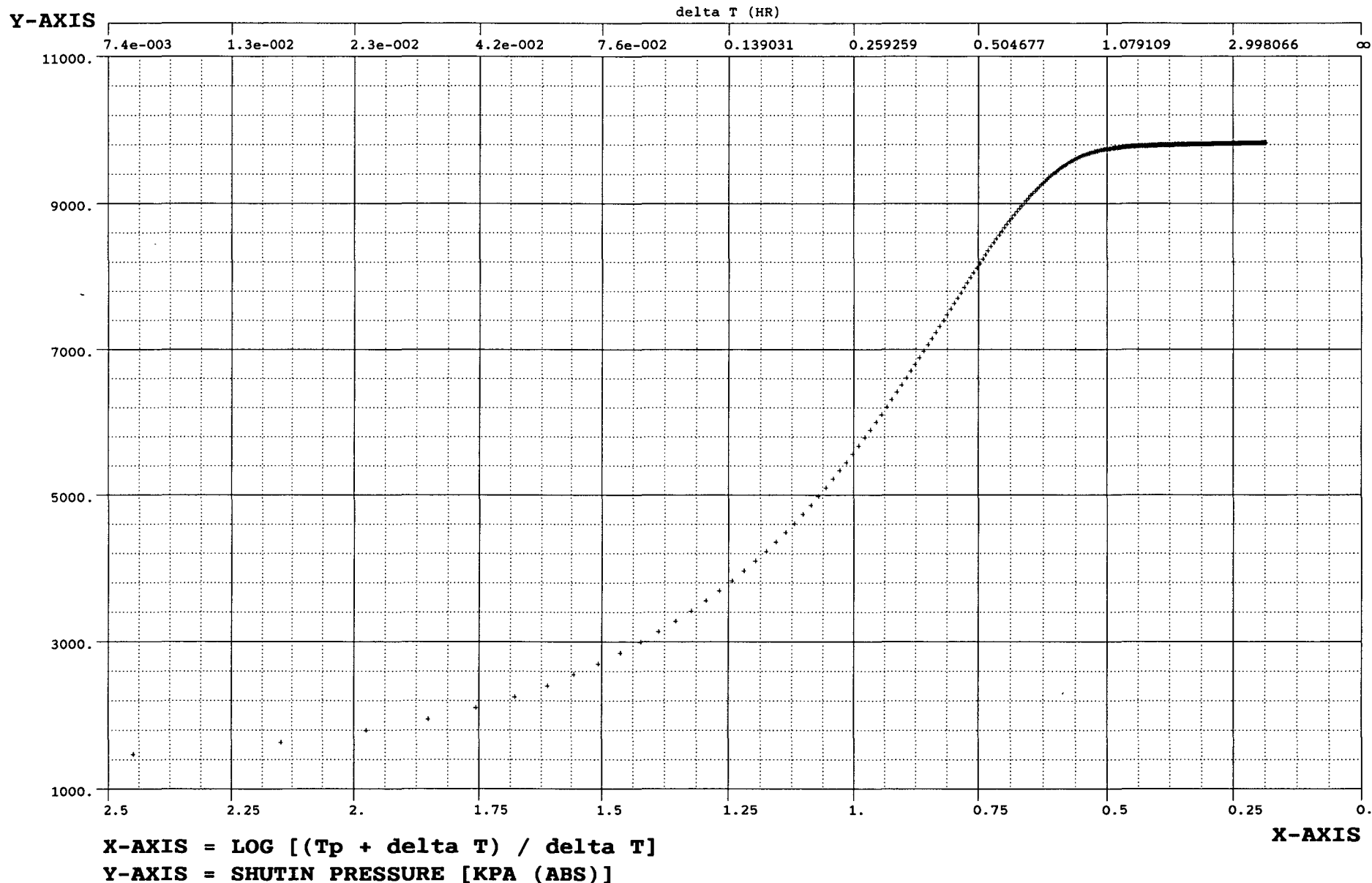


X-AXIS

X-AXIS = delta T (HR)
Y-AXIS = delta P (KPA)

FIELD REPORT#: 300926AI
INSTRUMENT#: SM-50115
ELAPSED TIME RANGE: 1577.5 - 1842. MIN.
Delta T TIME RANGE: 8.3e-003 - 4.408333 HR.
PRODUCING TIME [Tp]: 2.333333333 HR.

COMPANY: PETRO CANADA INCORPORATED
WELL: PCI SWEDE E-02
SHUTIN#: TWO
DST#: ONE

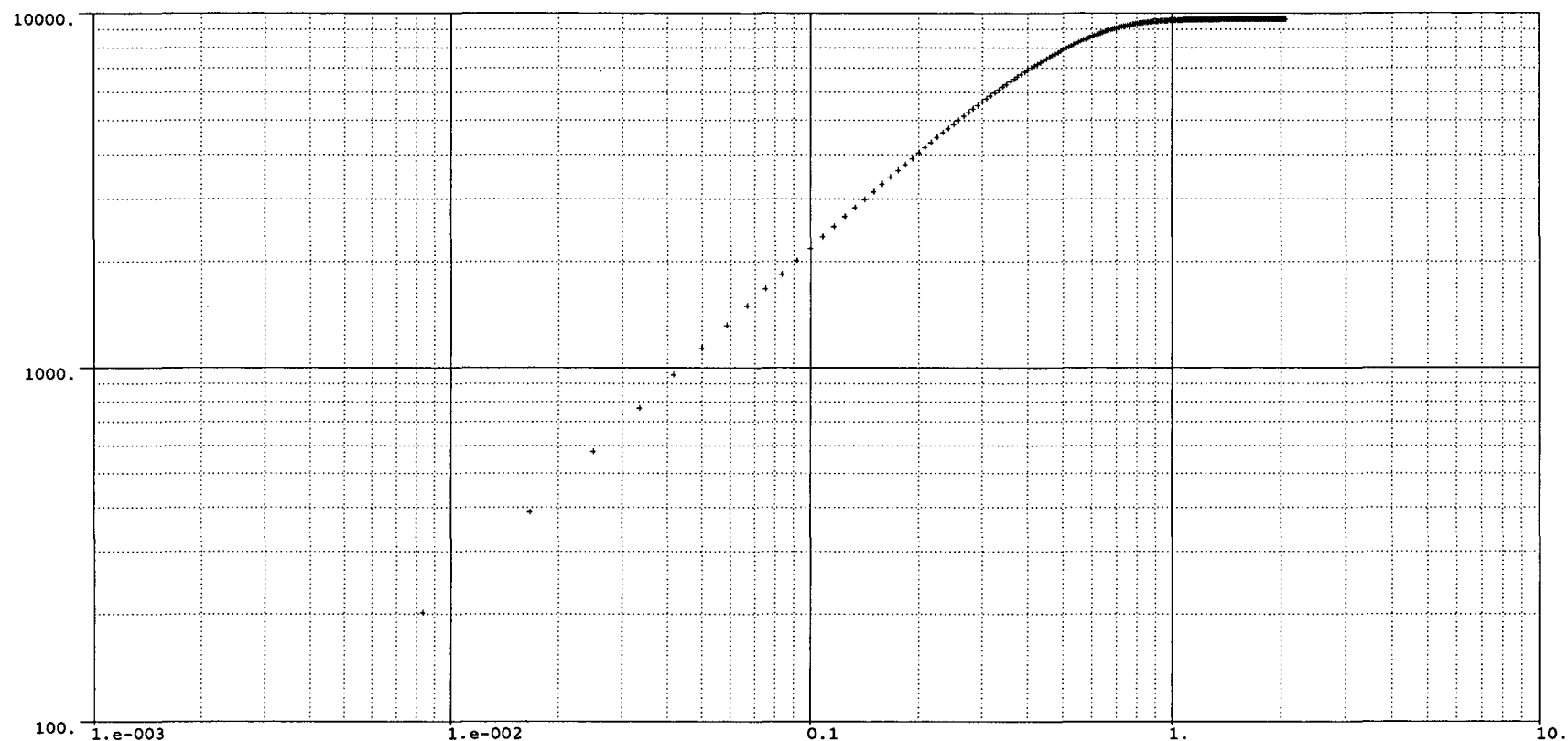


L O G - L O G P L O T

FIELD REPORT#: 300926AI
INSTRUMENT#: SM-50115
ELAPSED TIME RANGE: 1906.5 - 2030. MIN.
Delta_T TIME RANGE: 8.3e-003 - 2.058333 HR.

COMPANY: PETRO CANADA INCORPORATED
WELL: PCI SWEDE E-02
SHUTIN#: THREE
DST#: ONE

Y-AXIS



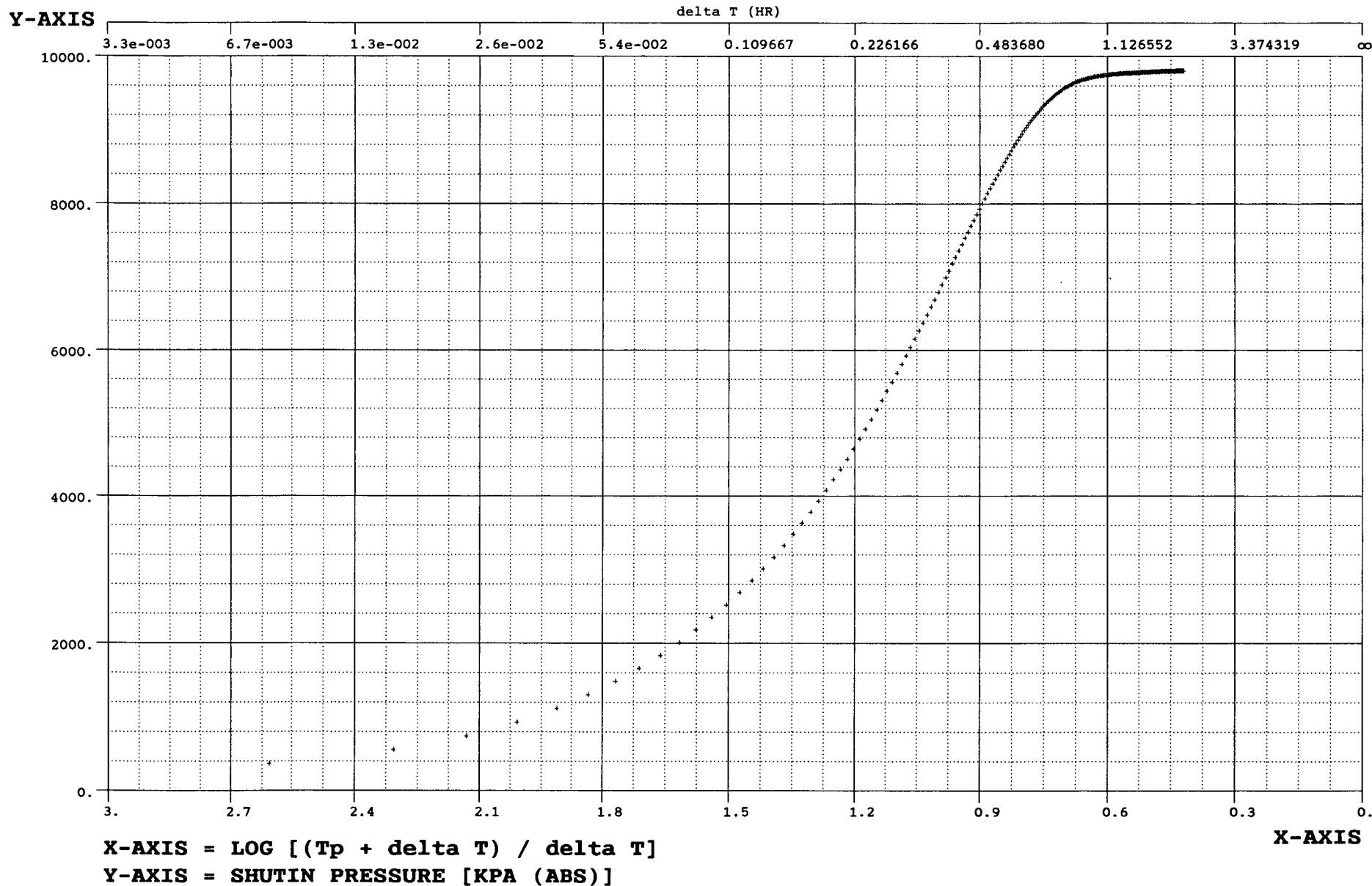
X-AXIS

X-AXIS = delta T (HR)
Y-AXIS = delta P (KPA)

H O R N P L O T

FIELD REPORT#: 300926AI
INSTRUMENT#: SM-50115
ELAPSED TIME RANGE: 1906.5 - 2030. MIN.
Delta T TIME RANGE: 8.3e-003 - 2.058333 HR.
PRODUCING TIME [Tp]: 3.358333333 HR.

COMPANY: PETRO CANADA INCORPORATED
WELL: PCI SWEDE E-02
SHUTIN#: THREE
DST#: ONE



TEST REFERENCE#: 300926AI FILE STARTS: 22:32:30 on February 5, 1990

LEGEND: ET=Elaped time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1306.0	15089.0	50.8	1346.0	9736.0	51.3	1386.0	1960.8	51.8	1426.0	7730.3	53.8
1306.5	15086.9	50.8	1346.5	9756.6	51.3	1386.5	2053.9	51.8	1426.5	7777.9	53.8
1307.0	15089.0	50.8	1347.0	9770.4	51.3	1387.0	2147.0	51.8	1427.0	7826.1	53.8
1307.5	15087.6	50.8	1347.5	9778.7	51.3	1387.5	2237.3	51.8	1427.5	7874.4	53.8
1308.0	15089.0	50.8	1348.0	9784.9	51.3	1388.0	2329.0	51.8	1428.0	7918.5	53.8
1308.5	15089.0	50.8	1348.5	9791.1	51.3	1388.5	2417.2	51.9	1428.5	7964.0	53.8
1309.0	15089.7	50.8	1349.0	9796.6	51.3	1389.0	2507.6	51.9	1429.0	8009.5	53.8
1309.5	15089.0	50.8	1349.5	9798.0	51.3	1389.5	2597.2	52.0	1429.5	8053.6	53.8
1310.0	15089.7	50.8	1350.0	9800.1	51.3	1390.0	2686.1	52.0	1430.0	8095.0	53.8
1310.5	15089.0	50.8	1350.5	9802.1	51.3	1390.5	2775.8	52.1	1430.5	8139.1	53.8
1311.0	15089.0	50.8	1351.0	9802.8	51.3	1391.0	2864.7	52.2	1431.0	8179.8	53.8
1311.5	15089.0	50.8	1351.5	9805.6	51.3	1391.5	2951.6	52.2	1431.5	8221.9	53.8
1312.0	15086.9	50.8	1352.0	9807.0	51.3	1392.0	3038.4	52.3	1432.0	8263.2	53.8
1312.5	15089.0	50.8	1352.5	9808.4	51.3	1392.5	3125.3	52.3	1432.5	8303.2	53.8
1313.0	15087.6	50.8	1353.0	9808.4	51.4	1393.0	3208.7	52.3	1433.0	8341.8	53.8
1313.5	15089.0	50.8	1353.5	9808.4	51.5	1393.5	3294.9	52.3	1433.5	8379.8	53.8
1314.0	15089.0	50.8	1354.0	9809.7	51.5	1394.0	3379.7	52.3	1434.0	8418.4	53.8
1314.5	15087.6	50.8	1354.5	9809.7	51.6	1394.5	3462.5	52.3	1434.5	8456.3	53.8
1315.0	15089.0	50.8	1355.0	9810.4	51.7	1395.0	3546.6	52.3	1435.0	8492.2	53.8
1315.5	15089.7	50.8	1355.5	9810.4	51.7	1395.5	3628.6	52.3	1435.5	8528.7	53.8
1316.0	15089.7	50.8	1356.0	9809.7	51.8	1396.0	3710.7	52.3	1436.0	8563.2	53.8
1316.5	15089.0	50.8	1356.5	9811.1	51.8	1396.5	3792.7	52.4	1436.5	8598.3	53.8
1317.0	15089.7	50.8	1357.0	9812.5	51.8	1397.0	3874.8	52.4	1437.0	8632.1	53.8
1317.5	15089.7	50.8	1357.5	9811.8	51.8	1397.5	3951.3	52.5	1437.5	8667.3	53.8
1318.0	15087.6	50.8	1358.0	9811.8	51.8	1398.0	4034.7	52.5	1438.0	8699.7	53.8
1318.5	15090.4	50.8	1358.5	9813.9	51.8	1398.5	4114.7	52.6	1438.5	8730.7	53.8
1319.0	15089.0	50.8	1359.0	9813.2	51.8	1399.0	4192.6	52.7	1439.0	8763.1	53.8
1319.5	15089.7	50.8	1359.5	9813.9	51.8	1399.5	4271.9	52.7	1439.5	8793.5	53.8
1320.0	15089.0	50.8	1360.0	9813.2	51.8	1400.0	4351.9	52.8	1440.0	8823.8	53.8
1320.5	15089.7	50.8	1360.5	9814.6	51.8	1400.5	4432.6	52.8	1440.5	8852.7	53.9
1321.0	15089.0	50.8	1361.0	9815.2	51.8	1401.0	4510.5	52.8	1441.0	8881.7	53.9
1321.5	15089.0	50.8	1361.5	9814.6	51.8	1401.5	4588.4	52.8	1441.5	8910.7	54.0
1322.0	15090.4	50.8	1362.0	9815.2	51.8	1402.0	4666.3	52.8	1442.0	8937.5	54.1
1322.5	15089.7	50.8	1362.5	9815.9	51.8	1402.5	4744.2	52.8	1442.5	8963.1	54.1
1323.0	15090.4	50.8	1363.0	9815.9	51.8	1403.0	4819.3	52.8	1443.0	8991.3	54.2
1323.5	15089.7	50.8	1363.5	9815.9	51.8	1403.5	4897.3	52.8	1443.5	9017.5	54.2
1324.0	15090.4	50.8	1364.0	9815.9	51.8	1404.0	4972.4	52.8	1444.0	9043.0	54.3
1324.5	15090.4	50.8	1364.5	9816.6	51.8	1404.5	5047.6	52.8	1444.5	9068.5	54.1
1325.0	15090.4	50.8	1365.0	9815.9	51.8	1405.0	5121.3	52.8	1445.0	9092.0	53.9
1325.5	15090.4	50.8	1365.5	9818.0	51.8	1405.5	5194.4	52.8	1445.5	9116.1	53.7
1326.0	15089.7	50.8	1366.0	9816.6	51.8	1406.0	5268.9	52.8	1446.0	9139.6	53.6
1326.5	15089.7	50.8	1366.5	9819.4	51.8	1406.5	5341.3	52.8	1446.5	9161.6	53.4
1327.0	15089.7	50.8	1367.0	9816.6	51.8	1407.0	5412.3	52.8	1447.0	9156.1	53.2
1327.5	15089.7	50.8	1367.5	9816.6	51.8	1407.5	5484.7	52.8	1447.5	9229.2	53.0
1328.0	15089.7	50.8	1368.0	9816.6	51.8	1408.0	5556.4	52.8	1448.0	1347.2	52.8
1328.5	15089.7	50.8	1368.5	9818.0	51.8	1408.5	5627.4	52.9	1448.5	936.3	52.7
1329.0	15085.6	50.8	1369.0	9818.7	51.8	1409.0	5696.4	52.9	1449.0	656.3	52.7
1329.5	15276.5	50.8	1369.5	8190.9	51.8	1409.5	5767.4	53.0	1449.5	539.1	52.6
1330.0	15125.5	50.8	1370.0	10337.9	51.8	1410.0	5837.7	53.1	1450.0	589.4	52.5
1330.5	15119.3	50.8	1370.5	1869.1	51.8	1410.5	5906.6	53.1	1450.5	606.7	52.5
1331.0	15118.6	50.8	1371.0	1870.5	51.8	1411.0	5974.9	53.2	1451.0	620.5	52.4
1331.5	15115.9	50.8	1371.5	2063.5	51.8	1411.5	6043.2	53.2	1451.5	622.5	52.4
1332.0	15114.5	50.8	1372.0	2159.4	51.8	1412.0	6110.0	53.3	1452.0	626.7	52.3
1332.5	15113.8	50.8	1372.5	1808.4	51.8	1412.5	6177.6	53.3	1452.5	637.7	52.2
1333.0	15113.1	50.9	1373.0	1986.3	51.8	1413.0	6242.4	53.3	1453.0	643.9	52.2
1333.5	15233.1	51.0	1373.5	1747.8	51.8	1413.5	6308.6	53.3	1453.5	650.1	52.1
1334.0	17711.1	51.0	1374.0	1754.7	51.8	1414.0	6373.4	53.3	1454.0	648.1	52.0
1334.5	18444.0	51.1	1374.5	1890.5	51.8	1414.5	6437.5	53.3	1454.5	637.7	52.0
1335.0	17793.8	51.2	1375.0	2017.3	51.8	1415.0	6501.7	53.3	1455.0	646.0	51.9
1335.5	7092.5	51.2	1375.5	2142.8	51.8	1415.5	6564.4	53.3	1455.5	657.0	51.9
1336.0	3320.4	51.3	1376.0	2038.7	51.8	1416.0	6626.4	53.3	1456.0	661.8	51.8
1336.5	1209.3	51.3	1376.5	1623.0	51.8	1416.5	6689.2	53.3	1456.5	672.2	51.7
1337.0	2382.8	51.3	1377.0	1385.1	51.8	1417.0	6749.2	53.3	1457.0	679.1	51.7
1337.5	3754.8	51.3	1377.5	1269.3	51.8	1417.5	6809.8	53.3	1457.5	678.4	51.6
1338.0	4775.2	51.3	1378.0	1188.6	51.8	1418.0	6869.1	53.3	1458.0	679.1	51.5
1338.5	5659.8	51.3	1378.5	1141.0	51.8	1418.5	6927.1	53.3	1458.5	689.4	51.5
1339.0	6416.8	51.3	1379.0	1103.8	51.8	1419.0	6985.7	53.3	1459.0	696.3	51.4
1339.5	7041.5	51.3	1379.5	1084.5	51.8	1419.5	7042.2	53.3	1459.5	700.5	51.3
1340.0	7572.4	51.3	1380.0	1081.0	51.8	1420.0	7102.2	53.3	1460.0	705.3	51.3
1340.5	8024.7	51.3	1380.5	1083.1	51.8	1420.5	7158.7	53.4	1460.5	712.9	51.3
1341.0	8403.2	51.3	1381.0	1083.8	51.8	1421.0	7213.2	53.4	1461.0	720.4	51.3
1341.5	8714.2	51.3	1381.5	1084.5	51.8	1421.5	7267.7	53.5	1461.5	720.4	51.3
1342.0	8968.6	51.3	1382.0	1195.5	51.8	1422.0	7322.1	53.6	1462.0	641.8	51.3
1342.5	9170.6	51.3	1382.5	1292.0	51.8	1422.5	7372.5	53.6	1462.5	628.1	51.3
1343.0	9331.9	51.3	1383.0	1390.6	51.8	1423.0	7426.9	53.7	1463.0	619.1	51.3
1343.5	9453.3	51.3	1383.5	1488.5	51.8	1423.5	7479.3	53.7	1463.5	631.5	51.3
1344.0	9547.0	51.3	1384.0	1583.7	51.8	1424.0	7531.0	53.8	1464.0	645.3	51.3
1344.5	9618.7	51.3	1384.5	1678.8	51.8	1424.5	7582.1	53.8	1464.5	654.9	51.3
1345.0	9673.2	51.3	1385.0	1774.0	51.8	1425.0	7631.7	53.8	1465.0	666.7	51.3
1345.5	9710.4	51.3	1385.5	1868.4	51.8	1425.5	7681.3	53.8	1465.5	670.8	51.3

TEST REFERENCE#: 300926AI FILE STARTS: 22:32:30 on February 5, 1990

LEGEND: ET=Elaped time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1466.0	677.7	51.3	1506.0	852.1	51.88	1546.0	1119.0	51.8	1586.0	3827.9	52.5
1466.5	679.1	51.3	1506.5	855.6	51.8	1546.5	1130.0	51.8	1586.5	3962.3	52.6
1467.0	680.5	51.3	1507.0	871.4	51.8	1547.0	1136.2	51.8	1587.0	4094.7	52.7
1467.5	679.8	51.3	1507.5	882.5	51.8	1547.5	1143.1	51.8	1587.5	4226.4	52.7
1468.0	643.9	51.3	1508.0	898.3	51.8	1548.0	1150.7	51.8	1588.0	4353.3	52.8
1468.5	661.2	51.3	1508.5	910.1	51.8	1548.5	1159.6	51.8	1588.5	4480.8	52.9
1469.0	662.5	51.3	1509.0	921.1	51.8	1549.0	1161.0	51.8	1589.0	4607.7	52.9
1469.5	672.9	51.3	1509.5	926.6	51.8	1549.5	1172.7	51.8	1589.5	4732.5	53.0
1470.0	677.7	51.3	1510.0	938.3	51.8	1550.0	1174.8	51.8	1590.0	4856.6	53.1
1470.5	686.0	51.3	1510.5	943.8	51.8	1550.5	1185.1	51.8	1590.5	4979.3	53.1
1471.0	693.6	51.3	1511.0	948.7	51.8	1551.0	1176.9	51.8	1591.0	5095.8	53.2
1471.5	706.7	51.3	1511.5	954.9	51.8	1551.5	1130.7	51.8	1591.5	5217.2	53.2
1472.0	712.2	51.3	1512.0	962.5	51.8	1552.0	1131.4	51.8	1592.0	5334.4	53.3
1472.5	721.1	51.3	1512.5	972.1	51.8	1552.5	1143.8	51.8	1592.5	5448.1	53.3
1473.0	725.3	51.3	1513.0	968.0	51.8	1553.0	1156.2	51.8	1593.0	5562.6	53.3
1473.5	728.7	51.3	1513.5	971.4	51.8	1553.5	1170.7	51.8	1593.5	5673.6	53.3
1474.0	743.9	51.3	1514.0	981.1	51.8	1554.0	1178.9	51.8	1594.0	5785.3	53.3
1474.5	757.0	51.3	1514.5	986.6	51.8	1554.5	1192.0	51.8	1594.5	5892.9	53.3
1475.0	764.6	51.3	1515.0	997.6	51.8	1555.0	1203.1	51.8	1595.0	6000.4	53.3
1475.5	759.1	51.3	1515.5	999.7	51.8	1555.5	1212.0	51.8	1595.5	6104.5	53.3
1476.0	773.5	51.3	1516.0	990.0	51.8	1556.0	1221.0	51.8	1596.0	6207.9	53.3
1476.5	783.9	51.3	1516.5	996.2	51.8	1556.5	1221.0	51.8	1596.5	6311.4	53.4
1477.0	794.9	51.4	1517.0	1001.1	51.8	1557.0	1183.8	51.8	1597.0	6410.0	53.4
1477.5	785.9	51.5	1517.5	1006.6	51.8	1557.5	1170.7	51.8	1597.5	6508.5	53.5
1478.0	742.5	51.5	1518.0	991.4	51.8	1558.0	1174.8	51.8	1598.0	6606.5	53.6
1478.5	749.4	51.6	1518.5	939.7	51.8	1558.5	1185.1	51.8	1598.5	6700.9	53.6
1479.0	743.9	51.7	1519.0	945.9	51.8	1559.0	1178.9	51.8	1599.0	6793.3	53.7
1479.5	724.6	51.7	1519.5	959.0	51.8	1559.5	1187.2	51.8	1599.5	6885.0	53.7
1480.0	751.5	51.8	1520.0	976.9	51.8	1560.0	1191.4	51.8	1600.0	6973.9	53.8
1480.5	760.4	51.8	1520.5	987.3	51.8	1560.5	1199.6	51.8	1600.5	7062.9	53.8
1481.0	772.2	51.8	1521.0	996.2	51.8	1561.0	1214.1	51.8	1601.0	7149.1	53.8
1481.5	784.6	51.8	1521.5	1003.8	51.8	1561.5	1230.0	51.8	1601.5	7233.9	53.8
1482.0	791.5	51.8	1522.0	1005.9	51.8	1562.0	1239.6	51.8	1602.0	7316.6	53.8
1482.5	746.6	51.8	1522.5	1015.5	51.8	1562.5	1247.9	51.8	1602.5	7395.9	53.8
1483.0	706.7	51.8	1523.0	1023.8	51.8	1563.0	1258.9	51.8	1603.0	7478.6	53.8
1483.5	714.9	51.8	1523.5	1027.9	51.8	1563.5	1265.8	51.8	1603.5	7555.2	53.8
1484.0	726.7	51.8	1524.0	1028.6	51.8	1564.0	1274.8	51.8	1604.0	7630.3	53.8
1484.5	746.0	51.8	1524.5	998.3	51.8	1564.5	1276.2	51.8	1604.5	7705.5	53.9
1485.0	756.3	51.8	1525.0	1006.6	51.8	1565.0	1285.8	51.8	1605.0	7777.2	53.9
1485.5	766.6	51.8	1525.5	1012.8	51.8	1565.5	1291.3	51.8	1605.5	7848.9	54.0
1486.0	781.8	51.8	1526.0	1021.1	51.8	1566.0	1296.2	51.8	1606.0	7916.4	54.1
1486.5	790.8	51.8	1526.5	1025.9	51.8	1566.5	1301.0	51.8	1606.5	7984.7	54.1
1487.0	799.7	51.8	1527.0	1028.6	51.8	1567.0	1292.0	51.8	1607.0	8048.8	54.2
1487.5	804.6	51.8	1527.5	1026.6	51.8	1567.5	1261.7	51.8	1607.5	8113.6	54.2
1488.0	814.9	51.8	1528.0	1036.2	51.8	1568.0	1272.0	51.8	1608.0	8176.4	54.3
1488.5	816.3	51.8	1528.5	1038.3	51.8	1568.5	1283.7	51.8	1608.5	8236.4	54.3
1489.0	821.8	51.8	1529.0	1048.6	51.8	1569.0	1292.7	51.8	1609.0	8297.0	54.3
1489.5	817.0	51.8	1529.5	1058.3	51.8	1569.5	1303.7	51.8	1609.5	8356.3	54.3
1490.0	812.1	51.8	1530.0	1066.6	51.8	1570.0	1312.0	51.8	1610.0	8411.5	54.3
1490.5	816.3	51.8	1530.5	1061.7	51.8	1570.5	1321.7	51.8	1610.5	8466.0	54.3
1491.0	823.2	51.8	1531.0	996.2	51.8	1571.0	1326.5	51.8	1611.0	8519.0	54.3
1491.5	834.9	51.8	1531.5	1012.1	51.8	1571.5	1334.1	51.8	1611.5	8568.7	54.3
1492.0	844.6	51.8	1532.0	1022.4	51.8	1572.0	1339.6	51.8	1612.0	8619.7	54.3
1492.5	849.4	51.8	1532.5	1033.5	51.8	1572.5	1343.0	51.9	1612.5	8668.7	54.3
1493.0	861.8	51.8	1533.0	1044.5	51.8	1573.0	1347.9	51.9	1613.0	8714.9	54.3
1493.5	865.9	51.8	1533.5	1047.3	51.8	1573.5	1356.1	52.0	1613.5	8761.7	54.3
1494.0	872.1	51.8	1534.0	1055.5	51.8	1574.0	1358.2	52.0	1614.0	8803.1	54.3
1494.5	880.4	51.8	1534.5	1063.1	51.8	1574.5	1364.4	52.1	1614.5	8845.9	54.3
1495.0	868.7	51.8	1535.0	1070.7	51.8	1575.0	1369.2	52.2	1615.0	8887.9	54.3
1495.5	841.1	51.8	1535.5	1074.8	51.8	1575.5	1373.4	52.2	1615.5	8927.2	54.3
1496.0	848.0	51.8	1536.0	1079.0	51.8	1576.0	1385.8	52.3	1616.0	8966.5	54.3
1496.5	850.8	51.8	1536.5	1058.3	51.8	1576.5	1389.9	52.3	1616.5	9002.4	54.3
1497.0	848.0	51.8	1537.0	1068.6	51.8	1577.0	1397.5	52.3	1617.0	9038.9	54.3
1497.5	790.8	51.8	1537.5	1072.1	51.8	1577.5	1398.9	52.3	1617.5	9072.7	54.3
1498.0	794.2	51.8	1538.0	1080.3	51.8	1578.0	1467.8	52.3	1618.0	9107.2	54.3
1498.5	805.9	51.8	1538.5	1087.2	51.8	1578.5	1635.4	52.3	1618.5	9138.2	54.3
1499.0	819.0	51.8	1539.0	1094.1	51.8	1579.0	1791.9	52.3	1619.0	9169.2	54.3
1499.5	827.3	51.8	1539.5	1104.5	51.8	1579.5	1947.0	52.3	1619.5	9198.2	54.3
1500.0	837.7	51.8	1540.0	1109.3	51.8	1580.0	2100.8	52.3	1620.0	9228.5	54.3
1500.5	848.7	51.8	1540.5	1100.3	51.8	1580.5	2252.4	52.3	1620.5	9255.4	54.4
1501.0	856.3	51.8	1541.0	1111.4	51.8	1581.0	2402.8	52.3	1621.0	9279.5	54.4
1501.5	863.9	51.8	1541.5	1064.5	51.8	1581.5	2552.4	52.3	1621.5	9305.7	54.5
1502.0	865.9	51.8	1542.0	1071.4	51.8	1582.0	2698.5	52.3	1622.0	9329.2	54.6
1502.5	872.8	51.8	1542.5	1079.0	51.8	1582.5	2844.7	52.3	1622.5	9351.9	54.6
1503.0	884.5	51.8	1543.0	1084.5	51.8	1583.0	2990.9	52.3	1623.0	9376.7	54.7
1503.5	888.0	51.8	1543.5	1097.6	51.8	1583.5	3134.3	52.3	1623.5	9399.5	54.8
1504.0	888.0	51.8	1544.0	1102.4	51.8	1584.0	3274.9	52.3	1624.0	9415.4	54.8
1504.5	899.0	51.8	1544.5	1102.4	51.8	1584.5	3414.9	52.4	1624.5	9434.7	54.8
1505.0	889.4	51.8	1545.0	1105.2	51.8	1585.0	3553.5	52.4	1625.0	9450.5	54.8
1505.5	872.8	51.8	1545.5	1110.0	51.8	1585.5	3692.8	52.5	1625.5	9469.1	54.8

TEST REFERENCE#: 300926AI FILE STARTS: 22:32:30 on February 5, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1626.0	9487.1	54.8	1666.0	9784.9	54.3	1706.0	9805.6	54.3	1746.0	9815.2	53.8
1626.5	9502.2	54.8	1666.5	9786.3	54.3	1706.5	9805.6	54.3	1746.5	9814.6	53.8
1627.0	9516.7	54.8	1667.0	9786.3	54.3	1707.0	9806.3	54.3	1747.0	9815.2	53.8
1627.5	9531.9	54.8	1667.5	9787.0	54.3	1707.5	9805.6	54.3	1747.5	9815.2	53.8
1628.0	9545.7	54.8	1668.0	9787.0	54.3	1708.0	9806.3	54.3	1748.0	9815.2	53.8
1628.5	9558.8	54.8	1668.5	9787.7	54.3	1708.5	9806.3	54.3	1748.5	9814.6	53.8
1629.0	9571.9	54.8	1669.0	9787.7	54.3	1709.0	9804.9	54.3	1749.0	9815.2	53.8
1629.5	9583.6	54.8	1669.5	9789.0	54.3	1709.5	9807.0	54.3	1749.5	9815.2	53.8
1630.0	9593.2	54.8	1670.0	9789.7	54.3	1710.0	9805.6	54.3	1750.0	9815.2	53.8
1630.5	9605.6	54.8	1670.5	9789.0	54.3	1710.5	9807.0	54.3	1750.5	9814.6	53.8
1631.0	9615.3	54.8	1671.0	9790.4	54.3	1711.0	9807.0	54.3	1751.0	9815.9	53.8
1631.5	9623.6	54.8	1671.5	9791.1	54.3	1711.5	9807.0	54.3	1751.5	9815.9	53.8
1632.0	9633.2	54.8	1672.0	9791.1	54.3	1712.0	9807.7	54.3	1752.0	9815.2	53.8
1632.5	9642.9	54.8	1672.5	9791.8	54.3	1712.5	9806.3	54.3	1752.5	9815.9	53.8
1633.0	9650.5	54.8	1673.0	9791.1	54.3	1713.0	9806.3	54.3	1753.0	9815.9	53.8
1633.5	9656.7	54.8	1673.5	9791.8	54.3	1713.5	9807.0	54.3	1753.5	9815.9	53.8
1634.0	9664.3	54.8	1674.0	9791.1	54.3	1714.0	9807.7	54.3	1754.0	9815.9	53.8
1634.5	9670.5	54.8	1674.5	9792.5	54.3	1714.5	9807.0	54.3	1754.5	9815.2	53.8
1635.0	9677.4	54.8	1675.0	9793.2	54.3	1715.0	9807.0	54.3	1755.0	9815.9	53.8
1635.5	9682.9	54.8	1675.5	9792.5	54.3	1715.5	9807.7	54.3	1755.5	9815.9	53.8
1636.0	9689.8	54.8	1676.0	9793.2	54.3	1716.0	9807.7	54.3	1756.0	9817.3	53.8
1636.5	9693.2	54.8	1676.5	9793.2	54.3	1716.5	9807.0	54.3	1756.5	9817.3	53.8
1637.0	9700.1	54.8	1677.0	9793.9	54.3	1717.0	9807.7	54.3	1757.0	9815.9	53.8
1637.5	9703.6	54.8	1677.5	9793.9	54.3	1717.5	9808.4	54.3	1757.5	9815.9	53.8
1638.0	9707.0	54.8	1678.0	9793.9	54.3	1718.0	9807.7	54.3	1758.0	9817.3	53.8
1638.5	9712.5	54.8	1678.5	9793.9	54.3	1718.5	9808.4	54.3	1758.5	9817.3	53.8
1639.0	9716.7	54.8	1679.0	9793.9	54.3	1719.0	9808.4	54.3	1759.0	9817.3	53.8
1639.5	9719.4	54.8	1679.5	9794.6	54.3	1719.5	9807.7	54.3	1759.5	9817.3	53.8
1640.0	9723.5	54.8	1680.0	9795.9	54.3	1720.0	9807.7	54.3	1760.0	9818.0	53.8
1640.5	9727.0	54.8	1680.5	9794.6	54.3	1720.5	9809.0	54.3	1760.5	9815.9	53.8
1641.0	9729.8	54.8	1681.0	9796.6	54.3	1721.0	9808.4	54.3	1761.0	9815.9	53.8
1641.5	9732.5	54.8	1681.5	9796.6	54.3	1721.5	9808.4	54.3	1761.5	9815.9	53.8
1642.0	9736.0	54.8	1682.0	9795.9	54.3	1722.0	9807.0	54.3	1762.0	9815.9	53.8
1642.5	9736.6	54.8	1682.5	9796.6	54.3	1722.5	9808.4	54.3	1762.5	9814.6	53.8
1643.0	9740.8	54.8	1683.0	9796.6	54.3	1723.0	9808.4	54.3	1763.0	9815.2	53.8
1643.5	9742.2	54.8	1683.5	9797.3	54.3	1723.5	9808.4	54.3	1763.5	9814.6	53.8
1644.0	9743.5	54.8	1684.0	9797.3	54.3	1724.0	9810.4	54.3	1764.0	9815.2	53.8
1644.5	9746.3	54.8	1684.5	9797.3	54.3	1724.5	9810.4	54.3	1764.5	9815.2	53.8
1645.0	9749.1	54.7	1685.0	9798.7	54.3	1725.0	9809.0	54.3	1765.0	9815.9	53.8
1645.5	9749.1	54.6	1685.5	9798.0	54.3	1725.5	9809.0	54.3	1765.5	9815.9	53.8
1646.0	9753.2	54.6	1686.0	9798.0	54.3	1726.0	9807.7	54.3	1766.0	9815.9	53.8
1646.5	9753.9	54.5	1686.5	9798.0	54.3	1726.5	9810.4	54.3	1766.5	9815.9	53.8
1647.0	9756.0	54.4	1687.0	9798.7	54.3	1727.0	9810.4	54.3	1767.0	9815.9	53.8
1647.5	9757.3	54.4	1687.5	9800.1	54.3	1727.5	9810.4	54.3	1767.5	9815.9	53.8
1648.0	9758.0	54.3	1688.0	9800.1	54.3	1728.0	9810.4	54.3	1768.0	9815.9	53.8
1648.5	9758.0	54.3	1688.5	9800.1	54.3	1728.5	9811.1	54.3	1768.5	9815.9	53.8
1649.0	9761.5	54.3	1689.0	9800.1	54.3	1729.0	9811.1	54.3	1769.0	9817.3	53.8
1649.5	9762.2	54.3	1689.5	9800.1	54.3	1729.5	9810.4	54.3	1769.5	9815.9	53.8
1650.0	9762.8	54.3	1690.0	9800.1	54.3	1730.0	9811.8	54.3	1770.0	9817.3	53.8
1650.5	9764.2	54.3	1690.5	9800.1	54.3	1730.5	9811.8	54.3	1770.5	9815.9	53.8
1651.0	9765.6	54.3	1691.0	9800.8	54.3	1731.0	9811.8	54.3	1771.0	9817.3	53.8
1651.5	9767.7	54.3	1691.5	9800.8	54.3	1731.5	9810.4	54.3	1771.5	9815.9	53.8
1652.0	9768.4	54.3	1692.0	9800.1	54.3	1732.0	9812.5	54.3	1772.0	9817.3	53.8
1652.5	9768.4	54.3	1692.5	9801.5	54.3	1732.5	9811.8	54.3	1772.5	9817.3	53.8
1653.0	9769.7	54.3	1693.0	9801.5	54.3	1733.0	9811.8	54.3	1773.0	9817.3	53.8
1653.5	9770.4	54.3	1693.5	9801.5	54.3	1733.5	9812.5	54.3	1773.5	9815.9	53.8
1654.0	9771.8	54.3	1694.0	9802.8	54.3	1734.0	9811.8	54.3	1774.0	9818.0	53.8
1654.5	9771.8	54.3	1694.5	9802.8	54.3	1734.5	9811.8	54.3	1774.5	9818.0	53.8
1655.0	9772.5	54.3	1695.0	9803.5	54.3	1735.0	9812.5	54.3	1775.0	9817.3	53.8
1655.5	9773.2	54.3	1695.5	9802.8	54.3	1735.5	9811.1	54.3	1775.5	9817.3	53.8
1656.0	9774.6	54.3	1696.0	9803.5	54.3	1736.0	9812.5	54.3	1776.0	9818.0	53.8
1656.5	9775.3	54.3	1696.5	9803.5	54.3	1736.5	9813.2	54.2	1776.5	9817.3	53.8
1657.0	9775.9	54.3	1697.0	9803.5	54.3	1737.0	9812.5	54.2	1777.0	9818.0	53.8
1657.5	9776.6	54.3	1697.5	9802.8	54.3	1737.5	9813.2	54.1	1777.5	9818.7	53.8
1658.0	9776.6	54.3	1698.0	9803.5	54.3	1738.0	9814.6	54.1	1778.0	9818.0	53.8
1658.5	9778.0	54.3	1698.5	9803.5	54.3	1738.5	9815.2	54.0	1778.5	9818.7	53.8
1659.0	9778.7	54.3	1699.0	9803.5	54.3	1739.0	9814.6	53.9	1779.0	9818.7	53.8
1659.5	9778.0	54.3	1699.5	9804.2	54.3	1739.5	9812.5	53.9	1779.5	9818.0	53.8
1660.0	9779.4	54.3	1700.0	9804.9	54.3	1740.0	9813.9	53.8	1780.0	9818.7	53.8
1660.5	9780.1	54.3	1700.5	9804.9	54.3	1740.5	9813.9	53.8	1780.5	9818.0	53.8
1661.0	9780.8	54.3	1701.0	9804.9	54.3	1741.0	9814.6	53.8	1781.0	9818.7	53.8
1661.5	9780.8	54.3	1701.5	9803.5	54.3	1741.5	9813.9	53.8	1781.5	9818.7	53.8
1662.0	9780.8	54.3	1702.0	9804.9	54.3	1742.0	9814.6	53.8	1782.0	9818.7	53.8
1662.5	9782.8	54.3	1702.5	9804.9	54.3	1742.5	9815.2	53.8	1782.5	9818.7	53.8
1663.0	9782.2	54.3	1703.0	9803.5	54.3	1743.0	9814.6	53.8	1783.0	9819.4	53.8
1663.5	9782.2	54.3	1703.5	9804.2	54.3	1743.5	9814.6	53.8	1783.5	9818.7	53.8
1664.0	9783.5	54.3	1704.0	9804.2	54.3	1744.0	9814.6	53.8	1784.0	9818.7	53.8
1664.5	9783.5	54.3	1704.5	9804.9	54.3	1744.5	9813.9	53.8	1784.5	9818.7	53.8
1665.0	9784.2	54.3	1705.0	9804.9	54.3	1745.0	9813.9	53.8	1785.0	9818.7	53.8
1665.5	9785.6	54.3	1705.5	9804.9	54.3	1745.5	9814.6	53.8	1785.5	9818.7	53.8

TEST REFERENCE#: 300926AI FILE STARTS: 22:32:30 on February 5, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1786.0	9818.7	53.8	1826.0	9821.5	53.8	1866.0	417.1	51.8	1906.0	144.0	51.8
1786.5	9818.7	53.8	1826.5	9821.5	53.8	1866.5	425.4	51.8	1906.5	165.4	51.8
1787.0	9818.7	53.8	1827.0	9821.5	53.8	1867.0	448.8	51.8	1907.0	367.4	51.8
1787.5	9818.7	53.8	1827.5	9822.1	53.8	1867.5	457.8	51.8	1907.5	554.3	51.8
1788.0	9818.7	53.8	1828.0	9822.1	53.8	1868.0	471.5	51.8	1908.0	743.9	51.8
1788.5	9818.0	53.8	1828.5	9822.1	53.8	1868.5	485.3	51.8	1908.5	932.1	51.9
1789.0	9819.4	53.8	1829.0	9821.5	53.8	1869.0	496.4	51.8	1909.0	1119.0	51.9
1789.5	9818.7	53.8	1829.5	9822.1	53.8	1869.5	506.7	51.8	1909.5	1300.3	52.0
1790.0	9819.4	53.8	1830.0	9821.5	53.8	1870.0	514.3	51.8	1910.0	1483.0	52.0
1790.5	9819.4	53.8	1830.5	9821.5	53.8	1870.5	532.2	51.8	1910.5	1660.2	52.1
1791.0	9818.7	53.8	1831.0	9821.5	53.8	1871.0	543.3	51.8	1911.0	1835.3	52.2
1791.5	9818.7	53.8	1831.5	9822.1	53.8	1871.5	548.1	51.8	1911.5	2007.7	52.2
1792.0	9819.4	53.8	1832.0	9822.1	53.8	1872.0	550.1	51.8	1912.0	2178.0	52.3
1792.5	9818.7	53.8	1832.5	9822.1	53.8	1872.5	550.1	51.8	1912.5	2347.6	52.3
1793.0	9820.1	53.8	1833.0	9822.1	53.8	1873.0	546.7	51.8	1913.0	2515.1	52.3
1793.5	9819.4	53.8	1833.5	9821.5	53.8	1873.5	395.0	51.8	1913.5	2680.6	52.3
1794.0	9819.4	53.8	1834.0	9821.5	53.8	1874.0	295.0	51.8	1914.0	2842.6	52.3
1794.5	9818.7	53.8	1834.5	9822.1	53.8	1874.5	261.3	51.8	1914.5	3004.7	52.3
1795.0	9818.7	53.8	1835.0	9822.1	53.8	1875.0	250.9	51.8	1915.0	3162.5	52.3
1795.5	9819.4	53.8	1835.5	9822.1	53.8	1875.5	248.2	51.8	1915.5	3321.1	52.3
1796.0	9818.7	53.8	1836.0	9822.8	53.8	1876.0	248.8	51.8	1916.0	3474.9	52.3
1796.5	9818.7	53.8	1836.5	9822.1	53.8	1876.5	250.9	51.8	1916.5	3630.7	52.4
1797.0	9818.7	53.8	1837.0	9822.1	53.8	1877.0	259.2	51.8	1917.0	3780.3	52.4
1797.5	9819.4	53.8	1837.5	9821.5	53.8	1877.5	263.3	51.8	1917.5	3930.6	52.5
1798.0	9819.4	53.8	1838.0	9822.8	53.8	1878.0	246.8	51.8	1918.0	4077.5	52.5
1798.5	9818.7	53.8	1838.5	9822.1	53.8	1878.5	222.6	51.8	1918.5	4223.6	52.6
1799.0	9819.4	53.8	1839.0	9824.2	53.8	1879.0	241.3	51.8	1919.0	4364.3	52.7
1799.5	9819.4	53.8	1839.5	9822.1	53.8	1879.5	241.3	51.8	1919.5	4504.9	52.7
1800.0	9819.4	53.8	1840.0	9822.8	53.8	1880.0	253.7	51.8	1920.0	4644.9	52.8
1800.5	9820.1	53.8	1840.5	9823.5	53.7	1880.5	268.2	51.8	1920.5	4782.1	52.9
1801.0	9820.1	53.8	1841.0	9823.5	53.6	1881.0	267.5	51.8	1921.0	4917.3	52.9
1801.5	9820.1	53.8	1841.5	9823.5	53.4	1881.5	290.2	51.8	1921.5	5048.2	53.0
1802.0	9820.1	53.8	1842.0	9824.9	53.3	1882.0	301.9	51.8	1922.0	5181.3	53.1
1802.5	9820.1	53.8	1842.5	9823.5	53.2	1882.5	315.0	51.8	1922.5	5309.6	53.1
1803.0	9820.1	53.8	1843.0	9824.9	53.1	1883.0	328.1	51.8	1923.0	5435.7	53.2
1803.5	9820.1	53.8	1843.5	9814.6	52.9	1883.5	331.6	51.8	1923.5	5561.2	53.2
1804.0	9820.1	53.8	1844.0	1932.5	52.8	1884.0	343.3	51.8	1924.0	5684.6	53.3
1804.5	9819.4	53.8	1844.5	1003.8	52.7	1884.5	348.1	51.8	1924.5	5808.0	53.4
1805.0	9820.1	53.8	1845.0	638.4	52.5	1885.0	363.3	51.8	1925.0	5923.2	53.4
1805.5	9820.8	53.8	1845.5	516.4	52.4	1885.5	368.8	51.8	1925.5	6039.0	53.5
1806.0	9820.1	53.8	1846.0	505.3	52.3	1886.0	363.3	51.8	1926.0	6154.2	53.6
1806.5	9820.8	53.8	1846.5	502.6	52.2	1886.5	366.7	51.8	1926.5	6265.9	53.6
1807.0	9820.8	53.8	1847.0	492.9	52.0	1887.0	376.4	51.8	1927.0	6374.8	53.7
1807.5	9820.1	53.8	1847.5	488.8	51.9	1887.5	382.6	51.8	1927.5	6482.3	53.7
1808.0	9820.8	53.8	1848.0	499.8	51.8	1888.0	388.8	51.8	1928.0	6590.6	53.8
1808.5	9820.8	53.8	1848.5	491.5	51.8	1888.5	390.9	51.8	1928.5	6692.6	53.9
1809.0	9820.8	53.8	1849.0	490.9	51.8	1889.0	393.6	51.8	1929.0	6795.4	53.9
1809.5	9820.8	53.8	1849.5	495.0	51.8	1889.5	384.7	51.8	1929.5	6894.0	54.0
1810.0	9820.1	53.8	1850.0	500.5	51.8	1890.0	258.5	51.8	1930.0	6992.6	54.1
1810.5	9820.8	53.8	1850.5	515.7	51.8	1890.5	206.8	51.8	1930.5	7087.0	54.1
1811.0	9821.5	53.8	1851.0	515.0	51.8	1891.0	203.3	51.8	1931.0	7179.4	54.2
1811.5	9820.8	53.8	1851.5	515.0	51.8	1891.5	210.2	51.8	1931.5	7271.1	54.2
1812.0	9821.5	53.8	1852.0	527.4	51.8	1892.0	218.5	51.8	1932.0	7358.7	54.3
1812.5	9820.8	53.8	1852.5	528.1	51.7	1892.5	204.0	51.8	1932.5	7445.5	54.3
1813.0	9821.5	53.8	1853.0	535.0	51.7	1893.0	197.8	51.8	1933.0	7532.4	54.3
1813.5	9820.8	53.8	1853.5	531.5	51.6	1893.5	210.2	51.8	1933.5	7615.1	54.3
1814.0	9820.8	53.8	1854.0	527.4	51.5	1894.0	215.1	51.8	1934.0	7696.5	54.3
1814.5	9821.5	53.8	1854.5	528.1	51.5	1894.5	227.5	51.8	1934.5	7775.8	54.3
1815.0	9820.8	53.8	1855.0	516.4	51.4	1895.0	186.8	51.8	1935.0	7851.6	54.3
1815.5	9822.1	53.8	1855.5	504.6	51.3	1895.5	193.7	51.8	1935.5	7926.1	54.3
1816.0	9820.8	53.8	1856.0	498.4	51.3	1896.0	186.8	51.8	1936.0	7998.5	54.3
1816.5	9822.1	53.8	1856.5	489.5	51.3	1896.5	186.8	51.8	1936.5	8070.9	54.4
1817.0	9820.1	53.8	1857.0	481.2	51.3	1897.0	184.7	51.8	1937.0	8139.8	54.4
1817.5	9820.8	53.8	1857.5	466.0	51.3	1897.5	190.2	51.8	1937.5	8205.3	54.5
1818.0	9821.5	53.8	1858.0	467.4	51.3	1898.0	175.1	51.8	1938.0	8270.8	54.6
1818.5	9821.5	53.8	1858.5	459.8	51.3	1898.5	177.8	51.8	1938.5	8335.6	54.6
1819.0	9820.8	53.8	1859.0	455.0	51.3	1899.0	184.0	51.8	1939.0	8396.3	54.7
1819.5	9821.5	53.8	1859.5	457.1	51.3	1899.5	192.3	51.8	1939.5	8454.9	54.8
1820.0	9821.5	53.8	1860.0	440.5	51.3	1900.0	169.6	51.8	1940.0	8512.1	54.8
1820.5	9822.1	53.8	1860.5	424.0	51.3	1900.5	157.8	51.8	1940.5	8566.6	54.8
1821.0	9820.8	53.8	1861.0	416.4	51.4	1901.0	153.0	51.8	1941.0	8621.8	54.8
1821.5	9821.5	53.8	1861.5	371.6	51.5	1901.5	149.6	51.8	1941.5	8673.5	54.8
1822.0	9821.5	53.8	1862.0	312.3	51.5	1902.0	148.2	51.8	1942.0	8723.1	54.8
1822.5	9821.5	53.8	1862.5	296.4	51.6	1902.5	150.9	51.8	1942.5	8772.1	54.8
1823.0	9822.1	53.8	1863.0	315.0	51.7	1903.0	146.1	51.8	1943.0	8820.3	54.8
1823.5	9822.1	53.8	1863.5	330.9	51.7	1903.5	148.9	51.8	1943.5	8864.5	54.8
1824.0	9821.5	53.8	1864.0	348.1	51.8	1904.0	148.9	51.8	1944.0	8909.3	54.8
1824.5	9820.8	53.8	1864.5	369.5	51.8	1904.5	147.5	51.8	1944.5	8950.0	54.8
1825.0	9822.1	53.8	1865.0	379.2	51.8	1905.0	146.1	51.8	1945.0	8990.6	54.8
1825.5	9822.1	53.8	1865.5	393.6	51.8	1905.5	145.4	51.8	1945.5	9032.0	54.8

TEST REFERENCE#: 300926AI FILE STARTS: 22:32:30 on February 5, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1946.0	9067.2	54.8	1986.0	9769.1	54.8	2026.0	9798.7	54.8	2066.0	15051.1	53.8
1946.5	9103.7	54.8	1986.5	9769.7	54.8	2026.5	9798.7	54.8	2066.5	15050.4	53.8
1947.0	9137.5	54.8	1987.0	9770.4	54.8	2027.0	9799.4	54.8	2067.0	15051.1	53.8
1947.5	9169.2	54.8	1987.5	9770.4	54.8	2027.5	9798.7	54.8	2067.5	15050.4	53.8
1948.0	9202.3	54.8	1988.0	9771.8	54.8	2028.0	9798.7	54.8	2068.0	15050.4	53.8
1948.5	9232.0	54.9	1988.5	9771.8	54.8	2028.5	9799.4	54.9	2068.5	15050.4	53.8
1949.0	9260.2	54.9	1989.0	9772.5	54.8	2029.0	9800.1	54.9	2069.0	15050.4	53.8
1949.5	9289.9	55.0	1989.5	9772.5	54.8	2029.5	9800.1	55.0	2069.5	15051.1	53.8
1950.0	9314.7	55.1	1990.0	9775.3	54.8	2030.0	9800.1	55.1			
1950.5	9338.8	55.1	1990.5	9775.3	54.8	2030.5	9847.0	55.1			
1951.0	9363.6	55.2	1991.0	9775.9	54.8	2031.0	12233.2	55.2			
1951.5	9385.7	55.3	1991.5	9775.3	54.8	2031.5	14720.8	55.3			
1952.0	9407.8	55.3	1992.0	9777.3	54.8	2032.0	14662.9	55.3			
1952.5	9428.5	55.3	1992.5	9778.0	54.8	2032.5	15050.4	55.4			
1953.0	9447.8	55.3	1993.0	9777.3	54.8	2033.0	15210.3	55.4			
1953.5	9467.1	55.3	1993.5	9778.0	54.8	2033.5	15070.4	55.5			
1954.0	9485.0	55.3	1994.0	9778.7	54.8	2034.0	15026.9	55.6			
1954.5	9500.2	55.3	1994.5	9780.1	54.8	2034.5	15027.6	55.6			
1955.0	9516.7	55.3	1995.0	9779.4	54.8	2035.0	15007.0	55.7			
1955.5	9531.9	55.3	1995.5	9779.4	54.8	2035.5	15035.9	55.8			
1956.0	9545.7	55.3	1996.0	9779.4	54.8	2036.0	14913.9	55.8			
1956.5	9558.8	55.3	1996.5	9781.5	54.8	2036.5	15035.9	55.8			
1957.0	9571.9	55.3	1997.0	9780.1	54.8	2037.0	14819.4	55.7			
1957.5	9583.6	55.3	1997.5	9782.2	54.8	2037.5	14804.9	55.6			
1958.0	9595.3	55.3	1998.0	9782.2	54.8	2038.0	14691.9	55.6			
1958.5	9605.0	55.3	1998.5	9782.8	54.8	2038.5	14992.5	55.5			
1959.0	9616.0	55.3	1999.0	9782.8	54.8	2039.0	14862.2	55.4			
1959.5	9625.6	55.3	1999.5	9782.8	54.8	2039.5	14888.4	55.4			
1960.0	9633.2	55.3	2000.0	9782.8	54.8	2040.0	15004.2	55.3			
1960.5	9642.9	55.3	2000.5	9783.5	54.8	2040.5	15002.8	55.3			
1961.0	9648.4	55.3	2001.0	9784.2	54.8	2041.0	15001.4	55.2			
1961.5	9657.4	55.3	2001.5	9784.2	54.8	2041.5	15000.1	55.1			
1962.0	9664.3	55.3	2002.0	9784.9	54.8	2042.0	14999.4	55.1			
1962.5	9669.8	55.3	2002.5	9787.0	54.8	2042.5	15259.3	55.0			
1963.0	9676.7	55.3	2003.0	9784.9	54.8	2043.0	15046.3	54.9			
1963.5	9680.8	55.3	2003.5	9786.3	54.8	2043.5	15024.9	54.9			
1964.0	9684.9	55.3	2004.0	9787.0	54.8	2044.0	15012.5	54.8			
1964.5	9691.8	55.3	2004.5	9787.0	54.8	2044.5	15009.0	54.8			
1965.0	9695.3	55.3	2005.0	9787.0	54.8	2045.0	15004.9	54.7			
1965.5	9701.5	55.3	2005.5	9787.7	54.8	2045.5	15003.5	54.6			
1966.0	9704.9	55.3	2006.0	9787.0	54.8	2046.0	15002.8	54.6			
1966.5	9708.4	55.3	2006.5	9787.7	54.8	2046.5	15004.9	54.5			
1967.0	9712.5	55.3	2007.0	9789.0	54.8	2047.0	15004.2	54.4			
1967.5	9713.9	55.3	2007.5	9789.7	54.8	2047.5	15005.6	54.4			
1968.0	9719.4	55.3	2008.0	9790.4	54.8	2048.0	15002.8	54.3			
1968.5	9721.5	55.3	2008.5	9790.4	54.8	2048.5	15004.9	54.3			
1969.0	9724.9	55.3	2009.0	9791.1	54.8	2049.0	15004.9	54.3			
1969.5	9727.7	55.3	2009.5	9791.1	54.8	2049.5	15007.0	54.3			
1970.0	9729.8	55.3	2010.0	9791.1	54.8	2050.0	15008.3	54.3			
1970.5	9729.8	55.3	2010.5	9791.8	54.8	2050.5	15009.7	54.3			
1971.0	9733.9	55.3	2011.0	9791.8	54.8	2051.0	15011.8	54.3			
1971.5	9735.3	55.3	2011.5	9791.8	54.8	2051.5	15013.2	54.3			
1972.0	9736.6	55.3	2012.0	9792.5	54.8	2052.0	15013.8	54.3			
1972.5	9739.4	55.3	2012.5	9792.5	54.8	2052.5	15015.9	54.3			
1973.0	9741.5	55.3	2013.0	9792.5	54.8	2053.0	15016.6	54.3			
1973.5	9742.9	55.3	2013.5	9791.8	54.8	2053.5	15018.7	54.3			
1974.0	9744.9	55.3	2014.0	9791.8	54.8	2054.0	15020.1	54.3			
1974.5	9744.9	55.3	2014.5	9793.2	54.8	2054.5	15021.4	54.3			
1975.0	9747.7	55.3	2015.0	9793.2	54.8	2055.0	15022.1	54.3			
1975.5	9749.1	55.3	2015.5	9793.2	54.8	2055.5	15023.5	54.3			
1976.0	9750.4	55.3	2016.0	9793.2	54.8	2056.0	15023.5	54.3			
1976.5	9751.8	55.3	2016.5	9793.2	54.8	2056.5	15026.3	54.3			
1977.0	9753.2	55.3	2017.0	9793.9	54.8	2057.0	15026.3	54.3			
1977.5	9753.9	55.3	2017.5	9794.6	54.8	2057.5	15026.3	54.3			
1978.0	9754.6	55.3	2018.0	9794.6	54.8	2058.0	15027.6	54.3			
1978.5	9756.0	55.3	2018.5	9794.6	54.8	2058.5	15026.9	54.3			
1979.0	9756.6	55.3	2019.0	9794.6	54.8	2059.0	15027.6	54.3			
1979.5	9756.6	55.3	2019.5	9794.6	54.8	2059.5	15027.6	54.3			
1980.0	9758.7	55.3	2020.0	9795.9	54.8	2060.0	15028.3	54.3			
1980.5	9760.1	55.3	2020.5	9795.9	54.8	2060.5	15029.0	54.2			
1981.0	9761.5	55.2	2021.0	9795.9	54.8	2061.0	15028.3	54.2			
1981.5	9761.5	55.1	2021.5	9797.3	54.8	2061.5	15030.4	54.1			
1982.0	9764.2	55.1	2022.0	9797.3	54.8	2062.0	15035.2	54.1			
1982.5	9764.2	55.0	2022.5	9797.3	54.8	2062.5	15044.9	54.0			
1983.0	9765.6	54.9	2023.0	9798.0	54.8	2063.0	15048.3	53.9			
1983.5	9765.6	54.9	2023.5	9798.0	54.8	2063.5	15049.7	53.9			
1984.0	9767.7	54.8	2024.0	9798.0	54.8	2064.0	15049.7	53.8			
1984.5	9767.7	54.8	2024.5	9798.0	54.8	2064.5	15051.1	53.8			
1985.0	9768.4	54.8	2025.0	9797.3	54.8	2065.0	15050.4	53.8			
1985.5	9769.1	54.8	2025.5	9798.7	54.8	2065.5	15049.7	53.8			

Flowrate Summary and Sequence of Events

LABEL POINT #	TIME of DAY (HH:MM:SS)	EXPLANATION	DURATION (min)	BHP (kPa)	BHT (Deg C)	SURF PRESS (kPa)	FLOW RATE (m3/d)
1	17:53:00	HYDROSTATIC		182.0	49.5		
2	19:47:00	REFERENCE TIME	114.0	761.8	51.5		
3	19:48:00	START FLOW	1.0	640.5	51.5		
4	19:59:00	START SHUT-IN	11.0	938.3	51.5		
5	21:04:00	END SHUT-IN	65.0	939.0	51.0		
6	21:06:00	START FLOW	2.0	1027.3	51.0		
7	23:15:00	START SHUT-IN	129.0	1380.3	51.5		
8	3:39:30	END SHUT-IN	264.5	566.7	51.3		
9	3:42:30	START FLOW	3.0	830.8	50.9		
10	4:44:00	START SHUT-IN	61.5	133.7	51.2		
11	6:47:30	END SHUT-IN	123.5	117.2	51.6		
12	9:28:30	HYDROSTATIC	161.0	115.1	45.2		

Sample Data

Sample #/Source	Description	RESISTIVITY ohm @ C	Salinity PPM(NaCl)
1-MUD TANKS	DRILLING MUD FILTRATE	5.08 @ 14 3.51 @ 14	1300 1800
2-TOP OF RECOVERY	MUD FILTRATE	2.15 @ 16 1.90 @ 16	3200 3500
3-			
4-DOWNHOLE SAMPLER'S	#133142, #133141 TO BE DRAINED AT LAB		
5-GAS BOMB	LOW PRESSURE GAS #7002-AGAT		

Samples Sent To: CORE LABORATORIES

BOTTOMHOLE PRESSURE PLOT

FIELD REPORT NO. : 300926AR
INSTRUMENT NO. : SM-50094
DEPTH : 1355.52 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : INSIDE-RECOVERY

COMPANY : PETRO CANADA INCORPORATED
WELL : PCI SWEDE E-02
DST# : ONE

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]

Y-AXIS = BOTTOMHOLE PRESSURE [KPA (ABS)]

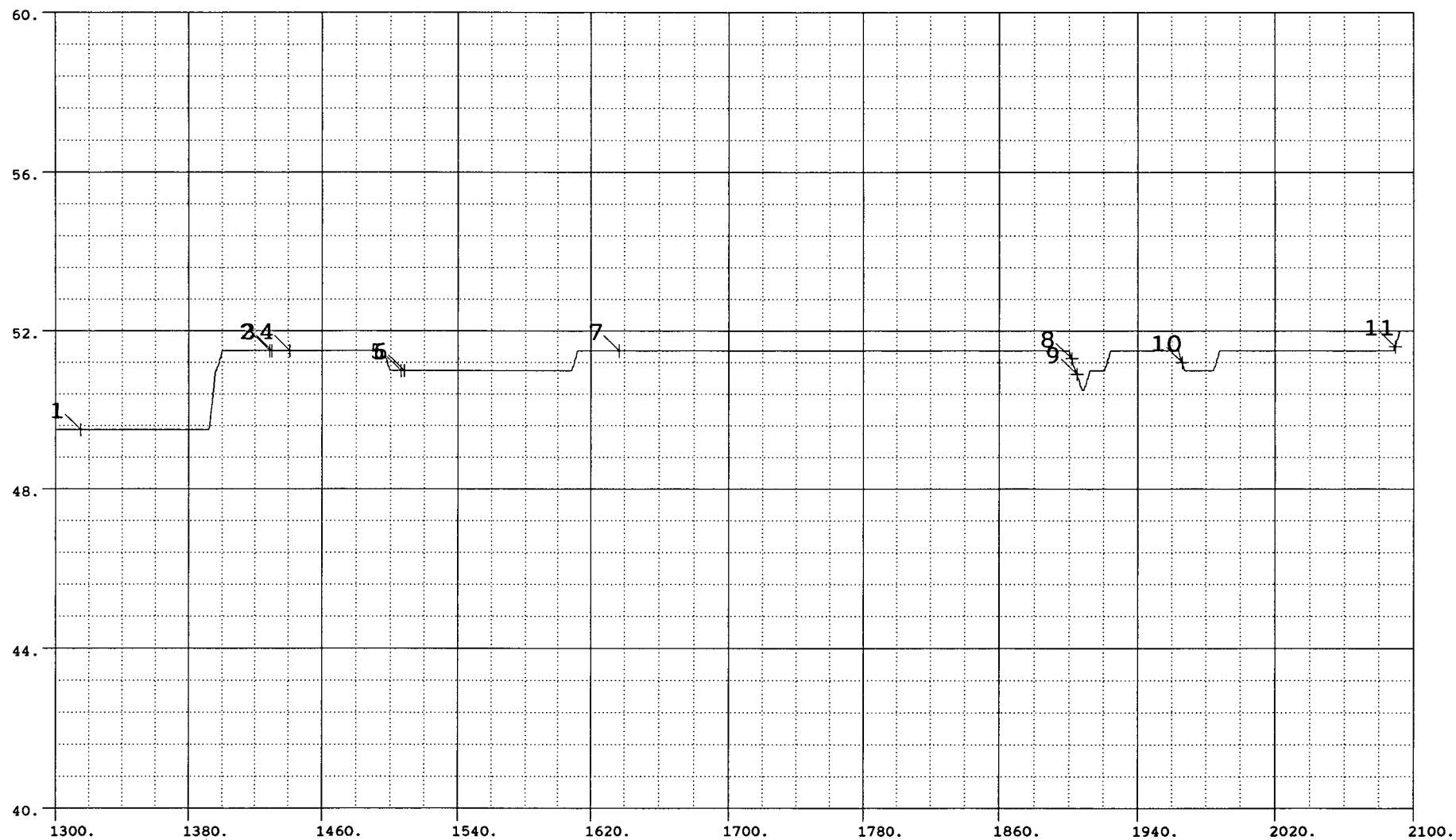
X-AXIS

BOTTOMHOLE TEMPERATURE PLOT

FIELD REPORT NO. : 300926AR
INSTRUMENT NO. : SM-50094
DEPTH : 1355.52 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : INSIDE-RECOVERY

COMPANY : PETRO CANADA INCORPORATED
WELL : PCI SWEDE E-02
DST# : ONE

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]

Y-AXIS = BOTTOMHOLE TEMPERATURE [CEL]

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elaped time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
236.0	89.6	2.5	276.0	94.4	17.3	316.0	162.0	20.2	356.0	171.6	20.7
236.5	89.6	2.7	276.5	95.8	17.3	316.5	162.0	20.3	356.5	172.3	20.7
237.0	89.6	2.9	277.0	95.1	17.4	317.0	163.4	20.4	357.0	171.6	20.7
237.5	89.6	3.2	277.5	95.1	17.5	317.5	163.4	20.4	357.5	172.3	20.7
238.0	89.6	3.4	278.0	93.7	17.5	318.0	163.4	20.5	358.0	171.6	20.7
238.5	89.6	3.7	278.5	94.4	17.6	318.5	162.0	20.5	358.5	172.3	20.7
239.0	89.6	3.9	279.0	93.7	17.6	319.0	163.4	20.6	359.0	171.6	20.7
239.5	89.6	4.2	279.5	95.8	17.7	319.5	164.0	20.7	359.5	172.3	20.7
240.0	89.6	4.4	280.0	93.0	17.8	320.0	164.0	20.7	360.0	172.3	20.7
240.5	97.9	4.7	280.5	94.4	17.8	320.5	163.4	20.7	360.5	172.3	20.7
241.0	97.2	4.9	281.0	93.0	17.9	321.0	164.0	20.7	361.0	171.6	20.7
241.5	97.9	5.2	281.5	95.1	17.9	321.5	163.4	20.7	361.5	172.3	20.7
242.0	95.8	5.4	282.0	93.7	18.0	322.0	163.4	20.7	362.0	172.3	20.7
242.5	97.9	5.7	282.5	93.7	18.1	322.5	164.0	20.7	362.5	171.6	20.7
243.0	95.1	5.9	283.0	95.1	18.1	323.0	164.0	20.7	363.0	171.6	20.7
243.5	95.1	6.2	283.5	93.0	18.2	323.5	164.0	20.7	363.5	171.6	20.7
244.0	95.8	6.4	284.0	94.4	18.3	324.0	163.4	20.7	364.0	171.6	20.7
244.5	94.4	6.6	284.5	93.7	18.3	324.5	164.7	20.7	364.5	171.6	20.7
245.0	95.1	6.9	285.0	94.4	18.4	325.0	164.7	20.7	365.0	171.6	20.7
245.5	89.6	7.1	285.5	94.4	18.4	325.5	165.4	20.7	365.5	171.6	20.7
246.0	94.4	7.4	286.0	93.0	18.5	326.0	166.1	20.7	366.0	171.6	20.7
246.5	94.4	7.6	286.5	93.7	18.6	326.5	166.1	20.7	366.5	171.6	20.7
247.0	89.6	7.9	287.0	94.4	18.6	327.0	165.4	20.7	367.0	171.6	20.7
247.5	94.4	8.1	287.5	93.0	18.7	327.5	165.4	20.7	367.5	171.6	20.7
248.0	89.6	8.4	288.0	94.4	18.7	328.0	166.8	20.7	368.0	172.3	20.7
248.5	93.7	8.6	288.5	93.7	18.8	328.5	167.5	20.7	368.5	171.6	20.7
249.0	89.6	8.7	289.0	93.7	18.9	329.0	166.8	20.7	369.0	170.9	20.7
249.5	94.4	8.9	289.5	93.0	18.9	329.5	168.9	20.7	369.5	171.6	20.7
250.0	95.1	9.1	290.0	93.7	19.0	330.0	166.8	20.7	370.0	171.6	20.7
250.5	94.4	9.3	290.5	94.4	19.1	330.5	167.5	20.7	370.5	171.6	20.7
251.0	94.4	9.5	291.0	93.0	19.1	331.0	167.5	20.7	371.0	171.6	20.7
251.5	94.4	9.7	291.5	93.0	19.2	331.5	166.8	20.7	371.5	171.6	20.7
252.0	95.1	9.9	292.0	94.4	19.2	332.0	169.6	20.7	372.0	171.6	20.7
252.5	94.4	10.0	292.5	93.0	19.3	332.5	169.6	20.7	372.5	172.3	20.7
253.0	95.1	10.2	293.0	94.4	19.4	333.0	170.2	20.7	373.0	171.6	20.7
253.5	95.1	10.4	293.5	94.4	19.4	333.5	170.2	20.7	373.5	172.3	20.7
254.0	94.4	10.6	294.0	94.4	19.5	334.0	170.2	20.7	374.0	172.3	20.7
254.5	93.0	10.8	294.5	94.4	19.6	334.5	170.2	20.7	374.5	171.6	20.7
255.0	93.7	11.0	295.0	94.4	19.6	335.0	170.9	20.7	375.0	171.6	20.7
255.5	93.7	11.2	295.5	93.7	19.7	335.5	170.9	20.7	375.5	171.6	20.7
256.0	94.4	11.3	296.0	94.4	19.7	336.0	170.9	20.7	376.0	171.6	20.7
256.5	95.1	11.5	296.5	93.0	19.7	336.5	170.9	20.7	376.5	172.3	20.7
257.0	95.1	11.7	297.0	93.0	19.7	337.0	171.6	20.7	377.0	171.6	20.7
257.5	96.5	11.9	297.5	94.4	19.7	337.5	170.9	20.7	377.5	172.3	20.7
258.0	96.5	12.1	298.0	94.4	19.7	338.0	170.9	20.7	378.0	171.6	20.7
258.5	96.5	12.3	298.5	94.4	19.7	338.5	171.6	20.7	378.5	172.3	20.7
259.0	96.5	12.5	299.0	95.1	19.7	339.0	170.9	20.7	379.0	172.3	20.7
259.5	95.8	12.6	299.5	93.7	19.7	339.5	171.6	20.7	379.5	171.6	20.7
260.0	94.4	12.8	300.0	93.7	19.7	340.0	171.6	20.7	380.0	172.3	20.7
260.5	96.5	13.0	300.5	94.4	19.7	340.5	170.9	20.7	380.5	172.3	20.7
261.0	96.5	13.2	301.0	93.0	19.7	341.0	171.6	20.7	381.0	171.6	20.7
261.5	97.2	13.4	301.5	94.4	19.7	341.5	171.6	20.7	381.5	171.6	20.7
262.0	96.5	13.6	302.0	93.7	19.7	342.0	171.6	20.7	382.0	171.6	20.7
262.5	96.5	13.7	302.5	95.1	19.7	342.5	171.6	20.7	382.5	171.6	20.7
263.0	95.1	13.9	303.0	94.4	19.7	343.0	171.6	20.7	383.0	172.3	20.7
263.5	93.7	14.1	303.5	93.7	19.7	343.5	171.6	20.7	383.5	171.6	20.7
264.0	94.4	14.3	304.0	93.7	19.7	344.0	172.3	20.7	384.0	171.6	20.7
264.5	93.7	14.4	304.5	93.7	19.8	344.5	172.3	20.7	384.5	171.6	20.7
265.0	93.7	14.6	305.0	93.7	19.9	345.0	171.6	20.7	385.0	171.6	20.7
265.5	93.7	14.7	305.5	97.2	19.9	345.5	172.3	20.7	385.5	172.3	20.7
266.0	94.4	14.8	306.0	98.5	20.0	346.0	172.3	20.7	386.0	172.3	20.7
266.5	93.7	14.9	306.5	110.3	20.0	346.5	171.6	20.7	386.5	171.6	20.7
267.0	94.4	15.0	307.0	115.8	20.1	347.0	172.3	20.7	387.0	171.6	20.7
267.5	94.4	15.2	307.5	117.2	20.2	347.5	172.3	20.7	387.5	172.3	20.7
268.0	92.3	15.3	308.0	117.8	20.2	348.0	172.3	20.7	388.0	172.3	20.7
268.5	94.4	15.4	308.5	118.5	20.2	348.5	173.0	20.7	388.5	171.6	20.7
269.0	94.4	15.5	309.0	117.8	20.2	349.0	172.3	20.7	389.0	171.6	20.7
269.5	93.7	15.7	309.5	120.6	20.2	349.5	172.3	20.7	389.5	171.6	20.7
270.0	93.7	15.8	310.0	123.4	20.2	350.0	172.3	20.7	390.0	171.6	20.7
270.5	94.4	15.9	310.5	136.5	20.2	350.5	172.3	20.7	390.5	173.0	20.7
271.0	93.7	16.0	311.0	147.5	20.2	351.0	172.3	20.7	391.0	171.6	20.7
271.5	95.1	16.2	311.5	157.1	20.2	351.5	172.3	20.7	391.5	171.6	20.7
272.0	94.4	16.3	312.0	159.2	20.2	352.0	173.0	20.7	392.0	172.3	20.7
272.5	93.7	16.4	312.5	159.2	20.2	352.5	172.3	20.7	392.5	171.6	20.7
273.0	95.1	16.5	313.0	159.2	20.2	353.0	172.3	20.7	393.0	171.6	20.7
273.5	95.1	16.6	313.5	160.6	20.2	353.5	173.0	20.7	393.5	172.3	20.7
274.0	95.1	16.8	314.0	160.6	20.2	354.0	172.3	20.7	394.0	171.6	20.7
274.5	95.1	16.9	314.5	161.3	20.2	354.5	172.3	20.7	394.5	172.3	20.7
275.0	94.4	17.0	315.0	161.3	20.2	355.0	171.6	20.7	395.0	172.3	20.7
275.5	95.1	17.1	315.5	161.3	20.2	355.5	171.6	20.7	395.5	172.3	20.7

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
396.0	171.6	20.7	436.0	172.3	20.7	476.0	171.6	21.2	516.0	172.3	23.2
396.5	172.3	20.7	436.5	170.9	20.7	476.5	172.3	21.2	516.5	172.3	23.3
397.0	172.3	20.7	437.0	172.3	20.7	477.0	172.3	21.2	517.0	171.6	23.3
397.5	172.3	20.7	437.5	171.6	20.7	477.5	175.1	21.2	517.5	170.2	23.4
398.0	171.6	20.7	438.0	172.3	20.7	478.0	172.3	21.2	518.0	172.3	23.4
398.5	172.3	20.7	438.5	172.3	20.7	478.5	172.3	21.2	518.5	172.3	23.5
399.0	171.6	20.7	439.0	172.3	20.7	479.0	172.3	21.2	519.0	173.0	23.6
399.5	172.3	20.7	439.5	172.3	20.7	479.5	172.3	21.2	519.5	172.3	23.6
400.0	172.3	20.7	440.0	172.3	20.7	480.0	171.6	21.2	520.0	171.6	23.7
400.5	171.6	20.7	440.5	172.3	20.7	480.5	173.0	21.3	520.5	172.3	23.7
401.0	172.3	20.7	441.0	172.3	20.7	481.0	172.3	21.3	521.0	172.3	23.7
401.5	171.6	20.7	441.5	172.3	20.7	481.5	172.3	21.4	521.5	172.3	23.7
402.0	171.6	20.7	442.0	170.9	20.7	482.0	173.0	21.5	522.0	172.3	23.7
402.5	172.3	20.7	442.5	172.3	20.7	482.5	172.3	21.5	522.5	172.3	23.7
403.0	172.3	20.7	443.0	172.3	20.7	483.0	170.9	21.6	523.0	173.0	23.7
403.5	172.3	20.7	443.5	172.3	20.7	483.5	172.3	21.6	523.5	171.6	23.7
404.0	172.3	20.7	444.0	172.3	20.7	484.0	172.3	21.7	524.0	172.3	23.7
404.5	172.3	20.7	444.5	172.3	20.7	484.5	173.0	21.7	524.5	172.3	23.7
405.0	172.3	20.7	445.0	171.6	20.7	485.0	173.0	21.7	525.0	172.3	23.8
405.5	171.6	20.7	445.5	172.3	20.7	485.5	173.0	21.7	525.5	171.6	23.9
406.0	172.3	20.7	446.0	172.3	20.7	486.0	173.0	21.7	526.0	171.6	23.9
406.5	171.6	20.7	446.5	173.0	20.7	486.5	173.7	21.7	526.5	172.3	24.0
407.0	172.3	20.7	447.0	172.3	20.7	487.0	173.0	21.7	527.0	172.3	24.1
407.5	171.6	20.7	447.5	172.3	20.7	487.5	173.0	21.7	527.5	172.3	24.1
408.0	171.6	20.7	448.0	172.3	20.7	488.0	172.3	21.7	528.0	173.7	24.2
408.5	172.3	20.7	448.5	171.6	20.7	488.5	173.0	21.7	528.5	173.0	24.2
409.0	171.6	20.7	449.0	173.0	20.7	489.0	172.3	21.7	529.0	172.3	24.3
409.5	172.3	20.7	449.5	173.0	20.7	489.5	171.6	21.7	529.5	172.3	24.4
410.0	172.3	20.7	450.0	171.6	20.7	490.0	172.3	21.7	530.0	173.0	24.4
410.5	172.3	20.7	450.5	172.3	20.7	490.5	172.3	21.7	530.5	171.6	24.5
411.0	172.3	20.7	451.0	171.6	20.7	491.0	173.0	21.7	531.0	171.6	24.6
411.5	172.3	20.7	451.5	166.8	20.7	491.5	173.0	21.7	531.5	170.9	24.6
412.0	172.3	20.7	452.0	172.3	20.7	492.0	178.5	21.7	532.0	171.6	24.7
412.5	172.3	20.7	452.5	172.3	20.7	492.5	173.0	21.8	532.5	171.6	24.7
413.0	171.6	20.7	453.0	171.6	20.7	493.0	173.0	21.8	533.0	171.6	24.7
413.5	173.0	20.7	453.5	173.0	20.7	493.5	172.3	21.9	533.5	171.6	24.7
414.0	172.3	20.7	454.0	172.3	20.7	494.0	172.3	22.0	534.0	171.6	24.7
414.5	173.0	20.7	454.5	171.6	20.7	494.5	173.0	22.0	534.5	171.6	24.7
415.0	171.6	20.7	455.0	172.3	20.7	495.0	172.3	22.1	535.0	171.6	24.7
415.5	172.3	20.7	455.5	172.3	20.7	495.5	173.0	22.1	535.5	171.6	24.7
416.0	171.6	20.7	456.0	172.3	20.7	496.0	171.6	22.2	536.0	170.9	24.7
416.5	172.3	20.7	456.5	172.3	20.7	496.5	173.0	22.2	536.5	171.6	24.7
417.0	173.0	20.7	457.0	172.3	20.7	497.0	173.7	22.2	537.0	172.3	24.8
417.5	172.3	20.7	457.5	172.3	20.7	497.5	173.7	22.2	537.5	171.6	24.9
418.0	172.3	20.7	458.0	172.3	20.7	498.0	171.6	22.2	538.0	172.3	24.9
418.5	172.3	20.7	458.5	172.3	20.7	498.5	173.0	22.2	538.5	171.6	25.0
419.0	172.3	20.7	459.0	172.3	20.7	499.0	171.6	22.2	539.0	171.6	25.0
419.5	172.3	20.7	459.5	172.3	20.7	499.5	175.1	22.2	539.5	170.9	25.1
420.0	172.3	20.7	460.0	172.3	20.7	500.0	171.6	22.2	540.0	171.6	25.2
420.5	171.6	20.7	460.5	172.3	20.7	500.5	173.0	22.2	540.5	171.6	25.2
421.0	172.3	20.7	461.0	172.3	20.7	501.0	171.6	22.2	541.0	171.6	25.2
421.5	172.3	20.7	461.5	172.3	20.7	501.5	171.6	22.2	541.5	171.6	25.2
422.0	171.6	20.7	462.0	171.6	20.7	502.0	173.0	22.2	542.0	172.3	25.2
422.5	172.3	20.7	462.5	172.3	20.7	502.5	173.0	22.2	542.5	171.6	25.2
423.0	173.0	20.7	463.0	171.6	20.7	503.0	174.4	22.2	543.0	172.3	25.2
423.5	172.3	20.7	463.5	171.6	20.7	503.5	173.0	22.2	543.5	172.3	25.2
424.0	171.6	20.7	464.0	172.3	20.7	504.0	173.7	22.2	544.0	169.6	25.2
424.5	172.3	20.7	464.5	171.6	20.8	504.5	173.0	22.3	544.5	172.3	25.2
425.0	171.6	20.7	465.0	172.3	20.8	505.0	173.0	22.3	545.0	172.3	25.3
425.5	172.3	20.7	465.5	171.6	20.9	505.5	173.7	22.4	545.5	171.6	25.4
426.0	172.3	20.7	466.0	171.6	21.0	506.0	172.3	22.5	546.0	172.3	25.4
426.5	172.3	20.7	466.5	172.3	21.0	506.5	171.6	22.5	546.5	172.3	25.5
427.0	172.3	20.7	467.0	172.3	21.1	507.0	172.3	22.6	547.0	171.6	25.5
427.5	173.0	20.7	467.5	171.6	21.2	507.5	172.3	22.6	547.5	171.6	25.6
428.0	171.6	20.7	468.0	172.3	21.2	508.0	172.3	22.7	548.0	172.3	25.7
428.5	171.6	20.7	468.5	172.3	21.2	508.5	172.3	22.7	548.5	172.3	25.7
429.0	172.3	20.7	469.0	172.3	21.2	509.0	172.3	22.7	549.0	173.0	25.7
429.5	172.3	20.7	469.5	172.3	21.2	509.5	172.3	22.7	549.5	173.7	25.7
430.0	171.6	20.7	470.0	172.3	21.2	510.0	172.3	22.7	550.0	172.3	25.7
430.5	171.6	20.7	470.5	172.3	21.2	510.5	172.3	22.7	550.5	172.3	25.7
431.0	172.3	20.7	471.0	172.3	21.2	511.0	172.3	22.7	551.0	172.3	25.7
431.5	172.3	20.7	471.5	172.3	21.2	511.5	171.6	22.7	551.5	171.6	25.7
432.0	172.3	20.7	472.0	172.3	21.2	512.0	171.6	22.7	552.0	172.3	25.7
432.5	172.3	20.7	472.5	172.3	21.2	512.5	172.3	22.8	552.5	173.0	25.7
433.0	171.6	20.7	473.0	172.3	21.2	513.0	172.3	22.8	553.0	171.6	25.8
433.5	172.3	20.7	473.5	172.3	21.2	513.5	173.0	22.9	553.5	172.3	25.8
434.0	172.3	20.7	474.0	172.3	21.2	514.0	172.3	22.9	554.0	172.3	25.9
434.5	172.3	20.7	474.5	171.6	21.2	514.5	170.9	23.0	554.5	173.0	26.0
435.0	172.3	20.7	475.0	172.3	21.2	515.0	171.6	23.1	555.0	173.0	26.0
435.5	172.3	20.7	475.5	172.3	21.2	515.5	172.3	23.1	555.5	179.9	26.1

ET	P	T	ET	P	T	ET	P	T	ET	P	T
556.0	172.3	26.2	596.0	173.0	27.6	636.0	173.7	28.6	676.0	175.8	30.6
556.5	172.3	26.2	596.5	173.0	27.7	636.5	175.1	28.7	676.5	177.1	30.6
557.0	172.3	26.2	597.0	173.7	27.8	637.0	173.7	28.7	677.0	173.7	30.6
557.5	173.0	26.2	597.5	173.7	27.8	637.5	174.4	28.8	677.5	175.1	30.6
558.0	170.9	26.2	598.0	173.0	27.9	638.0	174.4	28.9	678.0	175.8	30.6
558.5	173.0	26.2	598.5	173.0	27.9	638.5	173.7	28.9	678.5	175.1	30.6
559.0	172.3	26.2	599.0	173.7	28.0	639.0	174.4	29.0	679.0	175.1	30.6
559.5	173.0	26.2	599.5	173.7	28.1	639.5	173.7	29.1	679.5	171.6	30.6
560.0	172.3	26.2	600.0	173.7	28.1	640.0	174.4	29.1	680.0	175.1	30.6
560.5	173.0	26.2	600.5	174.4	28.1	640.5	168.9	29.1	680.5	177.1	30.6
561.0	173.7	26.2	601.0	173.7	28.1	641.0	174.4	29.1	681.0	175.1	30.6
561.5	173.0	26.2	601.5	173.7	28.1	641.5	175.1	29.1	681.5	175.1	30.6
562.0	173.0	26.2	602.0	174.4	28.1	642.0	174.4	29.1	682.0	175.8	30.6
562.5	173.7	26.2	602.5	173.7	28.1	642.5	175.1	29.1	682.5	175.8	30.6
563.0	172.3	26.2	603.0	173.7	28.1	643.0	176.5	29.1	683.0	175.8	30.6
563.5	173.0	26.2	603.5	173.7	28.1	643.5	176.5	29.1	683.5	177.1	30.6
564.0	172.3	26.2	604.0	174.4	28.1	644.0	175.1	29.1	684.0	175.1	30.6
564.5	172.3	26.2	604.5	173.0	28.1	644.5	175.1	29.1	684.5	175.1	30.7
565.0	173.0	26.3	605.0	173.7	28.1	645.0	175.1	29.1	685.0	175.8	30.7
565.5	173.7	26.3	605.5	173.0	28.1	645.5	175.8	29.1	685.5	177.1	30.8
566.0	173.0	26.4	606.0	173.7	28.1	646.0	175.8	29.1	686.0	175.8	30.8
566.5	172.3	26.5	606.5	173.0	28.1	646.5	175.1	29.1	686.5	175.8	30.9
567.0	173.7	26.5	607.0	173.0	28.1	647.0	175.8	29.1	687.0	177.8	31.0
567.5	173.0	26.6	607.5	173.0	28.1	647.5	172.3	29.1	687.5	176.5	31.0
568.0	173.7	26.7	608.0	173.7	28.1	648.0	175.8	29.1	688.0	177.1	31.1
568.5	173.7	26.7	608.5	174.4	28.1	648.5	175.1	29.2	688.5	175.8	31.1
569.0	173.0	26.7	609.0	173.7	28.1	649.0	175.1	29.2	689.0	176.5	31.1
569.5	173.0	26.7	609.5	173.0	28.1	649.5	175.1	29.3	689.5	176.5	31.1
570.0	173.7	26.7	610.0	173.7	28.1	650.0	175.1	29.4	690.0	176.5	31.1
570.5	173.7	26.7	610.5	174.4	28.1	650.5	175.1	29.4	690.5	178.5	31.1
571.0	173.0	26.7	611.0	173.0	28.1	651.0	174.4	29.5	691.0	176.5	31.1
571.5	173.7	26.7	611.5	173.7	28.1	651.5	175.1	29.6	691.5	177.1	31.1
572.0	173.0	26.7	612.0	173.7	28.1	652.0	175.8	29.6	692.0	176.5	31.1
572.5	173.7	26.7	612.5	173.7	28.1	652.5	175.8	29.6	692.5	176.5	31.1
573.0	170.9	26.8	613.0	173.7	28.1	653.0	175.8	29.6	693.0	177.1	31.1
573.5	173.7	26.8	613.5	173.7	28.1	653.5	175.1	29.6	693.5	175.8	31.1
574.0	174.4	26.9	614.0	174.4	28.1	654.0	175.1	29.6	694.0	178.5	31.1
574.5	173.0	27.0	614.5	173.0	28.1	654.5	175.1	29.6	694.5	177.1	31.1
575.0	173.0	27.0	615.0	173.0	28.1	655.0	176.5	29.6	695.0	177.1	31.1
575.5	173.7	27.1	615.5	173.7	28.1	655.5	174.4	29.6	695.5	176.5	31.1
576.0	173.7	27.1	616.0	173.7	28.1	656.0	175.1	29.6	696.0	176.5	31.1
576.5	174.4	27.1	616.5	173.0	28.2	656.5	171.6	29.6	696.5	176.5	31.1
577.0	173.7	27.1	617.0	172.3	28.3	657.0	175.1	29.6	697.0	176.5	31.1
577.5	174.4	27.1	617.5	173.7	28.3	657.5	175.8	29.6	697.5	176.5	31.1
578.0	174.4	27.1	618.0	174.4	28.4	658.0	175.8	29.6	698.0	176.5	31.1
578.5	173.7	27.1	618.5	173.7	28.4	658.5	176.5	29.6	698.5	175.8	31.1
579.0	174.4	27.1	619.0	174.4	28.5	659.0	175.1	29.6	699.0	175.8	31.1
579.5	173.7	27.1	619.5	174.4	28.6	659.5	177.8	29.6	699.5	175.8	31.1
580.0	172.3	27.1	620.0	174.4	28.6	660.0	176.5	29.6	700.0	176.5	31.1
580.5	174.4	27.1	620.5	173.7	28.6	660.5	176.5	29.7	700.5	175.8	31.1
581.0	173.7	27.1	621.0	173.7	28.6	661.0	176.5	29.7	701.0	175.8	31.1
581.5	173.7	27.1	621.5	173.7	28.6	661.5	174.4	29.8	701.5	177.1	31.1
582.0	174.4	27.1	622.0	173.7	28.6	662.0	175.8	29.9	702.0	177.1	31.1
582.5	175.1	27.1	622.5	170.9	28.6	662.5	175.8	29.9	702.5	177.1	31.1
583.0	173.7	27.1	623.0	173.7	28.6	663.0	175.8	30.0	703.0	177.1	31.1
583.5	173.7	27.1	623.5	174.4	28.6	663.5	175.8	30.0	703.5	176.5	31.1
584.0	173.7	27.1	624.0	173.7	28.6	664.0	173.7	30.1	704.0	175.1	31.1
584.5	173.7	27.2	624.5	173.7	28.6	664.5	175.8	30.1	704.5	176.5	31.2
585.0	173.7	27.3	625.0	173.7	28.6	665.0	174.4	30.1	705.0	177.1	31.2
585.5	173.0	27.3	625.5	174.4	28.6	665.5	175.8	30.1	705.5	176.5	31.3
586.0	172.3	27.4	626.0	173.7	28.6	666.0	175.8	30.1	706.0	175.8	31.3
586.5	173.0	27.5	626.5	174.4	28.6	666.5	175.8	30.1	706.5	175.8	31.4
587.0	174.4	27.5	627.0	174.4	28.6	667.0	176.5	30.1	707.0	176.5	31.5
587.5	175.8	27.6	627.5	173.7	28.6	667.5	176.5	30.1	707.5	176.5	31.5
588.0	173.7	27.6	628.0	174.4	28.6	668.0	179.2	30.1	708.0	177.1	31.6
588.5	173.0	27.6	628.5	174.4	28.6	668.5	174.4	30.1	708.5	175.8	31.6
589.0	173.7	27.6	629.0	175.1	28.6	669.0	175.8	30.1	709.0	176.5	31.6
589.5	173.7	27.6	629.5	175.8	28.6	669.5	175.8	30.1	709.5	175.8	31.6
590.0	175.1	27.6	630.0	173.7	28.6	670.0	175.8	30.1	710.0	175.8	31.6
590.5	173.0	27.6	630.5	175.1	28.6	670.5	175.8	30.1	710.5	176.5	31.6
591.0	173.0	27.6	631.0	174.4	28.6	671.0	176.5	30.1	711.0	176.5	31.6
591.5	173.0	27.6	631.5	175.1	28.6	671.5	174.4	30.1	711.5	176.5	31.6
592.0	173.0	27.6	632.0	175.8	28.6	672.0	176.5	30.1	712.0	175.8	31.6
592.5	175.1	27.6	632.5	174.4	28.6	672.5	175.8	30.2	712.5	176.5	31.6
593.0	173.0	27.6	633.0	175.1	28.6	673.0	176.5	30.2	713.0	176.5	31.6
593.5	173.7	27.6	633.5	173.7	28.6	673.5	175.8	30.3	713.5	175.8	31.6
594.0	173.7	27.6	634.0	175.1	28.6	674.0	174.4	30.4	714.0	176.5	31.6
594.5	175.1	27.6	634.5	173.0	28.6	674.5	174.4	30.4	714.5	176.5	31.6
595.0	173.7	27.6	635.0	173.7	28.6	675.0	177.1	30.5	715.0	176.5	31.6
595.5	173.0	27.6	635.5	174.4	28.6	675.5	176.5	30.5	715.5	176.5	31.6

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
716.0	169.6	31.6	756.0	178.5	32.6	796.0	177.8	34.1	836.0	178.5	35.0
716.5	176.5	31.6	756.5	177.8	32.6	796.5	177.1	34.1	836.5	177.8	35.0
717.0	177.1	31.6	757.0	177.8	32.6	797.0	176.5	34.1	837.0	178.5	35.0
717.5	176.5	31.6	757.5	178.5	32.6	797.5	176.5	34.1	837.5	178.5	35.0
718.0	175.8	31.6	758.0	178.5	32.6	798.0	176.5	34.1	838.0	179.2	35.0
718.5	176.5	31.6	758.5	177.8	32.6	798.5	176.5	34.1	838.5	179.2	35.0
719.0	176.5	31.6	759.0	177.8	32.6	799.0	175.8	34.1	839.0	179.2	35.0
719.5	175.8	31.6	759.5	177.1	32.6	799.5	177.1	34.1	839.5	178.5	35.0
720.0	175.8	31.6	760.0	179.2	32.6	800.0	176.5	34.1	840.0	178.5	35.0
720.5	175.1	31.6	760.5	177.8	32.6	800.5	176.5	34.1	840.5	179.2	35.1
721.0	179.9	31.6	761.0	177.8	32.7	801.0	176.5	34.1	841.0	179.2	35.2
721.5	175.8	31.6	761.5	178.5	32.8	801.5	176.5	34.1	841.5	179.9	35.2
722.0	175.8	31.6	762.0	177.8	32.8	802.0	176.5	34.1	842.0	178.5	35.3
722.5	175.8	31.6	762.5	178.5	32.9	802.5	176.5	34.1	842.5	179.2	35.4
723.0	175.8	31.6	763.0	178.5	32.9	803.0	177.1	34.1	843.0	179.2	35.4
723.5	177.1	31.6	763.5	178.5	33.0	803.5	175.8	34.1	843.5	178.5	35.5
724.0	176.5	31.6	764.0	178.5	33.1	804.0	177.1	34.1	844.0	179.2	35.5
724.5	181.3	31.6	764.5	178.5	33.1	804.5	176.5	34.1	844.5	179.2	35.6
725.0	176.5	31.6	765.0	177.8	33.1	805.0	177.1	34.1	845.0	179.2	35.7
725.5	177.1	31.6	765.5	177.8	33.1	805.5	176.5	34.1	845.5	179.2	35.7
726.0	176.5	31.6	766.0	178.5	33.1	806.0	176.5	34.1	846.0	179.2	35.8
726.5	177.1	31.6	766.5	178.5	33.1	806.5	177.1	34.1	846.5	179.2	35.8
727.0	176.5	31.6	767.0	177.8	33.1	807.0	176.5	34.1	847.0	179.2	35.9
727.5	180.6	31.6	767.5	178.5	33.1	807.5	177.8	34.1	847.5	177.8	36.0
728.0	176.5	31.6	768.0	179.2	33.1	808.0	176.5	34.1	848.0	179.2	36.0
728.5	177.1	31.6	768.5	177.8	33.1	808.5	177.1	34.1	848.5	179.2	36.0
729.0	175.8	31.6	769.0	178.5	33.1	809.0	176.5	34.1	849.0	184.0	36.0
729.5	175.1	31.6	769.5	177.1	33.1	809.5	177.1	34.1	849.5	179.2	36.0
730.0	177.1	31.6	770.0	177.1	33.1	810.0	176.5	34.1	850.0	179.2	36.0
730.5	177.1	31.6	770.5	178.5	33.1	810.5	177.1	34.1	850.5	179.2	36.0
731.0	175.8	31.6	771.0	178.5	33.1	811.0	177.8	34.1	851.0	179.2	36.0
731.5	175.8	31.6	771.5	178.5	33.1	811.5	176.5	34.1	851.5	177.1	36.0
732.0	176.5	31.6	772.0	177.8	33.1	812.0	177.8	34.1	852.0	179.9	36.0
732.5	175.8	31.7	772.5	178.5	33.1	812.5	177.1	34.1	852.5	179.2	36.1
733.0	177.1	31.7	773.0	177.8	33.2	813.0	179.2	34.2	853.0	179.9	36.2
733.5	177.1	31.8	773.5	178.5	33.3	813.5	177.8	34.2	853.5	178.5	36.2
734.0	176.5	31.8	774.0	178.5	33.3	814.0	176.5	34.3	854.0	179.9	36.3
734.5	177.1	31.9	774.5	178.5	33.4	814.5	177.8	34.4	854.5	179.9	36.3
735.0	177.1	32.0	775.0	179.2	33.4	815.0	177.1	34.4	855.0	178.5	36.4
735.5	177.1	32.0	775.5	177.1	33.5	815.5	177.8	34.5	855.5	178.5	36.5
736.0	176.5	32.1	776.0	177.1	33.6	816.0	178.5	34.6	856.0	179.2	36.5
736.5	178.5	32.1	776.5	177.1	33.6	816.5	177.8	34.6	856.5	181.3	36.6
737.0	176.5	32.1	777.0	178.5	33.6	817.0	177.8	34.6	857.0	178.5	36.7
737.5	175.8	32.1	777.5	178.5	33.6	817.5	177.1	34.6	857.5	178.5	36.7
738.0	177.1	32.1	778.0	178.5	33.6	818.0	177.8	34.6	858.0	179.2	36.8
738.5	176.5	32.1	778.5	177.1	33.6	818.5	177.1	34.6	858.5	178.5	36.8
739.0	174.4	32.1	779.0	177.1	33.6	819.0	177.8	34.6	859.0	179.2	36.9
739.5	177.1	32.1	779.5	177.1	33.6	819.5	177.1	34.6	859.5	179.2	37.0
740.0	177.1	32.1	780.0	178.5	33.6	820.0	177.1	34.6	860.0	179.2	37.0
740.5	176.5	32.1	780.5	178.5	33.6	820.5	177.8	34.6	860.5	178.5	37.1
741.0	177.1	32.1	781.0	178.5	33.6	821.0	177.8	34.6	861.0	179.2	37.1
741.5	176.5	32.1	781.5	177.1	33.6	821.5	177.1	34.6	861.5	179.9	37.2
742.0	176.5	32.1	782.0	178.5	33.6	822.0	177.1	34.6	862.0	179.2	37.3
742.5	177.1	32.1	782.5	178.5	33.6	822.5	181.3	34.6	862.5	178.5	37.3
743.0	177.1	32.1	783.0	177.1	33.6	823.0	178.5	34.6	863.0	179.9	37.4
743.5	177.1	32.1	783.5	177.1	33.6	823.5	177.8	34.6	863.5	179.2	37.5
744.0	177.1	32.1	784.0	178.5	33.6	824.0	177.8	34.6	864.0	179.2	37.5
744.5	177.8	32.1	784.5	176.5	33.6	824.5	177.8	34.6	864.5	179.2	37.6
745.0	176.5	32.1	785.0	177.1	33.6	825.0	178.5	34.6	865.0	179.2	37.6
745.5	177.8	32.1	785.5	176.5	33.6	825.5	177.8	34.6	865.5	179.9	37.7
746.0	177.8	32.1	786.0	176.5	33.6	826.0	178.5	34.6	866.0	179.9	37.8
746.5	177.1	32.1	786.5	175.8	33.6	826.5	177.8	34.6	866.5	179.2	37.8
747.0	177.1	32.1	787.0	176.5	33.6	827.0	177.8	34.6	867.0	179.9	37.9
747.5	177.8	32.1	787.5	175.8	33.6	827.5	177.1	34.6	867.5	179.9	37.9
748.0	177.1	32.1	788.0	176.5	33.6	828.0	176.5	34.6	868.0	179.9	38.0
748.5	176.5	32.1	788.5	180.6	33.6	828.5	177.8	34.6	868.5	179.9	38.1
749.0	178.5	32.2	789.0	175.8	33.6	829.0	177.8	34.7	869.0	179.2	38.1
749.5	177.8	32.3	789.5	176.5	33.6	829.5	177.8	34.7	869.5	179.9	38.2
750.0	177.8	32.3	790.0	175.8	33.6	830.0	177.8	34.8	870.0	179.9	38.3
750.5	177.8	32.4	790.5	175.8	33.6	830.5	175.8	34.9	870.5	179.9	38.3
751.0	178.5	32.5	791.0	175.8	33.6	831.0	177.8	34.9	871.0	179.9	38.4
751.5	178.5	32.5	791.5	175.8	33.6	831.5	178.5	35.0	871.5	183.3	38.4
752.0	177.8	32.6	792.0	175.8	33.6	832.0	177.8	35.0	872.0	180.6	38.5
752.5	177.8	32.6	792.5	175.8	33.6	832.5	177.8	35.0	872.5	180.6	38.6
753.0	177.8	32.6	793.0	176.5	33.7	833.0	177.8	35.0	873.0	179.9	38.6
753.5	177.1	32.6	793.5	176.5	33.7	833.5	169.6	35.0	873.5	180.6	38.7
754.0	178.5	32.6	794.0	175.8	33.8	834.0	178.5	35.0	874.0	179.9	38.7
754.5	177.8	32.6	794.5	170.9	33.9	834.5	178.5	35.0	874.5	179.2	38.8
755.0	177.8	32.6	795.0	177.1	33.9	835.0	178.5	35.0	875.0	181.3	38.9
755.5	178.5	32.6	795.5	175.8	34.0	835.5	178.5	35.0	875.5	179.2	38.9

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
876.0	180.6	39.0	916.0	182.0	44.5	956.0	181.3	47.0	996.0	180.6	47.5
876.5	179.9	39.1	916.5	182.7	44.5	956.5	182.7	47.0	996.5	180.6	47.5
877.0	179.9	39.1	917.0	182.0	44.6	957.0	182.0	47.0	997.0	181.3	47.5
877.5	179.9	39.2	917.5	182.7	44.7	957.5	181.3	47.0	997.5	181.3	47.5
878.0	179.9	39.2	918.0	182.7	44.7	958.0	182.0	47.0	998.0	181.3	47.5
878.5	182.0	39.3	918.5	182.7	44.8	958.5	182.0	47.0	998.5	181.3	47.5
879.0	179.9	39.4	919.0	182.7	44.8	959.0	182.0	47.0	999.0	180.6	47.5
879.5	180.6	39.4	919.5	182.7	44.9	959.5	182.0	47.0	999.5	181.3	47.5
880.0	179.9	39.5	920.0	183.3	45.0	960.0	182.7	47.0	1000.0	180.6	47.5
880.5	179.9	39.6	920.5	182.7	45.0	960.5	180.6	47.0	1000.5	180.6	47.5
881.0	184.0	39.6	921.0	182.7	45.1	961.0	182.7	47.0	1001.0	181.3	47.5
881.5	180.6	39.7	921.5	182.0	45.2	961.5	182.0	47.0	1001.5	182.0	47.5
882.0	179.9	39.7	922.0	182.7	45.2	962.0	182.0	47.0	1002.0	181.3	47.5
882.5	181.3	39.8	922.5	182.7	45.3	962.5	182.0	47.0	1002.5	181.3	47.5
883.0	179.9	39.9	923.0	182.0	45.3	963.0	180.6	47.0	1003.0	180.6	47.5
883.5	180.6	39.9	923.5	182.7	45.4	963.5	181.3	47.0	1003.5	181.3	47.5
884.0	180.6	40.0	924.0	183.3	45.5	964.0	182.0	47.0	1004.0	181.3	47.5
884.5	180.6	40.0	924.5	182.7	45.5	964.5	182.0	47.0	1004.5	181.3	47.5
885.0	181.3	40.1	925.0	182.7	45.6	965.0	181.3	47.0	1005.0	181.3	47.5
885.5	181.3	40.2	925.5	182.7	45.7	965.5	182.0	47.0	1005.5	181.3	47.5
886.0	182.0	40.2	926.0	182.7	45.7	966.0	182.0	47.0	1006.0	181.3	47.5
886.5	181.3	40.3	926.5	183.3	45.8	966.5	182.0	47.0	1006.5	181.3	47.5
887.0	180.6	40.4	927.0	182.0	45.8	967.0	181.3	47.0	1007.0	181.3	47.5
887.5	181.3	40.4	927.5	182.0	45.9	967.5	182.0	47.0	1007.5	181.3	47.5
888.0	182.0	40.5	928.0	182.0	46.0	968.0	182.0	47.0	1008.0	181.3	47.5
888.5	179.9	40.5	928.5	182.7	46.0	968.5	182.0	47.0	1008.5	180.6	47.5
889.0	182.7	40.6	929.0	182.0	46.0	969.0	181.3	47.0	1009.0	180.6	47.6
889.5	180.6	40.7	929.5	182.0	46.0	969.5	182.0	47.0	1009.5	181.3	47.7
890.0	181.3	40.7	930.0	182.0	46.0	970.0	182.0	47.0	1010.0	182.0	47.7
890.5	180.6	40.8	930.5	182.0	46.0	970.5	182.0	47.0	1010.5	181.3	47.8
891.0	179.9	40.9	931.0	182.0	46.0	971.0	182.0	47.0	1011.0	181.3	47.8
891.5	182.0	40.9	931.5	182.7	46.0	971.5	181.3	47.0	1011.5	181.3	47.9
892.0	182.0	41.0	932.0	181.3	46.0	972.0	181.3	47.0	1012.0	180.6	48.0
892.5	182.7	41.0	932.5	182.0	46.0	972.5	181.3	47.0	1012.5	182.0	48.0
893.0	182.0	41.1	933.0	182.0	46.0	973.0	182.0	47.1	1013.0	181.3	48.0
893.5	177.1	41.2	933.5	182.0	46.0	973.5	182.0	47.2	1013.5	180.6	48.0
894.0	182.0	41.2	934.0	182.7	46.0	974.0	182.0	47.2	1014.0	182.0	48.0
894.5	182.7	41.3	934.5	182.0	46.0	974.5	182.0	47.3	1014.5	181.3	48.0
895.0	182.0	41.4	935.0	182.0	46.0	975.0	181.3	47.3	1015.0	181.3	48.0
895.5	182.0	41.4	935.5	182.0	46.0	975.5	180.6	47.4	1015.5	181.3	48.0
896.0	186.1	41.5	936.0	182.0	46.0	976.0	182.0	47.5	1016.0	181.3	48.0
896.5	182.7	41.5	936.5	182.0	46.0	976.5	180.6	47.5	1016.5	181.3	48.0
897.0	181.3	41.6	937.0	182.0	46.1	977.0	179.9	47.5	1017.0	181.3	48.0
897.5	181.3	41.7	937.5	182.0	46.2	977.5	181.3	47.5	1017.5	180.6	48.0
898.0	182.0	41.7	938.0	182.7	46.2	978.0	181.3	47.5	1018.0	181.3	48.0
898.5	181.3	41.8	938.5	182.0	46.3	978.5	181.3	47.5	1018.5	181.3	48.0
899.0	182.7	41.9	939.0	182.7	46.3	979.0	181.3	47.5	1019.0	181.3	48.0
899.5	182.0	41.9	939.5	182.7	46.4	979.5	180.6	47.5	1019.5	181.3	48.0
900.0	182.0	42.0	940.0	180.6	46.5	980.0	181.3	47.5	1020.0	180.6	48.0
900.5	182.0	42.0	940.5	182.0	46.5	980.5	182.0	47.5	1020.5	178.5	48.0
901.0	182.0	42.1	941.0	182.7	46.5	981.0	181.3	47.5	1021.0	181.3	48.0
901.5	182.7	42.2	941.5	182.0	46.5	981.5	181.3	47.5	1021.5	182.0	48.0
902.0	182.0	42.2	942.0	182.0	46.5	982.0	181.3	47.5	1022.0	181.3	48.0
902.5	183.3	42.3	942.5	182.7	46.5	982.5	180.6	47.5	1022.5	180.6	48.0
903.0	182.7	42.4	943.0	182.7	46.5	983.0	181.3	47.5	1023.0	181.3	48.0
903.5	182.7	42.4	943.5	182.7	46.5	983.5	182.0	47.5	1023.5	182.0	48.0
904.0	177.1	42.5	944.0	182.0	46.5	984.0	181.3	47.5	1024.0	181.3	48.0
904.5	188.2	42.6	944.5	180.6	46.5	984.5	181.3	47.5	1024.5	181.3	48.0
905.0	182.7	42.7	945.0	182.0	46.5	985.0	181.3	47.5	1025.0	181.3	48.0
905.5	182.0	42.9	945.5	182.7	46.5	985.5	180.6	47.5	1025.5	180.6	48.0
906.0	182.7	43.0	946.0	182.0	46.5	986.0	181.3	47.5	1026.0	181.3	48.0
906.5	182.7	43.1	946.5	182.0	46.5	986.5	180.6	47.5	1026.5	181.3	48.0
907.0	186.8	43.2	947.0	182.0	46.5	987.0	181.3	47.5	1027.0	181.3	48.0
907.5	182.0	43.4	947.5	182.7	46.5	987.5	181.3	47.5	1027.5	181.3	48.0
908.0	179.9	43.5	948.0	182.0	46.5	988.0	180.6	47.5	1028.0	181.3	48.0
908.5	182.7	43.5	948.5	182.7	46.5	988.5	181.3	47.5	1028.5	181.3	48.0
909.0	181.3	43.6	949.0	182.0	46.6	989.0	181.3	47.5	1029.0	180.6	48.0
909.5	182.7	43.7	949.5	181.3	46.7	989.5	180.6	47.5	1029.5	180.6	48.0
910.0	183.3	43.7	950.0	181.3	46.7	990.0	181.3	47.5	1030.0	180.6	48.0
910.5	178.5	43.8	950.5	182.0	46.8	990.5	181.3	47.5	1030.5	180.6	48.0
911.0	185.4	43.8	951.0	182.0	46.8	991.0	180.6	47.5	1031.0	181.3	48.0
911.5	182.7	43.9	951.5	182.0	46.9	991.5	181.3	47.5	1031.5	180.6	48.0
912.0	182.7	44.0	952.0	181.3	47.0	992.0	180.6	47.5	1032.0	180.6	48.0
912.5	183.3	44.0	952.5	181.3	47.0	992.5	181.3	47.5	1032.5	181.3	48.0
913.0	183.3	44.1	953.0	181.3	47.0	993.0	182.0	47.5	1033.0	181.3	48.0
913.5	183.3	44.2	953.5	182.0	47.0	993.5	181.3	47.5	1033.5	181.3	48.0
914.0	182.0	44.2	954.0	181.3	47.0	994.0	180.6	47.5	1034.0	182.0	48.0
914.5	182.0	44.3	954.5	182.0	47.0	994.5	181.3	47.5	1034.5	182.0	48.0
915.0	182.7	44.3	955.0	182.7	47.0	995.0	181.3	47.5	1035.0	181.3	48.0
915.5	182.7	44.4	955.5	182.0	47.0	995.5	181.3	47.5	1035.5	181.3	48.0

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1036.0	181.3	48.0	1076.0	180.6	48.5	1116.0	182.0	48.5	1156.0	182.0	48.5
1036.5	181.3	48.0	1076.5	180.6	48.5	1116.5	182.0	48.5	1156.5	181.3	48.5
1037.0	181.3	48.0	1077.0	181.3	48.5	1117.0	182.0	48.5	1157.0	181.3	48.5
1037.5	181.3	48.0	1077.5	180.6	48.5	1117.5	181.3	48.5	1157.5	182.0	48.5
1038.0	180.6	48.0	1078.0	180.6	48.5	1118.0	182.0	48.5	1158.0	182.0	48.5
1038.5	181.3	48.0	1078.5	180.6	48.5	1118.5	182.0	48.5	1158.5	182.0	48.5
1039.0	181.3	48.0	1079.0	179.2	48.5	1119.0	182.0	48.5	1159.0	182.0	48.5
1039.5	180.6	48.0	1079.5	180.6	48.5	1119.5	181.3	48.5	1159.5	182.0	48.5
1040.0	180.6	48.0	1080.0	180.6	48.5	1120.0	181.3	48.5	1160.0	182.0	48.5
1040.5	180.6	48.0	1080.5	180.6	48.5	1120.5	182.0	48.5	1160.5	182.0	48.5
1041.0	180.6	48.0	1081.0	180.6	48.5	1121.0	181.3	48.5	1161.0	182.0	48.5
1041.5	180.6	48.0	1081.5	181.3	48.5	1121.5	181.3	48.5	1161.5	182.0	48.5
1042.0	181.3	48.0	1082.0	180.6	48.5	1122.0	182.0	48.5	1162.0	182.0	48.5
1042.5	180.6	48.0	1082.5	180.6	48.5	1122.5	182.0	48.5	1162.5	182.0	48.5
1043.0	181.3	48.0	1083.0	180.6	48.5	1123.0	181.3	48.5	1163.0	182.0	48.5
1043.5	181.3	48.0	1083.5	180.6	48.5	1123.5	181.3	48.5	1163.5	182.0	48.5
1044.0	181.3	48.0	1084.0	180.6	48.5	1124.0	181.3	48.5	1164.0	182.0	48.5
1044.5	181.3	48.0	1084.5	181.3	48.5	1124.5	181.3	48.5	1164.5	182.0	48.5
1045.0	180.6	48.0	1085.0	180.6	48.5	1125.0	181.3	48.5	1165.0	182.0	48.5
1045.5	181.3	48.0	1085.5	180.6	48.5	1125.5	181.3	48.5	1165.5	182.0	48.5
1046.0	180.6	48.0	1086.0	180.6	48.5	1126.0	182.0	48.5	1166.0	182.0	48.5
1046.5	180.6	48.0	1086.5	179.9	48.5	1126.5	181.3	48.5	1166.5	182.0	48.5
1047.0	180.6	48.0	1087.0	181.3	48.5	1127.0	182.0	48.5	1167.0	182.0	48.5
1047.5	180.6	48.0	1087.5	180.6	48.5	1127.5	181.3	48.5	1167.5	181.3	48.5
1048.0	181.3	48.0	1088.0	179.9	48.5	1128.0	181.3	48.5	1168.0	182.0	48.5
1048.5	180.6	48.0	1088.5	179.9	48.5	1128.5	181.3	48.5	1168.5	181.3	48.5
1049.0	181.3	48.0	1089.0	180.6	48.5	1129.0	181.3	48.5	1169.0	182.0	48.6
1049.5	181.3	48.0	1089.5	179.2	48.5	1129.5	181.3	48.5	1169.5	182.0	48.7
1050.0	182.0	48.0	1090.0	180.6	48.5	1130.0	181.3	48.5	1170.0	182.7	48.7
1050.5	182.0	48.0	1090.5	181.3	48.5	1130.5	181.3	48.5	1170.5	181.3	48.8
1051.0	180.6	48.0	1091.0	179.9	48.5	1131.0	181.3	48.5	1171.0	182.0	48.8
1051.5	181.3	48.0	1091.5	180.6	48.5	1131.5	181.3	48.5	1171.5	182.0	48.9
1052.0	181.3	48.0	1092.0	180.6	48.5	1132.0	182.0	48.5	1172.0	180.6	49.0
1052.5	180.6	48.0	1092.5	180.6	48.5	1132.5	181.3	48.5	1172.5	182.0	49.0
1053.0	181.3	48.0	1093.0	179.9	48.5	1133.0	182.0	48.5	1173.0	182.0	49.0
1053.5	181.3	48.0	1093.5	180.6	48.5	1133.5	181.3	48.5	1173.5	182.0	49.0
1054.0	181.3	48.0	1094.0	181.3	48.5	1134.0	181.3	48.5	1174.0	182.0	49.0
1054.5	180.6	48.0	1094.5	181.3	48.5	1134.5	182.0	48.5	1174.5	182.0	49.0
1055.0	181.3	48.0	1095.0	181.3	48.5	1135.0	182.0	48.5	1175.0	182.0	49.0
1055.5	181.3	48.0	1095.5	181.3	48.5	1135.5	182.0	48.5	1175.5	182.0	49.0
1056.0	181.3	48.0	1096.0	180.6	48.5	1136.0	181.3	48.5	1176.0	182.0	49.0
1056.5	182.7	48.0	1096.5	181.3	48.5	1136.5	182.0	48.5	1176.5	180.6	49.0
1057.0	181.3	48.0	1097.0	182.0	48.5	1137.0	181.3	48.5	1177.0	182.0	49.0
1057.5	180.6	48.0	1097.5	181.3	48.5	1137.5	181.3	48.5	1177.5	180.6	49.0
1058.0	182.0	48.0	1098.0	181.3	48.5	1138.0	181.3	48.5	1178.0	180.6	49.0
1058.5	181.3	48.0	1098.5	182.0	48.5	1138.5	182.0	48.5	1178.5	182.7	49.0
1059.0	181.3	48.0	1099.0	181.3	48.5	1139.0	182.0	48.5	1179.0	182.0	49.0
1059.5	181.3	48.0	1099.5	181.3	48.5	1139.5	182.0	48.5	1179.5	182.0	49.0
1060.0	181.3	48.0	1100.0	182.0	48.5	1140.0	181.3	48.5	1180.0	182.0	49.0
1060.5	181.3	48.0	1100.5	182.0	48.5	1140.5	182.0	48.5	1180.5	180.6	49.0
1061.0	182.0	48.0	1101.0	182.0	48.5	1141.0	181.3	48.5	1181.0	182.0	49.0
1061.5	181.3	48.0	1101.5	182.0	48.5	1141.5	182.0	48.5	1181.5	182.0	49.0
1062.0	182.0	48.0	1102.0	182.0	48.5	1142.0	182.0	48.5	1182.0	180.6	49.0
1062.5	182.0	48.0	1102.5	181.3	48.5	1142.5	181.3	48.5	1182.5	182.0	49.0
1063.0	181.3	48.0	1103.0	181.3	48.5	1143.0	182.0	48.5	1183.0	182.0	49.0
1063.5	181.3	48.0	1103.5	181.3	48.5	1143.5	182.0	48.5	1183.5	180.6	49.0
1064.0	181.3	48.0	1104.0	181.3	48.5	1144.0	181.3	48.5	1184.0	182.0	49.0
1064.5	182.0	48.0	1104.5	181.3	48.5	1144.5	182.0	48.5	1184.5	182.0	49.0
1065.0	182.0	48.0	1105.0	181.3	48.5	1145.0	181.3	48.5	1185.0	180.6	49.0
1065.5	181.3	48.0	1105.5	181.3	48.5	1145.5	182.0	48.5	1185.5	182.0	49.0
1066.0	181.3	48.0	1106.0	181.3	48.5	1146.0	182.0	48.5	1186.0	182.0	49.0
1066.5	181.3	48.0	1106.5	181.3	48.5	1146.5	181.3	48.5	1186.5	180.6	49.0
1067.0	181.3	48.0	1107.0	182.0	48.5	1147.0	182.0	48.5	1187.0	182.0	49.0
1067.5	181.3	48.0	1107.5	181.3	48.5	1147.5	182.0	48.5	1187.5	182.7	49.0
1068.0	181.3	48.0	1108.0	181.3	48.5	1148.0	181.3	48.5	1188.0	182.0	49.0
1068.5	182.0	48.0	1108.5	181.3	48.5	1148.5	181.3	48.5	1188.5	180.6	49.0
1069.0	181.3	48.0	1109.0	181.3	48.5	1149.0	182.0	48.5	1189.0	182.0	49.0
1069.5	181.3	48.0	1109.5	182.0	48.5	1149.5	182.0	48.5	1189.5	182.0	49.0
1070.0	180.6	48.0	1110.0	181.3	48.5	1150.0	182.0	48.5	1190.0	182.0	49.0
1070.5	181.3	48.0	1110.5	181.3	48.5	1150.5	182.0	48.5	1190.5	180.6	49.0
1071.0	182.0	48.0	1111.0	181.3	48.5	1151.0	181.3	48.5	1191.0	182.7	49.0
1071.5	181.3	48.0	1111.5	182.0	48.5	1151.5	182.0	48.5	1191.5	182.0	49.0
1072.0	182.0	48.0	1112.0	182.0	48.5	1152.0	182.0	48.5	1192.0	180.6	49.0
1072.5	181.3	48.0	1112.5	182.0	48.5	1152.5	182.0	48.5	1192.5	182.0	49.0
1073.0	180.6	48.1	1113.0	181.3	48.5	1153.0	182.0	48.5	1193.0	182.0	49.0
1073.5	179.9	48.2	1113.5	181.3	48.5	1153.5	181.3	48.5	1193.5	182.0	49.0
1074.0	179.9	48.2	1114.0	182.0	48.5	1154.0	182.0	48.5	1194.0	182.7	49.0
1074.5	179.9	48.3	1114.5	181.3	48.5	1154.5	182.0	48.5	1194.5	182.0	49.0
1075.0	179.9	48.3	1115.0	182.0	48.5	1155.0	182.0	48.5	1195.0	182.0	49.0
1075.5	179.9	48.4	1115.5	182.0	48.5	1155.5	182.0	48.5	1195.5	182.0	49.0

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1196.0	182.0	49.0	1236.0	182.0	49.0	1276.0	182.0	49.0	1316.0	182.0	49.5
1196.5	182.0	49.0	1236.5	182.0	49.0	1276.5	181.3	49.0	1316.5	181.3	49.5
1197.0	182.0	49.0	1237.0	180.6	49.0	1277.0	181.3	49.1	1317.0	181.3	49.5
1197.5	180.6	49.0	1237.5	182.0	49.0	1277.5	182.0	49.2	1317.5	182.0	49.5
1198.0	182.0	49.0	1238.0	182.7	49.0	1278.0	182.0	49.2	1318.0	181.3	49.5
1198.5	182.0	49.0	1238.5	182.0	49.0	1278.5	181.3	49.3	1318.5	181.3	49.5
1199.0	182.0	49.0	1239.0	182.0	49.0	1279.0	182.0	49.3	1319.0	182.0	49.5
1199.5	182.0	49.0	1239.5	182.0	49.0	1279.5	181.3	49.4	1319.5	181.3	49.5
1200.0	182.0	49.0	1240.0	182.0	49.0	1280.0	182.0	49.5	1320.0	181.3	49.5
1200.5	182.0	49.0	1240.5	182.0	49.0	1280.5	181.3	49.5	1320.5	182.0	49.5
1201.0	182.0	49.0	1241.0	182.0	49.0	1281.0	181.3	49.5	1321.0	182.0	49.5
1201.5	182.0	49.0	1241.5	182.0	49.0	1281.5	181.3	49.5	1321.5	182.0	49.5
1202.0	180.6	49.0	1242.0	182.0	49.0	1282.0	181.3	49.5	1322.0	182.0	49.5
1202.5	182.0	49.0	1242.5	182.0	49.0	1282.5	182.0	49.5	1322.5	182.0	49.5
1203.0	182.0	49.0	1243.0	182.7	49.0	1283.0	181.3	49.5	1323.0	183.3	49.5
1203.5	182.0	49.0	1243.5	182.0	49.0	1283.5	182.0	49.5	1323.5	183.3	49.5
1204.0	182.0	49.0	1244.0	182.0	49.0	1284.0	181.3	49.5	1324.0	184.0	49.5
1204.5	180.6	49.0	1244.5	182.0	49.0	1284.5	181.3	49.5	1324.5	184.0	49.5
1205.0	182.7	49.0	1245.0	182.0	49.0	1285.0	181.3	49.5	1325.0	186.8	49.5
1205.5	182.0	49.0	1245.5	182.0	49.0	1285.5	182.0	49.5	1325.5	190.2	49.5
1206.0	182.0	49.0	1246.0	182.0	49.0	1286.0	181.3	49.5	1326.0	189.6	49.5
1206.5	182.0	49.0	1246.5	182.0	49.0	1286.5	181.3	49.5	1326.5	188.9	49.5
1207.0	182.0	49.0	1247.0	182.7	49.0	1287.0	181.3	49.5	1327.0	190.2	49.5
1207.5	182.0	49.0	1247.5	182.7	49.0	1287.5	181.3	49.5	1327.5	190.2	49.5
1208.0	182.0	49.0	1248.0	180.6	49.0	1288.0	180.6	49.5	1328.0	189.6	49.5
1208.5	182.0	49.0	1248.5	182.0	49.0	1288.5	181.3	49.5	1328.5	189.6	49.5
1209.0	180.6	49.0	1249.0	182.0	49.0	1289.0	181.3	49.5	1329.0	190.2	49.5
1209.5	182.0	49.0	1249.5	182.7	49.0	1289.5	181.3	49.5	1329.5	190.2	49.5
1210.0	182.0	49.0	1250.0	182.0	49.0	1290.0	181.3	49.5	1330.0	189.6	49.5
1210.5	180.6	49.0	1250.5	182.7	49.0	1290.5	181.3	49.5	1330.5	189.6	49.5
1211.0	182.0	49.0	1251.0	182.7	49.0	1291.0	181.3	49.5	1331.0	190.2	49.5
1211.5	180.6	49.0	1251.5	182.0	49.0	1291.5	182.0	49.5	1331.5	190.2	49.5
1212.0	182.7	49.0	1252.0	182.0	49.0	1292.0	181.3	49.5	1332.0	193.7	49.5
1212.5	180.6	49.0	1252.5	182.0	49.0	1292.5	182.0	49.5	1332.5	190.9	49.5
1213.0	182.0	49.0	1253.0	182.0	49.0	1293.0	181.3	49.5	1333.0	189.6	49.5
1213.5	182.7	49.0	1253.5	182.7	49.0	1293.5	182.0	49.5	1333.5	189.6	49.5
1214.0	182.0	49.0	1254.0	182.0	49.0	1294.0	181.3	49.5	1334.0	188.2	49.5
1214.5	180.6	49.0	1254.5	182.0	49.0	1294.5	181.3	49.5	1334.5	189.6	49.5
1215.0	180.6	49.0	1255.0	182.0	49.0	1295.0	182.0	49.5	1335.0	190.2	49.5
1215.5	182.0	49.0	1255.5	182.7	49.0	1295.5	181.3	49.5	1335.5	189.6	49.5
1216.0	182.0	49.0	1256.0	182.0	49.0	1296.0	181.3	49.5	1336.0	189.6	49.5
1216.5	182.0	49.0	1256.5	182.0	49.0	1296.5	182.0	49.5	1336.5	190.2	49.5
1217.0	182.0	49.0	1257.0	180.6	49.0	1297.0	181.3	49.5	1337.0	190.9	49.5
1217.5	182.0	49.0	1257.5	182.0	49.0	1297.5	182.0	49.5	1337.5	190.2	49.5
1218.0	182.0	49.0	1258.0	182.0	49.0	1298.0	181.3	49.5	1338.0	189.6	49.5
1218.5	182.0	49.0	1258.5	182.0	49.0	1298.5	181.3	49.5	1338.5	189.6	49.5
1219.0	180.6	49.0	1259.0	182.7	49.0	1299.0	181.3	49.5	1339.0	190.9	49.5
1219.5	182.0	49.0	1259.5	180.6	49.0	1299.5	181.3	49.5	1339.5	190.9	49.5
1220.0	182.0	49.0	1260.0	182.0	49.0	1300.0	182.0	49.5	1340.0	190.2	49.5
1220.5	182.0	49.0	1260.5	180.6	49.0	1300.5	181.3	49.5	1340.5	190.2	49.5
1221.0	182.0	49.0	1261.0	182.7	49.0	1301.0	181.3	49.5	1341.0	189.6	49.5
1221.5	182.0	49.0	1261.5	182.0	49.0	1301.5	181.3	49.5	1341.5	188.9	49.5
1222.0	182.0	49.0	1262.0	182.0	49.0	1302.0	181.3	49.5	1342.0	189.6	49.5
1222.5	180.6	49.0	1262.5	182.7	49.0	1302.5	181.3	49.5	1342.5	190.2	49.5
1223.0	182.0	49.0	1263.0	182.0	49.0	1303.0	181.3	49.5	1343.0	190.2	49.5
1223.5	182.0	49.0	1263.5	182.0	49.0	1303.5	182.0	49.5	1343.5	190.2	49.5
1224.0	182.0	49.0	1264.0	182.7	49.0	1304.0	182.0	49.5	1344.0	190.9	49.5
1224.5	182.0	49.0	1264.5	182.0	49.0	1304.5	182.0	49.5	1344.5	190.9	49.5
1225.0	182.0	49.0	1265.0	182.0	49.0	1305.0	182.0	49.5	1345.0	190.2	49.5
1225.5	182.0	49.0	1265.5	180.6	49.0	1305.5	182.0	49.5	1345.5	189.6	49.5
1226.0	182.0	49.0	1266.0	182.0	49.0	1306.0	181.3	49.5	1346.0	190.2	49.5
1226.5	180.6	49.0	1266.5	182.0	49.0	1306.5	181.3	49.5	1346.5	190.2	49.5
1227.0	182.0	49.0	1267.0	182.7	49.0	1307.0	181.3	49.5	1347.0	190.9	49.5
1227.5	182.0	49.0	1267.5	182.7	49.0	1307.5	181.3	49.5	1347.5	189.6	49.5
1228.0	182.0	49.0	1268.0	182.0	49.0	1308.0	182.0	49.5	1348.0	190.2	49.5
1228.5	182.0	49.0	1268.5	180.6	49.0	1308.5	182.0	49.5	1348.5	189.6	49.5
1229.0	182.0	49.0	1269.0	182.0	49.0	1309.0	182.0	49.5	1349.0	190.2	49.5
1229.5	182.0	49.0	1269.5	182.0	49.0	1309.5	182.0	49.5	1349.5	190.2	49.5
1230.0	182.0	49.0	1270.0	182.0	49.0	1310.0	181.3	49.5	1350.0	189.6	49.5
1230.5	182.0	49.0	1270.5	182.7	49.0	1310.5	181.3	49.5	1350.5	189.6	49.5
1231.0	182.0	49.0	1271.0	182.0	49.0	1311.0	181.3	49.5	1351.0	190.2	49.5
1231.5	180.6	49.0	1271.5	182.7	49.0	1311.5	181.3	49.5	1351.5	189.6	49.5
1232.0	182.0	49.0	1272.0	182.0	49.0	1312.0	182.0	49.5	1352.0	188.9	49.5
1232.5	182.0	49.0	1272.5	182.7	49.0	1312.5	181.3	49.5	1352.5	190.2	49.5
1233.0	182.0	49.0	1273.0	182.0	49.0	1313.0	182.0	49.5	1353.0	190.9	49.5
1233.5	182.0	49.0	1273.5	182.7	49.0	1313.5	182.0	49.5	1353.5	189.6	49.5
1234.0	182.0	49.0	1274.0	182.0	49.0	1314.0	182.0	49.5	1354.0	190.2	49.5
1234.5	182.0	49.0	1274.5	182.7	49.0	1314.5	182.0	49.5	1354.5	189.6	49.5
1235.0	182.7	49.0	1275.0	182.7	49.0	1315.0	182.0	49.5	1355.0	190.2	49.5
1235.5	182.0	49.0	1275.5	182.7	49.0	1315.5	181.3	49.5	1355.5	190.2	49.5

TEST REFERENCE#: 300926AR

FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1356.0	190.2	49.5	1396.0	774.9	51.0	1436.0	952.8	51.5	1476.0	939.0	51.5
1356.5	190.2	49.5	1396.5	774.2	51.0	1436.5	979.0	51.5	1476.5	939.0	51.5
1357.0	189.6	49.5	1397.0	774.2	51.1	1437.0	1025.2	51.5	1477.0	939.0	51.5
1357.5	190.9	49.5	1397.5	774.2	51.1	1437.5	988.0	51.5	1477.5	939.0	51.5
1358.0	190.2	49.5	1398.0	773.5	51.2	1438.0	973.5	51.5	1478.0	939.0	51.5
1358.5	189.6	49.5	1398.5	772.8	51.3	1438.5	937.6	51.5	1478.5	939.0	51.5
1359.0	193.0	49.5	1399.0	773.5	51.3	1439.0	939.0	51.5	1479.0	939.7	51.5
1359.5	189.6	49.5	1399.5	773.5	51.4	1439.5	938.3	51.5	1479.5	939.7	51.5
1360.0	189.6	49.5	1400.0	772.8	51.5	1440.0	948.7	51.5	1480.0	939.0	51.5
1360.5	190.2	49.5	1400.5	772.8	51.5	1440.5	945.9	51.5	1480.5	939.0	51.5
1361.0	189.6	49.5	1401.0	772.8	51.5	1441.0	938.3	51.5	1481.0	939.0	51.5
1361.5	190.2	49.5	1401.5	772.2	51.5	1441.5	916.9	51.5	1481.5	939.0	51.5
1362.0	190.2	49.5	1402.0	773.5	51.5	1442.0	928.7	51.5	1482.0	938.3	51.5
1362.5	184.7	49.5	1402.5	773.5	51.5	1442.5	921.8	51.5	1482.5	939.0	51.5
1363.0	191.6	49.5	1403.0	772.8	51.5	1443.0	936.9	51.5	1483.0	939.0	51.5
1363.5	190.2	49.5	1403.5	773.5	51.5	1443.5	939.0	51.5	1483.5	939.0	51.5
1364.0	190.2	49.5	1404.0	772.8	51.5	1444.0	941.8	51.5	1484.0	938.3	51.5
1364.5	189.6	49.5	1404.5	771.5	51.5	1444.5	941.1	51.5	1484.5	939.0	51.5
1365.0	190.2	49.5	1405.0	771.5	51.5	1445.0	939.7	51.5	1485.0	939.0	51.5
1365.5	189.6	49.5	1405.5	772.2	51.5	1445.5	941.1	51.5	1485.5	939.0	51.5
1366.0	190.2	49.5	1406.0	770.8	51.5	1446.0	941.1	51.5	1486.0	939.0	51.5
1366.5	189.6	49.5	1406.5	771.5	51.5	1446.5	941.1	51.5	1486.5	938.3	51.5
1367.0	182.0	49.5	1407.0	772.2	51.5	1447.0	939.7	51.5	1487.0	939.0	51.5
1367.5	181.3	49.5	1407.5	772.2	51.5	1447.5	941.1	51.5	1487.5	939.0	51.5
1368.0	182.0	49.5	1408.0	771.5	51.5	1448.0	941.1	51.5	1488.0	939.0	51.5
1368.5	182.0	49.5	1408.5	770.8	51.5	1448.5	941.1	51.5	1488.5	939.0	51.5
1369.0	182.0	49.5	1409.0	770.1	51.5	1449.0	939.7	51.5	1489.0	938.3	51.5
1369.5	182.0	49.5	1409.5	770.8	51.5	1449.5	941.1	51.5	1489.5	939.0	51.5
1370.0	182.0	49.5	1410.0	771.5	51.5	1450.0	939.7	51.5	1490.0	939.0	51.5
1370.5	181.3	49.5	1410.5	770.1	51.5	1450.5	939.7	51.5	1490.5	939.0	51.5
1371.0	182.0	49.5	1411.0	770.1	51.5	1451.0	939.7	51.5	1491.0	938.3	51.5
1371.5	182.0	49.5	1411.5	770.8	51.5	1451.5	939.7	51.5	1491.5	939.0	51.5
1372.0	182.0	49.5	1412.0	768.7	51.5	1452.0	939.7	51.5	1492.0	938.3	51.5
1372.5	182.0	49.5	1412.5	770.8	51.5	1452.5	939.7	51.5	1492.5	939.0	51.5
1373.0	181.3	49.5	1413.0	770.1	51.5	1453.0	939.7	51.5	1493.0	939.0	51.5
1373.5	182.0	49.5	1413.5	768.7	51.5	1453.5	939.7	51.5	1493.5	938.3	51.5
1374.0	182.0	49.5	1414.0	770.1	51.5	1454.0	939.7	51.5	1494.0	939.0	51.5
1374.5	181.3	49.5	1414.5	768.7	51.5	1454.5	939.7	51.5	1494.5	938.3	51.5
1375.0	182.0	49.5	1415.0	770.1	51.5	1455.0	939.7	51.5	1495.0	939.7	51.5
1375.5	182.0	49.5	1415.5	770.1	51.5	1455.5	939.7	51.5	1495.5	939.0	51.5
1376.0	181.3	49.5	1416.0	770.1	51.5	1456.0	939.7	51.5	1496.0	938.3	51.5
1376.5	182.0	49.5	1416.5	768.7	51.5	1456.5	939.7	51.5	1496.5	939.0	51.4
1377.0	182.0	49.5	1417.0	768.7	51.5	1457.0	939.7	51.5	1497.0	938.3	51.3
1377.5	182.0	49.5	1417.5	768.7	51.5	1457.5	939.7	51.5	1497.5	938.3	51.3
1378.0	182.0	49.5	1418.0	770.1	51.5	1458.0	939.7	51.5	1498.0	939.7	51.2
1378.5	182.0	49.5	1418.5	770.1	51.5	1458.5	939.0	51.5	1498.5	938.3	51.1
1379.0	182.0	49.5	1419.0	768.0	51.5	1459.0	939.7	51.5	1499.0	939.0	51.1
1379.5	182.0	49.5	1419.5	770.1	51.5	1459.5	939.7	51.5	1499.5	939.7	51.0
1380.0	182.0	49.5	1420.0	768.7	51.5	1460.0	939.0	51.5	1500.0	939.0	51.0
1380.5	182.0	49.5	1420.5	768.7	51.5	1460.5	939.7	51.5	1500.5	939.7	51.0
1381.0	181.3	49.5	1421.0	768.7	51.5	1461.0	939.7	51.5	1501.0	938.3	51.0
1381.5	182.0	49.5	1421.5	768.0	51.5	1461.5	939.7	51.5	1501.5	939.0	51.0
1382.0	181.3	49.5	1422.0	768.7	51.5	1462.0	939.7	51.5	1502.0	939.0	51.0
1382.5	181.3	49.5	1422.5	770.1	51.5	1462.5	939.7	51.5	1502.5	940.4	51.0
1383.0	182.0	49.5	1423.0	768.7	51.5	1463.0	939.0	51.5	1503.0	939.0	51.0
1383.5	181.3	49.5	1423.5	768.0	51.5	1463.5	939.0	51.5	1503.5	939.0	51.0
1384.0	181.3	49.5	1424.0	770.1	51.5	1464.0	939.7	51.5	1504.0	939.0	51.0
1384.5	182.0	49.5	1424.5	768.7	51.5	1464.5	939.0	51.5	1504.5	939.0	51.0
1385.0	181.3	49.5	1425.0	768.7	51.5	1465.0	939.0	51.5	1505.0	939.7	51.0
1385.5	182.0	49.5	1425.5	768.7	51.5	1465.5	939.7	51.5	1505.5	939.7	51.0
1386.0	182.0	49.5	1426.0	768.0	51.5	1466.0	938.3	51.5	1506.0	939.0	51.0
1386.5	181.3	49.5	1426.5	768.0	51.5	1466.5	939.7	51.5	1506.5	950.0	51.0
1387.0	182.0	49.5	1427.0	768.0	51.5	1467.0	939.0	51.5	1507.0	928.7	51.0
1387.5	182.0	49.5	1427.5	768.0	51.5	1467.5	939.0	51.5	1507.5	1594.7	51.0
1388.0	181.3	49.5	1428.0	768.7	51.5	1468.0	939.0	51.5	1508.0	1027.3	51.0
1388.5	182.0	49.5	1428.5	768.0	51.5	1468.5	939.7	51.5	1508.5	708.0	51.0
1389.0	186.1	49.5	1429.0	761.8	51.5	1469.0	939.0	51.5	1509.0	541.9	51.0
1389.5	181.3	49.5	1429.5	766.6	51.5	1469.5	939.0	51.5	1509.5	557.7	51.0
1390.0	182.0	49.5	1430.0	640.5	51.5	1470.0	939.7	51.5	1510.0	583.9	51.0
1390.5	181.3	49.5	1430.5	854.2	51.5	1470.5	939.0	51.5	1510.5	606.0	51.0
1391.0	182.0	49.5	1431.0	866.6	51.5	1471.0	939.0	51.5	1511.0	606.7	51.0
1391.5	182.0	49.5	1431.5	874.9	51.5	1471.5	939.0	51.5	1511.5	619.1	51.0
1392.0	181.3	49.5	1432.0	890.7	51.5	1472.0	938.3	51.5	1512.0	626.0	51.0
1392.5	182.0	49.6	1432.5	890.1	51.5	1472.5	939.0	51.5	1512.5	633.6	51.0
1393.0	181.3	49.8	1433.0	900.4	51.5	1473.0	939.0	51.5	1513.0	647.4	51.0
1393.5	181.3	50.0	1433.5	926.6	51.5	1473.5	938.3	51.5	1513.5	647.4	51.0
1394.0	181.3	50.2	1434.0	928.0	51.5	1474.0	939.0	51.5	1514.0	632.9	51.0
1394.5	228.2	50.4	1434.5	925.2	51.5	1474.5	939.0	51.5	1514.5	634.3	51.0
1395.0	446.7	50.6	1435.0	926.6	51.5	1475.0	939.7	51.5	1515.0	643.9	51.0
1395.5	689.4	50.8	1435.5	945.2	51.5	1475.5	939.0	51.5	1515.5	650.1	51.0

TEST REFERENCE#: 300926AR			FILE STARTS: 23:53:00 on February 4, 1990		
LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)					
ET	P	T	ET	P	T
1516.0	658.4	51.0	1556.0	830.8	51.0
1516.5	663.9	51.0	1556.5	828.0	51.0
1517.0	663.9	51.0	1557.0	801.8	51.0
1517.5	671.5	51.0	1557.5	777.0	51.0
1518.0	671.5	51.0	1558.0	785.3	51.0
1518.5	673.6	51.0	1558.5	794.9	51.0
1519.0	683.9	51.0	1559.0	806.6	51.0
1519.5	689.4	51.0	1559.5	818.4	51.0
1520.0	697.7	51.0	1560.0	829.4	51.0
1520.5	706.7	51.0	1560.5	838.3	51.0
1521.0	709.4	51.0	1561.0	841.8	51.0
1521.5	667.4	51.0	1561.5	849.4	51.0
1522.0	606.0	51.0	1562.0	862.5	51.0
1522.5	618.4	51.0	1562.5	862.5	51.0
1523.0	626.7	51.0	1563.0	868.7	51.0
1523.5	633.6	51.0	1563.5	872.1	51.0
1524.0	648.1	51.0	1564.0	879.7	51.0
1524.5	654.9	51.0	1564.5	880.4	51.0
1525.0	666.0	51.0	1565.0	857.7	51.0
1525.5	672.9	51.0	1565.5	845.2	51.0
1526.0	666.0	51.0	1566.0	836.3	51.0
1526.5	674.3	51.0	1566.5	848.7	51.0
1527.0	674.3	51.0	1567.0	863.9	51.0
1527.5	644.6	51.0	1567.5	876.3	51.0
1528.0	648.1	51.0	1568.0	892.1	51.0
1528.5	659.1	51.0	1568.5	900.4	51.0
1529.0	659.8	51.0	1569.0	910.7	51.0
1529.5	666.7	51.0	1569.5	919.0	51.0
1530.0	677.0	51.0	1570.0	928.7	51.0
1530.5	683.9	51.0	1570.5	928.7	51.0
1531.0	698.4	51.0	1571.0	934.2	51.0
1531.5	701.8	51.0	1571.5	943.8	51.0
1532.0	708.0	51.0	1572.0	952.1	51.0
1532.5	713.6	51.0	1572.5	952.1	51.0
1533.0	718.4	51.0	1573.0	952.8	51.0
1533.5	734.9	51.0	1573.5	963.8	51.0
1534.0	745.3	51.0	1574.0	968.0	51.0
1534.5	756.3	51.0	1574.5	977.6	51.0
1535.0	743.2	51.0	1575.0	981.1	51.0
1535.5	759.7	51.0	1575.5	978.3	51.0
1536.0	777.0	51.0	1576.0	984.5	51.0
1536.5	787.3	51.0	1576.5	985.9	51.0
1537.0	785.3	51.0	1577.0	986.6	51.0
1537.5	748.0	51.0	1577.5	989.3	51.0
1538.0	740.4	51.0	1578.0	935.6	51.0
1538.5	741.8	51.0	1578.5	925.2	51.0
1539.0	721.1	51.0	1579.0	940.4	51.0
1539.5	731.5	51.0	1579.5	952.1	51.0
1540.0	742.5	51.0	1580.0	964.5	51.0
1540.5	750.1	51.0	1580.5	973.5	51.0
1541.0	762.5	51.0	1581.0	982.4	51.0
1541.5	771.5	51.0	1581.5	989.3	51.0
1542.0	764.6	51.0	1582.0	1000.4	51.0
1542.5	692.9	51.0	1582.5	1005.2	51.0
1543.0	695.6	51.0	1583.0	1012.1	51.0
1543.5	710.1	51.0	1583.5	1025.2	51.0
1544.0	728.7	51.0	1584.0	979.0	51.0
1544.5	740.4	51.0	1584.5	993.5	51.0
1545.0	752.2	51.0	1585.0	993.5	51.0
1545.5	768.0	51.0	1585.5	1001.7	51.0
1546.0	771.5	51.0	1586.0	1012.8	51.0
1546.5	781.1	51.0	1586.5	1012.8	51.0
1547.0	785.3	51.0	1587.0	1008.6	51.0
1547.5	794.9	51.0	1587.5	1016.9	51.0
1548.0	803.9	51.0	1588.0	1026.6	51.0
1548.5	806.6	51.0	1588.5	1028.6	51.0
1549.0	809.4	51.0	1589.0	1036.2	51.0
1549.5	792.8	51.0	1589.5	1043.1	51.0
1550.0	797.0	51.0	1590.0	1050.7	51.0
1550.5	802.5	51.0	1590.5	1027.3	51.0
1551.0	814.2	51.0	1591.0	989.3	51.0
1551.5	823.2	51.0	1591.5	1001.1	51.0
1552.0	831.5	51.0	1592.0	1008.6	51.0
1552.5	842.5	51.0	1592.5	1027.3	51.0
1553.0	846.6	51.0	1593.0	1030.7	51.0
1553.5	854.9	51.0	1593.5	1035.5	51.0
1554.0	863.2	51.0	1594.0	1039.7	51.0
1554.5	865.2	51.0	1594.5	1049.3	51.0
1555.0	820.4	51.0	1595.0	1052.8	51.0
1555.5	830.8	51.0	1595.5	1061.0	51.0
1596.0	1043.1	51.0	1596.0	1043.1	51.0
1596.5	1050.7	51.0	1596.5	1050.7	51.0
1597.0	1051.4	51.0	1597.0	1051.4	51.0
1597.5	1061.7	51.0	1597.5	1061.7	51.0
1598.0	1064.5	51.0	1598.0	1064.5	51.0
1598.5	1073.5	51.0	1598.5	1073.5	51.0
1599.0	1081.7	51.0	1599.0	1081.7	51.0
1599.5	1088.6	51.0	1599.5	1088.6	51.0
1600.0	1092.8	51.0	1600.0	1092.8	51.0
1600.5	1090.7	51.0	1600.5	1090.7	51.0
1601.0	1037.6	51.0	1601.0	1037.6	51.0
1601.5	1049.3	51.0	1601.5	1049.3	51.0
1602.0	1054.8	51.0	1602.0	1054.8	51.0
1602.5	1064.5	51.0	1602.5	1064.5	51.0
1603.0	1071.4	51.0	1603.0	1071.4	51.0
1603.5	1085.2	51.0	1603.5	1085.2	51.0
1604.0	1081.7	51.0	1604.0	1081.7	51.0
1604.5	1085.2	51.0	1604.5	1085.2	51.0
1605.0	1090.0	51.0	1605.0	1090.0	51.0
1605.5	1102.4	51.0	1605.5	1102.4	51.0
1606.0	1109.3	51.0	1606.0	1109.3	51.0
1606.5	1112.8	51.0	1606.5	1112.8	51.0
1607.0	1124.5	51.0	1607.0	1124.5	51.0
1607.5	1126.5	51.0	1607.5	1126.5	51.0
1608.0	1137.6	51.0	1608.0	1137.6	51.0
1608.5	1144.5	51.0	1608.5	1144.5	51.0
1609.0	1147.9	51.1	1609.0	1147.9	51.1
1609.5	1155.5	51.1	1609.5	1155.5	51.1
1610.0	1161.0	51.2	1610.0	1161.0	51.2
1610.5	1163.1	51.3	1610.5	1163.1	51.3
1611.0	1125.2	51.3	1611.0	1125.2	51.3
1611.5	1119.0	51.4	1611.5	1119.0	51.4
1612.0	1119.6	51.5	1612.0	1119.6	51.5
1612.5	1135.5	51.5	1612.5	1135.5	51.5
1613.0	1147.2	51.5	1613.0	1147.2	51.5
1613.5	1158.9	51.5	1613.5	1158.9	51.5
1614.0	1170.0	51.5	1614.0	1170.0	51.5
1614.5	1175.5	51.5	1614.5	1175.5	51.5
1615.0	1188.6	51.5	1615.0	1188.6	51.5
1615.5	1198.2	51.5	1615.5	1198.2	51.5
1616.0	1205.8	51.5	1616.0	1205.8	51.5
1616.5	1174.1	51.5	1616.5	1174.1	51.5
1617.0	1156.2	51.5	1617.0	1156.2	51.5
1617.5	1149.3	51.5	1617.5	1149.3	51.5
1618.0	1158.3	51.5	1618.0	1158.3	51.5
1618.5	1167.9	51.5	1618.5	1167.9	51.5
1619.0	1161.7	51.5	1619.0	1161.7	51.5
1619.5	1170.0	51.5	1619.5	1170.0	51.5
1620.0	1175.5	51.5	1620.0	1175.5	51.5
1620.5	1188.6	51.5	1620.5	1188.6	51.5
1621.0	1198.9	51.5	1621.0	1198.9	51.5
1621.5	1218.2	51.5	1621.5	1218.2	51.5
1622.0	1225.1	51.5	1622.0	1225.1	51.5
1622.5	1239.6	51.5	1622.5	1239.6	51.5
1623.0	1247.2	51.5	1623.0	1247.2	51.5
1623.5	1256.9	51.5	1623.5	1256.9	51.5
1624.0	1256.9	51.5	1624.0	1256.9	51.5
1624.5	1261.0	51.5	1624.5	1261.0	51.5
1625.0	1270.0	51.5	1625.0	1270.0	51.5
1625.5	1274.1	51.5	1625.5	1274.1	51.5
1626.0	1273.4	51.5	1626.0	1273.4	51.5
1626.5	1283.7	51.5	1626.5	1283.7	51.5
1627.0	1236.2	51.5	1627.0	1236.2	51.5
1627.5	1245.1	51.5	1627.5	1245.1	51.5
1628.0	1254.1	51.5	1628.0	1254.1	51.5
1628.5	1270.0	51.5	1628.5	1270.0	51.5
1629.0	1280.3	51.5	1629.0	1280.3	51.5
1629.5	1294.1	51.5	1629.5	1294.1	51.5
1630.0	1300.3	51.5	1630.0	1300.3	51.5
1630.5	1305.1	51.5	1630.5	1305.1	51.5
1631.0	1308.6	51.5	1631.0	1308.6	51.5
1631.5	1313.4	51.5	1631.5	1313.4	51.5
1632.0	1321.0	51.5	1632.0	1321.0	51.5
1632.5	1322.4	51.5	1632.5	1322.4	51.5
1633.0	1332.7	51.5	1633.0	1332.7	51.5
1633.5	1333.4	51.5	1633.5	1333.4	51.5
1634.0	1341.7	51.5	1634.0	1341.7	51.5
1634.5	1346.5	51.5	1634.5	1346.5	51.5
1635.0	1354.1	51.5	1635.0	1354.1	51.5
1635.5	1361.7	51.5	1635.5	1361.7	51.5
1636.0	1369.2	51.5	1636.0	1369.2	51.5
1636.5	1373.4	51.5	1636.5	1373.4	51.5
1637.0	1380.3	51.5	1637.0	1380.3	51.5
1637.5	1372.7	51.5	1637.5	1372.7	51.5
1638.0	1343.7	51.5	1638.0	1343.7	51.5
1638.5	1356.1	51.5	1638.5	1356.1	51.5
1639.0	1356.8	51.5	1639.0	1356.8	51.5
1639.5	1356.1	51.5	1639.5	1356.1	51.5
1640.0	1356.8	51.5	1640.0	1356.8	51.5
1640.5	1356.1	51.5	1640.5	1356.1	51.5
1641.0	1356.8	51.5	1641.0		

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1676.0	588.1	51.5	1716.0	567.4	51.5	1756.0	566.0	51.5	1796.0	566.7	51.5
1676.5	588.8	51.5	1716.5	566.7	51.5	1756.5	567.4	51.5	1796.5	566.7	51.5
1677.0	589.4	51.5	1717.0	567.4	51.5	1757.0	566.0	51.5	1797.0	565.3	51.5
1677.5	589.4	51.5	1717.5	566.7	51.5	1757.5	566.7	51.5	1797.5	566.0	51.5
1678.0	588.1	51.5	1718.0	567.4	51.5	1758.0	566.7	51.5	1798.0	566.0	51.5
1678.5	590.1	51.5	1718.5	566.0	51.5	1758.5	566.7	51.5	1798.5	566.0	51.5
1679.0	588.1	51.5	1719.0	566.7	51.5	1759.0	567.4	51.5	1799.0	567.4	51.5
1679.5	588.8	51.5	1719.5	566.0	51.5	1759.5	566.7	51.5	1799.5	566.0	51.5
1680.0	587.4	51.5	1720.0	566.7	51.5	1760.0	566.0	51.5	1800.0	565.3	51.5
1680.5	587.4	51.5	1720.5	566.0	51.5	1760.5	567.4	51.5	1800.5	566.0	51.5
1681.0	588.8	51.5	1721.0	567.4	51.5	1761.0	566.7	51.5	1801.0	566.0	51.5
1681.5	588.8	51.5	1721.5	567.4	51.5	1761.5	567.4	51.5	1801.5	566.7	51.5
1682.0	588.8	51.5	1722.0	567.4	51.5	1762.0	566.7	51.5	1802.0	566.0	51.5
1682.5	589.4	51.5	1722.5	566.7	51.5	1762.5	566.0	51.5	1802.5	568.1	51.5
1683.0	588.1	51.5	1723.0	566.7	51.5	1763.0	566.7	51.5	1803.0	566.7	51.5
1683.5	589.4	51.5	1723.5	566.7	51.5	1763.5	566.0	51.5	1803.5	566.0	51.5
1684.0	589.4	51.5	1724.0	566.7	51.5	1764.0	566.0	51.5	1804.0	566.0	51.5
1684.5	588.8	51.5	1724.5	566.7	51.5	1764.5	566.7	51.5	1804.5	566.7	51.5
1685.0	588.8	51.5	1725.0	566.7	51.5	1765.0	566.7	51.5	1805.0	566.0	51.5
1685.5	588.8	51.5	1725.5	567.4	51.5	1765.5	566.7	51.5	1805.5	566.0	51.5
1686.0	588.1	51.5	1726.0	566.0	51.5	1766.0	566.0	51.5	1806.0	565.3	51.5
1686.5	589.4	51.5	1726.5	566.7	51.5	1766.5	567.4	51.5	1806.5	566.7	51.5
1687.0	588.8	51.5	1727.0	567.4	51.5	1767.0	566.7	51.5	1807.0	566.7	51.5
1687.5	589.4	51.5	1727.5	566.7	51.5	1767.5	566.7	51.5	1807.5	566.7	51.5
1688.0	588.8	51.5	1728.0	566.0	51.5	1768.0	567.4	51.5	1808.0	566.7	51.5
1688.5	588.1	51.5	1728.5	566.0	51.5	1768.5	566.7	51.5	1808.5	566.7	51.5
1689.0	588.8	51.5	1729.0	567.4	51.5	1769.0	566.7	51.5	1809.0	566.7	51.5
1689.5	588.8	51.5	1729.5	566.7	51.5	1769.5	567.4	51.5	1809.5	566.0	51.5
1690.0	589.4	51.5	1730.0	566.7	51.5	1770.0	566.7	51.5	1810.0	566.0	51.5
1690.5	572.9	51.5	1730.5	568.1	51.5	1770.5	566.7	51.5	1810.5	566.0	51.5
1691.0	569.5	51.5	1731.0	566.7	51.5	1771.0	566.7	51.5	1811.0	567.4	51.5
1691.5	568.1	51.5	1731.5	566.7	51.5	1771.5	566.0	51.5	1811.5	566.0	51.5
1692.0	568.8	51.5	1732.0	566.0	51.5	1772.0	566.7	51.5	1812.0	566.0	51.5
1692.5	568.8	51.5	1732.5	566.0	51.5	1772.5	566.0	51.5	1812.5	566.7	51.5
1693.0	568.1	51.5	1733.0	566.7	51.5	1773.0	566.0	51.5	1813.0	566.0	51.5
1693.5	568.1	51.5	1733.5	566.7	51.5	1773.5	566.7	51.5	1813.5	566.0	51.5
1694.0	568.8	51.5	1734.0	567.4	51.5	1774.0	566.7	51.5	1814.0	566.7	51.5
1694.5	568.8	51.5	1734.5	567.4	51.5	1774.5	566.0	51.5	1814.5	566.7	51.5
1695.0	569.5	51.5	1735.0	567.4	51.5	1775.0	566.7	51.5	1815.0	567.4	51.5
1695.5	568.1	51.5	1735.5	566.7	51.5	1775.5	566.0	51.5	1815.5	565.3	51.5
1696.0	568.8	51.5	1736.0	566.7	51.5	1776.0	566.7	51.5	1816.0	565.3	51.5
1696.5	568.1	51.5	1736.5	566.7	51.5	1776.5	566.7	51.5	1816.5	566.7	51.5
1697.0	568.1	51.5	1737.0	566.0	51.5	1777.0	566.7	51.5	1817.0	566.7	51.5
1697.5	566.7	51.5	1737.5	566.7	51.5	1777.5	566.7	51.5	1817.5	565.3	51.5
1698.0	568.1	51.5	1738.0	567.4	51.5	1778.0	566.7	51.5	1818.0	566.7	51.5
1698.5	566.7	51.5	1738.5	567.4	51.5	1778.5	565.3	51.5	1818.5	567.4	51.5
1699.0	566.7	51.5	1739.0	566.7	51.5	1779.0	566.7	51.5	1819.0	566.7	51.5
1699.5	567.4	51.5	1739.5	566.7	51.5	1779.5	567.4	51.5	1819.5	566.7	51.5
1700.0	566.7	51.5	1740.0	566.7	51.5	1780.0	566.7	51.5	1820.0	566.7	51.5
1700.5	567.4	51.5	1740.5	566.7	51.5	1780.5	566.7	51.5	1820.5	566.0	51.5
1701.0	567.4	51.5	1741.0	566.7	51.5	1781.0	566.7	51.5	1821.0	566.7	51.5
1701.5	567.4	51.5	1741.5	566.7	51.5	1781.5	565.3	51.5	1821.5	566.0	51.5
1702.0	567.4	51.5	1742.0	566.7	51.5	1782.0	566.7	51.5	1822.0	566.7	51.5
1702.5	566.7	51.5	1742.5	566.7	51.5	1782.5	567.4	51.5	1822.5	566.0	51.5
1703.0	567.4	51.5	1743.0	566.0	51.5	1783.0	566.0	51.5	1823.0	566.0	51.5
1703.5	566.7	51.5	1743.5	566.7	51.5	1783.5	566.7	51.5	1823.5	566.7	51.5
1704.0	566.7	51.5	1744.0	566.7	51.5	1784.0	566.7	51.5	1824.0	567.4	51.5
1704.5	566.7	51.5	1744.5	566.0	51.5	1784.5	566.7	51.5	1824.5	567.4	51.5
1705.0	566.7	51.5	1745.0	565.3	51.5	1785.0	566.7	51.5	1825.0	566.0	51.5
1705.5	566.7	51.5	1745.5	566.7	51.5	1785.5	567.4	51.5	1825.5	566.7	51.5
1706.0	568.1	51.5	1746.0	566.7	51.5	1786.0	567.4	51.5	1826.0	566.0	51.5
1706.5	566.7	51.5	1746.5	566.7	51.5	1786.5	566.0	51.5	1826.5	566.7	51.5
1707.0	567.4	51.5	1747.0	566.0	51.5	1787.0	565.3	51.5	1827.0	566.0	51.5
1707.5	566.7	51.5	1747.5	566.0	51.5	1787.5	566.7	51.5	1827.5	566.0	51.5
1708.0	566.7	51.5	1748.0	566.7	51.5	1788.0	566.0	51.5	1828.0	566.7	51.5
1708.5	566.7	51.5	1748.5	567.4	51.5	1788.5	566.7	51.5	1828.5	566.0	51.5
1709.0	567.4	51.5	1749.0	566.7	51.5	1789.0	567.4	51.5	1829.0	566.0	51.5
1709.5	566.7	51.5	1749.5	567.4	51.5	1789.5	566.7	51.5	1829.5	566.0	51.5
1710.0	566.7	51.5	1750.0	567.4	51.5	1790.0	566.0	51.5	1830.0	565.3	51.5
1710.5	566.7	51.5	1750.5	567.4	51.5	1790.5	566.0	51.5	1830.5	566.0	51.5
1711.0	566.7	51.5	1751.0	566.0	51.5	1791.0	566.0	51.5	1831.0	566.7	51.5
1711.5	566.7	51.5	1751.5	566.0	51.5	1791.5	566.0	51.5	1831.5	566.0	51.5
1712.0	566.7	51.5	1752.0	566.7	51.5	1792.0	566.7	51.5	1832.0	566.7	51.5
1712.5	567.4	51.5	1752.5	566.7	51.5	1792.5	565.3	51.5	1832.5	565.3	51.5
1713.0	566.7	51.5	1753.0	566.7	51.5	1793.0	566.7	51.5	1833.0	566.0	51.5
1713.5	566.0	51.5	1753.5	566.7	51.5	1793.5	567.4	51.5	1833.5	566.7	51.5
1714.0	566.7	51.5	1754.0	566.7	51.5	1794.0	566.0	51.5	1834.0	566.7	51.5
1714.5	566.7	51.5	1754.5	566.7	51.5	1794.5	566.0	51.5	1834.5	566.7	51.5
1715.0	567.4	51.5	1755.0	566.7	51.5	1795.0	565.3	51.5	1835.0	566.0	51.5
1715.5	566.0	51.5	1755.5	567.4	51.5	1795.5	566.7	51.5	1835.5	566.0	51.5

FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elaped time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1836.0	566.7	51.5	1876.0	566.7	51.5	1916.0	486.7	51.0	1956.0	157.1	51.5
1836.5	566.7	51.5	1876.5	566.0	51.5	1916.5	477.1	51.0	1956.5	165.4	51.5
1837.0	566.0	51.5	1877.0	566.7	51.5	1917.0	466.7	51.0	1957.0	169.6	51.5
1837.5	566.7	51.5	1877.5	566.0	51.5	1917.5	461.9	51.0	1957.5	167.5	51.5
1838.0	566.7	51.5	1878.0	566.7	51.5	1918.0	455.0	51.0	1958.0	150.3	51.5
1838.5	566.0	51.5	1878.5	566.7	51.5	1918.5	448.8	51.0	1958.5	157.1	51.5
1839.0	566.0	51.5	1879.0	566.7	51.5	1919.0	442.6	51.0	1959.0	170.2	51.5
1839.5	566.7	51.5	1879.5	565.3	51.5	1919.5	438.5	51.0	1959.5	170.9	51.5
1840.0	566.0	51.5	1880.0	566.0	51.5	1920.0	427.4	51.0	1960.0	132.3	51.5
1840.5	566.0	51.5	1880.5	565.3	51.5	1920.5	414.3	51.0	1960.5	126.1	51.5
1841.0	566.7	51.5	1881.0	566.7	51.5	1921.0	401.2	51.1	1961.0	126.1	51.5
1841.5	566.7	51.5	1881.5	566.7	51.5	1921.5	326.1	51.1	1961.5	130.3	51.5
1842.0	566.7	51.5	1882.0	566.7	51.5	1922.0	285.4	51.2	1962.0	130.3	51.5
1842.5	566.0	51.5	1882.5	566.0	51.5	1922.5	290.2	51.3	1962.5	126.1	51.5
1843.0	566.7	51.5	1883.0	565.3	51.5	1923.0	304.7	51.3	1963.0	130.3	51.5
1843.5	566.7	51.5	1883.5	566.7	51.5	1923.5	324.0	51.4	1963.5	130.3	51.5
1844.0	567.4	51.5	1884.0	566.7	51.5	1924.0	340.5	51.5	1964.0	130.3	51.5
1844.5	566.7	51.5	1884.5	566.0	51.5	1924.5	354.3	51.5	1964.5	131.6	51.4
1845.0	566.0	51.5	1885.0	566.0	51.5	1925.0	374.3	51.5	1965.0	129.6	51.3
1845.5	566.7	51.5	1885.5	566.0	51.5	1925.5	388.1	51.5	1965.5	130.3	51.3
1846.0	566.7	51.5	1886.0	566.7	51.5	1926.0	404.7	51.5	1966.0	133.7	51.2
1846.5	566.7	51.5	1886.5	566.0	51.5	1926.5	419.8	51.5	1966.5	119.9	51.1
1847.0	566.7	51.5	1887.0	566.7	51.5	1927.0	437.8	51.5	1967.0	113.7	51.1
1847.5	566.7	51.5	1887.5	566.0	51.5	1927.5	450.9	51.5	1967.5	113.7	51.0
1848.0	567.4	51.5	1888.0	566.0	51.5	1928.0	465.3	51.5	1968.0	113.7	51.0
1848.5	567.4	51.5	1888.5	566.0	51.5	1928.5	477.8	51.5	1968.5	113.0	51.0
1849.0	566.0	51.5	1889.0	567.4	51.5	1929.0	490.9	51.5	1969.0	114.4	51.0
1849.5	566.0	51.5	1889.5	566.0	51.5	1929.5	502.6	51.5	1969.5	114.4	51.0
1850.0	567.4	51.5	1890.0	566.0	51.5	1930.0	514.3	51.5	1970.0	113.7	51.0
1850.5	566.0	51.5	1890.5	566.0	51.5	1930.5	526.0	51.5	1970.5	113.7	51.0
1851.0	566.7	51.5	1891.0	566.0	51.5	1931.0	538.4	51.5	1971.0	113.7	51.0
1851.5	566.0	51.5	1891.5	566.0	51.5	1931.5	545.3	51.5	1971.5	114.4	51.0
1852.0	566.7	51.5	1892.0	566.7	51.5	1932.0	545.3	51.5	1972.0	114.4	51.0
1852.5	566.7	51.5	1892.5	566.0	51.5	1932.5	541.2	51.5	1972.5	114.4	51.0
1853.0	566.7	51.5	1893.0	566.7	51.5	1933.0	511.5	51.5	1973.0	115.1	51.0
1853.5	566.0	51.5	1893.5	566.7	51.5	1933.5	326.8	51.5	1973.5	113.7	51.0
1854.0	567.4	51.5	1894.0	566.0	51.5	1934.0	276.4	51.5	1974.0	114.4	51.0
1854.5	566.7	51.5	1894.5	566.7	51.5	1934.5	233.0	51.5	1974.5	114.4	51.0
1855.0	566.0	51.5	1895.0	566.0	51.5	1935.0	226.8	51.5	1975.0	114.4	51.0
1855.5	566.0	51.5	1895.5	566.0	51.5	1935.5	217.8	51.5	1975.5	114.4	51.0
1856.0	566.0	51.5	1896.0	565.3	51.5	1936.0	235.1	51.5	1976.0	113.7	51.0
1856.5	566.0	51.5	1896.5	566.7	51.5	1936.5	245.4	51.5	1976.5	115.1	51.0
1857.0	566.0	51.5	1897.0	566.7	51.5	1937.0	250.9	51.5	1977.0	116.5	51.0
1857.5	567.4	51.5	1897.5	566.7	51.5	1937.5	244.0	51.5	1977.5	115.1	51.0
1858.0	566.7	51.5	1898.0	566.7	51.5	1938.0	205.4	51.5	1978.0	115.1	51.0
1858.5	566.0	51.5	1898.5	566.7	51.5	1938.5	212.3	51.5	1978.5	114.4	51.0
1859.0	566.0	51.5	1899.0	566.0	51.5	1939.0	222.0	51.5	1979.0	115.1	51.0
1859.5	566.0	51.5	1899.5	565.3	51.5	1939.5	230.2	51.5	1979.5	113.7	51.0
1860.0	566.7	51.5	1900.0	566.7	51.5	1940.0	241.3	51.5	1980.0	114.4	51.0
1860.5	566.7	51.5	1900.5	566.0	51.4	1940.5	248.2	51.5	1980.5	115.1	51.0
1861.0	567.4	51.5	1901.0	566.7	51.3	1941.0	261.9	51.5	1981.0	115.1	51.0
1861.5	566.7	51.5	1901.5	566.7	51.3	1941.5	275.7	51.5	1981.5	114.4	51.0
1862.0	566.7	51.5	1902.0	566.0	51.2	1942.0	289.5	51.5	1982.0	114.4	51.0
1862.5	566.0	51.5	1902.5	567.4	51.1	1942.5	299.2	51.5	1982.5	114.4	51.0
1863.0	566.0	51.5	1903.0	572.2	51.1	1943.0	308.1	51.5	1983.0	114.4	51.0
1863.5	566.0	51.5	1903.5	556.4	51.0	1943.5	320.6	51.5	1983.5	116.5	51.0
1864.0	566.0	51.5	1904.0	1337.5	51.0	1944.0	328.8	51.5	1984.0	115.1	51.0
1864.5	566.7	51.5	1904.5	830.8	50.9	1944.5	341.9	51.5	1984.5	114.4	51.0
1865.0	566.0	51.5	1905.0	548.1	50.8	1945.0	350.9	51.5	1985.0	115.1	51.1
1865.5	565.3	51.5	1905.5	511.5	50.8	1945.5	351.6	51.5	1985.5	115.1	51.1
1866.0	566.7	51.5	1906.0	497.1	50.7	1946.0	351.6	51.5	1986.0	115.1	51.2
1866.5	566.7	51.5	1906.5	490.9	50.6	1946.5	355.0	51.5	1986.5	114.4	51.3
1867.0	566.0	51.5	1907.0	485.3	50.6	1947.0	363.3	51.5	1987.0	115.1	51.3
1867.5	567.4	51.5	1907.5	484.6	50.5	1947.5	368.8	51.5	1987.5	114.4	51.4
1868.0	567.4	51.5	1908.0	484.6	50.5	1948.0	375.7	51.5	1988.0	116.5	51.5
1868.5	566.0	51.5	1908.5	486.7	50.5	1948.5	379.2	51.5	1988.5	114.4	51.5
1869.0	566.0	51.5	1909.0	488.1	50.6	1949.0	377.8	51.5	1989.0	115.1	51.5
1869.5	566.0	51.5	1909.5	494.3	50.6	1949.5	339.9	51.5	1989.5	115.8	51.5
1870.0	566.7	51.5	1910.0	499.8	50.7	1950.0	204.0	51.5	1990.0	114.4	51.5
1870.5	566.7	51.5	1910.5	501.2	50.8	1950.5	180.6	51.5	1990.5	114.4	51.5
1871.0	566.7	51.5	1911.0	501.2	50.8	1951.0	182.0	51.5	1991.0	115.1	51.5
1871.5	566.0	51.5	1911.5	512.2	50.9	1951.5	192.3	51.5	1991.5	115.1	51.5
1872.0	565.3	51.5	1912.0	521.9	51.0	1952.0	193.7	51.5	1992.0	114.4	51.5
1872.5	566.7	51.5	1912.5	527.4	51.0	1952.5	175.1	51.5	1992.5	114.4	51.5
1873.0	566.7	51.5	1913.0	524.6	51.0	1953.0	183.3	51.5	1993.0	115.8	51.5
1873.5	567.4	51.5	1913.5	524.6	51.0	1953.5	193.7	51.5	1993.5	115.8	51.5
1874.0	566.0	51.5	1914.0	522.6	51.0	1954.0	199.9	51.5	1994.0	115.8	51.5
1874.5	566.0	51.5	1914.5	519.8	51.0	1954.5	204.7	51.5	1994.5	115.8	51.5
1875.0	566.0	51.5	1915.0	508.1	51.0	1955.0	166.8	51.5	1995.0	115.1	51.5
1875.5	566.7	51.5	1915.5	495.7	51.0	1955.5	176.5	51.5	1995.5	115.8	51.5

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990
 LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1996.0	115.8	51.5	2036.0	116.5	51.5	2076.0	116.5	51.5	2116.0	115.8	51.5
1996.5	115.8	51.5	2036.5	115.8	51.5	2076.5	116.5	51.5	2116.5	115.1	51.5
1997.0	115.8	51.5	2037.0	116.5	51.5	2077.0	115.8	51.5	2117.0	115.8	51.5
1997.5	115.1	51.5	2037.5	115.8	51.5	2077.5	116.5	51.5	2117.5	117.2	51.5
1998.0	115.1	51.5	2038.0	115.8	51.5	2078.0	116.5	51.5	2118.0	116.5	51.5
1998.5	115.1	51.5	2038.5	115.8	51.5	2078.5	116.5	51.5	2118.5	115.8	51.5
1999.0	114.4	51.5	2039.0	115.8	51.5	2079.0	116.5	51.5	2119.0	115.8	51.5
1999.5	115.8	51.5	2039.5	116.5	51.5	2079.5	117.2	51.5	2119.5	115.1	51.5
2000.0	115.1	51.5	2040.0	115.8	51.5	2080.0	116.5	51.5	2120.0	116.5	51.5
2000.5	115.8	51.5	2040.5	115.8	51.5	2080.5	117.2	51.5	2120.5	115.8	51.5
2001.0	115.1	51.5	2041.0	116.5	51.5	2081.0	116.5	51.5	2121.0	116.5	51.5
2001.5	115.1	51.5	2041.5	115.8	51.5	2081.5	116.5	51.5	2121.5	116.5	51.5
2002.0	115.1	51.5	2042.0	117.2	51.5	2082.0	116.5	51.5	2122.0	116.5	51.5
2002.5	115.8	51.5	2042.5	116.5	51.5	2082.5	116.5	51.5	2122.5	115.8	51.5
2003.0	115.1	51.5	2043.0	115.8	51.5	2083.0	117.2	51.5	2123.0	115.8	51.5
2003.5	115.1	51.5	2043.5	116.5	51.5	2083.5	117.8	51.5	2123.5	115.8	51.5
2004.0	115.1	51.5	2044.0	116.5	51.5	2084.0	117.2	51.5	2124.0	116.5	51.5
2004.5	115.8	51.5	2044.5	116.5	51.5	2084.5	117.8	51.5	2124.5	115.8	51.5
2005.0	115.8	51.5	2045.0	115.8	51.5	2085.0	117.2	51.5	2125.0	116.5	51.5
2005.5	114.4	51.5	2045.5	115.8	51.5	2085.5	117.2	51.5	2125.5	116.5	51.5
2006.0	116.5	51.5	2046.0	115.8	51.5	2086.0	117.2	51.5	2126.0	115.8	51.5
2006.5	115.8	51.5	2046.5	116.5	51.5	2086.5	117.8	51.5	2126.5	116.5	51.5
2007.0	115.8	51.5	2047.0	117.2	51.5	2087.0	116.5	51.5	2127.0	116.5	51.5
2007.5	115.8	51.5	2047.5	116.5	51.5	2087.5	117.2	51.5	2127.5	116.5	51.5
2008.0	115.8	51.5	2048.0	116.5	51.5	2088.0	117.8	51.5	2128.0	115.8	51.5
2008.5	115.8	51.5	2048.5	115.8	51.5	2088.5	117.2	51.5	2128.5	116.5	51.5
2009.0	115.8	51.5	2049.0	117.2	51.5	2089.0	117.2	51.6	2129.0	116.5	51.5
2009.5	115.8	51.5	2049.5	115.8	51.5	2089.5	117.2	51.6	2129.5	117.2	51.5
2010.0	115.1	51.5	2050.0	117.2	51.5	2090.0	117.2	51.7	2130.0	115.8	51.5
2010.5	116.5	51.5	2050.5	115.8	51.5	2090.5	117.8	51.8	2130.5	115.8	51.5
2011.0	114.4	51.5	2051.0	117.2	51.5	2091.0	117.8	51.8	2131.0	115.8	51.5
2011.5	115.1	51.5	2051.5	116.5	51.5	2091.5	117.2	51.9	2131.5	115.8	51.5
2012.0	115.1	51.5	2052.0	115.8	51.5	2092.0	115.8	52.0	2132.0	115.8	51.5
2012.5	115.8	51.5	2052.5	117.2	51.5	2092.5	115.8	52.0	2132.5	115.8	51.5
2013.0	115.8	51.5	2053.0	116.5	51.5	2093.0	115.8	52.0	2133.0	116.5	51.5
2013.5	115.8	51.5	2053.5	115.8	51.5	2093.5	114.4	52.0	2133.5	115.8	51.5
2014.0	115.1	51.5	2054.0	116.5	51.5	2094.0	115.1	52.0	2134.0	115.1	51.5
2014.5	115.8	51.5	2054.5	116.5	51.5	2094.5	115.1	52.0	2134.5	115.8	51.5
2015.0	115.1	51.5	2055.0	116.5	51.5	2095.0	115.1	52.0	2135.0	116.5	51.5
2015.5	115.8	51.5	2055.5	116.5	51.5	2095.5	115.8	52.0	2135.5	117.2	51.5
2016.0	116.5	51.5	2056.0	116.5	51.5	2096.0	115.1	52.0	2136.0	115.8	51.5
2016.5	115.8	51.5	2056.5	116.5	51.5	2096.5	115.1	52.0	2136.5	115.1	51.5
2017.0	115.8	51.5	2057.0	117.2	51.5	2097.0	115.8	52.0	2137.0	116.5	51.5
2017.5	115.1	51.5	2057.5	117.2	51.5	2097.5	115.8	52.0	2137.5	115.1	51.5
2018.0	115.8	51.5	2058.0	116.5	51.5	2098.0	115.8	52.0	2138.0	116.5	51.5
2018.5	115.1	51.5	2058.5	116.5	51.5	2098.5	115.8	52.0	2138.5	115.8	51.5
2019.0	115.1	51.5	2059.0	117.2	51.5	2099.0	115.8	52.0	2139.0	116.5	51.5
2019.5	115.8	51.5	2059.5	117.2	51.5	2099.5	115.8	52.0	2139.5	115.8	51.5
2020.0	115.8	51.5	2060.0	116.5	51.5	2100.0	115.8	52.0	2140.0	116.5	51.5
2020.5	116.5	51.5	2060.5	116.5	51.5	2100.5	115.1	52.0	2140.5	116.5	51.5
2021.0	115.8	51.5	2061.0	117.2	51.5	2101.0	115.8	52.0	2141.0	116.5	51.5
2021.5	115.8	51.5	2061.5	116.5	51.5	2101.5	115.8	52.0	2141.5	115.8	51.5
2022.0	115.1	51.5	2062.0	116.5	51.5	2102.0	115.8	52.0	2142.0	116.5	51.5
2022.5	115.8	51.5	2062.5	117.2	51.5	2102.5	115.8	52.0	2142.5	115.8	51.5
2023.0	115.8	51.5	2063.0	115.8	51.5	2103.0	115.8	52.0	2143.0	115.8	51.5
2023.5	115.8	51.5	2063.5	116.5	51.5	2103.5	115.8	52.0	2143.5	116.5	51.5
2024.0	115.8	51.5	2064.0	116.5	51.5	2104.0	115.8	52.0	2144.0	116.5	51.5
2024.5	115.8	51.5	2064.5	117.2	51.5	2104.5	115.8	52.0	2144.5	116.5	51.5
2025.0	115.8	51.5	2065.0	117.2	51.5	2105.0	115.1	52.0	2145.0	116.5	51.5
2025.5	116.5	51.5	2065.5	117.2	51.5	2105.5	115.8	52.0	2145.5	116.5	51.5
2026.0	115.8	51.5	2066.0	117.2	51.5	2106.0	115.1	52.0	2146.0	115.8	51.5
2026.5	115.8	51.5	2066.5	117.2	51.5	2106.5	115.8	52.0	2146.5	116.5	51.5
2027.0	116.5	51.5	2067.0	116.5	51.5	2107.0	115.8	52.0	2147.0	115.8	51.5
2027.5	115.8	51.5	2067.5	116.5	51.5	2107.5	115.8	52.0	2147.5	116.5	51.5
2028.0	116.5	51.5	2068.0	116.5	51.5	2108.0	116.5	52.0	2148.0	115.8	51.5
2028.5	117.2	51.5	2068.5	117.2	51.5	2108.5	115.8	51.9	2148.5	116.5	51.5
2029.0	116.5	51.5	2069.0	117.2	51.5	2109.0	115.8	51.8	2149.0	115.8	51.5
2029.5	115.8	51.5	2069.5	117.8	51.5	2109.5	116.5	51.8	2149.5	116.5	51.5
2030.0	116.5	51.5	2070.0	116.5	51.5	2110.0	115.8	51.7	2150.0	116.5	51.5
2030.5	115.8	51.5	2070.5	116.5	51.5	2110.5	115.8	51.6	2150.5	116.5	51.5
2031.0	115.8	51.5	2071.0	117.2	51.5	2111.0	116.5	51.6	2151.0	117.2	51.5
2031.5	115.8	51.5	2071.5	116.5	51.5	2111.5	116.5	51.5	2151.5	115.8	51.5
2032.0	116.5	51.5	2072.0	117.8	51.5	2112.0	117.2	51.5	2152.0	116.5	51.5
2032.5	115.8	51.5	2072.5	117.2	51.5	2112.5	115.8	51.5	2152.5	116.5	51.5
2033.0	117.2	51.5	2073.0	116.5	51.5	2113.0	115.8	51.5	2153.0	116.5	51.5
2033.5	116.5	51.5	2073.5	117.2	51.5	2113.5	116.5	51.5	2153.5	115.8	51.5
2034.0	115.8	51.5	2074.0	117.2	51.5	2114.0	115.8	51.5	2154.0	116.5	51.5
2034.5	115.8	51.5	2074.5	117.2	51.5	2114.5	116.5	51.5	2154.5	116.5	51.5
2035.0	116.5	51.5	2075.0	116.5	51.5	2115.0	116.5	51.5	2155.0	116.5	51.5
2035.5	115.1	51.5	2075.5	117.2	51.5	2115.5	116.5	51.5	2155.5	115.8	51.5

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2156.0	116.5	51.5	2196.0	114.4	50.5	2236.0	115.8	46.5	2276.0	115.1	42.0
2156.5	116.5	51.5	2196.5	114.4	50.4	2236.5	115.8	46.4	2276.5	115.8	41.9
2157.0	116.5	51.5	2197.0	115.1	50.3	2237.0	116.5	46.3	2277.0	115.8	41.9
2157.5	117.2	51.5	2197.5	115.1	50.3	2237.5	115.1	46.3	2277.5	115.8	41.8
2158.0	115.8	51.5	2198.0	113.7	50.2	2238.0	115.8	46.2	2278.0	116.5	41.7
2158.5	117.2	51.5	2198.5	114.4	50.1	2238.5	115.1	46.2	2278.5	115.8	41.7
2159.0	116.5	51.5	2199.0	113.7	50.1	2239.0	115.1	46.1	2279.0	115.8	41.6
2159.5	116.5	51.5	2199.5	113.7	50.0	2239.5	115.8	46.0	2279.5	115.8	41.5
2160.0	116.5	51.5	2200.0	113.0	50.0	2240.0	115.8	46.0	2280.0	115.8	41.5
2160.5	116.5	51.5	2200.5	113.7	49.9	2240.5	115.1	46.0	2280.5	115.8	41.4
2161.0	116.5	51.5	2201.0	115.1	49.8	2241.0	115.1	46.0	2281.0	115.8	41.4
2161.5	116.5	51.5	2201.5	114.4	49.8	2241.5	115.1	46.0	2281.5	116.5	41.3
2162.0	116.5	51.5	2202.0	113.7	49.7	2242.0	115.1	46.0	2282.0	115.8	41.2
2162.5	117.2	51.5	2202.5	113.7	49.6	2242.5	113.7	46.0	2282.5	115.8	41.2
2163.0	116.5	51.5	2203.0	112.3	49.6	2243.0	114.4	46.0	2283.0	115.8	41.1
2163.5	116.5	51.5	2203.5	112.3	49.5	2243.5	114.4	46.0	2283.5	116.5	41.0
2164.0	116.5	51.5	2204.0	113.0	49.5	2244.0	113.7	46.0	2284.0	117.2	41.0
2164.5	116.5	51.5	2204.5	112.3	49.3	2244.5	114.4	45.9	2284.5	116.5	40.9
2165.0	117.2	51.5	2205.0	113.0	49.2	2245.0	114.4	45.8	2285.0	116.5	40.9
2165.5	116.5	51.5	2205.5	113.7	49.1	2245.5	115.1	45.8	2285.5	116.5	40.8
2166.0	116.5	51.5	2206.0	112.3	49.0	2246.0	115.8	45.7	2286.0	116.5	40.7
2166.5	116.5	51.5	2206.5	113.0	48.8	2246.5	115.8	45.7	2286.5	115.8	40.7
2167.0	116.5	51.5	2207.0	113.0	48.7	2247.0	115.8	45.6	2287.0	116.5	40.6
2167.5	116.5	51.5	2207.5	112.3	48.6	2247.5	115.8	45.5	2287.5	116.5	40.5
2168.0	115.8	51.5	2208.0	113.0	48.5	2248.0	116.5	45.5	2288.0	116.5	40.5
2168.5	117.2	51.5	2208.5	113.0	48.4	2248.5	115.8	45.4	2288.5	117.2	40.4
2169.0	116.5	51.5	2209.0	113.0	48.3	2249.0	115.8	45.3	2289.0	116.5	40.2
2169.5	115.8	51.5	2209.5	112.3	48.3	2249.5	115.1	45.3	2289.5	117.2	40.1
2170.0	117.2	51.5	2210.0	112.3	48.2	2250.0	114.4	45.2	2290.0	117.2	40.0
2170.5	116.5	51.5	2210.5	111.6	48.2	2250.5	115.1	45.2	2290.5	117.2	39.9
2171.0	116.5	51.5	2211.0	111.6	48.1	2251.0	114.4	45.1	2291.0	117.2	39.7
2171.5	116.5	51.5	2211.5	113.0	48.0	2251.5	115.8	45.0	2291.5	117.2	39.6
2172.0	116.5	51.5	2212.0	111.6	48.0	2252.0	113.7	45.0	2292.0	116.5	39.5
2172.5	116.5	51.5	2212.5	111.6	48.0	2252.5	115.1	44.9	2292.5	117.2	39.4
2173.0	116.5	51.5	2213.0	113.0	48.0	2253.0	115.1	44.8	2293.0	117.2	39.4
2173.5	116.5	51.5	2213.5	111.6	48.0	2253.5	115.1	44.8	2293.5	116.5	39.3
2174.0	116.5	51.5	2214.0	111.6	48.0	2254.0	115.8	44.7	2294.0	117.2	39.2
2174.5	116.5	51.5	2214.5	111.6	48.0	2254.5	115.8	44.7	2294.5	116.5	39.2
2175.0	116.5	51.5	2215.0	113.0	48.0	2255.0	115.1	44.6	2295.0	117.2	39.1
2175.5	116.5	51.5	2215.5	113.0	48.0	2255.5	115.1	44.5	2295.5	117.2	39.1
2176.0	116.5	51.5	2216.0	111.6	48.0	2256.0	115.1	44.5	2296.0	117.2	39.0
2176.5	116.5	51.5	2216.5	113.0	47.9	2256.5	115.8	44.4	2296.5	117.2	38.9
2177.0	116.5	51.5	2217.0	112.3	47.8	2257.0	114.4	44.3	2297.0	116.5	38.9
2177.5	115.8	51.5	2217.5	111.6	47.8	2257.5	114.4	44.3	2297.5	117.2	38.8
2178.0	116.5	51.5	2218.0	113.0	47.7	2258.0	113.7	44.2	2298.0	117.2	38.7
2178.5	117.2	51.5	2218.5	113.7	47.7	2258.5	115.8	44.2	2298.5	116.5	38.7
2179.0	116.5	51.5	2219.0	113.0	47.6	2259.0	115.8	44.1	2299.0	116.5	38.6
2179.5	115.8	51.5	2219.5	112.3	47.5	2259.5	115.1	44.0	2299.5	116.5	38.6
2180.0	117.2	51.5	2220.0	114.4	47.5	2260.0	115.1	44.0	2300.0	116.5	38.5
2180.5	116.5	51.5	2220.5	115.1	47.4	2260.5	115.1	43.9	2300.5	116.5	38.4
2181.0	115.8	51.5	2221.0	113.0	47.3	2261.0	115.1	43.8	2301.0	117.2	38.4
2181.5	116.5	51.5	2221.5	114.4	47.3	2261.5	114.4	43.8	2301.5	116.5	38.3
2182.0	115.8	51.5	2222.0	112.3	47.2	2262.0	114.4	43.7	2302.0	117.2	38.3
2182.5	116.5	51.5	2222.5	114.4	47.2	2262.5	114.4	43.7	2302.5	116.5	38.2
2183.0	115.1	51.5	2223.0	114.4	47.1	2263.0	115.8	43.6	2303.0	116.5	38.1
2183.5	115.8	51.5	2223.5	113.7	47.0	2263.5	115.8	43.5	2303.5	116.5	38.1
2184.0	115.1	51.5	2224.0	113.7	47.0	2264.0	115.1	43.5	2304.0	116.5	38.0
2184.5	115.1	51.4	2224.5	113.7	47.0	2264.5	115.1	43.4	2304.5	117.2	37.9
2185.0	115.8	51.3	2225.0	114.4	47.0	2265.0	115.8	43.4	2305.0	117.2	37.9
2185.5	115.1	51.3	2225.5	113.7	47.0	2265.5	115.8	43.3	2305.5	117.2	37.8
2186.0	114.4	51.2	2226.0	114.4	47.0	2266.0	113.7	43.2	2306.0	117.8	37.8
2186.5	115.8	51.1	2226.5	114.4	47.0	2266.5	115.8	43.2	2306.5	117.2	37.7
2187.0	114.4	51.1	2227.0	114.4	47.0	2267.0	115.1	43.1	2307.0	117.2	37.6
2187.5	115.1	51.0	2227.5	114.4	47.0	2267.5	115.1	43.0	2307.5	117.2	37.6
2188.0	115.1	51.0	2228.0	115.1	47.0	2268.0	115.1	43.0	2308.0	117.2	37.5
2188.5	114.4	51.0	2228.5	114.4	46.9	2268.5	115.1	42.9	2308.5	116.5	37.5
2189.0	114.4	51.0	2229.0	113.7	46.8	2269.0	115.1	42.9	2309.0	117.2	37.4
2189.5	115.1	51.0	2229.5	114.4	46.8	2269.5	115.1	42.8	2309.5	116.5	37.3
2190.0	113.7	51.0	2230.0	113.7	46.7	2270.0	115.1	42.7	2310.0	117.2	37.3
2190.5	114.4	51.0	2230.5	114.4	46.7	2270.5	115.1	42.7	2310.5	116.5	37.2
2191.0	113.0	51.0	2231.0	115.8	46.6	2271.0	115.1	42.6	2311.0	117.2	37.1
2191.5	114.4	51.0	2231.5	115.8	46.5	2271.5	115.1	42.5	2311.5	116.5	37.1
2192.0	113.7	51.0	2232.0	116.5	46.5	2272.0	115.8	42.5	2312.0	116.5	37.0
2192.5	113.7	50.9	2232.5	115.8	46.5	2272.5	115.8	42.4	2312.5	116.5	37.0
2193.0	113.7	50.8	2233.0	116.5	46.5	2273.0	115.1	42.4	2313.0	116.5	36.9
2193.5	113.7	50.8	2233.5	117.2	46.5	2273.5	115.8	42.3	2313.5	117.2	36.8
2194.0	114.4	50.7	2234.0	117.2	46.5	2274.0	115.1	42.2	2314.0	116.5	36.8
2194.5	115.1	50.6	2234.5	115.8	46.5	2274.5	116.5	42.2	2314.5	117.2	36.7
2195.0	114.4	50.6	2235.0	116.5	46.5	2275.0	115.8	42.1	2315.0	116.5	36.7
2195.5	114.4	50.5	2235.5	117.2	46.5	2275.5	115.8	42.0	2315.5	115.8	36.6

TEST REFERENCE#: 300926AR FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2316.0	116.5	36.5	2356.0	115.1	32.1	2396.0	111.6	28.1	2436.0	108.9	22.7
2316.5	116.5	36.5	2356.5	115.1	32.1	2396.5	111.0	28.1	2436.5	108.9	22.6
2317.0	117.2	36.4	2357.0	115.1	32.1	2397.0	111.0	28.0	2437.0	109.6	22.6
2317.5	115.8	36.3	2357.5	115.1	32.1	2397.5	111.0	27.9	2437.5	108.9	22.5
2318.0	115.8	36.3	2358.0	115.1	32.1	2398.0	111.0	27.9	2438.0	108.9	22.5
2318.5	116.5	36.2	2358.5	114.4	32.1	2398.5	113.0	27.8	2438.5	108.9	22.4
2319.0	117.2	36.2	2359.0	113.0	32.1	2399.0	111.0	27.8	2439.0	108.9	22.3
2319.5	116.5	36.1	2359.5	114.4	32.1	2399.5	111.0	27.7	2439.5	108.9	22.3
2320.0	115.8	36.0	2360.0	115.1	32.1	2400.0	111.6	27.6	2440.0	108.9	22.2
2320.5	115.8	36.0	2360.5	115.1	32.0	2400.5	111.0	27.5	2440.5	109.6	22.1
2321.0	115.8	35.9	2361.0	113.7	32.0	2401.0	111.0	27.4	2441.0	108.2	22.1
2321.5	116.5	35.8	2361.5	115.8	31.9	2401.5	111.0	27.3	2441.5	108.9	22.0
2322.0	116.5	35.8	2362.0	114.4	31.8	2402.0	110.3	27.1	2442.0	108.9	22.0
2322.5	116.5	35.7	2362.5	114.4	31.8	2402.5	110.3	27.0	2442.5	108.2	21.9
2323.0	115.8	35.7	2363.0	115.8	31.7	2403.0	110.3	26.9	2443.0	108.9	21.8
2323.5	115.8	35.6	2363.5	113.7	31.7	2403.5	110.3	26.8	2443.5	108.2	21.8
2324.0	115.8	35.5	2364.0	113.7	31.6	2404.0	110.3	26.7	2444.0	108.2	21.7
2324.5	115.8	35.5	2364.5	114.4	31.5	2404.5	111.0	26.6	2444.5	108.9	21.6
2325.0	115.8	35.4	2365.0	115.1	31.5	2405.0	111.0	26.5	2445.0	108.9	21.6
2325.5	117.2	35.4	2365.5	114.4	31.4	2405.5	110.3	26.5	2445.5	108.9	21.5
2326.0	116.5	35.3	2366.0	113.7	31.3	2406.0	109.6	26.4	2446.0	108.9	21.5
2326.5	117.2	35.2	2366.5	114.4	31.3	2406.5	110.3	26.3	2446.5	108.2	21.4
2327.0	116.5	35.2	2367.0	113.7	31.2	2407.0	109.6	26.3	2447.0	108.2	21.3
2327.5	117.2	35.1	2367.5	114.4	31.2	2407.5	109.6	26.2	2447.5	108.2	21.3
2328.0	116.5	35.0	2368.0	114.4	31.1	2408.0	111.0	26.2	2448.0	108.2	21.2
2328.5	116.5	35.0	2368.5	113.7	31.0	2408.5	109.6	26.1	2448.5	108.2	21.2
2329.0	115.8	34.9	2369.0	113.7	31.0	2409.0	111.0	26.0	2449.0	108.9	21.1
2329.5	116.5	34.9	2369.5	114.4	30.9	2409.5	111.0	26.0	2449.5	109.6	21.0
2330.0	117.2	34.8	2370.0	114.4	30.8	2410.0	111.0	25.9	2450.0	108.2	21.0
2330.5	115.8	34.7	2370.5	115.1	30.8	2410.5	111.0	25.8	2450.5	108.2	20.9
2331.0	116.5	34.7	2371.0	113.7	30.7	2411.0	110.3	25.8	2451.0	109.6	20.8
2331.5	117.2	34.6	2371.5	114.4	30.7	2411.5	111.0	25.7	2451.5	108.9	20.8
2332.0	117.2	34.6	2372.0	113.7	30.6	2412.0	110.3	25.7	2452.0	108.9	20.7
2332.5	116.5	34.5	2372.5	115.1	30.5	2412.5	111.0	25.6	2452.5	109.6	20.7
2333.0	115.8	34.4	2373.0	114.4	30.5	2413.0	109.6	25.5	2453.0	108.9	20.7
2333.5	116.5	34.4	2373.5	113.0	30.4	2413.5	108.9	25.5	2453.5	107.5	20.7
2334.0	115.8	34.3	2374.0	113.0	30.4	2414.0	109.6	25.4	2454.0	107.5	20.7
2334.5	115.8	34.2	2374.5	113.7	30.3	2414.5	109.6	25.4	2454.5	108.9	20.7
2335.0	115.8	34.2	2375.0	113.0	30.2	2415.0	109.6	25.3	2455.0	108.9	20.7
2335.5	116.5	34.1	2375.5	113.0	30.2	2415.5	108.9	25.2	2455.5	108.9	20.7
2336.0	115.8	34.1	2376.0	113.7	30.1	2416.0	109.6	25.2	2456.0	107.5	20.7
2336.5	116.5	34.0	2376.5	113.0	30.1	2416.5	108.9	25.1	2456.5	107.5	20.7
2337.0	116.5	33.9	2377.0	113.0	30.1	2417.0	109.6	25.0	2457.0	108.9	20.6
2337.5	115.8	33.9	2377.5	112.3	30.1	2417.5	108.9	25.0	2457.5	108.9	20.5
2338.0	115.1	33.8	2378.0	112.3	30.1	2418.0	108.9	24.9	2458.0	108.2	20.5
2338.5	115.8	33.7	2378.5	111.6	30.1	2418.5	108.9	24.9	2458.5	108.9	20.4
2339.0	115.8	33.7	2379.0	112.3	30.1	2419.0	109.6	24.8	2459.0	108.2	20.4
2339.5	115.1	33.6	2379.5	113.0	30.1	2419.5	109.6	24.7	2459.5	108.2	20.3
2340.0	116.5	33.6	2380.0	112.3	30.1	2420.0	109.6	24.7	2460.0	108.2	20.2
2340.5	115.8	33.5	2380.5	112.3	30.0	2420.5	108.9	24.6	2460.5	108.2	20.2
2341.0	115.1	33.4	2381.0	113.0	30.0	2421.0	108.9	24.6	2461.0	108.9	20.1
2341.5	115.1	33.4	2381.5	112.3	29.9	2421.5	108.9	24.5	2461.5	108.2	20.0
2342.0	114.4	33.3	2382.0	112.3	29.9	2422.0	109.6	24.4	2462.0	107.5	20.0
2342.5	115.1	33.3	2382.5	112.3	29.8	2422.5	109.6	24.4	2462.5	108.2	19.9
2343.0	115.1	33.2	2383.0	112.3	29.7	2423.0	108.9	24.3	2463.0	107.5	19.9
2343.5	115.1	33.1	2383.5	111.0	29.7	2423.5	109.6	24.2	2463.5	108.2	19.8
2344.0	114.4	33.1	2384.0	111.0	29.6	2424.0	109.6	24.2	2464.0	108.2	19.7
2344.5	115.1	33.1	2384.5	112.3	29.6	2424.5	109.6	24.1	2464.5	108.2	19.7
2345.0	115.8	33.1	2385.0	111.6	29.5	2425.0	109.6	24.1	2465.0	108.2	19.6
2345.5	114.4	33.1	2385.5	111.0	29.4	2425.5	108.9	24.0	2465.5	108.9	19.6
2346.0	114.4	33.1	2386.0	111.6	29.4	2426.0	108.9	23.9	2466.0	108.2	19.5
2346.5	114.4	33.1	2386.5	111.0	29.3	2426.5	109.6	23.9	2466.5	108.9	19.4
2347.0	114.4	33.1	2387.0	113.0	29.2	2427.0	108.9	23.8	2467.0	108.9	19.4
2347.5	115.8	33.1	2387.5	111.6	29.2	2427.5	108.9	23.7	2467.5	108.9	19.3
2348.0	115.1	33.1	2388.0	111.0	29.1	2428.0	108.9	23.7	2468.0	107.5	19.2
2348.5	115.1	33.0	2388.5	111.0	29.1	2428.5	108.9	23.6	2468.5	107.5	19.2
2349.0	115.1	32.9	2389.0	112.3	29.0	2429.0	108.9	23.6	2469.0	108.2	19.1
2349.5	115.1	32.9	2389.5	112.3	28.9	2429.5	108.9	23.5	2469.5	107.5	19.1
2350.0	115.1	32.8	2390.0	113.0	28.9	2430.0	108.9	23.4	2470.0	108.2	19.0
2350.5	115.1	32.8	2390.5	111.6	28.8	2430.5	110.3	23.4	2470.5	108.2	18.9
2351.0	114.4	32.7	2391.0	112.3	28.7	2431.0	109.6	23.3	2471.0	107.5	18.9
2351.5	113.7	32.6	2391.5	111.6	28.7	2431.5	109.6	23.3	2471.5	108.2	18.8
2352.0	115.8	32.6	2392.0	111.6	28.6	2432.0	109.6	23.2	2472.0	108.2	18.7
2352.5	115.8	32.5	2392.5	111.6	28.6	2432.5	108.9	23.1	2472.5	106.8	18.7
2353.0	115.8	32.5	2393.0	111.6	28.5	2433.0	109.6	23.1	2473.0	107.5	18.6
2353.5	115.8	32.4	2393.5	111.0	28.4	2433.5	109.6	23.0	2473.5	106.8	18.6
2354.0	115.8	32.3	2394.0	111.0	28.4	2434.0	108.9	22.9	2474.0	106.8	18.5
2354.5	115.1	32.3	2394.5	111.0	28.3	2434.5	108.9	22.9	2474.5	107.5	18.4
2355.0	115.1	32.2	2395.0	111.6	28.3	2435.0	108.9	22.8	2475.0	106.8	18.4
2355.5	114.4	32.1	2395.5	111.0	28.2	2435.5	108.9	22.8	2475.5	107.5	18.3

TEST REFERENCE#: 300926AR

FILE STARTS: 23:53:00 on February 4, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2476.0	105.4	18.3	2516.0	106.8	15.3	2556.0	104.1	15.3	2596.0	103.4	14.8
2476.5	107.5	18.2	2516.5	105.4	15.3	2556.5	104.7	15.2	2596.5	106.8	14.8
2477.0	106.8	18.1	2517.0	106.8	15.3	2557.0	105.4	15.2	2597.0	105.4	14.8
2477.5	106.1	18.1	2517.5	106.8	15.3	2557.5	105.4	15.1	2597.5	106.1	14.8
2478.0	106.1	18.0	2518.0	104.7	15.3	2558.0	106.1	15.0	2598.0	106.1	14.8
2478.5	106.1	17.9	2518.5	106.8	15.3	2558.5	106.8	15.0	2598.5	106.1	14.8
2479.0	105.4	17.9	2519.0	107.5	15.3	2559.0	106.1	14.9	2599.0	105.4	14.8
2479.5	106.1	17.8	2519.5	106.8	15.3	2559.5	106.8	14.9	2599.5	105.4	14.8
2480.0	106.1	17.8	2520.0	106.8	15.3	2560.0	106.8	14.8	2600.0	103.4	14.8
2480.5	106.1	17.7	2520.5	104.7	15.3	2560.5	106.1	14.8	2600.5	102.7	14.6
2481.0	104.1	17.6	2521.0	105.4	15.3	2561.0	106.1	14.8	2601.0	102.7	14.4
2481.5	104.1	17.6	2521.5	105.4	15.3	2561.5	106.8	14.8	2601.5	102.7	14.2
2482.0	104.7	17.5	2522.0	106.8	15.3	2562.0	106.8	14.8	2602.0	100.6	14.1
2482.5	106.8	17.5	2522.5	107.5	15.3	2562.5	106.8	14.8	2602.5	99.2	13.9
2483.0	106.8	17.4	2523.0	105.4	15.3	2563.0	106.1	14.8	2603.0	96.5	13.7
2483.5	108.2	17.3	2523.5	107.5	15.3	2563.5	106.8	14.8	2603.5	92.3	13.5
2484.0	106.8	17.3	2524.0	105.4	15.3	2564.0	106.1	14.8	2604.0	89.6	13.3
2484.5	106.8	17.3	2524.5	105.4	15.3	2564.5	107.5	14.8	2604.5	89.6	13.3
2485.0	106.1	17.3	2525.0	105.4	15.3	2565.0	106.8	14.8			
2485.5	106.8	17.3	2525.5	105.4	15.3	2565.5	107.5	14.8			
2486.0	106.8	17.3	2526.0	105.4	15.3	2566.0	106.8	14.8			
2486.5	107.5	17.3	2526.5	105.4	15.3	2566.5	106.8	14.8			
2487.0	106.8	17.3	2527.0	104.7	15.3	2567.0	106.8	14.8			
2487.5	107.5	17.3	2527.5	106.8	15.3	2567.5	106.8	14.8			
2488.0	107.5	17.3	2528.0	105.4	15.3	2568.0	108.2	14.8			
2488.5	108.2	17.2	2528.5	105.4	15.3	2568.5	107.5	14.8			
2489.0	108.2	17.1	2529.0	105.4	15.3	2569.0	106.8	14.8			
2489.5	108.2	17.1	2529.5	105.4	15.3	2569.5	106.8	14.8			
2490.0	107.5	17.0	2530.0	106.8	15.3	2570.0	106.1	14.8			
2490.5	106.8	17.0	2530.5	105.4	15.3	2570.5	106.8	14.8			
2491.0	106.8	16.9	2531.0	106.8	15.3	2571.0	107.5	14.8			
2491.5	107.5	16.8	2531.5	105.4	15.3	2571.5	107.5	14.8			
2492.0	106.8	16.8	2532.0	106.8	15.3	2572.0	106.1	14.8			
2492.5	107.5	16.7	2532.5	105.4	15.3	2572.5	107.5	14.8			
2493.0	107.5	16.6	2533.0	105.4	15.3	2573.0	106.8	14.8			
2493.5	106.8	16.6	2533.5	104.7	15.3	2573.5	105.4	14.8			
2494.0	107.5	16.5	2534.0	105.4	15.3	2574.0	106.1	14.8			
2494.5	108.2	16.5	2534.5	104.7	15.3	2574.5	107.5	14.8			
2495.0	106.1	16.4	2535.0	104.7	15.3	2575.0	106.1	14.8			
2495.5	106.8	16.3	2535.5	104.7	15.3	2575.5	107.5	14.8			
2496.0	106.8	16.3	2536.0	104.7	15.3	2576.0	108.2	14.8			
2496.5	107.5	16.3	2536.5	105.4	15.3	2576.5	106.1	14.8			
2497.0	107.5	16.3	2537.0	105.4	15.3	2577.0	106.8	14.8			
2497.5	106.8	16.3	2537.5	104.7	15.3	2577.5	106.8	14.8			
2498.0	107.5	16.3	2538.0	104.7	15.3	2578.0	107.5	14.8			
2498.5	107.5	16.3	2538.5	105.4	15.3	2578.5	107.5	14.8			
2499.0	107.5	16.3	2539.0	104.7	15.3	2579.0	106.1	14.8			
2499.5	105.4	16.3	2539.5	105.4	15.3	2579.5	105.4	14.8			
2500.0	108.2	16.3	2540.0	104.1	15.3	2580.0	106.1	14.8			
2500.5	106.1	16.2	2540.5	105.4	15.3	2580.5	106.1	14.8			
2501.0	106.1	16.2	2541.0	104.7	15.3	2581.0	106.8	14.8			
2501.5	106.1	16.1	2541.5	105.4	15.3	2581.5	107.5	14.8			
2502.0	106.1	16.0	2542.0	104.7	15.3	2582.0	106.8	14.8			
2502.5	106.8	16.0	2542.5	104.7	15.3	2582.5	104.1	14.8			
2503.0	106.8	15.9	2543.0	104.7	15.3	2583.0	105.4	14.8			
2503.5	106.8	15.8	2543.5	106.8	15.3	2583.5	106.1	14.8			
2504.0	106.1	15.8	2544.0	106.8	15.3	2584.0	105.4	14.8			
2504.5	106.8	15.8	2544.5	105.4	15.3	2584.5	106.8	14.8			
2505.0	106.8	15.8	2545.0	104.7	15.3	2585.0	105.4	14.8			
2505.5	106.1	15.8	2545.5	106.8	15.3	2585.5	106.1	14.8			
2506.0	106.1	15.8	2546.0	104.1	15.3	2586.0	105.4	14.8			
2506.5	106.1	15.8	2546.5	104.7	15.3	2586.5	106.1	14.8			
2507.0	106.1	15.8	2547.0	104.7	15.3	2587.0	106.1	14.8			
2507.5	106.1	15.8	2547.5	104.7	15.3	2587.5	106.1	14.8			
2508.0	106.8	15.8	2548.0	106.8	15.3	2588.0	106.1	14.8			
2508.5	106.8	15.8	2548.5	104.1	15.3	2588.5	105.4	14.8			
2509.0	106.8	15.8	2549.0	104.7	15.3	2589.0	106.1	14.8			
2509.5	106.1	15.8	2549.5	104.7	15.3	2589.5	106.1	14.8			
2510.0	105.4	15.8	2550.0	104.1	15.3	2590.0	105.4	14.8			
2510.5	105.4	15.8	2550.5	105.4	15.3	2590.5	106.8	14.8			
2511.0	105.4	15.8	2551.0	105.4	15.3	2591.0	105.4	14.8			
2511.5	104.7	15.8	2551.5	105.4	15.3	2591.5	106.1	14.8			
2512.0	106.8	15.8	2552.0	105.4	15.3	2592.0	106.1	14.8			
2512.5	106.1	15.7	2552.5	105.4	15.3	2592.5	106.1	14.8			
2513.0	106.1	15.7	2553.0	104.7	15.3	2593.0	106.8	14.8			
2513.5	106.8	15.6	2553.5	105.4	15.3	2593.5	105.4	14.8			
2514.0	105.4	15.5	2554.0	105.4	15.3	2594.0	106.1	14.8			
2514.5	106.1	15.5	2554.5	104.7	15.3	2594.5	106.1	14.8			
2515.0	106.1	15.4	2555.0	105.4	15.3	2595.0	105.4	14.8			
2515.5	106.1	15.4	2555.5	105.4	15.3	2595.5	106.8	14.8			

**C) DST #1 SLAVE POINT 1370-1396 M
TEST ANALYSES**

Schlumberger

Schlumberger of Canada
Testing/Production ServicesTest Date : 05-FEB-1990
Location : E-02
DST # : ONE

LEVEL II DST INTERPRETATION REPORT

for

PETRO CANADA INCORPORATED

Well: PCI SWEDE E-02

DST# ONE: SLAVE POINT - 1370.00 m/1396.0 m

*****Test Reference Number 300926AI*****

TEST RESULTS

RESERVOIR PRESSURE	:	9840.0 kPa
RESERVOIR TEMPERATURE	:	54.000 DegC
PRODUCTION RATE	:	470.0 m ³ /D
NET PIPE RECOVERY	:	4m OF DRILLING FLUID.
	:	MUD RECOVERY WAS UNLOADED DURING THIRD FLOW.
	:	

INTERPRETATION RESULTS

MODEL OF BEHAVIOR	Homogeneous
ANALYSIS FLUID TYPE	Gas
EFFECTIVE PERMEABILITY	0.16526 md
TRANSMISSIBILITY	105.54 md.m/mPa.s
SKIN FACTOR/DAMAGE RATIO.....	49.717/8.1
NET THICKNESS	8.0000 m
RADIUS OF INVESTIGATION	24.6 m
DISTANCE TO AN ANOMALY	

FLUID/FORMATION PROPERTIES

GAS GRAVITY	0.65000
VISCOSITY	0.01253 mPa*s
WATER CUT	
TOTAL COMPRESSIBILITY ...	1.5649E-04 1/kPa
POROSITY	0.06000
WATER SATURATION	0.20000

COMMENTS

This was a mechanically successful test of the Slave Point formation from 1370 - 1394 mKB. An analysis of the second shutin period was completed using pseudo pressures.

Interpretation of the log derivative diagnostic plot suggests that infinite acting radial flow occurred from delta t = 2.8 to 4.2 hours.

The generalized Horner analysis yields a permeability of 0.3455 md, kh= 2.764 md-m, a skin of 107.24 and extrapolated reservoir pressure of 9866.52 kPa.

Type curve analysis yields a permeability of 0.165 md, a skin of 49.72 and extrapolated reservoir pressure of 9840.0 kPa. There are no reservoir anomalies identified and the reservoir is considered to be homogeneous.

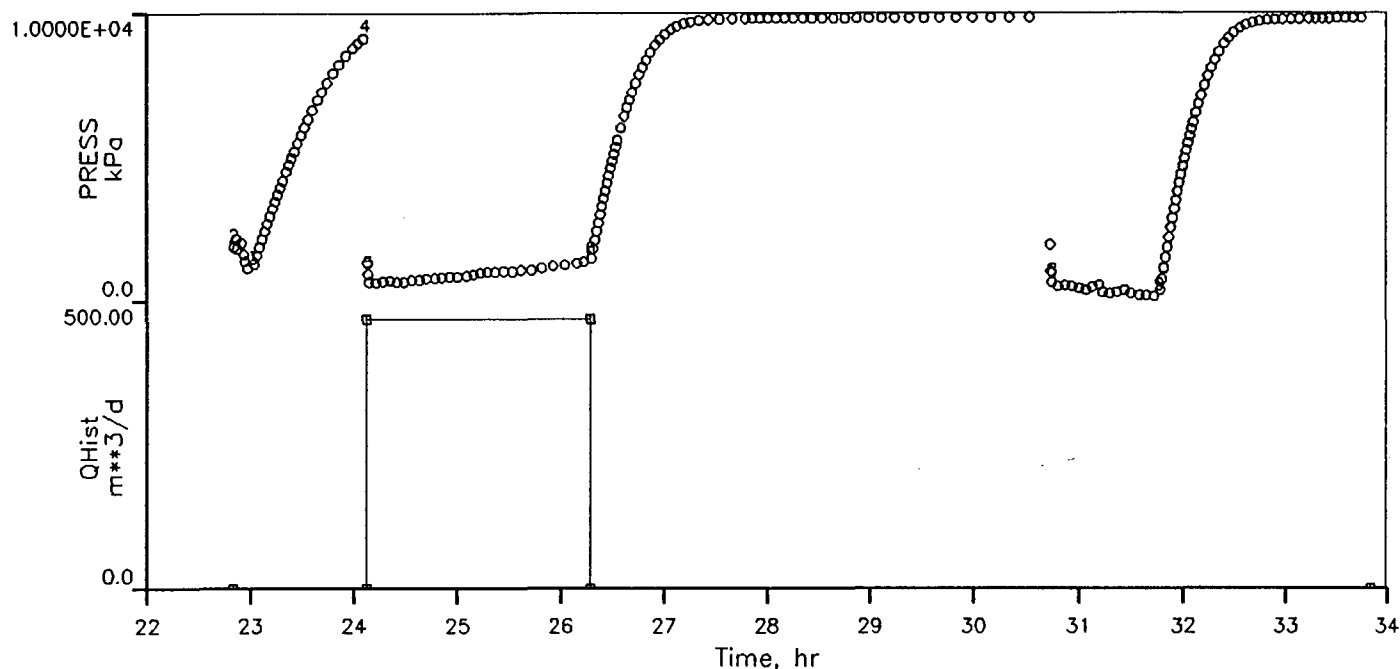
Flow rate data is questionable, a constant flow rate of 470 m³/D was used to calculate the above answers.

If you require any additional information please contact Brian Jordan at 231-9625.

DATA SUMMARY

Test Date : 05-FEB-1990
Location : E-02
DST # : ONE

PRESSURE/FLOWRATE HISTORY



SEQUENCE OF EVENTS

EVENT NO.	DATE	TIME (HR: MIN)	DESCRIPTION	ELAPSED TIME (HR: MIN)	BHP	WHP
1	05-FEB	22: 42	HYDROSTATIC MUD	21: 55	1.0404E+05	0.0
2	05-FEB	23: 38	START FLOW	22: 51	1.2887E+04	0.0
3	05-FEB	23: 49	END FLOW & START SHUT-IN	23: 01	7477.57	0.0
4	06-FEB	00: 54	END SHUT-IN	24: 07	6.3167E+04	0.0
5	06-FEB	00: 56	START FLOW	24: 08	6455.56	0.0
6	06-FEB	03: 05	END FLOW & START SHUT-IN	26: 17	9645.28	0.0
7	06-FEB	07: 29	END SHUT-IN	30: 42	6.7741E+04	0.0
8	06-FEB	07: 32	START FLOW	30: 45	4401.89	0.0
9	06-FEB	08: 34	END FLOW & START SHUT-IN	31: 46	1140.88	0.0
10	06-FEB	10: 37	END SHUT-IN	33: 50	6.7569E+04	0.0
11	06-FEB	11: 02	HYDROSTATIC MUD	34: 15	1.0357E+05	0.0

SUMMARY OF FLOW PERIODS

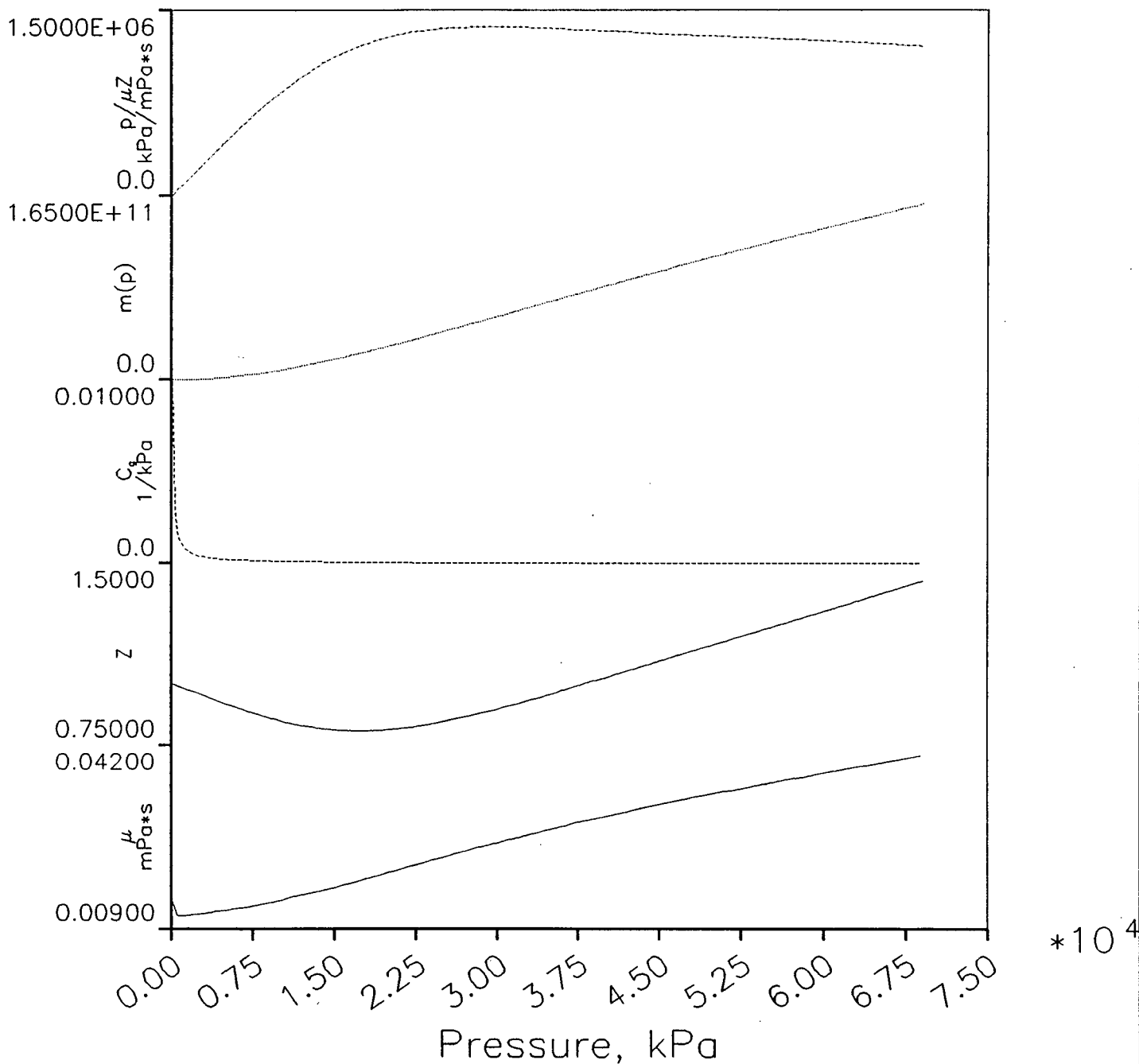
PERIOD	DURATION (HR: MIN)	PRESSURE		Gas FLOWRATE m**3/D	CHOKE SIZE (INCHES)
		START	STOP		
# 3, DO	2: 10	9156.24	1398.95	470.00	
# 4, BU	4: 26	1398.95	9814.69	0.0	

SUMMARY of GAS PVT PROPERTIES

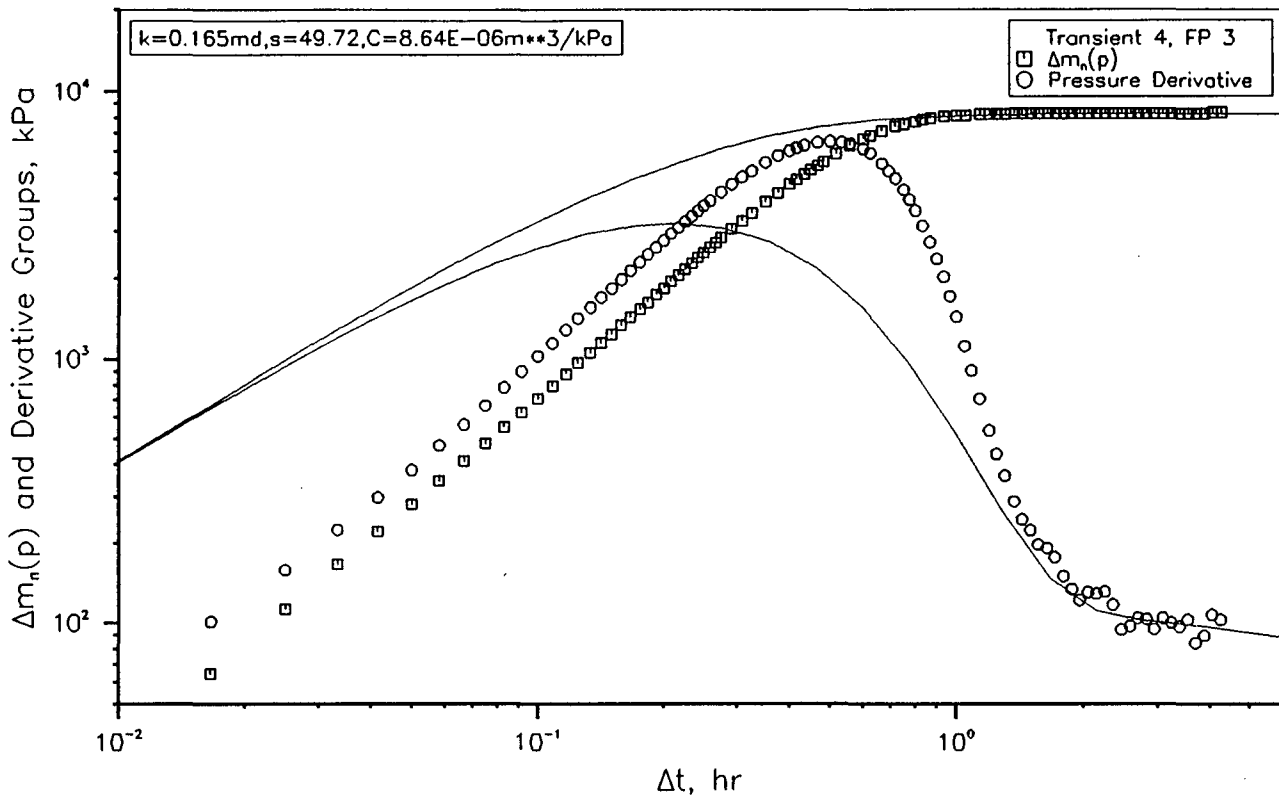
Gas Gravity.....: 0.65000
Critical Temperature ...: 370.26 DegK
Critical Pressure: 4629.40 kPa

Standard Temperature ...: 15.000 DegC
Standard Pressure: 101.32 kPa

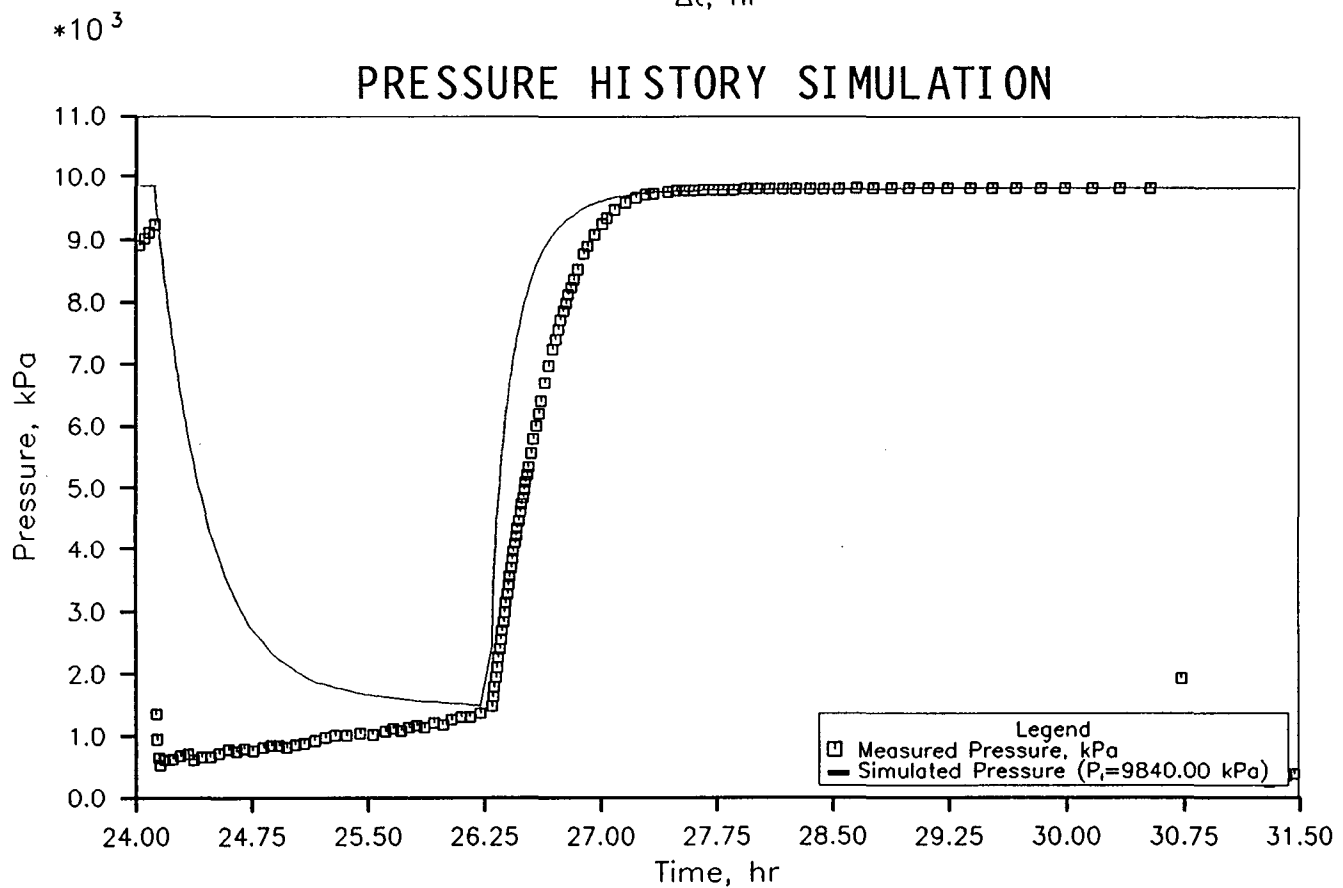
Initial Pressure: 1398.95 kPa
Average Pressure: 5610.61 kPa
Average Viscosity: 0.01253 mPa*s
Average GAS Compressibility: 1.9572E-04 /kPa
Average Form. Vol. Factor: 0.01866 m**3/m**3
Average Z: 0.91013



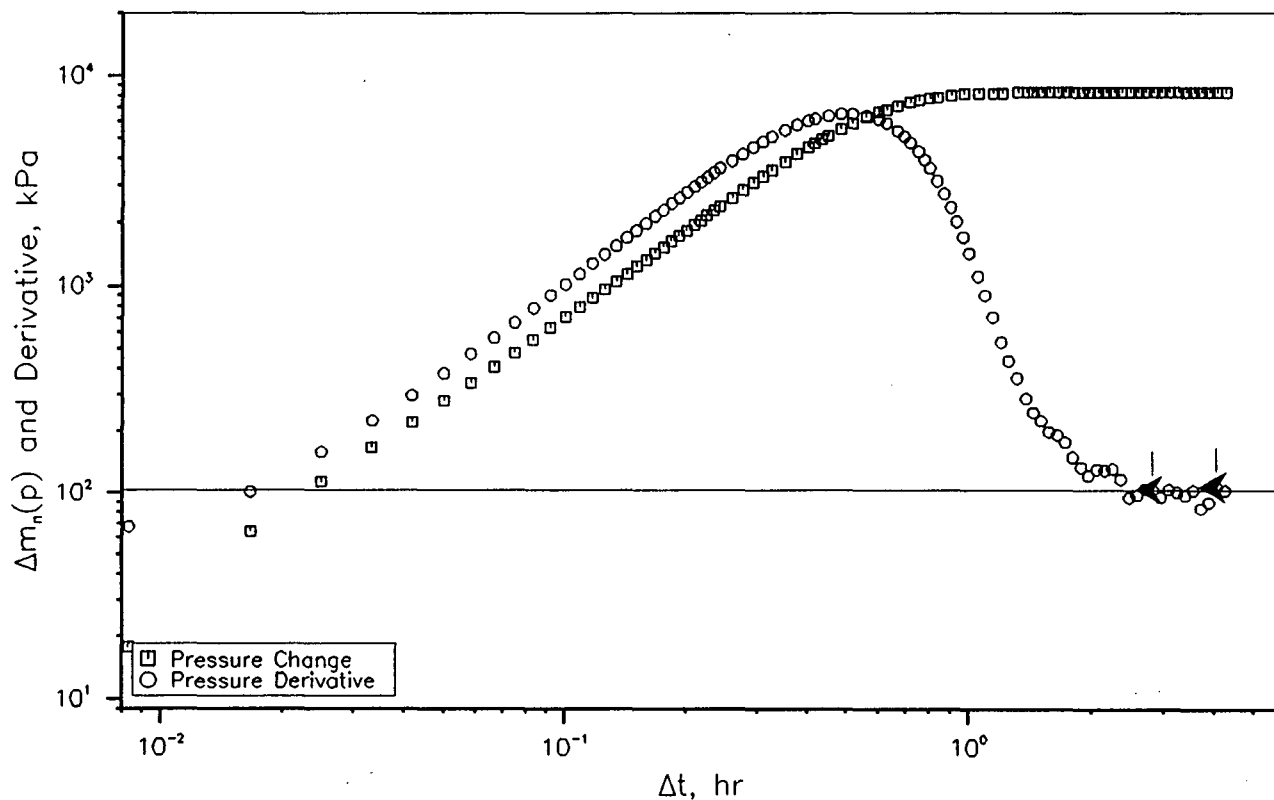
MULTI RATE TYPE CURVE ANALYSIS



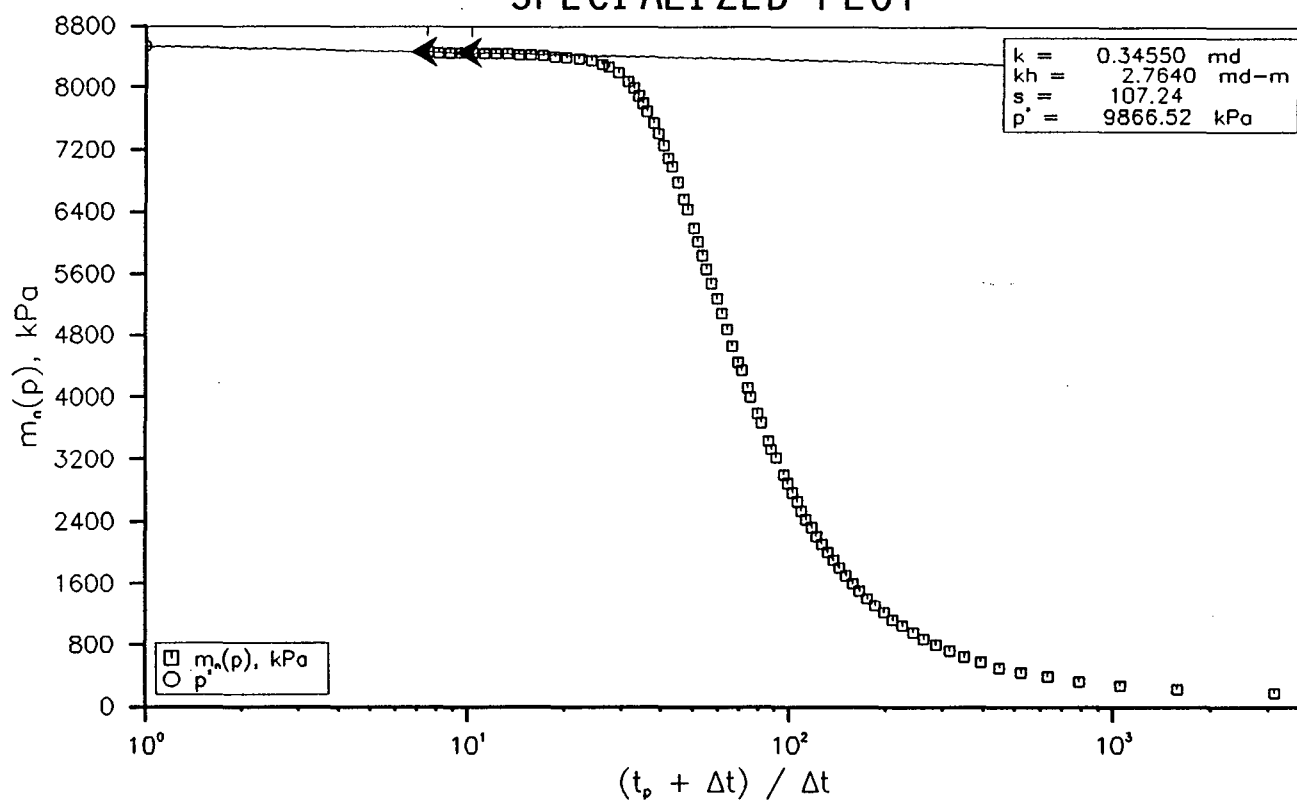
PRESSURE HISTORY SIMULATION



FLOW REGIME IDENTIFICATION PLOT



SPECIALIZED PLOT



DELTA-F TEST CORP.
WELL TESTING AND EVALUATION
#520 400 5th AVENUE S.W.
CALGARY , ALBERTA T2P 1N7

PCI SWEDE

E-02
PINE POINT 1477M - 1487M
DST # 2

**D) DST #2 PINE POINT 1477-1487 M
CLOSED CHAMBER TEST REPORT**

Wed, Feb 14, 1990

PCI SWEDE

E-02

PINE POINT 1477M - 1487M

DST # 2

CLOSED CHAMBER REPORT SUMMARY

FLOW TIMES (minutes)

FLOW # 1 = 10.5 SHUT IN # 1 = 61.5
FLOW # 2 = 90 SHUT IN # 2 = 240

FLOW RATES (m3/D)

	GAS	LIQUID
	---	----
FLOW # 1 initial	29.9	187.4
final	0.0	187.4
FLOW # 2 initial	196.8	27.4
final	0.0	27.4

RECOVERY

LENGTH (m)	VOLUME (m3)	DESCRIPTION
-----	-----	-----
80	.335	GASSIFIED INHIBITOR , FOAM & SALT WATER
700	2.73	SLIGHTLY GASSY & OIL STAINED SALT WATER
-----	-----	-----
780	3.065	TOTAL RECOVERY

COMMENTS

A closed chamber analysis has been carried out for both flow periods. The results are contained in the following pages.

In summary, a mechanically successful Inflate Staddle test was performed on the above interval. During the Preflow the zone produced an average liquid flow rate of 187.4 m3/d. The gas rate decreased to 0 at 4.5 mins into the flow period. During the Mainflow the zone produced an average liquid flow rate of 27.4 m3/d. The gas flow rate decreased to 0 at 29 mins into the Mainflow.

CLOSED CHAMBER SURFACE RESULTS:

PREFLOW 10.5 MINS

Pressure increased 27.98 kpa. Max dp/dt of 3.26 kpa/min at 2 mins. Average dp/dt of 2.66 kpa/min.

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DST # 2

INITIAL SHUTIN 61.5 MINS

Pressure increased 2.15 kpa during the entire shutin period.
Chamber was not vented to the flare pit.

MAINFLOW 90 MINS

Pressure increased 83.22 kpa. Max dp/dt of 3.81 kpa/min at
1 min. Average dp/dt of 0.92 kpa/min.

FINAL SHUTIN 240 MINS

Pressure did not increase and chamber was vented to flare
pit after 20 mins. Due to extremely cold temperatures the
the chamber did not completely vent itself. At 1.5 hours the
pressure increased to final shutin pressure and was vented
again prior to pulling the tool free.

DOWNHOLE PRESSURE RECORDERS:

OUTSIDE RECORDER #21628 LOCATED AT 1478M

Chart was digitized and used to obtain the following
pressures:

IHP 16148, IPF 2489, FPF 3684, ISIP 8906,

FHP 16105, IMF 4481, FMF 8635, FSIP 9247, kpag.

FLUID RECORDER #50094 LOCATED ABOVE THE SI TOOL

A Starburst recorder was used to obtain fluid rates, chart
was digitized for this report.

FLUID INFLUX: PREFLOW 1.359 m3 MAINFLOW 1.71m3

BOTTOMHOLE TEMP(degrees): 59.4 C

FLUID ANALYSIS:

Fluid was reversed circulated out and samples were caught at
the discharge line. First sample was gas cut inhibitor, foam
and salt water. The rest of the samples were slightly gassified
salt water with a very slight oil stain.

Salt Content: 35,000 mg/l of Cl, 57,750 mg/l of NaCl

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Inflate Straddle test by Schlumberger Testers of Grande Prairie, Keith Brooks tester.

Closed Chamber Analysis by Delta P Test Corp. of Calgary, Kelly Brennen tester.

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PCI SWEDE

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PINE POINT 1477M - 1487M

DST # 2

GAS FLOW RATES AND TIMES

TestTime	FlowTime	Pressure	Dp/Dt	Gas Rate
	Min.	KPa abs.	KPa/min	m3/D

START OF FLOW # 1

GAS HAS BROKEN THROUGH LIQUID CUSHION

22:30:00	.00	92.83		
22:30:30	.50	94.18	2.70	29.9
22:31:00	1.00	95.62	2.88	38.8
22:31:30	1.50	96.97	2.70	19.3
22:32:00	2.00	98.60	3.26	56.9
22:32:30	2.50	99.92	2.64	3.8
22:33:00	3.00	101.36	2.88	16.6
22:33:30	3.50	102.87	3.02	21.3
22:34:00	4.00	104.25	2.76	.0
22:34:30	4.50	105.82	3.14	18.6
22:35:00	5.00	107.14	2.64	.0
22:35:30	5.50	108.34	2.40	.0
22:36:00	6.00	109.41	2.14	.0
22:36:30	6.50	110.82	2.82	.0
22:37:00	7.00	111.96	2.28	.0
22:37:30	7.50	113.00	2.08	.0
22:38:00	8.00	114.05	2.10	.0
22:38:30	8.50	115.37	2.64	.0
22:39:00	9.00	116.35	1.96	.0
22:39:30	9.50	117.61	2.52	.0
22:40:00	10.00	118.56	1.90	.0
22:40:30	10.50	119.76	2.40	.0

START OF SHUT IN # 1

22:40:30	.00	119.76	.00	
22:45:00	4.50	119.69	-.02	
22:50:00	9.50	119.94	.05	
22:55:00	14.50	120.25	.06	
23:00:00	19.50	120.47	.04	
23:05:00	24.50	120.87	.08	
23:10:00	29.50	121.12	.05	
23:15:00	34.50	121.34	.04	
23:20:00	39.50	121.34	.00	
23:25:00	44.50	121.44	.02	
23:30:00	49.50	121.72	.06	
23:35:00	54.50	121.63	-.02	
23:40:00	59.50	121.82	.04	
23:42:00	61.50	121.91	.05	

Wed, Feb 14, 1990

PCI SWEDE

E-02

PINE POINT 1477M - 1487M

DST # 2

GAS FLOW RATES AND TIMES

TestTime	FlowTime	Pressure	Dp/Dt	Gas Rate
	Min.	KPa abs.	KPa/min	m3/D
START OF FLOW # 2				
GAS HAS BROKEN THROUGH LIQUID CUSHION				
23:42:00	.00	121.91		
23:43:00	1.00	125.72	3.81	196.8
23:44:00	2.00	128.86	3.14	154.0
23:45:00	3.00	131.69	2.83	133.5
23:46:00	4.00	134.82	3.13	149.9
23:47:00	5.00	137.25	2.43	106.2
23:48:00	6.00	139.95	2.70	120.9
23:49:00	7.00	142.14	2.19	89.1
23:50:00	8.00	144.50	2.36	98.0
23:51:00	9.00	146.75	2.25	90.1
23:52:00	10.00	148.84	2.09	79.5
23:53:00	11.00	151.05	2.21	85.3
23:54:00	12.00	153.02	1.97	70.1
23:55:00	13.00	154.96	1.94	67.3
23:56:00	14.00	156.86	1.90	63.9
23:57:00	15.00	158.80	1.94	65.1
23:58:00	16.00	160.46	1.66	48.1
23:59:00	17.00	162.21	1.75	52.2
00:00:00	18.00	163.87	1.66	46.2
00:01:00	19.00	165.53	1.66	45.2
00:02:00	20.00	167.01	1.48	34.2
00:03:00	21.00	168.55	1.54	36.7
00:04:00	22.00	169.99	1.44	30.3
00:05:00	23.00	171.53	1.54	35.0
00:06:00	24.00	172.85	1.32	22.1
00:07:00	25.00	174.08	1.23	16.4
00:08:00	26.00	175.22	1.14	10.9
00:09:00	27.00	176.26	1.04	4.8
00:10:00	28.00	177.46	1.20	12.8
00:11:00	29.00	178.48	1.02	2.5
00:12:00	30.00	179.40	.92	.0
00:13:00	31.00	180.32	.92	.0
00:14:00	32.00	181.22	.90	.0
00:15:00	33.00	182.14	.92	.0
00:16:00	34.00	183.00	.86	.0
00:17:00	35.00	183.83	.83	.0
00:18:00	36.00	184.66	.83	.0
00:19:00	37.00	185.37	.71	.0
00:20:00	38.00	186.11	.74	.0
00:21:00	39.00	186.85	.74	.0
00:22:00	40.00	187.43	.58	.0

Wed, Feb 14, 1990

PCI SWEDE

E-02

FINE POINT 1477M - 1487M

DST # 2

GAS FLOW RATES AND TIMES

TestTime	FlowTime Min.	Pressure KPa abs.	Dp/Dt KPa/min	Gas Rate m3/D
00:23:00	41.00	188.14	.71	.0
00:24:00	42.00	188.88	.74	.0
00:25:00	43.00	189.25	.37	.0
00:26:00	44.00	189.90	.65	.0
00:27:00	45.00	190.51	.61	.0
00:28:00	46.00	190.97	.46	.0
00:29:00	47.00	191.62	.65	.0
00:30:00	48.00	192.24	.62	.0
00:31:00	49.00	192.48	.24	.0
00:32:00	50.00	193.25	.77	.0
00:33:00	51.00	193.71	.46	.0
00:34:00	52.00	194.08	.37	.0
00:35:00	53.00	194.58	.50	.0
00:36:00	54.00	194.95	.37	.0
00:37:00	55.00	195.29	.34	.0
00:38:00	56.00	195.90	.61	.0
00:39:00	57.00	196.30	.40	.0
00:40:00	58.00	196.55	.25	.0
00:41:00	59.00	197.04	.49	.0
00:42:00	60.00	197.29	.25	.0
00:43:00	61.00	197.66	.37	.0
00:44:00	62.00	197.94	.28	.0
00:45:00	63.00	198.25	.31	.0
00:46:00	64.00	198.62	.37	.0
00:47:00	65.00	198.96	.34	.0
00:48:00	66.00	199.39	.43	.0
00:49:00	67.00	199.73	.34	.0
00:50:00	68.00	199.76	.03	.0
00:51:00	69.00	200.19	.43	.0
00:52:00	70.00	200.41	.22	.0
00:53:00	71.00	200.72	.31	.0
00:54:00	72.00	201.09	.37	.0
00:55:00	73.00	201.21	.12	.0
00:56:00	74.00	201.55	.34	.0
00:57:00	75.00	201.76	.21	.0
00:58:00	76.00	202.04	.28	.0
00:59:00	77.00	202.17	.13	.0
01:00:00	78.00	202.47	.30	.0
01:01:00	79.00	202.75	.28	.0
01:02:00	80.00	202.94	.19	.0
01:03:00	81.00	203.15	.21	.0
01:04:00	82.00	203.40	.25	.0
01:05:00	83.00	203.62	.22	.0
01:06:00	84.00	203.99	.37	.0

Wed, Feb 14, 1990

PCI SWEDE

E-02

FINE POINT 1477M - 1487M

DST # 2

GAS FLOW RATES AND TIMES

TestTime	FlowTime	Pressure	Dp/Dt	Gas Rate
	Min.	KPa abs.	KPa/min	m3/D
01:07:00	85.00	204.11	.12	.0
01:08:00	86.00	204.20	.09	.0
01:09:00	87.00	204.51	.31	.0
01:10:00	88.00	204.64	.13	.0
01:11:00	89.00	204.82	.18	.0
01:12:00	90.00	205.13	.31	.0

START OF SHUT IN # 2

01:12:00	.00	205.13	.00	
01:25:00	13.00	204.98	-.01	
01:40:00	28.00	91.77	-7.55	
01:55:00	43.00	91.69	-.01	
02:10:00	58.00	92.13	.03	
02:25:00	73.00	92.53	.03	
02:40:00	88.00	203.45	7.39	
02:55:00	103.00	202.35	-.07	
03:10:00	118.00	201.01	-.09	
03:25:00	133.00	199.60	-.09	
03:40:00	148.00	198.31	-.09	
03:55:00	163.00	196.71	-.11	
04:10:00	178.00	93.29	-6.89	
04:25:00	193.00	92.61	-.05	
04:40:00	208.00	93.16	.04	
04:43:15	211.25	93.13	-.01	

END OF RECORDED DATA

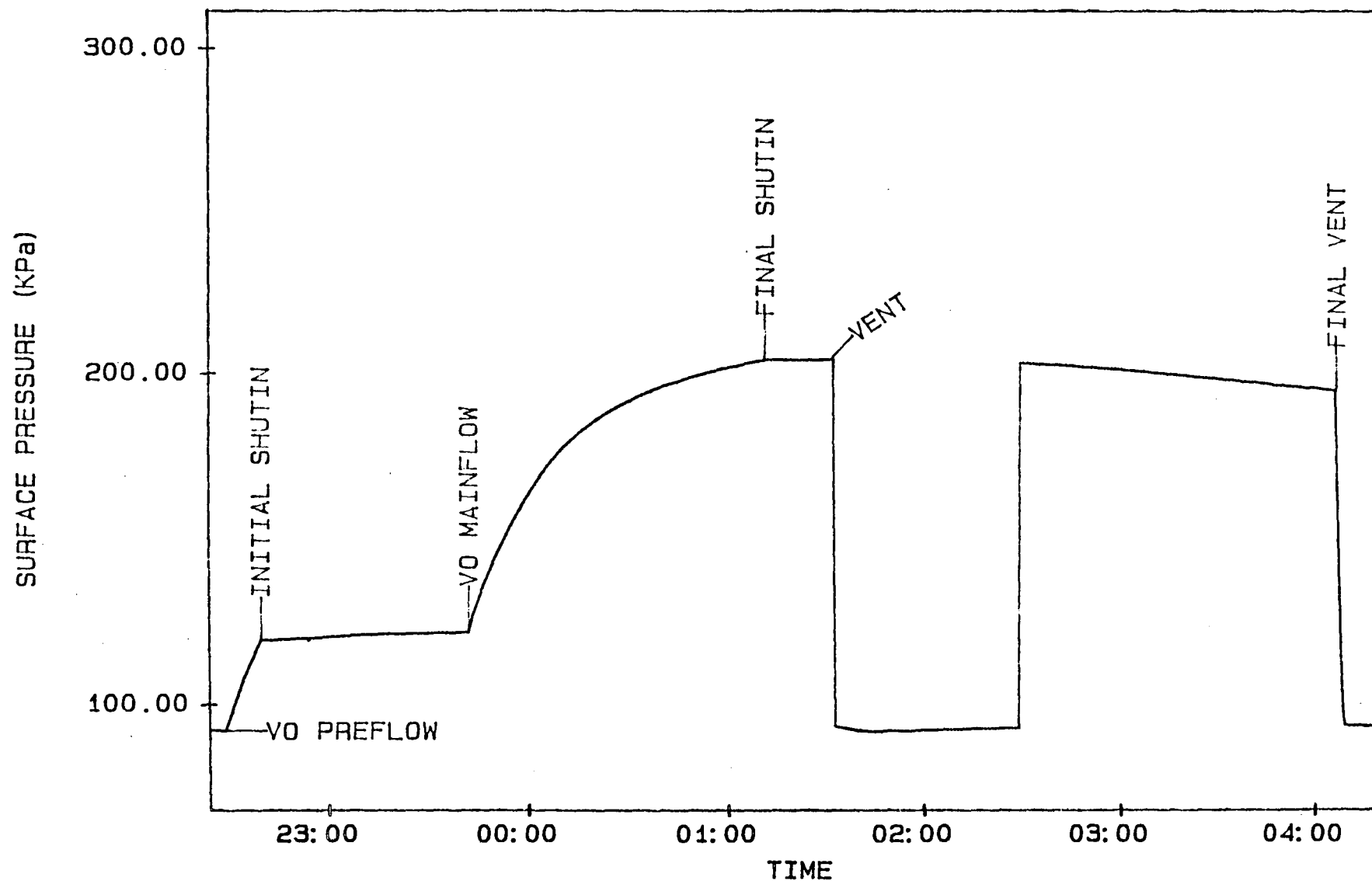
DELTA-P TEST CORP.

REFERENCE FILENAME : PCS13

TEST DATE : Wed, Feb 14, 1990

WELL NAME : PCI SWEDE

WELL LOCATION : E-02



**E) DST #2 PINE POINT 1477-1487 M
DRILLSTEM TEST REPORT**

LEVEL I FLOPETROL JOHNSTON™ DST REPORT
for

PETRO CANADA INC.
Well: PCI SWEDE E-02

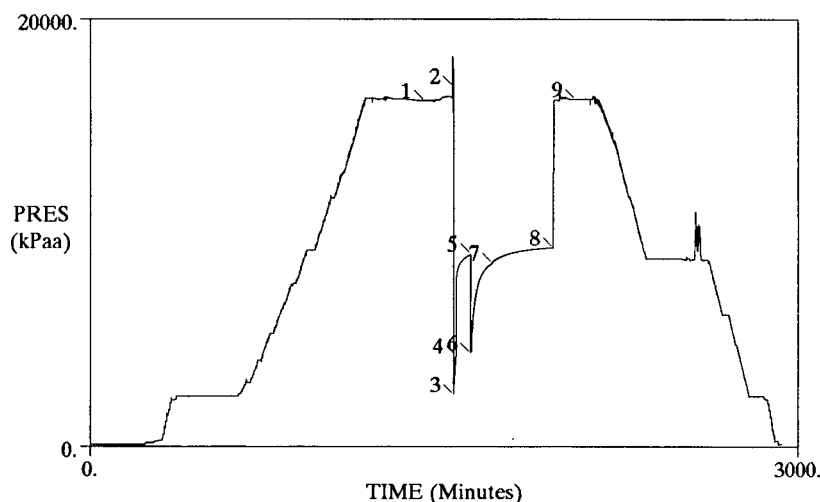
DST #TWO: PINE POINT FORMATION - (1477. - 1487.M)

*****Test Reference Number: 301215B*****

Test Data

#	Explanation	P(kPa)	T(min)
1	HYDROSTATIC	16205.9	1410.0
2	REFERENCE TIME	16907.1	1531.0
3	START FLOW	2465.5	1532.0
4	END FLOW	4316.7	1542.5
5	END SHUT-IN	9098.9	1604.0
6	START FLOW	4429.8	1604.5
7	END FLOW	8665.9	1694.0
8	END SHUT-IN	9393.3	1948.0
9	HYDROSTATIC	16281.1	2040.0

BOTTOMHOLE PRESSURE LOG



Test Results [STRADDLE INFLATE]

FINAL SHUTIN PRESSURE	9393.3 kPa
RESERVOIR TEMPERATURE	59.4 C
PRODUCTION RATE	CLOSED CHAMBER - DELTA P
NET PIPE RECOVERY	780 m Total
	80 m Foamy inhibitor and oil stained salt water
	700 m Oil stained, slightly gasified salt water 95,000 ppm NaCl

Blow Description

PREFLOW	CLOSED CHAMBER WITH DELTA-P
MAINFLOW	CLOSED CHAMBER WITH DELTA-P

Comments

THIS WAS A MECHANICALLY SUCCESSFUL TEST OF THE PINE POINT FORMATION FROM 1477 TO 1487 MKB. THE BOTTOMHOLE PRESSURE CHARTS, LOG-LOG AND SEMI-LOG DIAGNOSTIC PLOTS INDICATE A FORMATION WITH EXCELLENT PERMEABILITY, LITTLE TO NO FORMATION DAMAGE. THERE IS A CONSTANT UPWARD TREND EVIDENT ON THE DIAGNOSTIC PLOTS THAT WARRANTS FURTHER ANALYSIS OF THE PRESSURE BUILD-UP DATA.

IF YOU REQUIRE FURTHER INFORMATION, PLEASE CONTACT BRIAN JORDAN AT 231-9625.

Flowrate Summary and Sequence of Events

LABEL POINT #	TIME of DAY (HH:MM:SS)	EXPLANATION	DURATION (min)	BHP (kPa)	BHT (Deg C)	SURF PRESS (kPa)	FLOW RATE (m3/d)
1	20:27:00	HYDROSTATIC		16205.9	54.8		
2	22:28:00	REFERENCE TIME	121.0	16907.1	55.3		
3	22:29:00	START FLOW	1.0	2465.5	55.3		
4	22:39:30	END FLOW	10.5	4316.7	58.0		
5	23:41:00	END SHUT-IN	61.5	9098.9	58.3		
6	23:41:30	START FLOW	0.5	4429.8	58.4		
7	1:11:00	END FLOW	89.5	8665.9	59.4		
8	5:25:00	END SHUT-IN	254.0	9393.3	58.3		
9	6:57:00	HYDROSTATIC	92.0	16281.1	58.3		

Sample Data

Sample #/Source	Description	RESISTIVITY ohm @ C	Salinity PPM(NaCl)
1-MUD TANKS	DRILLING MUD DRILLING MUD FILTRATE	2.50 @ 15 2.10 @ 16	2,750 3,500
2-START REVERSING	FOAMY INHIBITOR AND OIL STAINED SALT WATER	N/A	
3-MIDDLE REVERSING	OIL STAINED, SLIGHTLY GASIFIED WATER	0.097 @ 15	95,000
4-END REVERSING	OIL STAINED, SLIGHTLY GASIFIED WATER	0.092 @ 15	95,000
5-			

Samples Sent To: CORE LAB

Hole Conditions

Total Depth(MD/TVD)	1527 m
Ground Level	805.05 m
Kelly Bushing	810.10 m
Hole Size	200 mm
Mud Weight	1115 kg/m3
Mud Type	GEL CHEM

Test String Configuration

Pipe Length/I.D.	1266.18 m / 70 mm
Collar Length/I.D.	190.48 m / 71 mm
Packer Depths	1477 - 1487 m
Bottomhole Choke Size	12.7 mm
Gauge Depth/Type	1479.26 m / STARBURST

Tool Sequence:

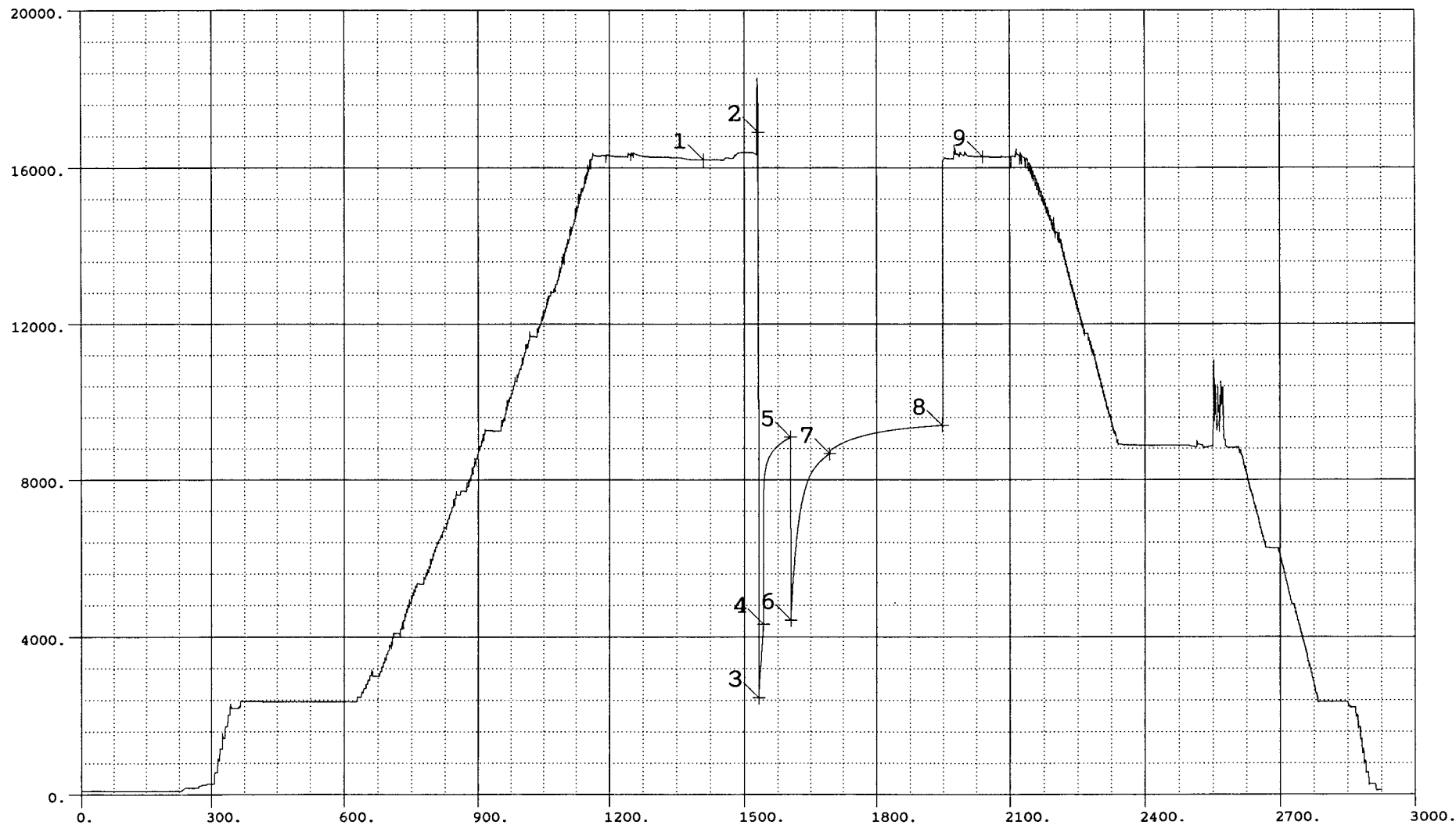
#	DESCRIPTION	LENGTH(m)	DEPTH(m)
0	DRILL PIPE TOP	0.00	-1.56
1	Drill Pipe TUBING I.D.70 mm	1266.18	1264.62
2	Crossover	0.30	1264.92
3	Crossover	0.31	1265.23
4	Drill Collars I.D. 71 mm	9.22	1274.45
5	Crossover	0.30	1274.75
6	Crossover	0.30	1275.05
7	OTHER Safety valve	2.51	1277.56
8	Crossover	0.30	1277.86
9	Crossover	0.30	1278.16
10	Drill Collars I.D. 71 mm	154.52	1432.68
11	Pumpout Sub Pressure type	0.17	1432.85
12	Pumpout Sub Pin type	0.18	1433.03
13	Drill Collars I.D. 71 mm	26.74	1459.77
14	Crossover	0.30	1460.07
15	Elec.Recorder SB#50094	1.80	1461.87
16	Choke Sub 12.7mm	0.30	1462.17
17	MFE [Test Valve] SC#41208,133142	3.93	1466.10
18	Crossover	0.30	1466.40
19	Recorder AK1 # 2108	1.35	1467.75
20	Jars	2.49	1470.24
21	Rotary Pump # 132785	2.45	1472.69
22	MSRV [Deflate] # 113766	2.44	1475.13
23	REFERENCE PACKER # 110541	1.87	1477.00
24	Packer Stub PERF	0.76	1477.76
25	Recorder K3 #21623,17730	1.85	1479.61
26	Recorder SB#50115	0.00	1479.61
27	Blank Anchor	6.40	1486.01
28	Crossover	0.30	1486.31
29	Packer Stub	0.76	1487.07
30	Packer # 104086	1.87	1488.94
31	DDST [Drag Spring] # 132925	2.65	1491.59
32	Recorder AK1 # 1937	1.80	1493.39
33	Blank Off Sub	0.30	1493.69
34	Recorder AK1 # 2105	1.80	1495.49
35	Bullnose	0.91	1496.40

BOTTOMHOLE PRESSURE PLOT

FIELD REPORT NO. : 301215BI
INSTRUMENT NO. : SM # 50115
DEPTH : 1479.26 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : Outside

COMPANY : PETRO CANADA INC.
WELL : PCI SWEDE E-02
DST# : TWO

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]

Y-AXIS = BOTTOMHOLE PRESSURE [KPA (ABS)]

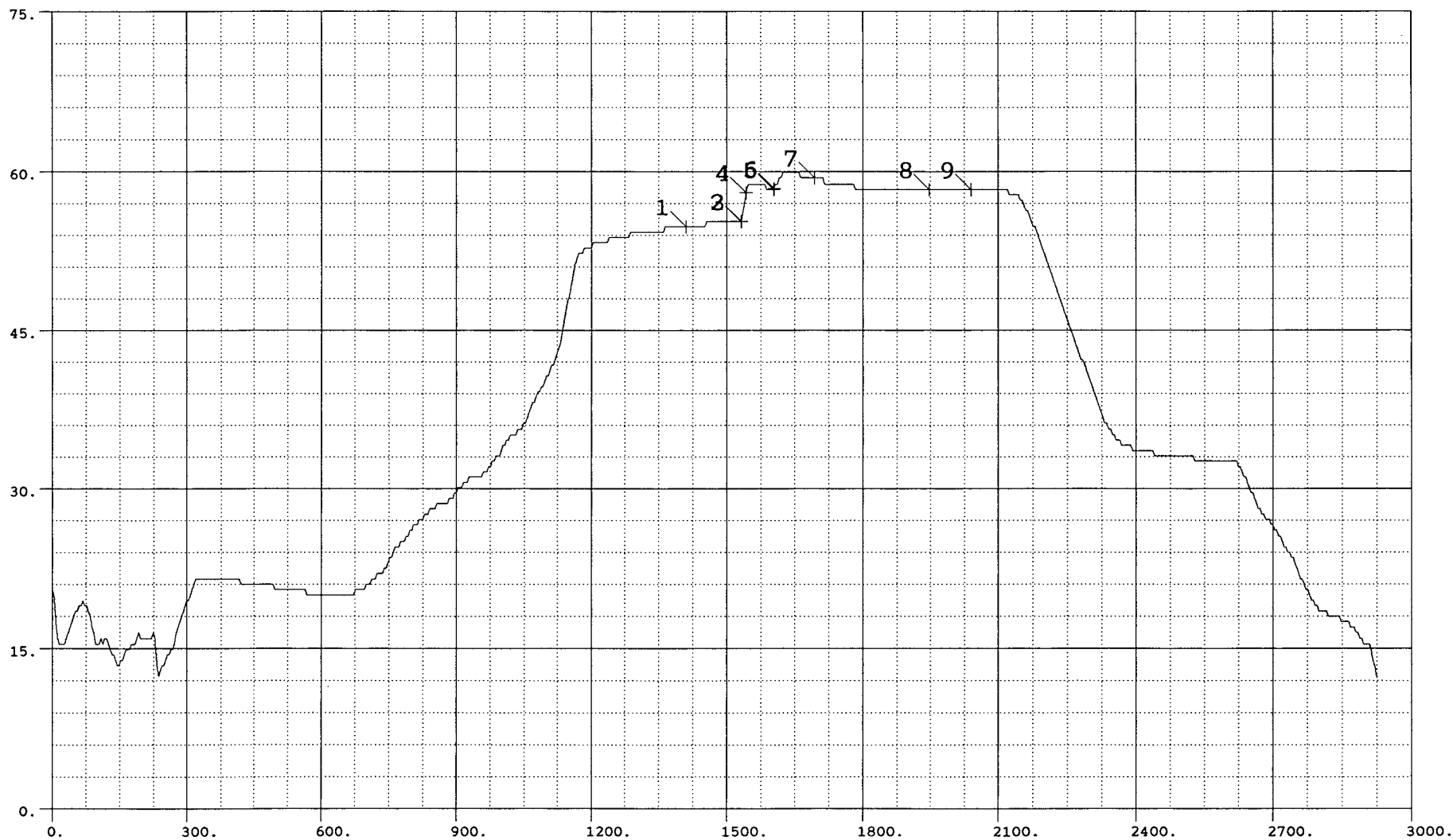
X-AXIS

BOTTOMHOLE TEMPERATURE PLOT

FIELD REPORT NO. : 301215BI
INSTRUMENT NO. : SM # 50115
DEPTH : 1479.26 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : Outside

COMPANY : PETRO CANADA INC.
WELL : PCI SWEDE E-02
DST# : TWO

Y-AXIS

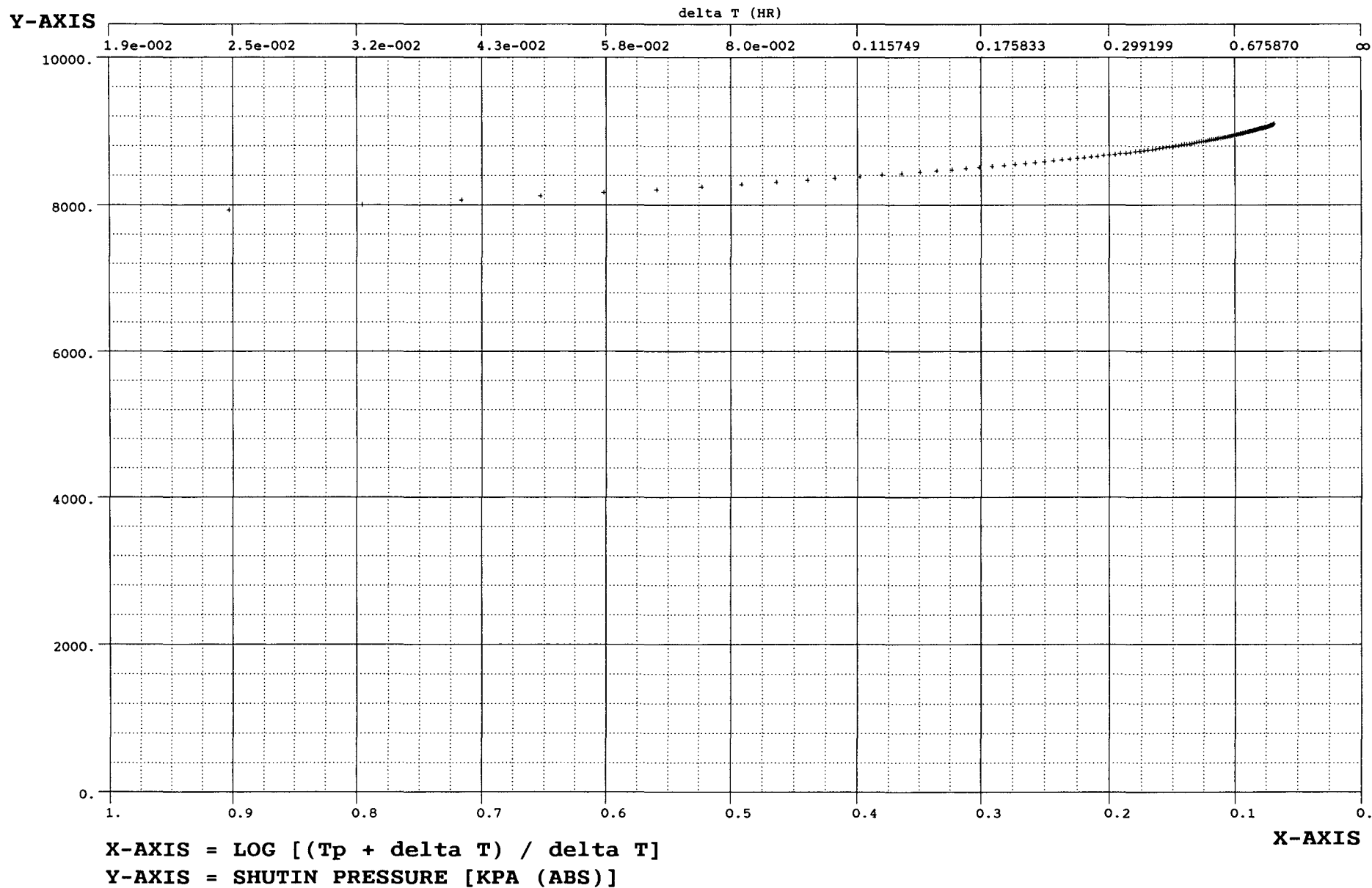


X-AXIS = ELAPSED TIME [MIN]
Y-AXIS = BOTTOMHOLE TEMPERATURE [CEL]

H O R N P L O T

FIELD REPORT#: 301215BI
INSTRUMENT#: SM # 50115
ELAPSED TIME RANGE: 1542.5 - 1604. MIN.
Delta T TIME RANGE: 8.3e-003 - 1.025 HR.
PRODUCING TIME [Tp]: 0.175 HR.

COMPANY: PETRO CANADA INC.
WELL: PCI SWEDE E-02
SHUTIN#: ONE
DST#: TWO

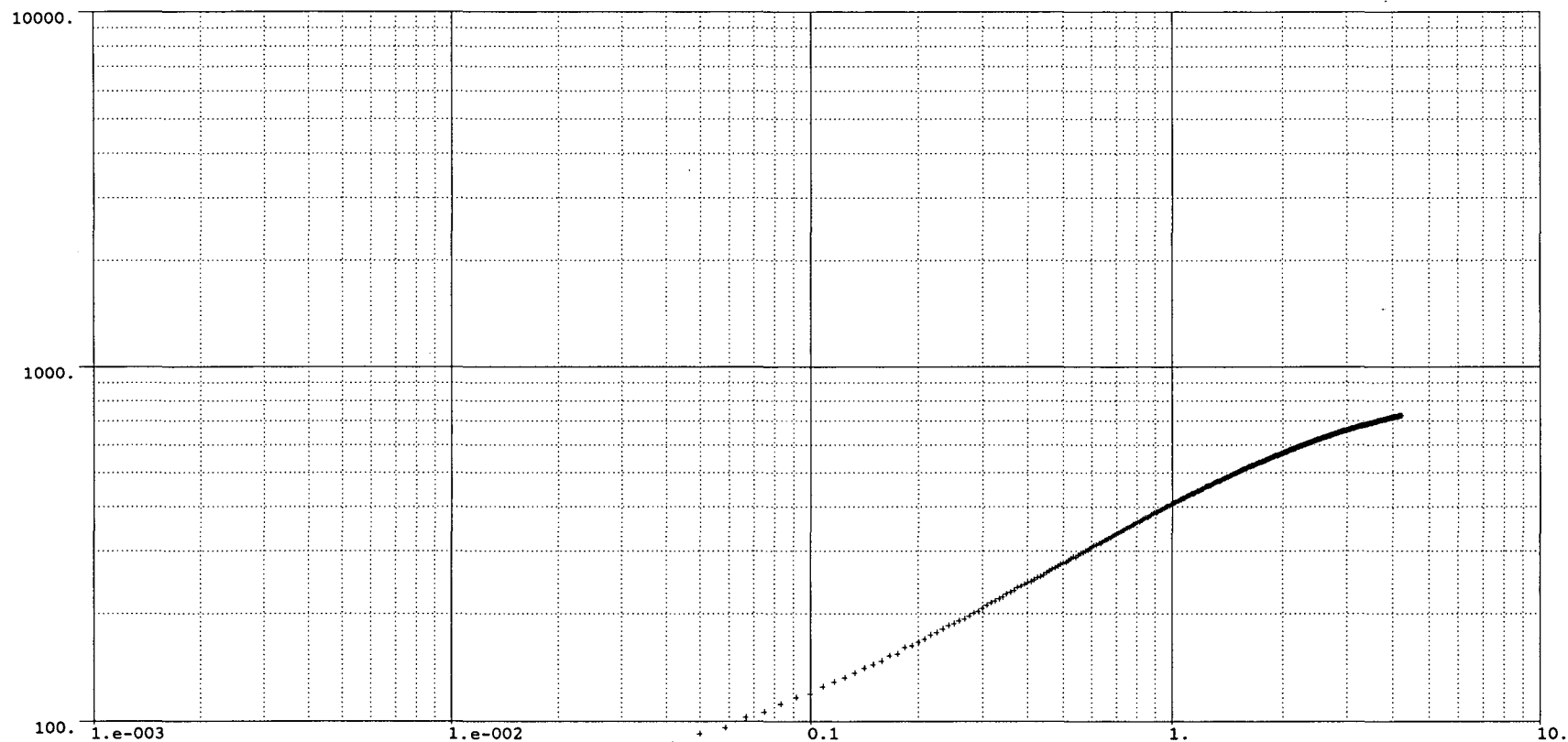


LOG - LOG PLOT

FIELD REPORT#: 301215BI
INSTRUMENT#: SM # 50115
ELAPSED TIME RANGE: 1694. - 1948. MIN.
Delta_T TIME RANGE: 8.3e-003 - 4.233333 HR.

COMPANY: PETRO CANADA INC.
WELL: PCI SWEDE E-02
SHUTIN#: TWO
DST#: TWO

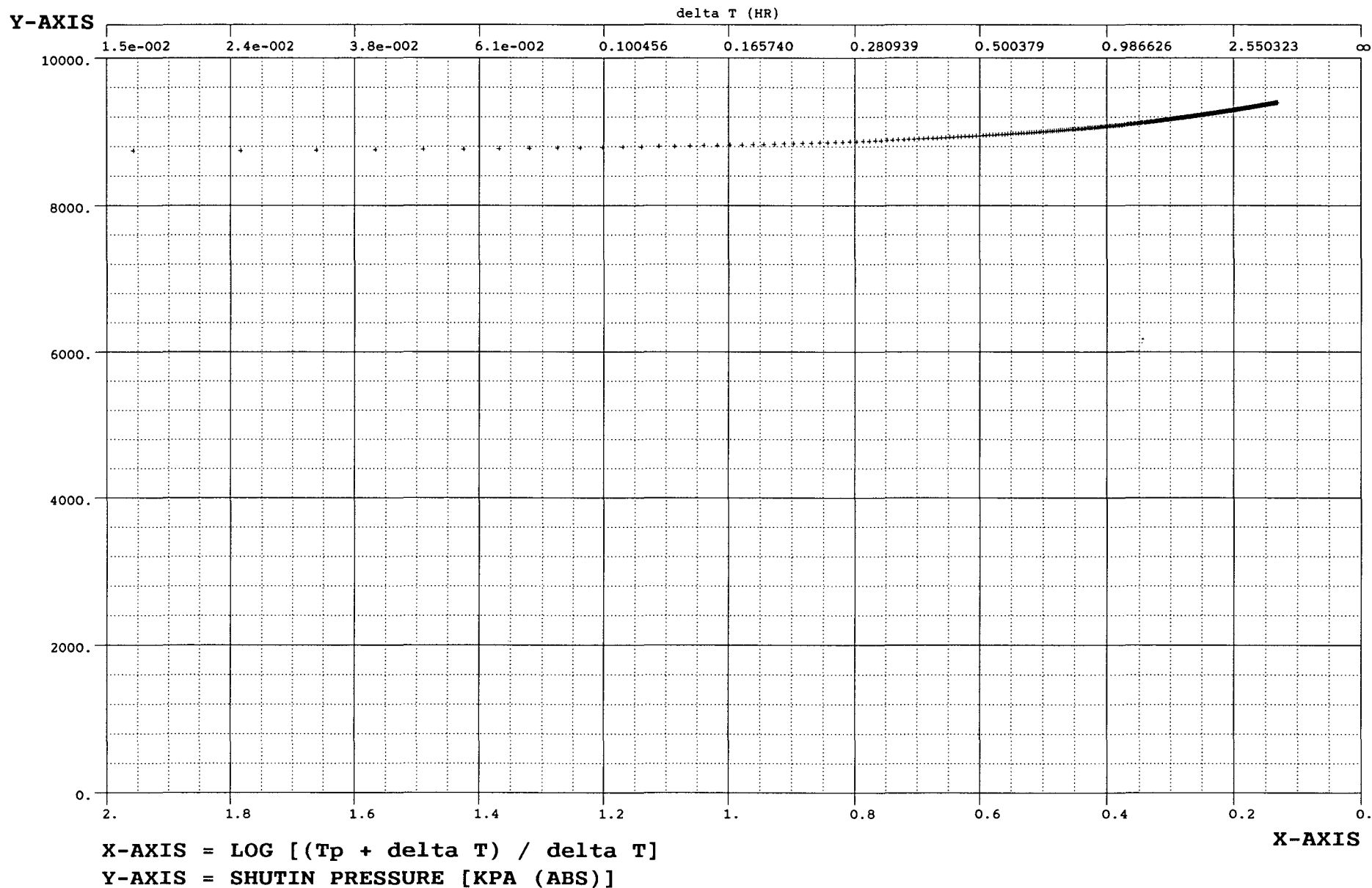
Y-AXIS



X-AXIS = delta T (HR)
Y-AXIS = delta P (KPA)

FIELD REPORT#: 301215BI
INSTRUMENT#: SM # 50115
ELAPSED TIME RANGE: 1694. - 1948. MIN.
Delta T TIME RANGE: 8.3e-003 - 4.233333 HR.
PRODUCING TIME [Tp]: 1.491666667 HR.

COMPANY: PETRO CANADA INC.
WELL: PCI SWEDE E-02
SHUTIN#: TWO
DST#: TWO



TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1.0	89.6	20.4	41.0	89.6	17.1	81.0	89.6	18.3	121.0	89.6	15.8
1.5	89.6	20.3	41.5	89.6	17.1	81.5	89.6	18.3	121.5	89.6	15.8
2.0	89.6	20.2	42.0	89.6	17.2	82.0	89.6	18.2	122.0	89.6	15.7
2.5	89.6	20.2	42.5	89.6	17.3	82.5	89.6	18.2	122.5	89.6	15.6
3.0	89.6	20.1	43.0	89.6	17.3	83.0	89.6	18.1	123.0	89.6	15.6
3.5	89.6	20.1	43.5	89.6	17.4	83.5	89.6	18.0	123.5	89.6	15.5
4.0	89.6	20.0	44.0	89.6	17.5	84.0	89.6	18.0	124.0	89.6	15.4
4.5	89.6	19.7	44.5	89.6	17.5	84.5	89.6	17.8	124.5	89.6	15.4
5.0	89.6	19.4	45.0	89.6	17.6	85.0	89.6	17.7	125.0	89.6	15.3
5.5	95.8	19.0	45.5	89.6	17.7	85.5	89.6	17.6	125.5	89.6	15.3
6.0	89.6	18.7	46.0	89.6	17.7	86.0	89.6	17.5	126.0	89.6	15.2
6.5	96.5	18.4	46.5	89.6	17.8	86.5	89.6	17.3	126.5	89.6	15.1
7.0	89.6	18.1	47.0	89.6	17.8	87.0	89.6	17.2	127.0	89.6	15.1
7.5	89.6	17.8	47.5	89.6	17.9	87.5	89.6	17.1	127.5	89.6	15.0
8.0	89.6	17.5	48.0	89.6	18.0	88.0	89.6	17.0	128.0	89.6	14.9
8.5	89.6	17.3	48.5	89.6	18.0	88.5	89.6	16.9	128.5	89.6	14.9
9.0	89.6	17.1	49.0	89.6	18.1	89.0	89.6	16.8	129.0	89.6	14.8
9.5	89.6	16.9	49.5	89.6	18.2	89.5	89.6	16.8	129.5	89.6	14.7
10.0	89.6	16.7	50.0	89.6	18.2	90.0	89.6	16.7	130.0	89.6	14.7
10.5	89.6	16.5	50.5	89.6	18.3	90.5	89.6	16.6	130.5	89.6	14.6
11.0	89.6	16.3	51.0	89.6	18.3	91.0	89.6	16.6	131.0	89.6	14.6
11.5	89.6	16.1	51.5	89.6	18.4	91.5	89.6	16.5	131.5	89.6	14.5
12.0	89.6	15.9	52.0	89.6	18.5	92.0	89.6	16.5	132.0	89.6	14.4
12.5	89.6	15.9	52.5	89.6	18.5	92.5	89.6	16.3	132.5	89.6	14.4
13.0	89.6	15.8	53.0	89.6	18.5	93.0	89.6	16.2	133.0	89.6	14.4
13.5	89.6	15.8	53.5	89.6	18.5	93.5	89.6	16.1	133.5	89.6	14.4
14.0	89.6	15.7	54.0	89.6	18.5	94.0	89.6	15.9	134.0	89.6	14.4
14.5	89.6	15.6	54.5	89.6	18.5	94.5	89.6	15.8	134.5	89.6	14.4
15.0	89.6	15.6	55.0	89.6	18.5	95.0	89.6	15.7	135.0	89.6	14.4
15.5	89.6	15.5	55.5	89.6	18.5	95.5	89.6	15.6	135.5	89.6	14.4
16.0	89.6	15.4	56.0	89.6	18.5	96.0	89.6	15.4	136.0	89.6	14.4
16.5	89.6	15.4	56.5	89.6	18.5	96.5	89.6	15.4	136.5	89.6	14.4
17.0	89.6	15.4	57.0	89.6	18.6	97.0	89.6	15.4	137.0	89.6	14.3
17.5	89.6	15.4	57.5	89.6	18.7	97.5	89.6	15.4	137.5	89.6	14.2
18.0	89.6	15.4	58.0	89.6	18.7	98.0	89.6	15.4	138.0	89.6	14.2
18.5	89.6	15.4	58.5	89.6	18.8	98.5	89.6	15.4	138.5	89.6	14.1
19.0	89.6	15.4	59.0	89.6	18.9	99.0	89.6	15.4	139.0	89.6	14.1
19.5	89.6	15.4	59.5	89.6	18.9	99.5	89.6	15.4	139.5	89.6	14.0
20.0	89.6	15.4	60.0	89.6	19.0	100.0	89.6	15.4	140.0	89.6	13.9
20.5	89.6	15.4	60.5	89.6	19.0	100.5	89.6	15.4	140.5	89.6	13.9
21.0	89.6	15.4	61.0	89.6	19.0	101.0	89.6	15.4	141.0	89.6	13.8
21.5	89.6	15.4	61.5	89.6	19.0	101.5	89.6	15.4	141.5	89.6	13.7
22.0	89.6	15.4	62.0	89.6	19.0	102.0	89.6	15.4	142.0	89.6	13.7
22.5	89.6	15.4	62.5	89.6	19.0	102.5	89.6	15.4	142.5	89.6	13.6
23.0	89.6	15.4	63.0	89.6	19.0	103.0	89.6	15.4	143.0	89.6	13.5
23.5	89.6	15.4	63.5	89.6	19.0	103.5	89.6	15.4	143.5	89.6	13.5
24.0	89.6	15.4	64.0	89.6	19.0	104.0	89.6	15.4	144.0	89.6	13.4
24.5	89.6	15.4	64.5	89.6	19.0	104.5	89.6	15.5	144.5	89.6	13.4
25.0	89.6	15.4	65.0	89.6	19.1	105.0	89.6	15.6	145.0	89.6	13.4
25.5	89.6	15.4	65.5	89.6	19.2	105.5	89.6	15.6	145.5	89.6	13.4
26.0	89.6	15.4	66.0	89.6	19.2	106.0	89.6	15.7	146.0	89.6	13.4
26.5	89.6	15.4	66.5	89.6	19.3	106.5	89.6	15.8	146.5	89.6	13.4
27.0	89.6	15.4	67.0	89.6	19.4	107.0	89.6	15.8	147.0	89.6	13.4
27.5	89.6	15.4	67.5	89.6	19.4	107.5	89.6	15.9	147.5	89.6	13.4
28.0	89.6	15.4	68.0	89.6	19.5	108.0	89.6	15.9	148.0	89.6	13.4
28.5	89.6	15.5	68.5	89.6	19.4	108.5	89.6	15.9	148.5	89.6	13.5
29.0	89.6	15.6	69.0	89.6	19.4	109.0	89.6	15.8	149.0	89.6	13.5
29.5	89.6	15.6	69.5	89.6	19.3	109.5	89.6	15.8	149.5	89.6	13.6
30.0	89.6	15.7	70.0	89.6	19.2	110.0	89.6	15.7	150.0	89.6	13.7
30.5	89.6	15.8	70.5	89.6	19.2	110.5	89.6	15.6	150.5	89.6	13.7
31.0	89.6	15.8	71.0	89.6	19.1	111.0	89.6	15.6	151.0	89.6	13.8
31.5	89.6	15.9	71.5	89.6	19.0	111.5	89.6	15.5	151.5	89.6	13.9
32.0	89.6	15.9	72.0	89.6	19.0	112.0	89.6	15.4	152.0	89.6	13.9
32.5	89.6	16.0	72.5	89.6	19.0	112.5	89.6	15.5	152.5	89.6	13.9
33.0	89.6	16.1	73.0	89.6	19.0	113.0	89.6	15.6	153.0	89.6	13.9
33.5	89.6	16.1	73.5	89.6	19.0	113.5	89.6	15.6	153.5	89.6	13.9
34.0	89.6	16.2	74.0	89.6	19.0	114.0	89.6	15.7	154.0	89.6	13.9
34.5	89.6	16.3	74.5	89.6	19.0	114.5	89.6	15.8	154.5	89.6	13.9
35.0	89.6	16.3	75.0	89.6	19.0	115.0	89.6	15.8	155.0	89.6	13.9
35.5	89.6	16.4	75.5	89.6	19.0	115.5	89.6	15.9	155.5	89.6	13.9
36.0	89.6	16.5	76.0	89.6	19.0	116.0	89.6	15.9	156.0	89.6	13.9
36.5	89.6	16.5	76.5	89.6	18.9	116.5	89.6	15.9	156.5	89.6	14.0
37.0	89.6	16.6	77.0	89.6	18.9	117.0	89.6	15.9	157.0	89.6	14.1
37.5	89.6	16.6	77.5	89.6	18.8	117.5	89.6	15.9	157.5	89.6	14.1
38.0	89.6	16.7	78.0	89.6	18.7	118.0	89.6	15.9	158.0	89.6	14.2
38.5	89.6	16.8	78.5	89.6	18.7	118.5	89.6	15.9	158.5	89.6	14.2
39.0	89.6	16.8	79.0	89.6	18.6	119.0	89.6	15.9	159.0	89.6	14.3
39.5	89.6	16.9	79.5	89.6	18.5	119.5	89.6	15.9	159.5	89.6	14.4
40.0	89.6	17.0	80.0	89.6	18.5	120.0	89.6	15.9	160.0	89.6	14.4
40.5	89.6	17.0	80.5	89.6	18.4	120.5	89.6	15.9	160.5	89.6	14.5

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
161.0	89.6	14.6	201.0	89.6	15.9	241.0	171.6	13.0	281.0	248.8	17.1
161.5	89.6	14.6	201.5	89.6	15.9	241.5	171.6	13.1	281.5	248.2	17.1
162.0	89.6	14.7	202.0	89.6	15.9	242.0	170.9	13.2	282.0	246.8	17.2
162.5	89.6	14.7	202.5	89.6	15.9	242.5	170.9	13.2	282.5	247.5	17.3
163.0	89.6	14.8	203.0	89.6	15.9	243.0	170.2	13.3	283.0	247.5	17.3
163.5	89.6	14.9	203.5	89.6	15.9	243.5	170.2	13.4	283.5	248.2	17.4
164.0	89.6	14.9	204.0	89.6	15.9	244.0	170.2	13.4	284.0	247.5	17.5
164.5	89.6	14.9	204.5	89.6	15.9	244.5	170.2	13.4	284.5	247.5	17.5
165.0	89.6	14.9	205.0	89.6	15.9	245.0	169.6	13.4	285.0	248.8	17.6
165.5	89.6	14.9	205.5	89.6	15.9	245.5	168.9	13.4	285.5	247.5	17.7
166.0	89.6	14.9	206.0	89.6	15.9	246.0	170.2	13.4	286.0	248.2	17.7
166.5	89.6	14.9	206.5	89.6	15.9	246.5	170.2	13.4	286.5	248.2	17.8
167.0	89.6	14.9	207.0	89.6	15.9	247.0	169.6	13.4	287.0	248.2	17.8
167.5	89.6	14.9	207.5	89.6	15.9	247.5	170.9	13.4	287.5	248.8	17.9
168.0	89.6	14.9	208.0	89.6	15.9	248.0	170.9	13.4	288.0	248.2	18.0
168.5	89.6	14.9	208.5	89.6	15.9	248.5	170.2	13.5	288.5	244.7	18.0
169.0	89.6	14.9	209.0	89.6	15.9	249.0	170.2	13.5	289.0	270.9	18.1
169.5	89.6	14.9	209.5	89.6	15.9	249.5	170.2	13.6	289.5	270.9	18.2
170.0	89.6	14.9	210.0	89.6	15.9	250.0	168.9	13.7	290.0	270.2	18.2
170.5	89.6	14.9	210.5	89.6	15.9	250.5	169.6	13.7	290.5	270.2	18.3
171.0	89.6	14.9	211.0	89.6	15.9	251.0	170.2	13.8	291.0	270.9	18.3
171.5	89.6	14.9	211.5	89.6	15.9	251.5	169.6	13.9	291.5	268.8	18.4
172.0	89.6	14.9	212.0	89.6	15.9	252.0	169.6	13.9	292.0	270.9	18.5
172.5	89.6	15.0	212.5	89.6	15.9	252.5	169.6	14.0	292.5	270.2	18.5
173.0	89.6	15.1	213.0	89.6	15.9	253.0	170.2	14.1	293.0	270.9	18.6
173.5	89.6	15.1	213.5	89.6	15.9	253.5	169.6	14.1	293.5	271.6	18.7
174.0	89.6	15.2	214.0	89.6	15.9	254.0	168.9	14.2	294.0	270.9	18.7
174.5	89.6	15.3	214.5	89.6	15.9	254.5	168.9	14.2	294.5	270.2	18.8
175.0	89.6	15.3	215.0	89.6	15.9	255.0	170.2	14.3	295.0	269.5	18.9
175.5	89.6	15.4	215.5	89.6	15.9	255.5	169.6	14.4	295.5	268.8	18.9
176.0	89.6	15.4	216.0	89.6	15.9	256.0	169.6	14.4	296.0	270.2	19.0
176.5	89.6	15.4	216.5	89.6	15.9	256.5	169.6	14.4	296.5	270.9	19.0
177.0	89.6	15.4	217.0	89.6	15.9	257.0	168.9	14.4	297.0	270.2	19.1
177.5	89.6	15.4	217.5	89.6	15.9	257.5	169.6	14.4	297.5	270.2	19.2
178.0	89.6	15.4	218.0	89.6	15.9	258.0	168.9	14.4	298.0	269.5	19.2
178.5	89.6	15.4	218.5	89.6	15.9	258.5	170.2	14.4	298.5	271.6	19.3
179.0	89.6	15.4	219.0	89.6	15.9	259.0	169.6	14.4	299.0	268.8	19.4
179.5	89.6	15.4	219.5	89.6	15.9	259.5	169.6	14.4	299.5	269.5	19.4
180.0	89.6	15.4	220.0	89.6	15.9	260.0	169.6	14.4	300.0	270.2	19.5
180.5	89.6	15.4	220.5	89.6	16.0	260.5	169.6	14.5	300.5	269.5	19.5
181.0	89.6	15.4	221.0	89.6	16.1	261.0	168.9	14.6	301.0	268.8	19.5
181.5	89.6	15.4	221.5	89.6	16.1	261.5	168.9	14.6	301.5	270.2	19.5
182.0	89.6	15.4	222.0	89.6	16.2	262.0	168.9	14.7	302.0	269.5	19.5
182.5	89.6	15.4	222.5	89.6	16.3	262.5	168.2	14.7	302.5	270.2	19.5
183.0	89.6	15.4	223.0	89.6	16.3	263.0	168.9	14.8	303.0	269.5	19.5
183.5	89.6	15.4	223.5	89.6	16.4	263.5	168.9	14.9	303.5	270.2	19.5
184.0	89.6	15.4	224.0	89.6	16.5	264.0	168.9	14.9	304.0	269.5	19.5
184.5	89.6	15.5	224.5	89.6	16.4	264.5	169.6	14.9	304.5	269.5	19.5
185.0	89.6	15.6	225.0	89.6	16.3	265.0	169.6	14.9	305.0	269.5	19.6
185.5	89.6	15.6	225.5	89.6	16.3	265.5	169.6	14.9	305.5	273.7	19.7
186.0	89.6	15.7	226.0	89.6	16.2	266.0	168.9	14.9	306.0	273.0	19.7
186.5	89.6	15.8	226.5	89.6	16.1	266.5	169.6	14.9	306.5	273.0	19.8
187.0	89.6	15.8	227.0	89.6	16.1	267.0	167.5	14.9	307.0	486.0	19.9
187.5	89.6	15.9	227.5	89.6	16.0	267.5	167.5	14.9	307.5	559.1	19.9
188.0	89.6	15.9	228.0	89.6	15.9	268.0	169.6	14.9	308.0	566.7	20.0
188.5	89.6	16.0	228.5	89.6	15.6	268.5	164.0	15.0	308.5	566.0	20.1
189.0	89.6	16.1	229.0	89.6	15.3	269.0	191.6	15.1	309.0	566.0	20.1
189.5	89.6	16.1	229.5	89.6	15.0	269.5	188.9	15.1	309.5	566.7	20.2
190.0	89.6	16.2	230.0	89.6	14.7	270.0	205.4	15.2	310.0	567.4	20.2
190.5	89.6	16.3	230.5	89.6	14.4	270.5	206.8	15.3	310.5	566.0	20.3
191.0	89.6	16.3	231.0	89.6	14.1	271.0	206.1	15.3	311.0	566.7	20.4
191.5	89.6	16.4	231.5	89.6	13.7	271.5	215.8	15.4	311.5	566.7	20.4
192.0	89.6	16.5	232.0	115.1	13.4	272.0	216.4	15.4	312.0	566.7	20.5
192.5	89.6	16.4	232.5	120.6	13.3	272.5	216.4	15.6	312.5	566.7	20.6
193.0	89.6	16.3	233.0	122.7	13.2	273.0	216.4	15.7	313.0	568.1	20.6
193.5	89.6	16.3	233.5	131.6	13.0	273.5	215.1	15.8	313.5	566.0	20.7
194.0	89.6	16.2	234.0	129.6	12.9	274.0	215.8	15.9	314.0	561.2	20.7
194.5	89.6	16.1	234.5	131.6	12.8	274.5	216.4	16.1	314.5	912.1	20.8
195.0	89.6	16.1	235.0	145.4	12.7	275.0	213.0	16.2	315.0	871.4	20.9
195.5	89.6	16.0	235.5	141.3	12.5	275.5	226.1	16.3	315.5	870.1	20.9
196.0	89.6	15.9	236.0	149.6	12.4	276.0	237.8	16.5	316.0	869.4	21.0
196.5	89.6	15.9	236.5	155.8	12.5	276.5	237.8	16.5	316.5	869.4	21.1
197.0	89.6	15.9	237.0	155.8	12.5	277.0	238.5	16.6	317.0	872.1	21.1
197.5	89.6	15.9	237.5	162.0	12.6	277.5	237.1	16.6	317.5	870.8	21.2
198.0	89.6	15.9	238.0	168.9	12.7	278.0	237.8	16.7	318.0	870.1	21.3
198.5	89.6	15.9	238.5	170.2	12.7	278.5	244.7	16.8	318.5	870.1	21.3
199.0	89.6	15.9	239.0	172.3	12.8	279.0	248.2	16.8	319.0	870.8	21.4
199.5	89.6	15.9	239.5	171.6	12.9	279.5	248.2	16.9	319.5	1154.1	21.4
200.0	89.6	15.9	240.0	172.3	12.9	280.0	248.2	17.0	320.0	1158.9	21.5
200.5	89.6	15.9	240.5	170.9	13.0	280.5	247.5	17.0	320.5	1158.3	21.5

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
321.0	1159.6	21.5	361.0	2186.3	21.5	401.0	2368.3	21.5	441.0	2366.2	21.0
321.5	1158.9	21.5	361.5	2203.5	21.5	401.5	2368.3	21.5	441.5	2365.5	21.0
322.0	1158.9	21.5	362.0	2204.2	21.5	402.0	2369.0	21.5	442.0	2365.5	21.0
322.5	1159.6	21.5	362.5	2215.9	21.5	402.5	2369.0	21.5	442.5	2366.2	21.0
323.0	1159.6	21.5	363.0	2216.6	21.5	403.0	2368.3	21.5	443.0	2365.5	21.0
323.5	1158.9	21.5	363.5	2239.3	21.5	403.5	2368.3	21.5	443.5	2364.8	21.0
324.0	1159.6	21.5	364.0	2238.0	21.5	404.0	2366.9	21.5	444.0	2365.5	21.0
324.5	1158.3	21.5	364.5	2205.6	21.5	404.5	2366.9	21.5	444.5	2364.8	21.0
325.0	1160.3	21.5	365.0	2207.6	21.5	405.0	2368.3	21.5	445.0	2364.8	21.0
325.5	1559.5	21.5	365.5	2246.9	21.5	405.5	2369.0	21.5	445.5	2366.2	21.0
326.0	1433.4	21.5	366.0	2369.0	21.5	406.0	2369.7	21.5	446.0	2365.5	21.0
326.5	1432.0	21.5	366.5	2371.0	21.5	406.5	2368.3	21.5	446.5	2365.5	21.0
327.0	1433.4	21.5	367.0	2369.7	21.5	407.0	2368.3	21.5	447.0	2364.8	21.0
327.5	1432.7	21.5	367.5	2370.3	21.5	407.5	2369.7	21.5	447.5	2364.8	21.0
328.0	1434.0	21.5	368.0	2371.0	21.5	408.0	2369.0	21.5	448.0	2366.2	21.0
328.5	1434.0	21.5	368.5	2373.1	21.5	408.5	2369.0	21.5	448.5	2365.5	21.0
329.0	1433.4	21.5	369.0	2371.0	21.5	409.0	2368.3	21.5	449.0	2365.5	21.0
329.5	1432.7	21.5	369.5	2370.3	21.5	409.5	2368.3	21.5	449.5	2365.5	21.0
330.0	1432.7	21.5	370.0	2370.3	21.5	410.0	2368.3	21.5	450.0	2366.9	21.0
330.5	1433.4	21.5	370.5	2371.0	21.5	410.5	2368.3	21.5	450.5	2366.9	21.0
331.0	1434.0	21.5	371.0	2371.0	21.5	411.0	2368.3	21.5	451.0	2368.3	21.0
331.5	1631.9	21.5	371.5	2371.7	21.5	411.5	2369.0	21.5	451.5	2367.6	21.0
332.0	1726.4	21.5	372.0	2370.3	21.5	412.0	2369.0	21.5	452.0	2367.6	21.0
332.5	1727.8	21.5	372.5	2370.3	21.5	412.5	2368.3	21.5	452.5	2366.9	21.0
333.0	1726.4	21.5	373.0	2371.7	21.5	413.0	2368.3	21.5	453.0	2366.9	21.0
333.5	1727.8	21.5	373.5	2370.3	21.5	413.5	2369.7	21.5	453.5	2367.6	21.0
334.0	1727.8	21.5	374.0	2371.0	21.5	414.0	2369.7	21.5	454.0	2366.9	21.0
334.5	1727.1	21.5	374.5	2369.7	21.5	414.5	2369.0	21.5	454.5	2366.2	21.0
335.0	1727.8	21.5	375.0	2370.3	21.5	415.0	2368.3	21.5	455.0	2366.9	21.0
335.5	1727.8	21.5	375.5	2369.7	21.5	415.5	2369.7	21.5	455.5	2366.9	21.0
336.0	1727.1	21.5	376.0	2371.0	21.5	416.0	2368.3	21.5	456.0	2367.6	21.0
336.5	1726.4	21.5	376.5	2371.0	21.5	416.5	2337.3	21.4	456.5	2367.6	21.0
337.0	1727.8	21.5	377.0	2370.3	21.5	417.0	2367.6	21.4	457.0	2367.6	21.0
337.5	1929.1	21.5	377.5	2371.0	21.5	417.5	2366.9	21.3	457.5	2366.9	21.0
338.0	2028.4	21.5	378.0	2370.3	21.5	418.0	2366.9	21.3	458.0	2366.9	21.0
338.5	2029.1	21.5	378.5	2370.3	21.5	418.5	2367.6	21.2	458.5	2366.9	21.0
339.0	2029.1	21.5	379.0	2369.0	21.5	419.0	2366.9	21.1	459.0	2366.9	21.0
339.5	2029.7	21.5	379.5	2370.3	21.5	419.5	2366.2	21.1	459.5	2366.9	21.0
340.0	2029.1	21.5	380.0	2369.7	21.5	420.0	2366.9	21.0	460.0	2366.2	21.0
340.5	2029.7	21.5	380.5	2369.7	21.5	420.5	2366.2	21.0	460.5	2366.9	21.0
341.0	2029.7	21.5	381.0	2370.3	21.5	421.0	2366.9	21.0	461.0	2367.6	21.0
341.5	2029.1	21.5	381.5	2370.3	21.5	421.5	2366.2	21.0	461.5	2366.2	21.0
342.0	2029.7	21.5	382.0	2370.3	21.5	422.0	2366.2	21.0	462.0	2366.9	21.0
342.5	2029.7	21.5	382.5	2369.7	21.5	422.5	2366.9	21.0	462.5	2366.2	21.0
343.0	2185.6	21.5	383.0	2369.7	21.5	423.0	2366.9	21.0	463.0	2366.2	21.0
343.5	2314.5	21.5	383.5	2370.3	21.5	423.5	2366.9	21.0	463.5	2366.2	21.0
344.0	2252.4	21.5	384.0	2370.3	21.5	424.0	2366.2	21.0	464.0	2365.5	21.0
344.5	2191.1	21.5	384.5	2370.3	21.5	424.5	2366.9	21.0	464.5	2366.2	21.0
345.0	2192.5	21.5	385.0	2369.0	21.5	425.0	2366.9	21.0	465.0	2366.2	21.0
345.5	2192.5	21.5	385.5	2370.3	21.5	425.5	2366.2	21.0	465.5	2366.9	21.0
346.0	2201.4	21.5	386.0	2369.7	21.5	426.0	2366.9	21.0	466.0	2366.2	21.0
346.5	2194.5	21.5	386.5	2369.7	21.5	426.5	2366.2	21.0	466.5	2365.5	21.0
347.0	2195.2	21.5	387.0	2369.7	21.5	427.0	2366.2	21.0	467.0	2366.2	21.0
347.5	2194.5	21.5	387.5	2369.0	21.5	427.5	2366.2	21.0	467.5	2366.2	21.0
348.0	2195.9	21.5	388.0	2369.7	21.5	428.0	2366.2	21.0	468.0	2366.2	21.0
348.5	2195.9	21.5	388.5	2369.0	21.5	428.5	2366.2	21.0	468.5	2365.5	21.0
349.0	2195.2	21.5	389.0	2369.7	21.5	429.0	2365.5	21.0	469.0	2364.8	21.0
349.5	2195.9	21.5	389.5	2369.7	21.5	429.5	2366.2	21.0	469.5	2366.2	21.0
350.0	2195.9	21.5	390.0	2369.7	21.5	430.0	2366.9	21.0	470.0	2365.5	21.0
350.5	2195.9	21.5	390.5	2369.7	21.5	430.5	2366.2	21.0	470.5	2366.2	21.0
351.0	2195.2	21.5	391.0	2370.3	21.5	431.0	2365.5	21.0	471.0	2366.2	21.0
351.5	2195.2	21.5	391.5	2369.7	21.5	431.5	2366.9	21.0	471.5	2364.8	21.0
352.0	2195.9	21.5	392.0	2369.0	21.5	432.0	2366.2	21.0	472.0	2365.5	21.0
352.5	2195.9	21.5	392.5	2369.0	21.5	432.5	2366.2	21.0	472.5	2365.5	21.0
353.0	2195.2	21.5	393.0	2369.7	21.5	433.0	2365.5	21.0	473.0	2366.2	21.0
353.5	2195.9	21.5	393.5	2369.7	21.5	433.5	2365.5	21.0	473.5	2366.2	21.0
354.0	2195.2	21.5	394.0	2369.7	21.5	434.0	2366.2	21.0	474.0	2366.2	21.0
354.5	2195.2	21.5	394.5	2369.7	21.5	434.5	2365.5	21.0	474.5	2366.2	21.0
355.0	2195.9	21.5	395.0	2369.0	21.5	435.0	2365.5	21.0	475.0	2365.5	21.0
355.5	2195.9	21.5	395.5	2369.7	21.5	435.5	2365.5	21.0	475.5	2365.5	21.0
356.0	2195.9	21.5	396.0	2369.7	21.5	436.0	2366.2	21.0	476.0	2366.2	21.0
356.5	2195.9	21.5	396.5	2369.0	21.5	436.5	2365.5	21.0	476.5	2366.2	21.0
357.0	2195.2	21.5	397.0	2369.0	21.5	437.0	2365.5	21.0	477.0	2366.2	21.0
357.5	2194.5	21.5	397.5	2369.7	21.5	437.5	2365.5	21.0	477.5	2365.5	21.0
358.0	2193.8	21.5	398.0	2369.7	21.5	438.0	2365.5	21.0	478.0	2364.8	21.0
358.5	2194.5	21.5	398.5	2368.3	21.5	438.5	2365.5	21.0	478.5	2366.2	21.0
359.0	2195.2	21.5	399.0	2369.0	21.5	439.0	2365.5	21.0	479.0	2366.2	21.0
359.5	2195.2	21.5	399.5	2368.3	21.5	439.5	2365.5	21.0	479.5	2365.5	21.0
360.0	2195.2	21.5	400.0	2369.0	21.5	440.0	2365.5	21.0	480.0	2365.5	21.0
360.5	2195.9	21.5	400.5	2369.0	21.5	440.5	2365.5	21.0	480.5	2365.5	21.0

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
481.0	2365.5	21.0	521.0	2362.8	20.5	561.0	2362.8	20.5	601.0	2361.4	20.0
481.5	2366.2	21.0	521.5	2362.8	20.5	561.5	2363.5	20.5	601.5	2362.1	20.0
482.0	2365.5	21.0	522.0	2364.1	20.5	562.0	2362.8	20.5	602.0	2361.4	20.0
482.5	2365.5	21.0	522.5	2362.1	20.5	562.5	2362.8	20.5	602.5	2361.4	20.0
483.0	2364.8	21.0	523.0	2363.5	20.5	563.0	2362.1	20.5	603.0	2361.4	20.0
483.5	2365.5	21.0	523.5	2363.5	20.5	563.5	2362.1	20.5	603.5	2361.4	20.0
484.0	2364.8	21.0	524.0	2362.8	20.5	564.0	2361.4	20.5	604.0	2362.1	20.0
484.5	2366.2	21.0	524.5	2362.1	20.5	564.5	2361.4	20.4	604.5	2361.4	20.0
485.0	2364.8	21.0	525.0	2362.8	20.5	565.0	2362.1	20.4	605.0	2360.7	20.0
485.5	2364.8	21.0	525.5	2363.5	20.5	565.5	2362.8	20.3	605.5	2362.8	20.0
486.0	2365.5	21.0	526.0	2363.5	20.5	566.0	2362.1	20.2	606.0	2360.7	20.0
486.5	2365.5	21.0	526.5	2362.1	20.5	566.5	2362.8	20.2	606.5	2361.4	20.0
487.0	2364.8	21.0	527.0	2361.4	20.5	567.0	2362.1	20.1	607.0	2361.4	20.0
487.5	2364.8	21.0	527.5	2362.8	20.5	567.5	2362.8	20.1	607.5	2361.4	20.0
488.0	2364.8	21.0	528.0	2362.8	20.5	568.0	2363.5	20.0	608.0	2361.4	20.0
488.5	2366.2	21.0	528.5	2362.1	20.5	568.5	2362.1	20.0	608.5	2362.1	20.0
489.0	2364.8	21.0	529.0	2364.1	20.5	569.0	2362.1	20.0	609.0	2363.5	20.0
489.5	2364.1	21.0	529.5	2362.1	20.5	569.5	2362.8	20.0	609.5	2361.4	20.0
490.0	2366.2	21.0	530.0	2362.8	20.5	570.0	2363.5	20.0	610.0	2360.7	20.0
490.5	2365.5	21.0	530.5	2362.1	20.5	570.5	2362.1	20.0	610.5	2362.1	20.0
491.0	2365.5	21.0	531.0	2361.4	20.5	571.0	2363.5	20.0	611.0	2361.4	20.0
491.5	2366.2	21.0	531.5	2362.1	20.5	571.5	2362.1	20.0	611.5	2360.7	20.0
492.0	2365.5	21.0	532.0	2361.4	20.5	572.0	2363.5	20.0	612.0	2360.7	20.0
492.5	2364.8	20.9	532.5	2361.4	20.5	572.5	2362.1	20.0	612.5	2359.3	20.0
493.0	2365.5	20.9	533.0	2361.4	20.5	573.0	2362.8	20.0	613.0	2362.1	20.0
493.5	2364.8	20.8	533.5	2360.7	20.5	573.5	2362.8	20.0	613.5	2362.1	20.0
494.0	2364.8	20.7	534.0	2361.4	20.5	574.0	2362.8	20.0	614.0	2362.1	20.0
494.5	2365.5	20.7	534.5	2362.1	20.5	574.5	2362.1	20.0	614.5	2361.4	20.0
495.0	2364.8	20.6	535.0	2361.4	20.5	575.0	2362.1	20.0	615.0	2360.7	20.0
495.5	2366.2	20.6	535.5	2362.1	20.5	575.5	2362.8	20.0	615.5	2361.4	20.0
496.0	2366.2	20.5	536.0	2362.1	20.5	576.0	2363.5	20.0	616.0	2361.4	20.0
496.5	2366.2	20.5	536.5	2361.4	20.5	576.5	2363.5	20.0	616.5	2358.6	20.0
497.0	2364.8	20.5	537.0	2362.8	20.5	577.0	2362.1	20.0	617.0	2357.9	20.0
497.5	2364.8	20.5	537.5	2361.4	20.5	577.5	2362.1	20.0	617.5	2360.7	20.0
498.0	2366.2	20.5	538.0	2362.1	20.5	578.0	2362.1	20.0	618.0	2362.1	20.0
498.5	2364.8	20.5	538.5	2362.1	20.5	578.5	2362.8	20.0	618.5	2362.8	20.0
499.0	2364.8	20.5	539.0	2360.7	20.5	579.0	2362.8	20.0	619.0	2362.1	20.0
499.5	2364.1	20.5	539.5	2361.4	20.5	579.5	2362.1	20.0	619.5	2362.1	20.0
500.0	2364.1	20.5	540.0	2362.1	20.5	580.0	2362.8	20.0	620.0	2360.7	20.0
500.5	2364.1	20.5	540.5	2361.4	20.5	580.5	2362.1	20.0	620.5	2360.7	20.0
501.0	2366.2	20.5	541.0	2360.7	20.5	581.0	2361.4	20.0	621.0	2361.4	20.0
501.5	2364.8	20.5	541.5	2360.7	20.5	581.5	2362.1	20.0	621.5	2361.4	20.0
502.0	2364.8	20.5	542.0	2361.4	20.5	582.0	2362.8	20.0	622.0	2362.1	20.0
502.5	2364.8	20.5	542.5	2360.7	20.5	582.5	2362.8	20.0	622.5	2361.4	20.0
503.0	2362.8	20.5	543.0	2361.4	20.5	583.0	2361.4	20.0	623.0	2362.1	20.0
503.5	2366.2	20.5	543.5	2361.4	20.5	583.5	2362.1	20.0	623.5	2359.3	20.0
504.0	2364.8	20.5	544.0	2360.7	20.5	584.0	2362.8	20.0	624.0	2361.4	20.0
504.5	2363.5	20.5	544.5	2361.4	20.5	584.5	2362.1	20.0	624.5	2361.4	20.0
505.0	2364.8	20.5	545.0	2361.4	20.5	585.0	2362.8	20.0	625.0	2359.3	20.0
505.5	2366.2	20.5	545.5	2360.7	20.5	585.5	2360.7	20.0	625.5	2357.2	20.0
506.0	2364.8	20.5	546.0	2360.7	20.5	586.0	2362.8	20.0	626.0	2357.2	20.0
506.5	2363.5	20.5	546.5	2361.4	20.5	586.5	2362.8	20.0	626.5	2357.9	20.0
507.0	2363.5	20.5	547.0	2362.8	20.5	587.0	2362.8	20.0	627.0	2358.6	20.0
507.5	2364.8	20.5	547.5	2361.4	20.5	587.5	2362.1	20.0	627.5	2358.6	20.0
508.0	2363.5	20.5	548.0	2361.4	20.5	588.0	2362.1	20.0	628.0	2362.1	20.0
508.5	2364.8	20.5	548.5	2360.7	20.5	588.5	2362.8	20.0	628.5	2360.7	20.0
509.0	2364.8	20.5	549.0	2361.4	20.5	589.0	2362.8	20.0	629.0	2496.5	20.0
509.5	2364.8	20.5	549.5	2360.7	20.5	589.5	2362.8	20.0	629.5	2476.5	20.0
510.0	2363.5	20.5	550.0	2360.0	20.5	590.0	2362.8	20.0	630.0	2482.7	20.0
510.5	2364.1	20.5	550.5	2362.1	20.5	590.5	2362.1	20.0	630.5	2483.4	20.0
511.0	2364.1	20.5	551.0	2361.4	20.5	591.0	2362.8	20.0	631.0	2482.7	20.0
511.5	2362.8	20.5	551.5	2360.0	20.5	591.5	2361.4	20.0	631.5	2482.0	20.0
512.0	2363.5	20.5	552.0	2362.1	20.5	592.0	2362.1	20.0	632.0	2483.4	20.0
512.5	2364.1	20.5	552.5	2361.4	20.5	592.5	2362.1	20.0	632.5	2482.0	20.0
513.0	2364.1	20.5	553.0	2362.8	20.5	593.0	2362.8	20.0	633.0	2482.7	20.0
513.5	2364.1	20.5	553.5	2362.8	20.5	593.5	2362.1	20.0	633.5	2484.1	20.0
514.0	2364.1	20.5	554.0	2363.5	20.5	594.0	2361.4	20.0	634.0	2483.4	20.0
514.5	2363.5	20.5	554.5	2362.8	20.5	594.5	2362.8	20.0	634.5	2482.0	20.0
515.0	2364.1	20.5	555.0	2362.1	20.5	595.0	2360.7	20.0	635.0	2483.4	20.0
515.5	2364.1	20.5	555.5	2364.1	20.5	595.5	2362.1	20.0	635.5	2482.0	20.0
516.0	2364.1	20.5	556.0	2362.1	20.5	596.0	2362.8	20.0	636.0	2482.7	20.0
516.5	2362.8	20.5	556.5	2362.1	20.5	596.5	2361.4	20.0	636.5	2482.0	20.0
517.0	2364.8	20.5	557.0	2363.5	20.5	597.0	2362.1	20.0	637.0	2482.0	20.0
517.5	2363.5	20.5	557.5	2362.8	20.5	597.5	2362.1	20.0	637.5	2482.7	20.0
518.0	2362.8	20.5	558.0	2363.5	20.5	598.0	2361.4	20.0	638.0	2483.4	20.0
518.5	2363.5	20.5	558.5	2362.1	20.5	598.5	2361.4	20.0	638.5	2482.7	20.0
519.0	2363.5	20.5	559.0	2362.1	20.5	599.0	2362.1	20.0	639.0	2611.7	20.0
519.5	2363.5	20.5	559.5	2363.5	20.5	599.5	2361.4	20.0	639.5	2593.7	20.0
520.0	2363.5	20.5	560.0	2362.1	20.5	600.0	2362.1	20.0	640.0	2593.0	20.0
520.5	2362.8	20.5	560.5	2362.1	20.5	600.5	2361.4	20.0	640.5	2595.1	20.0

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
641.0	2593.0	20.0	681.0	3127.4	20.5	721.0	4085.7	21.6	761.0	5258.5	24.2
641.5	2593.7	20.0	681.5	3128.8	20.5	721.5	4085.7	21.7	761.5	5368.2	24.2
642.0	2593.0	20.0	682.0	3128.1	20.5	722.0	4086.4	21.8	762.0	5353.7	24.3
642.5	2593.0	20.0	682.5	3127.4	20.5	722.5	4085.1	21.8	762.5	5355.1	24.3
643.0	2626.1	20.0	683.0	3238.4	20.5	723.0	4085.7	21.9	763.0	5353.0	24.4
643.5	2699.2	20.0	683.5	3240.5	20.5	723.5	4086.4	21.9	763.5	5353.0	24.5
644.0	2697.8	20.0	684.0	3237.7	20.5	724.0	4085.7	22.0	764.0	5352.3	24.5
644.5	2699.2	20.0	684.5	3239.1	20.5	724.5	4000.9	22.0	764.5	5350.9	24.5
645.0	2699.9	20.0	685.0	3237.7	20.5	725.0	4201.6	22.0	765.0	5350.9	24.5
645.5	2699.9	20.0	685.5	3237.7	20.5	725.5	4203.0	22.0	765.5	5348.9	24.5
646.0	2699.2	20.0	686.0	3238.4	20.5	726.0	4203.0	22.0	766.0	5348.9	24.5
646.5	2698.5	20.0	686.5	3341.1	20.5	726.5	4202.3	22.0	766.5	5348.2	24.5
647.0	2696.5	20.0	687.0	3351.5	20.5	727.0	4201.6	22.0	767.0	5347.5	24.5
647.5	2699.2	20.0	687.5	3348.0	20.5	727.5	4199.5	22.0	767.5	5347.5	24.5
648.0	2698.5	20.0	688.0	3347.3	20.5	728.0	4198.8	22.0	768.0	5346.8	24.5
648.5	2757.8	20.0	688.5	3348.7	20.5	728.5	4198.1	22.0	768.5	5347.5	24.5
649.0	2802.6	20.0	689.0	3345.3	20.5	729.0	4391.2	22.0	769.0	5346.1	24.5
649.5	2802.0	20.0	689.5	3347.3	20.5	729.5	4315.3	22.0	769.5	5345.4	24.5
650.0	2802.0	20.0	690.0	3479.7	20.5	730.0	4315.3	22.0	770.0	5346.8	24.5
650.5	2801.3	20.0	690.5	3450.1	20.5	730.5	4313.3	22.0	770.5	5346.1	24.5
651.0	2801.3	20.0	691.0	3449.4	20.5	731.0	4312.6	22.0	771.0	5346.1	24.5
651.5	2800.6	20.0	691.5	3448.0	20.5	731.5	4206.4	22.0	771.5	5345.4	24.5
652.0	2802.6	20.0	692.0	3448.0	20.5	732.0	4420.1	22.0	772.0	5346.1	24.5
652.5	2910.9	20.0	692.5	3448.0	20.5	732.5	4420.8	22.0	772.5	5345.4	24.6
653.0	2907.4	20.0	693.0	3410.1	20.5	733.0	4420.1	22.0	773.0	5345.4	24.7
653.5	2907.4	20.0	693.5	3557.6	20.5	733.5	4418.8	22.0	773.5	5344.0	24.7
654.0	2907.4	20.0	694.0	3559.0	20.5	734.0	4418.1	22.0	774.0	5344.0	24.8
654.5	2906.8	20.0	694.5	3557.6	20.5	734.5	4416.7	22.0	774.5	5344.7	24.9
655.0	2906.8	20.0	695.0	3556.9	20.5	735.0	4591.8	22.0	775.0	5344.7	24.9
655.5	2907.4	20.0	695.5	3556.9	20.5	735.5	4524.9	22.0	775.5	5344.0	25.0
656.0	2906.1	20.0	696.0	3556.2	20.5	736.0	4525.6	22.0	776.0	5345.4	25.0
656.5	2892.3	20.0	696.5	3556.2	20.6	736.5	4524.3	22.1	776.5	5344.0	25.0
657.0	3015.0	20.0	697.0	3630.0	20.6	737.0	4524.3	22.1	777.0	5525.4	25.0
657.5	3014.3	20.0	697.5	3654.8	20.7	737.5	4521.5	22.2	777.5	5465.4	25.0
658.0	3015.7	20.0	698.0	3670.0	20.7	738.0	4703.5	22.3	778.0	5465.4	25.0
658.5	3015.0	20.0	698.5	3669.3	20.8	738.5	4637.3	22.3	778.5	5465.4	25.0
659.0	3015.0	20.0	699.0	3669.3	20.9	739.0	4638.0	22.4	779.0	5464.7	25.0
659.5	3015.0	20.0	699.5	3667.9	20.9	739.5	4637.3	22.5	779.5	5461.9	25.0
660.0	3014.3	20.0	700.0	3667.9	21.0	740.0	4636.6	22.5	780.0	5460.6	25.0
660.5	3014.3	20.0	700.5	3803.8	21.0	740.5	4634.6	22.5	780.5	5459.9	25.0
661.0	3174.3	20.0	701.0	3771.4	21.0	741.0	4633.2	22.5	781.0	5626.0	25.0
661.5	3125.3	20.0	701.5	3770.7	21.0	741.5	4814.5	22.5	781.5	5557.8	25.0
662.0	3124.6	20.0	702.0	3772.0	21.0	742.0	4747.0	22.5	782.0	5557.8	25.0
662.5	3124.6	20.0	702.5	3771.4	21.0	742.5	4747.0	22.5	782.5	5557.1	25.0
663.0	3124.6	20.0	703.0	3770.7	21.0	743.0	4746.3	22.5	783.0	5554.3	25.0
663.5	3078.4	20.0	703.5	3770.7	21.0	743.5	4744.9	22.5	783.5	5553.6	25.0
664.0	3003.3	20.0	704.0	3769.3	21.0	744.0	4744.2	22.5	784.0	5552.9	25.0
664.5	3007.4	20.0	704.5	3704.5	21.0	744.5	4951.0	22.6	784.5	5721.2	25.1
665.0	3007.4	20.0	705.0	3879.6	21.0	745.0	4858.6	22.6	785.0	5648.1	25.2
665.5	3008.1	20.0	705.5	3879.6	21.0	745.5	4860.0	22.7	785.5	5647.4	25.2
666.0	3007.4	20.0	706.0	3879.6	21.0	746.0	4858.6	22.8	786.0	5647.4	25.3
666.5	3007.4	20.0	706.5	3878.2	21.0	746.5	4856.6	22.8	786.5	5647.4	25.4
667.0	3008.8	20.0	707.0	3799.6	21.0	747.0	4855.2	22.9	787.0	5644.6	25.4
667.5	3007.4	20.0	707.5	3986.5	21.0	747.5	4853.8	23.0	787.5	5644.0	25.5
668.0	3007.4	20.0	708.0	3987.2	21.0	748.0	4853.8	23.0	788.0	5789.4	25.5
668.5	3006.0	20.0	708.5	3987.8	21.1	748.5	4853.1	23.1	788.5	5752.2	25.5
669.0	3006.7	20.0	709.0	3986.5	21.1	749.0	5058.6	23.1	789.0	5752.2	25.5
669.5	3006.0	20.0	709.5	3985.8	21.2	749.5	4964.1	23.2	789.5	5752.2	25.5
670.0	3005.3	20.0	710.0	4097.5	21.3	750.0	4964.8	23.3	790.0	5751.5	25.5
670.5	3006.0	20.0	710.5	4097.5	21.3	750.5	4961.4	23.3	790.5	5750.1	25.5
671.0	3006.7	20.0	711.0	4096.8	21.4	751.0	4962.1	23.4	791.0	5749.4	25.5
671.5	3006.0	20.0	711.5	4096.1	21.4	751.5	4961.4	23.5	791.5	5989.4	25.5
672.0	3006.0	20.0	712.0	4094.0	21.5	752.0	5126.2	23.5	792.0	5861.1	25.5
672.5	3006.0	20.1	712.5	4093.3	21.5	752.5	5061.3	23.5	792.5	5860.4	25.6
673.0	3004.7	20.1	713.0	4094.0	21.5	753.0	5061.3	23.5	793.0	5860.4	25.7
673.5	3004.7	20.2	713.5	4092.6	21.5	753.5	5060.7	23.5	793.5	5859.1	25.7
674.0	3004.7	20.2	714.0	4092.6	21.5	754.0	5060.0	23.5	794.0	5858.4	25.8
674.5	3005.3	20.3	714.5	4092.0	21.5	754.5	5057.9	23.5	794.5	5982.5	25.9
675.0	3004.7	20.4	715.0	4092.0	21.5	755.0	5207.5	23.5	795.0	5964.6	25.9
675.5	3004.7	20.4	715.5	4091.3	21.5	755.5	5155.1	23.5	795.5	5964.6	26.0
676.0	3004.7	20.5	716.0	4090.6	21.5	756.0	5154.4	23.5	796.0	5963.2	26.1
676.5	3004.0	20.5	716.5	4089.2	21.5	756.5	5154.4	23.6	796.5	5963.9	26.1
677.0	3004.7	20.5	717.0	4089.9	21.5	757.0	5153.7	23.7	797.0	5962.5	26.1
677.5	3004.0	20.5	717.5	4089.2	21.5	757.5	5152.4	23.7	797.5	6110.0	26.1
678.0	3004.7	20.5	718.0	4087.1	21.5	758.0	5297.8	23.8	798.0	6063.1	26.1
678.5	3004.0	20.5	718.5	4087.1	21.5	758.5	5264.1	23.8	798.5	6063.1	26.1
679.0	3004.0	20.5	719.0	4087.8	21.5	759.0	5264.1	23.9	799.0	6061.8	26.1
679.5	3136.3	20.5	719.5	4087.8	21.5	759.5	5262.7	24.0	799.5	6060.4	26.1
680.0	3128.8	20.5	720.0	4086.4	21.5	760.0	5262.0	24.0	800.0	6059.7	26.1
680.5	3128.1	20.5	720.5	4086.4	21.6	760.5	5260.6	24.1	800.5	6221.7	26.1

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
801.0	6171.4	26.2	841.0	7308.3	28.1	881.0	8025.4	28.7	921.0	9265.7	30.6
801.5	6171.4	26.2	841.5	7308.3	28.1	881.5	8025.4	28.8	921.5	9266.4	30.6
802.0	6167.9	26.3	842.0	7307.6	28.1	882.0	8024.7	28.8	922.0	9265.7	30.6
802.5	6167.9	26.4	842.5	7305.6	28.1	882.5	7977.8	28.9	922.5	9266.4	30.6
803.0	6168.6	26.4	843.0	7306.3	28.1	883.0	8119.8	29.0	923.0	9264.4	30.6
803.5	6285.2	26.5	843.5	7303.5	28.1	883.5	8120.5	29.0	923.5	9264.4	30.6
804.0	6273.4	26.6	844.0	7515.9	28.1	884.0	8120.5	29.1	924.0	9263.7	30.6
804.5	6273.4	26.6	844.5	7411.8	28.1	884.5	8121.2	29.1	924.5	9263.7	30.7
805.0	6272.7	26.6	845.0	7411.1	28.1	885.0	8119.1	29.1	925.0	9264.4	30.7
805.5	6272.1	26.6	845.5	7409.7	28.1	885.5	8305.3	29.1	925.5	9263.0	30.8
806.0	6271.4	26.6	846.0	7409.7	28.1	886.0	8226.7	29.1	926.0	9262.3	30.9
806.5	6269.3	26.6	846.5	7343.5	28.1	886.5	8228.8	29.1	926.5	9261.6	30.9
807.0	6417.5	26.6	847.0	7517.9	28.1	887.0	8228.8	29.1	927.0	9262.3	31.0
807.5	6376.9	26.6	847.5	7521.4	28.1	887.5	8226.7	29.1	927.5	9261.6	31.0
808.0	6377.5	26.6	848.0	7520.0	28.1	888.0	8226.0	29.1	928.0	9260.9	31.1
808.5	6376.2	26.6	848.5	7519.3	28.1	888.5	8141.2	29.1	928.5	9260.9	31.1
809.0	6375.5	26.6	849.0	7518.6	28.1	889.0	8328.7	29.1	929.0	9261.6	31.1
809.5	6374.1	26.6	849.5	7517.9	28.1	889.5	8329.4	29.1	929.5	9260.2	31.1
810.0	6374.1	26.6	850.0	7707.5	28.1	890.0	8328.7	29.1	930.0	9260.2	31.1
810.5	6415.5	26.6	850.5	7620.7	28.1	890.5	8328.1	29.1	930.5	9260.2	31.1
811.0	6483.0	26.6	851.0	7620.7	28.1	891.0	8328.1	29.1	931.0	9259.5	31.1
811.5	6483.0	26.6	851.5	7620.7	28.1	891.5	8550.8	29.1	931.5	9259.5	31.1
812.0	6481.7	26.6	852.0	7620.0	28.1	892.0	8435.6	29.1	932.0	9258.8	31.1
812.5	6481.7	26.6	852.5	7618.6	28.1	892.5	8435.6	29.1	932.5	9257.5	31.1
813.0	6480.3	26.7	853.0	7618.6	28.2	893.0	8434.9	29.2	933.0	9258.8	31.1
813.5	6480.3	26.7	853.5	7617.9	28.3	893.5	8434.9	29.3	933.5	9257.5	31.1
814.0	6478.9	26.8	854.0	7616.5	28.3	894.0	8432.2	29.3	934.0	9257.5	31.1
814.5	6478.2	26.9	854.5	7617.2	28.4	894.5	8433.5	29.4	934.5	9256.8	31.1
815.0	6555.4	26.9	855.0	7616.5	28.5	895.0	8350.8	29.5	935.0	9256.8	31.1
815.5	6578.2	27.0	855.5	7615.8	28.5	895.5	8540.4	29.5	935.5	9256.8	31.1
816.0	6577.5	27.1	856.0	7615.1	28.6	896.0	8539.7	29.6	936.0	9256.1	31.1
816.5	6577.5	27.1	856.5	7615.1	28.6	896.5	8539.0	29.6	936.5	9256.1	31.1
817.0	6576.8	27.1	857.0	7614.5	28.6	897.0	8539.0	29.6	937.0	9256.1	31.1
817.5	6575.4	27.1	857.5	7614.5	28.6	897.5	8539.0	29.6	937.5	9256.8	31.1
818.0	6513.4	27.1	858.0	7613.8	28.6	898.0	8643.1	29.6	938.0	9255.4	31.1
818.5	6676.8	27.1	858.5	7613.1	28.6	898.5	8644.5	29.6	938.5	9254.7	31.1
819.0	6676.8	27.1	859.0	7612.4	28.6	899.0	8644.5	29.6	939.0	9254.7	31.1
819.5	6676.1	27.1	859.5	7622.0	28.6	899.5	8644.5	29.6	939.5	9255.4	31.1
820.0	6675.4	27.1	860.0	7672.4	28.6	900.0	8643.1	29.6	940.0	9254.7	31.1
820.5	6674.0	27.1	860.5	7720.6	28.6	900.5	8643.8	29.7	940.5	9255.4	31.1
821.0	6674.0	27.1	861.0	7720.6	28.6	901.0	8843.8	29.7	941.0	9254.7	31.1
821.5	6816.1	27.1	861.5	7719.9	28.6	901.5	8749.3	29.8	941.5	9254.0	31.1
822.0	6779.5	27.1	862.0	7719.9	28.6	902.0	8748.6	29.8	942.0	9254.7	31.1
822.5	6778.8	27.1	862.5	7719.3	28.6	902.5	8748.6	29.9	942.5	9253.3	31.1
823.0	6778.8	27.1	863.0	7717.9	28.6	903.0	8745.9	30.0	943.0	9253.3	31.1
823.5	6777.4	27.1	863.5	7716.5	28.6	903.5	8874.1	30.0	943.5	9254.7	31.1
824.0	6777.4	27.1	864.0	7715.8	28.6	904.0	8850.7	30.1	944.0	9254.0	31.1
824.5	6777.4	27.1	864.5	7715.8	28.6	904.5	8850.7	30.1	944.5	9253.3	31.1
825.0	6776.1	27.2	865.0	7714.4	28.6	905.0	8850.7	30.1	945.0	9252.6	31.1
825.5	6774.7	27.3	865.5	7714.4	28.6	905.5	8850.0	30.1	945.5	9253.3	31.1
826.0	6774.0	27.3	866.0	7714.4	28.6	906.0	8848.6	30.1	946.0	9254.0	31.1
826.5	6773.3	27.4	866.5	7713.7	28.6	906.5	8847.9	30.1	946.5	9253.3	31.1
827.0	6771.9	27.4	867.0	7713.1	28.6	907.0	8989.9	30.1	947.0	9253.3	31.1
827.5	6720.9	27.5	867.5	7712.4	28.6	907.5	8947.9	30.1	947.5	9254.0	31.1
828.0	6885.0	27.6	868.0	7712.4	28.6	908.0	8947.2	30.1	948.0	9254.0	31.1
828.5	6885.0	27.6	868.5	7712.4	28.6	908.5	8947.9	30.1	948.5	9252.6	31.1
829.0	6885.7	27.6	869.0	7711.7	28.6	909.0	8946.5	30.1	949.0	9253.3	31.1
829.5	6884.3	27.6	869.5	7710.3	28.6	909.5	8946.5	30.1	949.5	9252.6	31.1
830.0	6882.9	27.6	870.0	7708.9	28.6	910.0	9167.8	30.1	950.0	9251.9	31.1
830.5	6882.9	27.6	870.5	7708.9	28.6	910.5	9057.5	30.1	950.5	9251.9	31.1
831.0	6978.8	27.6	871.0	7708.2	28.6	911.0	9056.8	30.1	951.0	9251.9	31.1
831.5	6994.6	27.6	871.5	7708.2	28.6	911.5	9057.5	30.1	951.5	9252.6	31.1
832.0	6993.2	27.6	872.0	7706.8	28.6	912.0	9056.8	30.1	952.0	9253.3	31.1
832.5	6993.2	27.6	872.5	7706.8	28.6	912.5	8987.9	30.2	952.5	9530.5	31.1
833.0	6992.6	27.6	873.0	7706.8	28.6	913.0	9152.0	30.2	953.0	9379.5	31.1
833.5	6992.6	27.6	873.5	7922.0	28.6	913.5	9168.5	30.3	953.5	9378.8	31.1
834.0	6991.9	27.6	874.0	7819.2	28.6	914.0	9166.5	30.3	954.0	9378.8	31.1
834.5	7098.7	27.6	874.5	7819.9	28.6	914.5	9167.1	30.4	954.5	9376.1	31.1
835.0	7103.6	27.6	875.0	7817.9	28.6	915.0	9165.8	30.5	955.0	9376.1	31.1
835.5	7102.9	27.6	875.5	7818.5	28.6	915.5	9304.3	30.5	955.5	9375.4	31.1
836.0	7102.2	27.6	876.0	7817.2	28.6	916.0	9270.6	30.6	956.0	9550.5	31.1
836.5	7100.8	27.6	876.5	7817.2	28.6	916.5	9269.2	30.6	956.5	9486.4	31.2
837.0	7101.5	27.7	877.0	7970.9	28.6	917.0	9269.2	30.6	957.0	9485.7	31.2
837.5	7204.2	27.8	877.5	7927.5	28.6	917.5	9269.2	30.6	957.5	9485.7	31.3
838.0	7206.3	27.8	878.0	7928.9	28.6	918.0	9268.5	30.6	958.0	9484.3	31.4
838.5	7206.3	27.9	878.5	7928.2	28.6	918.5	9268.5	30.6	958.5	9594.6	31.4
839.0	7205.6	27.9	879.0	7926.1	28.6	919.0	9267.1	30.6	959.0	9587.7	31.5
839.5	7203.5	28.0	879.5	7836.5	28.6	919.5	9267.8	30.6	959.5	9587.7	31.5
840.0	7170.4	28.1	880.0	8026.1	28.6	920.0	9266.4	30.6	960.0	9586.3	31.6
840.5	7307.6	28.1	880.5	8026.8	28.6	920.5	9266.4	30.6	960.5	9586.3	31.6

TEST REFERENCE#: 301215B			FILE STARTS: 20:57:00 on February 13, 1990								
LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)											
ET	P	T	ET	P	T	ET	P	T	ET	P	T
961.0	9505.7	31.6	1001.0	11049.4	33.8	1041.0	11891.9	35.6	1081.0	13013.7	39.2
961.5	9694.6	31.6	1001.5	11048.7	33.8	1041.5	12004.3	35.6	1081.5	13127.5	39.2
962.0	9693.9	31.6	1002.0	11049.4	33.9	1042.0	11998.8	35.6	1082.0	13126.1	39.2
962.5	9694.6	31.6	1002.5	11048.0	33.9	1042.5	11997.4	35.6	1082.5	13124.0	39.2
963.0	9693.9	31.6	1003.0	10965.3	34.0	1043.0	11998.1	35.6	1083.0	13122.6	39.2
963.5	9867.0	31.6	1003.5	11154.2	34.1	1043.5	11996.7	35.6	1083.5	13121.3	39.2
964.0	9793.2	31.6	1004.0	11154.2	34.1	1044.0	11997.4	35.6	1084.0	13121.9	39.2
964.5	9793.2	31.6	1004.5	11153.5	34.1	1044.5	11996.0	35.7	1084.5	13353.6	39.2
965.0	9793.2	31.6	1005.0	11152.8	34.1	1045.0	12196.7	35.8	1085.0	13230.2	39.3
965.5	9793.2	31.6	1005.5	11152.8	34.1	1045.5	12098.8	35.8	1085.5	13230.9	39.4
966.0	10039.3	31.6	1006.0	11258.3	34.1	1046.0	12098.8	35.9	1086.0	13229.5	39.4
966.5	9900.0	31.6	1006.5	11259.0	34.1	1046.5	12098.1	36.0	1086.5	13229.5	39.5
967.0	9900.0	31.6	1007.0	11258.3	34.1	1047.0	12096.7	36.0	1087.0	13484.6	39.6
967.5	9900.0	31.6	1007.5	11259.0	34.1	1047.5	12096.7	36.1	1087.5	13330.9	39.6
968.0	9898.7	31.6	1008.0	11258.3	34.1	1048.0	12096.0	36.2	1088.0	13332.9	39.7
968.5	9898.7	31.7	1008.5	11470.7	34.2	1048.5	12347.0	36.2	1088.5	13332.9	39.7
969.0	10062.8	31.7	1009.0	11370.0	34.3	1049.0	12195.3	36.2	1089.0	13332.9	39.7
969.5	9999.3	31.8	1009.5	11368.6	34.3	1049.5	12196.0	36.2	1089.5	13412.2	39.7
970.0	9999.3	31.9	1010.0	11365.9	34.4	1050.0	12196.0	36.2	1090.0	13440.5	39.7
970.5	9998.6	31.9	1010.5	11365.2	34.5	1050.5	12196.0	36.2	1090.5	13439.8	39.7
971.0	9998.0	32.0	1011.0	11365.2	34.5	1051.0	12193.9	36.2	1091.0	13439.1	39.7
971.5	9997.3	32.1	1011.5	11363.8	34.6	1051.5	12308.4	36.2	1091.5	13726.6	39.7
972.0	10122.1	32.1	1012.0	11479.6	34.6	1052.0	12302.2	36.2	1092.0	13546.7	39.7
972.5	10105.5	32.1	1012.5	11473.4	34.6	1052.5	12301.5	36.2	1092.5	13549.4	39.8
973.0	10106.2	32.1	1013.0	11472.0	34.6	1053.0	12301.5	36.3	1093.0	13546.0	39.8
973.5	10104.8	32.1	1013.5	11472.7	34.6	1053.5	12301.5	36.3	1093.5	13545.3	39.9
974.0	10103.4	32.1	1014.0	11472.7	34.6	1054.0	12392.5	36.4	1094.0	13545.3	39.9
974.5	10104.1	32.1	1014.5	11388.6	34.6	1054.5	12411.1	36.5	1094.5	13808.7	40.0
975.0	10100.7	32.1	1015.0	11574.8	34.6	1055.0	12409.7	36.5	1095.0	13651.5	40.1
975.5	10210.3	32.1	1015.5	11574.1	34.6	1055.5	12410.4	36.6	1095.5	13651.5	40.1
976.0	10213.1	32.1	1016.0	11576.2	34.6	1056.0	12410.4	36.7	1096.0	13650.8	40.2
976.5	10211.0	32.2	1016.5	11573.4	34.7	1056.5	12651.0	36.7	1096.5	13650.8	40.3
977.0	10210.3	32.2	1017.0	11574.1	34.8	1057.0	12507.6	36.8	1097.0	13528.0	40.3
977.5	10209.6	32.3	1017.5	11572.7	34.8	1057.5	12506.9	36.8	1097.5	13754.2	40.4
978.0	10197.2	32.4	1018.0	11800.2	34.9	1058.0	12506.9	36.9	1098.0	13754.2	40.4
978.5	10308.9	32.4	1018.5	11682.3	35.0	1058.5	12506.9	37.0	1098.5	13754.9	40.5
979.0	10314.4	32.5	1019.0	11682.3	35.0	1059.0	12504.9	37.0	1099.0	13754.2	40.5
979.5	10313.0	32.6	1019.5	11681.6	35.1	1059.5	12727.6	37.1	1099.5	13954.8	40.6
980.0	10312.4	32.6	1020.0	11681.0	35.1	1060.0	12613.1	37.2	1100.0	13860.4	40.7
980.5	10310.3	32.6	1020.5	11680.3	35.1	1060.5	12612.4	37.2	1100.5	13859.0	40.7
981.0	10417.2	32.6	1021.0	11679.6	35.1	1061.0	12612.4	37.3	1101.0	13858.3	40.7
981.5	10417.8	32.6	1021.5	11679.6	35.1	1061.5	12610.4	37.4	1101.5	13856.9	40.7
982.0	10415.1	32.6	1022.0	11678.2	35.1	1062.0	12728.9	37.4	1102.0	13856.9	40.7
982.5	10415.1	32.6	1022.5	11678.2	35.1	1062.5	12719.3	37.5	1102.5	14068.6	40.7
983.0	10415.1	32.6	1023.0	11678.2	35.1	1063.0	12720.0	37.5	1103.0	13956.9	40.7
983.5	10414.4	32.6	1023.5	11677.5	35.1	1063.5	12720.7	37.6	1103.5	13956.9	40.7
984.0	10638.5	32.6	1024.0	11676.8	35.1	1064.0	12718.6	37.7	1104.0	13956.9	40.7
984.5	10530.2	32.7	1024.5	11676.8	35.1	1064.5	12718.6	37.7	1104.5	13956.9	40.8
985.0	10528.8	32.7	1025.0	11676.8	35.1	1065.0	12716.5	37.8	1105.0	14178.2	40.8
985.5	10527.5	32.8	1025.5	11675.4	35.1	1065.5	12715.2	37.9	1105.5	14062.4	40.9
986.0	10526.8	32.9	1026.0	11675.4	35.1	1066.0	12715.8	37.9	1106.0	14064.4	41.0
986.5	10524.7	32.9	1026.5	11675.4	35.1	1066.5	12855.8	38.0	1106.5	14063.1	41.0
987.0	10524.0	33.0	1027.0	11674.1	35.1	1067.0	12817.9	38.0	1107.0	14063.1	41.1
987.5	10524.0	33.1	1027.5	11673.4	35.1	1067.5	12816.5	38.1	1107.5	14061.0	41.1
988.0	10523.3	33.1	1028.0	11673.4	35.1	1068.0	12816.5	38.2	1108.0	14110.6	41.2
988.5	10520.6	33.1	1028.5	11673.4	35.1	1068.5	12815.8	38.2	1108.5	14165.8	41.3
989.0	10713.6	33.1	1029.0	11672.7	35.1	1069.0	12815.8	38.2	1109.0	14165.1	41.3
989.5	10633.0	33.1	1029.5	11672.0	35.1	1069.5	12815.1	38.2	1109.5	14163.7	41.4
990.0	10632.3	33.1	1030.0	11672.7	35.1	1070.0	12815.1	38.2	1110.0	14414.0	41.5
990.5	10631.6	33.1	1030.5	11671.3	35.1	1070.5	12814.4	38.2	1110.5	14274.0	41.5
991.0	10630.2	33.1	1031.0	11672.0	35.1	1071.0	12813.7	38.2	1111.0	14274.7	41.6
991.5	10630.2	33.1	1031.5	11672.0	35.1	1071.5	12812.4	38.2	1111.5	14272.0	41.6
992.0	10737.1	33.1	1032.0	11671.3	35.1	1072.0	12812.4	38.2	1112.0	14272.7	41.7
992.5	10738.4	33.1	1032.5	11670.6	35.2	1072.5	12811.7	38.2	1112.5	14508.5	41.7
993.0	10738.4	33.1	1033.0	11669.2	35.3	1073.0	12875.1	38.3	1113.0	14375.4	41.7
993.5	10737.8	33.1	1033.5	11669.9	35.3	1073.5	12920.6	38.4	1113.5	14374.7	41.7
994.0	10737.1	33.1	1034.0	11669.2	35.4	1074.0	12920.6	38.4	1114.0	14374.0	41.7
994.5	10853.6	33.1	1034.5	11669.2	35.5	1074.5	12919.9	38.5	1114.5	14373.3	41.7
995.0	10837.7	33.1	1035.0	11886.4	35.5	1075.0	12920.6	38.6	1115.0	14300.2	41.7
995.5	10838.4	33.1	1035.5	11791.3	35.6	1075.5	12919.2	38.6	1115.5	14474.7	41.7
996.0	10837.7	33.1	1036.0	11790.6	35.6	1076.0	12919.2	38.7	1116.0	14474.7	41.7
996.5	10837.7	33.2	1036.5	11789.9	35.6	1076.5	12831.0	38.7	1116.5	14473.3	41.8
997.0	10837.0	33.3	1037.0	11788.5	35.6	1077.0	13017.1	38.8	1117.0	14473.3	41.8
997.5	10836.3	33.3	1037.5	11788.5	35.6	1077.5	13017.8	38.9	1117.5	14473.3	41.9
998.0	10937.7	33.4	1038.0	11786.4	35.6	1078.0	13017.1	38.9	1118.0	14471.2	42.0
998.5	10940.5	33.4	1038.5	11935.4	35.6	1078.5	13017.8	39.0	1118.5	14470.5	42.0
999.0	10941.1	33.5	1039.0	11895.4	35.6	1079.0	13015.8	39.1	1119.0	14569.1	42.1
999.5	10941.1	33.6	1039.5	11896.1	35.6	1079.5	13015.1	39.1	1119.5	14568.5	42.1
1000.0	10940.5	33.6	1040.0	11895.4	35.6	1080.0	13014.4	39.2	1120.0	14567.1	42.2
1000.5	11136.3	33.7	1040.5	11893.3	35.6	1080.5	13014.4	39.2	1120.5	14567.1	42.3

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1121.0	14567.1	42.3	1161.0	16208.7	50.5	1201.0	16306.6	52.9	1241.0	16257.7	53.8
1121.5	14654.6	42.4	1161.5	16207.3	50.7	1201.5	16305.9	53.0	1241.5	16386.6	53.8
1122.0	14675.3	42.5	1162.0	16206.6	50.8	1202.0	16304.5	53.1	1242.0	16363.1	53.8
1122.5	14673.9	42.5	1162.5	16370.0	50.9	1202.5	16303.8	53.1	1242.5	16356.9	53.8
1123.0	14674.6	42.6	1163.0	16331.4	51.0	1203.0	16302.5	53.2	1243.0	16352.1	53.8
1123.5	14673.9	42.7	1163.5	16325.2	51.2	1203.5	16301.8	53.2	1243.5	16348.7	53.8
1124.0	14971.1	42.7	1164.0	16322.5	51.3	1204.0	16300.4	53.3	1244.0	16346.6	53.8
1124.5	14781.5	42.8	1164.5	16320.4	51.3	1204.5	16299.0	53.3	1244.5	16343.8	53.8
1125.0	14780.1	42.8	1165.0	16319.7	51.4	1205.0	16298.3	53.3	1245.0	16341.8	53.8
1125.5	14777.4	42.9	1165.5	16317.6	51.5	1205.5	16299.0	53.3	1245.5	16339.7	53.8
1126.0	14776.0	43.0	1166.0	16314.2	51.5	1206.0	16297.6	53.3	1246.0	16335.6	53.8
1126.5	15018.0	43.0	1166.5	16314.2	51.6	1206.5	16297.0	53.3	1246.5	16333.5	53.8
1127.0	14884.9	43.1	1167.0	16312.8	51.7	1207.0	16297.6	53.3	1247.0	16332.1	53.8
1127.5	14884.9	43.2	1167.5	16310.7	51.7	1207.5	16296.3	53.3	1247.5	16174.9	53.8
1128.0	14883.5	43.2	1168.0	16310.7	51.8	1208.0	16296.3	53.3	1248.0	16381.1	53.8
1128.5	14883.5	43.3	1168.5	16308.7	51.9	1208.5	16293.5	53.3	1248.5	16372.8	53.8
1129.0	15011.8	43.3	1169.0	16307.3	51.9	1209.0	16292.8	53.3	1249.0	16370.0	53.8
1129.5	14982.1	43.4	1169.5	16305.9	52.0	1209.5	16290.7	53.3	1249.5	16367.3	53.8
1130.0	14981.4	43.5	1170.0	16306.6	52.0	1210.0	16291.4	53.3	1250.0	16363.8	53.8
1130.5	14980.8	43.5	1170.5	16304.5	52.1	1210.5	16290.7	53.3	1250.5	16360.4	53.8
1131.0	15342.0	43.6	1171.0	16303.8	52.2	1211.0	16289.4	53.3	1251.0	16356.9	53.8
1131.5	15091.1	43.7	1171.5	16303.2	52.2	1211.5	16290.1	53.3	1251.5	16355.6	53.8
1132.0	15091.1	43.7	1172.0	16301.8	52.3	1212.0	16288.7	53.3	1252.0	16352.1	53.8
1132.5	15089.7	43.9	1172.5	16301.8	52.3	1212.5	16289.4	53.3	1252.5	16255.6	53.8
1133.0	15089.0	44.0	1173.0	16301.1	52.3	1213.0	16287.3	53.3	1253.0	16387.3	53.8
1133.5	15300.7	44.1	1173.5	16301.8	52.3	1213.5	16287.3	53.3	1253.5	16381.8	53.8
1134.0	15196.6	44.2	1174.0	16301.1	52.3	1214.0	16287.3	53.3	1254.0	16376.9	53.8
1134.5	15193.8	44.4	1174.5	16300.4	52.3	1214.5	16286.6	53.3	1254.5	16372.8	53.8
1135.0	15191.7	44.5	1175.0	16301.8	52.3	1215.0	16285.9	53.3	1255.0	16370.0	53.8
1135.5	15191.0	44.6	1175.5	16299.0	52.3	1215.5	16285.2	53.3	1255.5	16365.9	53.8
1136.0	15468.9	44.7	1176.0	16301.8	52.3	1216.0	16285.2	53.3	1256.0	16361.8	53.8
1136.5	15295.8	44.9	1176.5	16301.8	52.3	1216.5	16285.2	53.3	1256.5	16358.3	53.8
1137.0	15295.8	45.0	1177.0	16301.8	52.3	1217.0	16286.6	53.3	1257.0	16356.2	53.8
1137.5	15294.5	45.1	1177.5	16302.5	52.3	1217.5	16285.9	53.3	1257.5	16353.5	53.8
1138.0	15293.8	45.2	1178.0	16302.5	52.3	1218.0	16284.5	53.3	1258.0	16349.4	53.8
1138.5	15488.9	45.4	1178.5	16301.8	52.3	1218.5	16284.5	53.3	1258.5	16346.6	53.8
1139.0	15400.0	45.5	1179.0	16302.5	52.3	1219.0	16284.5	53.3	1259.0	16346.6	53.8
1139.5	15398.6	45.6	1179.5	16301.8	52.3	1219.5	16284.5	53.3	1259.5	16342.5	53.8
1140.0	15397.9	45.7	1180.0	16302.5	52.3	1220.0	16283.9	53.3	1260.0	16341.1	53.8
1140.5	15397.2	45.9	1180.5	16303.2	52.4	1220.5	16283.9	53.3	1260.5	16336.9	53.8
1141.0	15395.8	46.0	1181.0	16303.2	52.4	1221.0	16283.9	53.3	1261.0	16335.6	53.8
1141.5	15453.0	46.1	1181.5	16304.5	52.5	1221.5	16282.5	53.3	1261.5	16333.5	53.8
1142.0	15492.3	46.2	1182.0	16302.5	52.5	1222.0	16282.5	53.3	1262.0	16332.1	53.8
1142.5	15493.0	46.4	1182.5	16327.3	52.6	1222.5	16283.2	53.3	1262.5	16330.0	53.8
1143.0	15491.0	46.5	1183.0	16325.2	52.7	1223.0	16283.2	53.3	1263.0	16328.0	53.8
1143.5	15488.9	46.6	1183.5	16323.2	52.7	1223.5	16283.9	53.3	1263.5	16326.6	53.8
1144.0	15488.9	46.7	1184.0	16322.5	52.8	1224.0	16282.5	53.3	1264.0	16325.2	53.8
1144.5	15767.4	46.9	1184.5	16321.1	52.8	1224.5	16282.5	53.3	1264.5	16323.8	53.8
1145.0	15599.9	47.0	1185.0	16318.3	52.8	1225.0	16282.5	53.3	1265.0	16322.5	53.8
1145.5	15599.2	47.1	1185.5	16317.6	52.8	1225.5	16283.2	53.3	1265.5	16321.1	53.8
1146.0	15597.1	47.3	1186.0	16315.6	52.8	1226.0	16283.2	53.3	1266.0	16320.4	53.8
1146.5	15595.1	47.4	1186.5	16313.5	52.8	1226.5	16282.5	53.3	1266.5	16319.0	53.8
1147.0	15813.6	47.5	1187.0	16312.8	52.8	1227.0	16282.5	53.3	1267.0	16316.3	53.8
1147.5	15702.6	47.6	1187.5	16312.1	52.8	1227.5	16283.2	53.3	1267.5	16313.5	53.8
1148.0	15699.2	47.8	1188.0	16311.4	52.8	1228.0	16282.5	53.3	1268.0	16313.5	53.8
1148.5	15699.2	47.8	1188.5	16311.4	52.8	1228.5	16281.8	53.3	1268.5	16311.4	53.8
1149.0	15699.2	47.9	1189.0	16310.7	52.8	1229.0	16282.5	53.3	1269.0	16311.4	53.8
1149.5	15870.9	47.9	1189.5	16310.1	52.8	1229.5	16281.8	53.3	1269.5	16309.4	53.8
1150.0	15804.7	48.0	1190.0	16310.7	52.8	1230.0	16281.8	53.3	1270.0	16309.4	53.8
1150.5	15805.4	48.1	1190.5	16308.7	52.8	1230.5	16283.2	53.3	1270.5	16308.0	53.8
1151.0	15802.6	48.1	1191.0	16310.1	52.8	1231.0	16283.2	53.3	1271.0	16307.3	53.8
1151.5	16074.9	48.2	1191.5	16310.1	52.8	1231.5	16283.2	53.3	1271.5	16305.9	53.8
1152.0	15903.3	48.3	1192.0	16129.4	52.8	1232.0	16283.2	53.3	1272.0	16305.2	53.8
1152.5	15902.6	48.4	1192.5	16305.9	52.8	1232.5	16283.2	53.3	1272.5	16302.5	53.8
1153.0	15901.9	48.5	1193.0	16334.9	52.8	1233.0	16282.5	53.3	1273.0	16301.1	53.8
1153.5	15900.5	48.6	1193.5	16330.0	52.8	1233.5	16283.2	53.3	1273.5	16299.0	53.8
1154.0	15899.8	48.8	1194.0	16328.0	52.8	1234.0	16281.8	53.3	1274.0	16299.0	53.8
1154.5	16007.4	48.9	1194.5	16326.6	52.8	1234.5	16281.8	53.3	1274.5	16297.6	53.8
1155.0	16006.7	49.0	1195.0	16324.5	52.8	1235.0	16280.4	53.3	1275.0	16297.0	53.8
1155.5	16004.6	49.1	1195.5	16323.8	52.8	1235.5	16280.4	53.3	1275.5	16295.6	53.8
1156.0	16001.9	49.3	1196.0	16322.5	52.8	1236.0	16279.7	53.3	1276.0	16294.9	53.8
1156.5	16205.9	49.4	1196.5	16321.1	52.8	1236.5	16281.1	53.4	1276.5	16294.9	53.8
1157.0	16111.5	49.5	1197.0	16319.0	52.8	1237.0	16281.8	53.4	1277.0	16293.5	53.8
1157.5	16110.1	49.6	1197.5	16316.9	52.8	1237.5	16283.2	53.5	1277.5	16290.7	53.8
1158.0	16108.7	49.8	1198.0	16314.2	52.8	1238.0	16283.2	53.6	1278.0	16290.7	53.8
1158.5	15965.3	49.9	1198.5	16313.5	52.8	1238.5	16282.5	53.6	1278.5	16290.1	53.8
1159.0	16214.9	50.0	1199.0	16312.8	52.8	1239.0	16283.2	53.7	1279.0	16290.1	53.8
1159.5	16213.5	50.2	1199.5	16311.4	52.8	1239.5	16284.5	53.7	1279.5	16287.3	53.8
1160.0	16211.5	50.3	1200.0	16310.1	52.8	1240.0	16283.9	53.8	1280.0	16286.6	53.8
1160.5	16210.1	50.4	1200.5	16308.0	52.9	1240.5	16283.9	53.8	1280.5	16286.6	53.8

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1281.0	16285.9	53.8	1321.0	16270.1	54.3	1361.0	16254.9	54.4	1401.0	16205.9	54.8
1281.5	16285.2	53.8	1321.5	16270.1	54.3	1361.5	16253.5	54.5	1401.5	16206.6	54.8
1282.0	16285.9	53.8	1322.0	16270.1	54.3	1362.0	16251.4	54.6	1402.0	16205.9	54.8
1282.5	16285.2	53.8	1322.5	16271.4	54.3	1362.5	16249.4	54.6	1402.5	16205.9	54.8
1283.0	16283.9	53.8	1323.0	16271.4	54.3	1363.0	16248.0	54.7	1403.0	16208.0	54.8
1283.5	16281.8	53.8	1323.5	16272.1	54.3	1363.5	16247.3	54.8	1403.5	16205.9	54.8
1284.0	16283.9	53.8	1324.0	16271.4	54.3	1364.0	16245.9	54.8	1404.0	16206.6	54.8
1284.5	16282.5	53.9	1324.5	16272.8	54.3	1364.5	16245.9	54.8	1404.5	16206.6	54.8
1285.0	16281.1	53.9	1325.0	16272.1	54.3	1365.0	16244.6	54.8	1405.0	16205.9	54.8
1285.5	16280.4	54.0	1325.5	16272.1	54.3	1365.5	16241.8	54.8	1405.5	16205.9	54.8
1286.0	16280.4	54.1	1326.0	16272.1	54.3	1366.0	16239.7	54.8	1406.0	16206.6	54.8
1286.5	16279.7	54.1	1326.5	16272.1	54.3	1366.5	16239.0	54.8	1406.5	16205.9	54.8
1287.0	16279.7	54.2	1327.0	16272.1	54.3	1367.0	16237.7	54.8	1407.0	16208.0	54.8
1287.5	16279.0	54.2	1327.5	16272.1	54.3	1367.5	16236.3	54.8	1407.5	16205.9	54.8
1288.0	16277.6	54.3	1328.0	16270.8	54.3	1368.0	16234.9	54.8	1408.0	16206.6	54.8
1288.5	16277.0	54.3	1328.5	16271.4	54.3	1368.5	16233.5	54.8	1408.5	16205.3	54.8
1289.0	16277.6	54.3	1329.0	16270.8	54.3	1369.0	16232.1	54.8	1409.0	16205.9	54.8
1289.5	16275.6	54.3	1329.5	16270.8	54.3	1369.5	16232.8	54.8	1409.5	16205.9	54.8
1290.0	16275.6	54.3	1330.0	16268.7	54.3	1370.0	16231.5	54.8	1410.0	16205.9	54.8
1290.5	16274.9	54.3	1330.5	16268.7	54.3	1370.5	16230.1	54.8	1410.5	16205.3	54.8
1291.0	16274.9	54.3	1331.0	16270.1	54.3	1371.0	16228.7	54.8	1411.0	16206.6	54.8
1291.5	16274.9	54.3	1331.5	16268.7	54.3	1371.5	16227.3	54.8	1411.5	16205.3	54.8
1292.0	16274.2	54.3	1332.0	16267.3	54.3	1372.0	16226.6	54.8	1412.0	16205.9	54.8
1292.5	16273.5	54.3	1332.5	16268.0	54.3	1372.5	16224.6	54.8	1412.5	16205.3	54.8
1293.0	16274.2	54.3	1333.0	16266.6	54.3	1373.0	16223.2	54.8	1413.0	16204.6	54.8
1293.5	16274.2	54.3	1333.5	16266.6	54.3	1373.5	16223.2	54.8	1413.5	16205.9	54.8
1294.0	16274.2	54.3	1334.0	16265.9	54.3	1374.0	16222.5	54.8	1414.0	16205.3	54.8
1294.5	16273.5	54.3	1334.5	16265.2	54.3	1374.5	16221.8	54.8	1414.5	16205.9	54.8
1295.0	16273.5	54.3	1335.0	16264.5	54.3	1375.0	16219.7	54.8	1415.0	16204.6	54.8
1295.5	16272.8	54.3	1335.5	16263.9	54.3	1375.5	16220.4	54.8	1415.5	16205.3	54.8
1296.0	16272.8	54.3	1336.0	16263.2	54.3	1376.0	16219.0	54.8	1416.0	16204.6	54.8
1296.5	16272.1	54.3	1336.5	16263.2	54.3	1376.5	16218.4	54.8	1416.5	16204.6	54.8
1297.0	16272.8	54.3	1337.0	16263.9	54.3	1377.0	16218.4	54.8	1417.0	16205.3	54.8
1297.5	16272.1	54.3	1337.5	16263.9	54.3	1377.5	16217.0	54.8	1417.5	16204.6	54.8
1298.0	16272.1	54.3	1338.0	16263.2	54.3	1378.0	16214.9	54.8	1418.0	16205.3	54.8
1298.5	16272.1	54.3	1338.5	16263.2	54.3	1378.5	16214.9	54.8	1418.5	16204.6	54.8
1299.0	16271.4	54.3	1339.0	16261.8	54.3	1379.0	16212.1	54.8	1419.0	16205.9	54.8
1299.5	16271.4	54.3	1339.5	16261.1	54.3	1379.5	16211.5	54.8	1419.5	16204.6	54.8
1300.0	16271.4	54.3	1340.0	16261.1	54.3	1380.0	16210.8	54.8	1420.0	16204.6	54.8
1300.5	16271.4	54.3	1340.5	16261.1	54.3	1380.5	16210.1	54.8	1420.5	16204.6	54.8
1301.0	16271.4	54.3	1341.0	16261.1	54.3	1381.0	16210.1	54.8	1421.0	16205.3	54.8
1301.5	16271.4	54.3	1341.5	16260.4	54.3	1381.5	16209.4	54.8	1421.5	16205.3	54.8
1302.0	16271.4	54.3	1342.0	16259.7	54.3	1382.0	16209.4	54.8	1422.0	16204.6	54.8
1302.5	16270.8	54.3	1342.5	16260.4	54.3	1382.5	16208.0	54.8	1422.5	16204.6	54.8
1303.0	16271.4	54.3	1343.0	16259.7	54.3	1383.0	16208.0	54.8	1423.0	16204.6	54.8
1303.5	16270.8	54.3	1343.5	16259.7	54.3	1383.5	16206.6	54.8	1423.5	16204.6	54.8
1304.0	16268.7	54.3	1344.0	16260.4	54.3	1384.0	16206.6	54.8	1424.0	16204.6	54.8
1304.5	16270.1	54.3	1344.5	16258.3	54.3	1384.5	16206.6	54.8	1424.5	16204.6	54.8
1305.0	16270.1	54.3	1345.0	16259.7	54.3	1385.0	16205.9	54.8	1425.0	16204.6	54.8
1305.5	16270.1	54.3	1345.5	16259.0	54.3	1385.5	16205.3	54.8	1425.5	16204.6	54.8
1306.0	16270.1	54.3	1346.0	16257.7	54.3	1386.0	16205.9	54.8	1426.0	16204.6	54.8
1306.5	16268.7	54.3	1346.5	16259.0	54.3	1386.5	16205.3	54.8	1426.5	16203.9	54.8
1307.0	16268.7	54.3	1347.0	16258.3	54.3	1387.0	16205.3	54.8	1427.0	16204.6	54.8
1307.5	16268.0	54.3	1347.5	16257.7	54.3	1387.5	16204.6	54.8	1427.5	16204.6	54.8
1308.0	16266.6	54.3	1348.0	16258.3	54.3	1388.0	16205.3	54.8	1428.0	16204.6	54.8
1308.5	16267.3	54.3	1348.5	16258.3	54.3	1388.5	16205.3	54.8	1428.5	16204.6	54.8
1309.0	16268.0	54.3	1349.0	16258.3	54.3	1389.0	16205.3	54.8	1429.0	16204.6	54.8
1309.5	16266.6	54.3	1349.5	16258.3	54.3	1389.5	16205.3	54.8	1429.5	16203.2	54.8
1310.0	16268.0	54.3	1350.0	16258.3	54.3	1390.0	16204.6	54.8	1430.0	16203.9	54.8
1310.5	16266.6	54.3	1350.5	16257.7	54.3	1390.5	16205.3	54.8	1430.5	16203.9	54.8
1311.0	16266.6	54.3	1351.0	16257.7	54.3	1391.0	16205.3	54.8	1431.0	16203.2	54.8
1311.5	16267.3	54.3	1351.5	16257.0	54.3	1391.5	16203.2	54.8	1431.5	16202.5	54.8
1312.0	16265.2	54.3	1352.0	16257.7	54.3	1392.0	16204.6	54.8	1432.0	16203.2	54.8
1312.5	16265.9	54.3	1352.5	16257.0	54.3	1392.5	16205.3	54.8	1432.5	16203.2	54.8
1313.0	16265.9	54.3	1353.0	16257.0	54.3	1393.0	16205.3	54.8	1433.0	16203.9	54.8
1313.5	16265.9	54.3	1353.5	16257.0	54.3	1393.5	16205.3	54.8	1433.5	16202.5	54.8
1314.0	16265.2	54.3	1354.0	16256.3	54.3	1394.0	16205.9	54.8	1434.0	16203.2	54.8
1314.5	16265.2	54.3	1354.5	16257.7	54.3	1394.5	16204.6	54.8	1434.5	16203.2	54.8
1315.0	16264.5	54.3	1355.0	16256.3	54.3	1395.0	16205.9	54.8	1435.0	16202.5	54.8
1315.5	16265.2	54.3	1355.5	16257.0	54.3	1395.5	16205.9	54.8	1435.5	16202.5	54.8
1316.0	16265.9	54.3	1356.0	16256.3	54.3	1396.0	16205.3	54.8	1436.0	16203.2	54.8
1316.5	16265.9	54.3	1356.5	16257.0	54.3	1396.5	16205.9	54.8	1436.5	16202.5	54.8
1317.0	16265.9	54.3	1357.0	16257.0	54.3	1397.0	16206.6	54.8	1437.0	16201.8	54.8
1317.5	16266.6	54.3	1357.5	16255.6	54.3	1397.5	16205.9	54.8	1437.5	16202.5	54.8
1318.0	16268.0	54.3	1358.0	16255.6	54.3	1398.0	16205.3	54.8	1438.0	16201.8	54.8
1318.5	16267.3	54.3	1358.5	16256.3	54.3	1398.5	16206.6	54.8	1438.5	16202.5	54.8
1319.0	16268.0	54.3	1359.0	16256.3	54.3	1399.0	16206.6	54.8	1439.0	16201.8	54.8
1319.5	16268.7	54.3	1359.5	16255.6	54.3	1399.5	16205.9	54.8	1439.5	16202.5	54.8
1320.0	16268.0	54.3	1360.0	16256.3	54.3	1400.0	16205.9	54.8	1440.0	16201.8	54.8
1320.5	16268.7	54.3	1360.5	16255.6	54.4	1400.5	16208.0	54.8	1440.5	16202.5	54.8

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1441.0	16202.5	54.8	1481.0	16309.4	55.3	1521.0	16376.2	55.3	1561.0	8686.6	58.8
1441.5	16201.1	54.8	1481.5	16320.4	55.3	1521.5	16373.5	55.3	1561.5	8697.6	58.8
1442.0	16201.8	54.8	1482.0	16321.8	55.3	1522.0	16369.3	55.3	1562.0	8704.5	58.8
1442.5	16201.8	54.8	1482.5	16331.4	55.3	1522.5	16366.6	55.3	1562.5	8712.8	58.8
1443.0	16201.8	54.8	1483.0	16339.7	55.3	1523.0	16364.5	55.3	1563.0	8720.4	58.8
1443.5	16201.8	54.8	1483.5	16351.4	55.3	1523.5	16360.4	55.3	1563.5	8728.0	58.8
1444.0	16201.1	54.8	1484.0	16355.6	55.3	1524.0	16356.9	55.3	1564.0	8735.5	58.8
1444.5	16201.8	54.8	1484.5	16363.8	55.3	1524.5	16354.9	55.3	1564.5	8743.8	58.8
1445.0	16201.1	54.8	1485.0	16375.6	55.3	1525.0	16352.8	55.3	1565.0	8749.3	58.8
1445.5	16201.1	54.8	1485.5	16377.6	55.3	1525.5	16350.0	55.3	1565.5	8756.9	58.8
1446.0	16201.1	54.8	1486.0	16379.0	55.3	1526.0	16345.9	55.3	1566.0	8764.5	58.8
1446.5	16199.7	54.8	1486.5	16379.0	55.3	1526.5	16345.2	55.3	1566.5	8771.4	58.8
1447.0	16201.8	54.8	1487.0	16380.4	55.3	1527.0	16342.5	55.3	1567.0	8778.3	58.8
1447.5	16201.1	54.8	1487.5	16382.4	55.3	1527.5	16328.7	55.3	1567.5	8784.5	58.8
1448.0	16202.5	54.8	1488.0	16381.1	55.3	1528.0	17776.6	55.3	1568.0	8790.0	58.8
1448.5	16201.1	54.8	1488.5	16375.6	55.3	1528.5	18289.5	55.3	1568.5	8796.9	58.8
1449.0	16201.1	54.8	1489.0	16377.6	55.3	1529.0	18170.2	55.3	1569.0	8803.1	58.8
1449.5	16199.7	54.8	1489.5	16380.4	55.3	1529.5	18073.7	55.3	1569.5	8810.0	58.8
1450.0	16201.1	54.8	1490.0	16381.1	55.3	1530.0	17986.2	55.3	1570.0	8816.2	58.8
1450.5	16201.1	54.8	1490.5	16379.7	55.3	1530.5	15655.1	55.3	1570.5	8821.7	58.8
1451.0	16199.7	54.8	1491.0	16380.4	55.3	1531.0	16907.1	55.3	1571.0	8827.9	58.8
1451.5	16201.1	54.8	1491.5	16382.4	55.3	1531.5	17651.8	55.3	1571.5	8833.4	58.8
1452.0	16199.7	54.8	1492.0	16381.8	55.3	1532.0	2465.5	55.3	1572.0	8838.3	58.8
1452.5	16199.7	54.9	1492.5	16383.1	55.3	1532.5	2557.2	55.4	1572.5	8845.2	58.8
1453.0	16199.0	54.9	1493.0	16382.4	55.3	1533.0	2821.3	55.6	1573.0	8850.7	58.8
1453.5	16199.7	55.0	1493.5	16383.8	55.3	1533.5	2837.1	55.7	1573.5	8856.2	58.8
1454.0	16199.0	55.1	1494.0	16383.8	55.3	1534.0	2916.4	55.8	1574.0	8860.3	58.8
1454.5	16199.7	55.1	1494.5	16385.9	55.3	1534.5	2936.4	55.9	1574.5	8865.8	58.8
1455.0	16201.1	55.2	1495.0	16385.2	55.3	1535.0	3065.3	56.1	1575.0	8870.0	58.8
1455.5	16210.8	55.3	1495.5	16383.8	55.3	1535.5	3154.3	56.2	1575.5	8875.5	58.8
1456.0	16225.9	55.3	1496.0	16386.6	55.3	1536.0	3222.5	56.3	1576.0	8881.7	58.8
1456.5	16234.9	55.3	1496.5	16386.6	55.3	1536.5	3299.8	56.5	1576.5	8885.8	58.8
1457.0	16241.8	55.3	1497.0	16385.9	55.3	1537.0	3368.7	56.6	1577.0	8891.4	58.8
1457.5	16245.9	55.3	1497.5	16387.3	55.3	1537.5	3405.9	56.7	1577.5	8896.2	58.8
1458.0	16247.3	55.3	1498.0	16386.6	55.3	1538.0	3487.3	56.8	1578.0	8901.7	58.8
1458.5	16249.4	55.3	1498.5	16385.2	55.3	1538.5	3588.0	57.0	1578.5	8905.1	58.8
1459.0	16252.1	55.3	1499.0	16387.3	55.3	1539.0	3679.0	57.1	1579.0	8908.6	58.8
1459.5	16252.1	55.3	1499.5	16388.0	55.3	1539.5	3772.7	57.2	1579.5	8914.1	58.8
1460.0	16253.5	55.3	1500.0	16388.7	55.3	1540.0	3863.1	57.3	1580.0	8918.2	58.8
1460.5	16252.8	55.3	1500.5	16387.3	55.3	1540.5	3953.4	57.5	1580.5	8921.0	58.8
1461.0	16253.5	55.3	1501.0	16388.0	55.3	1541.0	4045.1	57.6	1581.0	8926.5	58.8
1461.5	16252.1	55.3	1501.5	16389.3	55.3	1541.5	4136.8	57.7	1581.5	8930.7	58.8
1462.0	16254.2	55.3	1502.0	16387.3	55.3	1542.0	4225.7	57.8	1582.0	8934.8	58.8
1462.5	16253.5	55.3	1502.5	16388.0	55.3	1542.5	4316.7	58.0	1582.5	8940.3	58.8
1463.0	16252.8	55.3	1503.0	16389.3	55.3	1543.0	7673.1	58.1	1583.0	8944.4	58.8
1463.5	16252.8	55.3	1503.5	16388.7	55.3	1543.5	7835.1	58.2	1583.5	8947.2	58.8
1464.0	16252.1	55.3	1504.0	16388.0	55.3	1544.0	7926.1	58.3	1584.0	8952.7	58.8
1464.5	16252.1	55.3	1504.5	16388.0	55.3	1544.5	8001.2	58.4	1584.5	8956.2	58.8
1465.0	16252.8	55.3	1505.0	16387.3	55.3	1545.0	8064.7	58.5	1585.0	8960.3	58.7
1465.5	16251.4	55.3	1505.5	16389.3	55.3	1545.5	8119.8	58.5	1585.5	8965.1	58.7
1466.0	16251.4	55.3	1506.0	16389.3	55.3	1546.0	8166.0	58.6	1586.0	8969.3	58.6
1466.5	16251.4	55.3	1506.5	16389.3	55.3	1546.5	8208.1	58.7	1586.5	8972.7	58.5
1467.0	16250.1	55.3	1507.0	16387.3	55.3	1547.0	8243.3	58.7	1587.0	8977.5	58.5
1467.5	16249.4	55.3	1507.5	16388.0	55.3	1547.5	8277.0	58.8	1587.5	8981.7	58.4
1468.0	16251.4	55.3	1508.0	16388.0	55.3	1548.0	8307.4	58.8	1588.0	8984.4	58.3
1468.5	16249.4	55.3	1508.5	16387.3	55.3	1548.5	8332.9	58.8	1588.5	8987.9	58.3
1469.0	16248.0	55.3	1509.0	16388.0	55.3	1549.0	8359.1	58.8	1589.0	8991.3	58.3
1469.5	16248.7	55.3	1509.5	16387.3	55.3	1549.5	8381.8	58.8	1589.5	8994.8	58.3
1470.0	16248.7	55.3	1510.0	16388.0	55.3	1550.0	8403.2	58.8	1590.0	8998.2	58.3
1470.5	16247.3	55.3	1510.5	16388.0	55.3	1550.5	8424.6	58.8	1590.5	9003.0	58.3
1471.0	16248.0	55.3	1511.0	16388.0	55.3	1551.0	8443.2	58.8	1591.0	9005.8	58.3
1471.5	16248.7	55.3	1511.5	16389.3	55.3	1551.5	8462.5	58.8	1591.5	9009.9	58.3
1472.0	16248.0	55.3	1512.0	16388.0	55.3	1552.0	8478.4	58.8	1592.0	9012.7	58.3
1472.5	16247.3	55.3	1512.5	16388.0	55.3	1552.5	8493.5	58.8	1592.5	9016.8	58.3
1473.0	16247.3	55.3	1513.0	16387.3	55.3	1553.0	8510.1	58.8	1593.0	9019.6	58.3
1473.5	16247.3	55.3	1513.5	16388.0	55.3	1553.5	8524.6	58.8	1593.5	9024.4	58.3
1474.0	16248.0	55.3	1514.0	16387.3	55.3	1554.0	8537.7	58.8	1594.0	9027.2	58.3
1474.5	16247.3	55.3	1514.5	16387.3	55.3	1554.5	8550.8	58.8	1594.5	9030.6	58.3
1475.0	16248.0	55.3	1515.0	16387.3	55.3	1555.0	8563.9	58.8	1595.0	9032.7	58.3
1475.5	16246.6	55.3	1515.5	16387.3	55.3	1555.5	8576.3	58.8	1595.5	9037.5	58.3
1476.0	16246.6	55.3	1516.0	16388.0	55.3	1556.0	8588.0	58.8	1596.0	9039.6	58.3
1476.5	16246.6	55.3	1516.5	16385.9	55.3	1556.5	8599.7	58.8	1596.5	9041.0	58.3
1477.0	16247.3	55.3	1517.0	16388.0	55.3	1557.0	8611.4	58.8	1597.0	9045.1	58.3
1477.5	16291.4	55.3	1517.5	16387.3	55.3	1557.5	8621.1	58.8	1597.5	9049.2	58.3
1478.0	16304.5	55.3	1518.0	16386.6	55.3	1558.0	8632.1	58.8	1598.0	9052.7	58.3
1478.5	16319.7	55.3	1518.5	16387.3	55.3	1558.5	8639.7	58.8	1598.5	9054.1	58.3
1479.0	16307.3	55.3	1519.0	16386.6	55.3	1559.0	8651.4	58.8	1599.0	9058.9	58.3
1479.5	16316.3	55.3	1519.5	16385.2	55.3	1559.5	8661.1	58.8	1599.5	9061.0	58.3
1480.0	16319.0	55.3	1520.0	16381.8	55.3	1560.0	8670.0	58.8	1600.0	9063.7	58.3
1480.5	16314.9	55.3	1520.5	16379.7	55.3	1560.5	8677.6	58.8	1600.5	9065.8	58.3

TEST REFERENCE#: 301215B			FILE STARTS: 20:57:00 on February 13, 1990		
LEGEND: ET=Elaped time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)					
ET	P	T	ET	P	T
1601.0	9069.9	58.3	1641.0	7902.7	59.9
1601.5	9074.8	58.3	1641.5	7917.1	59.9
1602.0	9076.8	58.3	1642.0	7932.3	59.9
1602.5	9079.6	58.3	1642.5	7948.8	59.9
1603.0	9081.6	58.3	1643.0	7962.6	59.9
1603.5	9088.5	58.3	1643.5	7976.4	59.9
1604.0	9098.9	58.3	1644.0	7991.6	59.9
1604.5	4429.8	58.4	1644.5	8007.5	59.9
1605.0	4520.8	58.5	1645.0	8019.9	59.9
1605.5	4630.4	58.5	1645.5	8033.0	59.9
1606.0	4731.8	58.6	1646.0	8046.8	59.9
1606.5	4835.9	58.7	1646.5	8059.9	59.9
1607.0	4934.5	58.7	1647.0	8073.6	59.9
1607.5	5031.7	58.8	1647.5	8084.0	59.9
1608.0	5125.5	58.8	1648.0	8097.1	59.9
1608.5	5217.9	58.8	1648.5	8110.2	59.9
1609.0	5306.1	58.8	1649.0	8119.1	59.9
1609.5	5393.0	58.8	1649.5	8130.9	59.9
1610.0	5477.8	58.8	1650.0	8143.3	59.9
1610.5	5558.5	58.8	1650.5	8151.6	59.9
1611.0	5637.1	58.8	1651.0	8163.3	59.9
1611.5	5713.6	58.8	1651.5	8172.9	59.9
1612.0	5788.7	58.8	1652.0	8183.3	59.9
1612.5	5859.8	58.9	1652.5	8191.5	59.9
1613.0	5931.5	59.0	1653.0	8201.9	59.9
1613.5	5999.7	59.0	1653.5	8210.8	59.9
1614.0	6064.5	59.1	1654.0	8221.2	59.9
1614.5	6131.4	59.2	1654.5	8230.2	59.9
1615.0	6192.8	59.2	1655.0	8239.1	59.9
1615.5	6251.4	59.3	1655.5	8246.7	59.9
1616.0	6310.0	59.4	1656.0	8255.7	59.9
1616.5	6366.5	59.4	1656.5	8264.6	59.9
1617.0	6421.0	59.4	1657.0	8272.9	59.9
1617.5	6475.5	59.4	1657.5	8281.9	59.9
1618.0	6526.5	59.4	1658.0	8291.5	59.9
1618.5	6575.4	59.4	1658.5	8297.7	59.9
1619.0	6624.4	59.4	1659.0	8306.0	59.9
1619.5	6672.6	59.4	1659.5	8314.3	59.9
1620.0	6720.2	59.4	1660.0	8321.2	59.9
1620.5	6766.4	59.4	1660.5	8328.7	59.8
1621.0	6811.2	59.5	1661.0	8335.0	59.7
1621.5	6854.0	59.5	1661.5	8342.5	59.7
1622.0	6896.7	59.6	1662.0	8350.1	59.6
1622.5	6938.1	59.7	1662.5	8357.7	59.5
1623.0	6976.0	59.7	1663.0	8365.3	59.5
1623.5	7015.3	59.8	1663.5	8371.5	59.4
1624.0	7053.2	59.9	1664.0	8379.1	59.4
1624.5	7090.5	59.9	1664.5	8386.0	59.4
1625.0	7124.2	59.9	1665.0	8392.2	59.4
1625.5	7159.4	59.9	1665.5	8398.4	59.4
1626.0	7193.9	59.9	1666.0	8404.6	59.4
1626.5	7227.7	59.9	1666.5	8410.1	59.4
1627.0	7258.0	59.9	1667.0	8417.0	59.4
1627.5	7291.1	59.9	1667.5	8422.5	59.4
1628.0	7321.4	59.9	1668.0	8428.7	59.4
1628.5	7352.5	59.9	1668.5	8434.9	59.4
1629.0	7382.1	59.9	1669.0	8441.1	59.4
1629.5	7411.8	59.9	1669.5	8446.0	59.4
1630.0	7438.0	59.9	1670.0	8452.9	59.4
1630.5	7465.5	59.9	1670.5	8457.7	59.4
1631.0	7493.1	59.9	1671.0	8464.6	59.4
1631.5	7518.6	59.9	1671.5	8469.4	59.4
1632.0	7542.1	59.9	1672.0	8474.2	59.4
1632.5	7565.5	59.9	1672.5	8479.7	59.4
1633.0	7590.3	59.9	1673.0	8485.9	59.4
1633.5	7613.1	59.9	1673.5	8490.8	59.4
1634.0	7636.5	59.9	1674.0	8495.6	59.4
1634.5	7657.9	59.9	1674.5	8501.1	59.4
1635.0	7681.3	59.9	1675.0	8505.3	59.4
1635.5	7702.0	59.9	1675.5	8512.1	59.4
1636.0	7719.9	59.9	1676.0	8514.9	59.4
1636.5	7742.7	59.9	1676.5	8521.1	59.4
1637.0	7761.3	59.9	1677.0	8525.2	59.4
1637.5	7780.6	59.9	1677.5	8528.7	59.4
1638.0	7799.2	59.9	1678.0	8536.3	59.4
1638.5	7817.2	59.9	1678.5	8539.7	59.4
1639.0	7834.4	59.9	1679.0	8543.9	59.4
1639.5	7853.0	59.9	1679.5	8550.1	59.4
1640.0	7868.9	59.9	1680.0	8553.5	59.4
1640.5	7887.5	59.9	1680.5	8559.7	59.4
1681.0	8563.2	59.4	1721.0	8927.2	58.8
1681.5	8568.0	59.4	1721.5	8930.0	58.8
1682.0	8572.1	59.4	1722.0	8932.7	58.8
1682.5	8576.3	59.4	1722.5	8934.8	58.8
1683.0	8579.7	59.4	1723.0	8938.2	58.8
1683.5	8585.9	59.4	1723.5	8941.0	58.8
1684.0	8589.4	59.4	1724.0	8943.8	58.8
1684.5	8593.5	59.4	1724.5	8945.8	58.8
1685.0	8597.6	59.4	1725.0	8949.3	58.8
1685.5	8601.1	59.4	1725.5	8952.0	58.8
1686.0	8605.9	59.4	1726.0	8955.5	58.8
1686.5	8610.7	59.4	1726.5	8954.8	58.8
1687.0	8613.5	59.4	1727.0	8958.2	58.8
1687.5	8617.6	59.4	1727.5	8961.7	58.8
1688.0	8621.8	59.4	1728.0	8963.7	58.8
1688.5	8625.9	59.4	1728.5	8966.5	58.8
1689.0	8629.4	59.4	1729.0	8967.9	58.8
1689.5	8634.2	59.4	1729.5	8971.3	58.8
1690.0	8636.3	59.4	1730.0	8974.8	58.8
1690.5	8639.7	59.4	1730.5	8976.8	58.8
1691.0	8646.6	59.4	1731.0	8978.2	58.8
1691.5	8648.0	59.4	1731.5	8981.7	58.8
1692.0	8651.4	59.4	1732.0	8982.4	58.8
1692.5	8655.6	59.4	1732.5	8985.1	58.8
1693.0	8661.1	59.4	1733.0	8988.6	58.8
1693.5	8662.5	59.4	1733.5	8989.9	58.8
1694.0	8665.9	59.4	1734.0	8992.0	58.8
1694.5	8733.5	59.4	1734.5	8993.4	58.8
1695.0	8741.7	59.4	1735.0	8996.8	58.8
1695.5	8741.7	59.4	1735.5	8999.6	58.8
1696.0	8746.6	59.4	1736.0	9002.4	58.8
1696.5	8752.1	59.4	1736.5	9003.7	58.8
1697.0	8758.3	59.4	1737.0	9005.8	58.8
1697.5	8761.7	59.4	1737.5	9007.9	58.8
1698.0	8768.6	59.4	1738.0	9010.6	58.8
1698.5	8772.1	59.4	1738.5	9013.4	58.8
1699.0	8777.6	59.4	1739.0	9015.5	58.8
1699.5	8782.4	59.4	1739.5	9016.8	58.8
1700.0	8785.2	59.4	1740.0	9018.9	58.8
1700.5	8790.7	59.4	1740.5	9021.7	58.8
1701.0	8794.8	59.4	1741.0	9023.7	58.8
1701.5	8798.3	59.4	1741.5	9026.5	58.8
1702.0	8802.4	59.4	1742.0	9029.2	58.8
1702.5	8806.6	59.4	1742.5	9029.2	58.8
1703.0	8810.0	59.4	1743.0	9031.3	58.8
1703.5	8813.4	59.4	1743.5	9033.4	58.8
1704.0	8818.3	59.4	1744.0	9036.1	58.8
1704.5	8820.3	59.4	1744.5	9038.2	58.8
1705.0	8826.5	59.4	1745.0	9040.3	58.8
1705.5	8828.6	59.4	1745.5	9041.0	58.8
1706.0	8832.8	59.4	1746.0	9043.7	58.8
1706.5	8835.5	59.4	1746.5	9047.2	58.8
1707.0	8840.3	59.4	1747.0	9048.6	58.8
1707.5	8843.1	59.4	1747.5	9051.3	58.8
1708.0	8847.2	59.4	1748.0	9051.3	58.8
1708.5	8851.4	59.4	1748.5	9052.7	58.8
1709.0	8853.4	59.4	1749.0	9054.8	58.8
1709.5	8856.9	59.4	1749.5	9057.5	58.8
1710.0	8859.6	59.4	1750.0	9058.9	58.8
1710.5	8863.1	59.4	1750.5	9061.0	58.8
1711.0	8867.2	59.4	1751.0	9062.3	58.8
1711.5	8869.3	59.4	1751.5	9065.8	58.8
1712.0	8873.4	59.4	1752.0	9066.5	58.8
1712.5	8877.6	59.3	1752.5	9068.5	58.8
1713.0	8880.3	59.2	1753.0	9069.2	58.8
1713.5	8883.1	59.2	1753.5	9073.4	58.8
1714.0	8886.5	59.1	1754.0	9075.4	58.8
1714.5	8888.6	59.0	1754.5	9076.8	58.8
1715.0	8893.4	59.0	1755.0	9077.5	58.8
1715.5	8895.5	58.9	1755.5	9078.9	58.8
1716.0	8898.2	58.8	1756.0	9081.0	58.8
1716.5	8903.1	58.8	1756.5	9082.3	58.8
1717.0	8905.1	58.8	1757.0	9085.8	58.8
1717.5	8907.2	58.8	1757.5	9086.5	58.8
1718.0	8910.7	58.8	1758.0	9088.5	58.8
1718.5	8912.7	58.8	1758.5	9089.2	58.8
1719.0	8915.5	58.8	1759.0	9090.6	58.8
1719.5	8918.9	58.8	1759.5	9094.1	58.8
1720.0	8919.6	58.8	1760.0	9095.4	58.8
1720.5	8923.1	58.8	1760.5	9096.8	58.8

TEST REFERENCE#: 301215B			FILE STARTS: 20:57:00 on February 13, 1990								
LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)											
ET	P	T	ET	P	T	ET	P	T	ET	P	T
1761.0	9098.9	58.8	1801.0	9207.8	58.3	1841.0	9282.3	58.3	1881.0	9335.4	58.3
1761.5	9101.6	58.8	1801.5	9209.2	58.3	1841.5	9283.0	58.3	1881.5	9335.4	58.3
1762.0	9102.3	58.8	1802.0	9209.9	58.3	1842.0	9284.4	58.3	1882.0	9335.4	58.3
1762.5	9103.0	58.8	1802.5	9211.3	58.3	1842.5	9285.0	58.3	1882.5	9334.7	58.3
1763.0	9103.7	58.8	1803.0	9212.0	58.3	1843.0	9286.4	58.3	1883.0	9337.4	58.3
1763.5	9105.8	58.8	1803.5	9213.3	58.3	1843.5	9286.4	58.3	1883.5	9336.8	58.3
1764.0	9108.5	58.8	1804.0	9214.7	58.3	1844.0	9286.4	58.3	1884.0	9336.8	58.3
1764.5	9109.9	58.8	1804.5	9215.4	58.3	1844.5	9287.8	58.3	1884.5	9338.8	58.3
1765.0	9111.3	58.8	1805.0	9216.8	58.3	1845.0	9287.1	58.3	1885.0	9339.5	58.3
1765.5	9112.7	58.8	1805.5	9216.8	58.3	1845.5	9289.2	58.3	1885.5	9339.5	58.3
1766.0	9114.7	58.8	1806.0	9219.5	58.3	1846.0	9289.9	58.3	1886.0	9338.8	58.3
1766.5	9116.1	58.8	1806.5	9220.9	58.3	1846.5	9290.6	58.3	1886.5	9341.6	58.3
1767.0	9116.8	58.8	1807.0	9222.3	58.3	1847.0	9291.9	58.3	1887.0	9341.6	58.3
1767.5	9120.9	58.8	1807.5	9222.3	58.3	1847.5	9293.3	58.3	1887.5	9341.6	58.3
1768.0	9123.0	58.8	1808.0	9223.7	58.3	1848.0	9293.3	58.3	1888.0	9343.0	58.3
1768.5	9124.4	58.8	1808.5	9225.1	58.3	1848.5	9294.0	58.3	1888.5	9342.3	58.3
1769.0	9124.4	58.8	1809.0	9225.7	58.3	1849.0	9293.3	58.3	1889.0	9344.3	58.3
1769.5	9125.1	58.8	1809.5	9225.7	58.3	1849.5	9295.4	58.3	1889.5	9344.3	58.3
1770.0	9127.2	58.8	1810.0	9225.7	58.3	1850.0	9296.8	58.3	1890.0	9345.0	58.3
1770.5	9127.2	58.8	1810.5	9228.5	58.3	1850.5	9296.1	58.3	1890.5	9345.0	58.3
1771.0	9130.6	58.8	1811.0	9229.2	58.3	1851.0	9297.5	58.3	1891.0	9346.4	58.3
1771.5	9131.3	58.8	1811.5	9229.9	58.3	1851.5	9297.5	58.3	1891.5	9346.4	58.3
1772.0	9134.0	58.8	1812.0	9230.6	58.3	1852.0	9298.8	58.3	1892.0	9345.7	58.3
1772.5	9135.4	58.8	1812.5	9232.6	58.3	1852.5	9300.2	58.3	1892.5	9346.4	58.3
1773.0	9136.8	58.8	1813.0	9233.3	58.3	1853.0	9300.2	58.3	1893.0	9348.5	58.3
1773.5	9138.2	58.8	1813.5	9234.7	58.3	1853.5	9300.9	58.3	1893.5	9347.1	58.3
1774.0	9138.2	58.8	1814.0	9236.8	58.3	1854.0	9300.9	58.3	1894.0	9348.5	58.3
1774.5	9139.6	58.8	1814.5	9236.8	58.3	1854.5	9301.6	58.3	1894.5	9348.5	58.3
1775.0	9140.3	58.8	1815.0	9236.8	58.3	1855.0	9303.0	58.3	1895.0	9349.9	58.3
1775.5	9143.0	58.8	1815.5	9238.2	58.3	1855.5	9303.7	58.3	1895.5	9349.9	58.3
1776.0	9143.7	58.8	1816.0	9238.8	58.3	1856.0	9302.3	58.3	1896.0	9349.9	58.3
1776.5	9146.5	58.8	1816.5	9239.5	58.3	1856.5	9304.3	58.3	1896.5	9351.2	58.3
1777.0	9148.5	58.8	1817.0	9239.5	58.3	1857.0	9305.7	58.3	1897.0	9351.9	58.3
1777.5	9148.5	58.8	1817.5	9242.3	58.3	1857.5	9307.1	58.3	1897.5	9351.9	58.3
1778.0	9151.3	58.8	1818.0	9244.4	58.3	1858.0	9307.1	58.3	1898.0	9353.3	58.3
1778.5	9151.3	58.8	1818.5	9243.7	58.3	1858.5	9307.8	58.3	1898.5	9352.6	58.3
1779.0	9152.7	58.8	1819.0	9245.7	58.3	1859.0	9309.2	58.3	1899.0	9354.0	58.3
1779.5	9154.0	58.8	1819.5	9246.4	58.3	1859.5	9309.2	58.3	1899.5	9355.4	58.3
1780.0	9155.4	58.8	1820.0	9247.1	58.3	1860.0	9309.2	58.3	1900.0	9355.4	58.3
1780.5	9158.2	58.8	1820.5	9247.8	58.3	1860.5	9310.6	58.3	1900.5	9354.0	58.3
1781.0	9158.2	58.7	1821.0	9247.8	58.3	1861.0	9310.6	58.3	1901.0	9356.7	58.3
1781.5	9161.6	58.7	1821.5	9249.2	58.3	1861.5	9312.6	58.3	1901.5	9356.7	58.3
1782.0	9161.6	58.6	1822.0	9249.9	58.3	1862.0	9312.6	58.3	1902.0	9358.1	58.3
1782.5	9163.0	58.5	1822.5	9251.3	58.3	1862.5	9312.6	58.3	1902.5	9358.1	58.3
1783.0	9164.4	58.5	1823.0	9250.6	58.3	1863.0	9314.0	58.3	1903.0	9358.8	58.3
1783.5	9165.8	58.4	1823.5	9251.9	58.3	1863.5	9314.7	58.3	1903.5	9358.8	58.3
1784.0	9167.1	58.3	1824.0	9253.3	58.3	1864.0	9315.4	58.3	1904.0	9358.8	58.3
1784.5	9168.5	58.3	1824.5	9254.0	58.3	1864.5	9315.4	58.3	1904.5	9358.8	58.3
1785.0	9169.9	58.3	1825.0	9256.1	58.3	1865.0	9316.8	58.3	1905.0	9358.8	58.3
1785.5	9172.7	58.3	1825.5	9258.2	58.3	1865.5	9317.4	58.3	1905.5	9359.5	58.3
1786.0	9173.3	58.3	1826.0	9257.5	58.3	1866.0	9317.4	58.3	1906.0	9359.5	58.3
1786.5	9174.0	58.3	1826.5	9258.8	58.3	1866.5	9318.8	58.3	1906.5	9360.2	58.3
1787.0	9176.1	58.3	1827.0	9259.5	58.3	1867.0	9320.2	58.3	1907.0	9360.2	58.3
1787.5	9176.1	58.3	1827.5	9260.9	58.3	1867.5	9318.8	58.3	1907.5	9362.3	58.3
1788.0	9178.2	58.3	1828.0	9261.6	58.3	1868.0	9320.9	58.3	1908.0	9363.0	58.3
1788.5	9178.9	58.3	1828.5	9261.6	58.3	1868.5	9321.6	58.3	1908.5	9362.3	58.3
1789.0	9180.2	58.3	1829.0	9261.6	58.3	1869.0	9322.3	58.3	1909.0	9363.0	58.3
1789.5	9180.2	58.3	1829.5	9263.7	58.3	1869.5	9323.0	58.3	1909.5	9362.3	58.3
1790.0	9182.3	58.3	1830.0	9264.4	58.3	1870.0	9322.3	58.3	1910.0	9363.6	58.3
1790.5	9185.1	58.3	1830.5	9265.0	58.3	1870.5	9323.0	58.3	1910.5	9364.3	58.3
1791.0	9186.4	58.3	1831.0	9265.7	58.3	1871.0	9323.7	58.3	1911.0	9364.3	58.3
1791.5	9187.1	58.3	1831.5	9266.4	58.3	1871.5	9323.7	58.3	1911.5	9365.7	58.3
1792.0	9188.5	58.3	1832.0	9267.8	58.3	1872.0	9324.3	58.3	1912.0	9367.1	58.3
1792.5	9188.5	58.3	1832.5	9268.5	58.3	1872.5	9325.0	58.3	1912.5	9365.7	58.3
1793.0	9189.9	58.3	1833.0	9270.6	58.3	1873.0	9325.0	58.3	1913.0	9367.1	58.3
1793.5	9189.9	58.3	1833.5	9271.9	58.3	1873.5	9325.0	58.3	1913.5	9367.8	58.3
1794.0	9191.3	58.3	1834.0	9271.3	58.3	1874.0	9327.1	58.3	1914.0	9367.8	58.3
1794.5	9193.3	58.3	1834.5	9272.6	58.3	1874.5	9327.1	58.3	1914.5	9367.8	58.3
1795.0	9194.7	58.3	1835.0	9274.0	58.3	1875.0	9328.5	58.3	1915.0	9368.5	58.3
1795.5	9196.1	58.3	1835.5	9274.0	58.3	1875.5	9328.5	58.3	1915.5	9367.8	58.3
1796.0	9197.5	58.3	1836.0	9274.7	58.3	1876.0	9329.9	58.3	1916.0	9369.8	58.3
1796.5	9199.5	58.3	1836.5	9275.4	58.3	1876.5	9329.9	58.3	1916.5	9369.8	58.3
1797.0	9200.2	58.3	1837.0	9275.4	58.3	1877.0	9329.9	58.3	1917.0	9370.5	58.3
1797.5	9200.9	58.3	1837.5	9276.1	58.3	1877.5	9330.5	58.3	1917.5	9371.9	58.3
1798.0	9201.6	58.3	1838.0	9278.1	58.3	1878.0	9331.2	58.3	1918.0	9371.9	58.3
1798.5	9202.3	58.3	1838.5	9277.5	58.3	1878.5	9334.0	58.3	1918.5	9371.9	58.3
1799.0	9203.0	58.3	1839.0	9279.5	58.3	1879.0	9332.6	58.3	1919.0	9371.9	58.3
1799.5	9204.4	58.3	1839.5	9280.2	58.3	1879.5	9334.0	58.3	1919.5	9371.9	58.3
1800.0	9205.1	58.3	1840.0	9281.6	58.3	1880.0	9334.7	58.3	1920.0	9372.6	58.3
1800.5	9207.1	58.3	1840.5	9282.3	58.3	1880.5	9334.7	58.3	1920.5	9372.6	58.3

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1921.0	9373.3	58.3	1961.0	16234.9	58.3	2001.0	16362.5	58.3	2041.0	16281.1	58.3
1921.5	9372.6	58.3	1961.5	16235.6	58.3	2001.5	16354.9	58.3	2041.5	16281.1	58.3
1922.0	9373.3	58.3	1962.0	16235.6	58.3	2002.0	16359.0	58.3	2042.0	16282.5	58.3
1922.5	9373.3	58.3	1962.5	16233.5	58.3	2002.5	16343.8	58.3	2042.5	16281.8	58.3
1923.0	9374.0	58.3	1963.0	16233.5	58.3	2003.0	16332.8	58.3	2043.0	16280.4	58.3
1923.5	9374.0	58.3	1963.5	16232.8	58.3	2003.5	16325.9	58.3	2043.5	16280.4	58.3
1924.0	9375.4	58.3	1964.0	16231.5	58.3	2004.0	16320.4	58.3	2044.0	16279.7	58.3
1924.5	9375.4	58.3	1964.5	16232.8	58.3	2004.5	16316.3	58.3	2044.5	16279.7	58.3
1925.0	9376.7	58.3	1965.0	16231.5	58.3	2005.0	16313.5	58.3	2045.0	16277.0	58.3
1925.5	9375.4	58.3	1965.5	16231.5	58.3	2005.5	16310.1	58.3	2045.5	16278.3	58.3
1926.0	9377.4	58.3	1966.0	16230.1	58.3	2006.0	16308.0	58.3	2046.0	16279.7	58.3
1926.5	9378.1	58.3	1966.5	16228.0	58.3	2006.5	16305.9	58.3	2046.5	16279.7	58.3
1927.0	9379.5	58.3	1967.0	16228.0	58.3	2007.0	16302.5	58.3	2047.0	16278.3	58.3
1927.5	9379.5	58.3	1967.5	16227.3	58.3	2007.5	16301.1	58.3	2047.5	16278.3	58.3
1928.0	9378.8	58.3	1968.0	16227.3	58.3	2008.0	16300.4	58.3	2048.0	16278.3	58.3
1928.5	9379.5	58.3	1968.5	16226.6	58.3	2008.5	16300.4	58.3	2048.5	16278.3	58.3
1929.0	9379.5	58.3	1969.0	16226.6	58.3	2009.0	16298.3	58.3	2049.0	16277.0	58.3
1929.5	9381.6	58.3	1969.5	16225.9	58.3	2009.5	16296.3	58.3	2049.5	16278.3	58.3
1930.0	9380.9	58.3	1970.0	16226.6	58.3	2010.0	16294.9	58.3	2050.0	16277.6	58.3
1930.5	9381.6	58.3	1970.5	16226.6	58.3	2010.5	16297.0	58.3	2050.5	16279.7	58.3
1931.0	9382.3	58.3	1971.0	16225.9	58.3	2011.0	16294.9	58.3	2051.0	16278.3	58.3
1931.5	9382.3	58.3	1971.5	16225.9	58.3	2011.5	16294.2	58.3	2051.5	16277.6	58.3
1932.0	9383.6	58.3	1972.0	16225.2	58.3	2012.0	16294.2	58.3	2052.0	16276.3	58.3
1932.5	9382.3	58.3	1972.5	16225.2	58.3	2012.5	16291.4	58.3	2052.5	16277.6	58.3
1933.0	9382.3	58.3	1973.0	16225.2	58.3	2013.0	16290.7	58.3	2053.0	16277.6	58.3
1933.5	9383.6	58.3	1973.5	16223.9	58.3	2013.5	16290.1	58.3	2053.5	16277.0	58.3
1934.0	9383.6	58.3	1974.0	16223.9	58.3	2014.0	16290.7	58.3	2054.0	16277.6	58.3
1934.5	9383.6	58.3	1974.5	16223.2	58.3	2014.5	16290.7	58.3	2054.5	16277.6	58.3
1935.0	9383.6	58.3	1975.0	16596.2	58.3	2015.0	16290.7	58.3	2055.0	16276.3	58.3
1935.5	9385.0	58.3	1975.5	16393.5	58.3	2015.5	16290.7	58.3	2055.5	16276.3	58.3
1936.0	9386.4	58.3	1976.0	16372.1	58.3	2016.0	16288.7	58.3	2056.0	16277.0	58.3
1936.5	9385.7	58.3	1976.5	16356.9	58.3	2016.5	16291.4	58.3	2056.5	16276.3	58.3
1937.0	9385.7	58.3	1977.0	16343.1	58.3	2017.0	16288.0	58.3	2057.0	16277.0	58.3
1937.5	9385.7	58.3	1977.5	16330.7	58.3	2017.5	16288.0	58.3	2057.5	16277.0	58.3
1938.0	9386.4	58.3	1978.0	16499.7	58.3	2018.0	16288.7	58.3	2058.0	16276.3	58.3
1938.5	9386.4	58.3	1978.5	16403.1	58.3	2018.5	16288.0	58.3	2058.5	16276.3	58.3
1939.0	9387.1	58.3	1979.0	16383.1	58.3	2019.0	16289.4	58.3	2059.0	16277.6	58.3
1939.5	9387.1	58.3	1979.5	16367.3	58.3	2019.5	16286.6	58.3	2059.5	16274.2	58.3
1940.0	9387.1	58.3	1980.0	16359.7	58.3	2020.0	16286.6	58.3	2060.0	16275.6	58.3
1940.5	9387.8	58.3	1980.5	16348.7	58.3	2020.5	16287.3	58.3	2060.5	16272.8	58.3
1941.0	9388.5	58.3	1981.0	16343.8	58.3	2021.0	16287.3	58.3	2061.0	16275.6	58.3
1941.5	9388.5	58.3	1981.5	16339.0	58.3	2021.5	16286.6	58.3	2061.5	16274.2	58.3
1942.0	9387.8	58.3	1982.0	16335.6	58.3	2022.0	16284.5	58.3	2062.0	16272.8	58.3
1942.5	9390.5	58.3	1982.5	16331.4	58.3	2022.5	16285.2	58.3	2062.5	16274.2	58.3
1943.0	9391.2	58.3	1983.0	16329.4	58.3	2023.0	16284.5	58.3	2063.0	16274.2	58.3
1943.5	9390.5	58.3	1983.5	16329.4	58.3	2023.5	16284.5	58.3	2063.5	16274.2	58.3
1944.0	9390.5	58.3	1984.0	16356.9	58.3	2024.0	16285.2	58.3	2064.0	16274.2	58.3
1944.5	9391.9	58.3	1984.5	16333.5	58.3	2024.5	16286.6	58.3	2064.5	16273.5	58.3
1945.0	9391.9	58.3	1985.0	16327.3	58.3	2025.0	16285.2	58.3	2065.0	16272.1	58.3
1945.5	9392.6	58.3	1985.5	16325.2	58.3	2025.5	16284.5	58.3	2065.5	16273.5	58.3
1946.0	9393.3	58.3	1986.0	16325.9	58.3	2026.0	16283.9	58.3	2066.0	16273.5	58.3
1946.5	9392.6	58.3	1986.5	16267.3	58.3	2026.5	16280.4	58.3	2066.5	16273.5	58.3
1947.0	9392.6	58.3	1987.0	16328.7	58.3	2027.0	16282.5	58.3	2067.0	16274.2	58.3
1947.5	9393.3	58.3	1987.5	16331.4	58.3	2027.5	16283.2	58.3	2067.5	16273.5	58.3
1948.0	9393.3	58.3	1988.0	16328.7	58.3	2028.0	16281.8	58.3	2068.0	16272.1	58.3
1948.5	9576.7	58.3	1988.5	16389.3	58.3	2028.5	16279.7	58.3	2068.5	16273.5	58.3
1949.0	16159.7	58.3	1989.0	16356.9	58.3	2029.0	16281.8	58.3	2069.0	16272.8	58.3
1949.5	16183.9	58.3	1989.5	16394.2	58.3	2029.5	16283.2	58.3	2069.5	16274.2	58.3
1950.0	16197.0	58.3	1990.0	16381.1	58.3	2030.0	16282.5	58.3	2070.0	16272.8	58.3
1950.5	16209.4	58.3	1990.5	16372.8	58.3	2030.5	16282.5	58.3	2070.5	16272.1	58.3
1951.0	16217.0	58.3	1991.0	16361.1	58.3	2031.0	16280.4	58.3	2071.0	16272.8	58.3
1951.5	16221.8	58.3	1991.5	16350.7	58.3	2031.5	16279.7	58.3	2071.5	16272.8	58.3
1952.0	16224.6	58.3	1992.0	16342.5	58.3	2032.0	16279.7	58.3	2072.0	16270.8	58.3
1952.5	16233.5	58.3	1992.5	16336.3	58.3	2032.5	16281.8	58.3	2072.5	16273.5	58.3
1953.0	16254.2	58.3	1993.0	16332.1	58.3	2033.0	16278.3	58.3	2073.0	16270.8	58.3
1953.5	16253.5	58.3	1993.5	16327.3	58.3	2033.5	16281.1	58.3	2073.5	16272.1	58.3
1954.0	16251.4	58.3	1994.0	16325.9	58.3	2034.0	16278.3	58.3	2074.0	16272.1	58.3
1954.5	16250.1	58.3	1994.5	16325.2	58.3	2034.5	16277.6	58.3	2074.5	16270.1	58.3
1955.0	16248.0	58.3	1995.0	16323.2	58.3	2035.0	16277.6	58.3	2075.0	16270.1	58.3
1955.5	16244.6	58.3	1995.5	16319.7	58.3	2035.5	16277.0	58.3	2075.5	16272.1	58.3
1956.0	16244.6	58.3	1996.0	16318.3	58.3	2036.0	16277.6	58.3	2076.0	16268.7	58.3
1956.5	16241.8	58.3	1996.5	16313.5	58.3	2036.5	16276.3	58.3	2076.5	16269.4	58.3
1957.0	16241.1	58.3	1997.0	16313.5	58.3	2037.0	16277.6	58.3	2077.0	16268.7	58.3
1957.5	16239.7	58.3	1997.5	16314.9	58.3	2037.5	16276.3	58.3	2077.5	16268.0	58.3
1958.0	16238.3	58.3	1998.0	16312.8	58.3	2038.0	16275.6	58.3	2078.0	16268.7	58.3
1958.5	16238.3	58.3	1998.5	16312.1	58.3	2038.5	16278.3	58.3	2078.5	16268.7	58.3
1959.0	16237.7	58.3	1999.0	16418.3	58.3	2039.0	16279.7	58.3	2079.0	16269.4	58.3
1959.5	16237.7	58.3	1999.5	16387.3	58.3	2039.5	16281.8	58.3	2079.5	16268.7	58.3
1960.0	16238.3	58.3	2000.0	16374.9	58.3	2040.0	16281.1	58.3	2080.0	16268.7	58.3
1960.5	16237.7	58.3	2000.5	16381.1	58.3	2040.5	16281.8	58.3	2080.5	16269.4	58.3

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2081.0	16269.4	58.3	2121.0	16313.5	58.2	2161.0	15608.2	56.3	2201.0	14363.0	52.2
2081.5	16270.1	58.3	2121.5	16309.4	58.2	2161.5	15606.8	56.3	2201.5	14363.7	52.1
2082.0	16272.8	58.3	2122.0	16081.8	58.1	2162.0	15604.7	56.3	2202.0	14362.3	52.0
2082.5	16312.8	58.3	2122.5	16285.2	58.0	2162.5	15602.0	56.3	2202.5	14346.4	52.0
2083.0	16287.3	58.3	2123.0	16394.2	58.0	2163.0	15599.2	56.3	2203.0	14347.8	51.9
2083.5	16277.0	58.3	2123.5	16382.4	57.9	2163.5	15375.8	56.3	2203.5	14349.2	51.9
2084.0	16276.3	58.3	2124.0	16370.0	57.8	2164.0	15308.9	56.3	2204.0	14348.5	51.8
2084.5	16274.9	58.3	2124.5	16359.7	57.8	2164.5	15505.4	56.3	2204.5	14347.1	51.7
2085.0	16274.9	58.3	2125.0	16350.0	57.8	2165.0	15502.7	56.2	2205.0	14346.4	51.7
2085.5	16273.5	58.3	2125.5	16121.1	57.8	2165.5	15499.9	56.1	2205.5	14346.4	51.6
2086.0	16272.1	58.3	2126.0	16072.9	57.8	2166.0	15499.2	56.1	2206.0	14345.1	51.5
2086.5	16270.8	58.3	2126.5	16323.2	57.8	2166.5	15245.5	56.0	2206.5	14178.2	51.5
2087.0	16270.8	58.3	2127.0	16311.4	57.8	2167.0	15398.6	55.9	2207.0	14107.2	51.4
2087.5	16270.1	58.3	2127.5	16302.5	57.8	2167.5	15400.0	55.9	2207.5	14265.8	51.3
2088.0	16270.8	58.3	2128.0	16296.3	57.8	2168.0	15400.6	55.8	2208.0	14267.8	51.3
2088.5	16270.1	58.3	2128.5	16285.2	57.8	2168.5	15398.6	55.8	2208.5	14265.1	51.2
2089.0	16270.1	58.3	2129.0	16282.5	57.8	2169.0	15398.6	55.7	2209.0	14081.0	51.2
2089.5	16272.1	58.3	2129.5	16277.0	57.8	2169.5	15395.1	55.6	2209.5	14345.8	51.1
2090.0	16270.8	58.3	2130.0	16273.5	57.8	2170.0	15393.7	55.6	2210.0	14075.5	51.0
2090.5	16270.1	58.3	2130.5	16268.7	57.8	2170.5	15159.3	55.5	2210.5	14169.2	51.0
2091.0	16270.1	58.3	2131.0	16264.5	57.8	2171.0	15129.0	55.4	2211.0	14167.9	50.9
2091.5	16269.4	58.3	2131.5	16263.9	57.8	2171.5	15291.0	55.4	2211.5	14167.2	50.8
2092.0	16269.4	58.3	2132.0	16259.7	57.8	2172.0	15289.6	55.3	2212.0	14165.1	50.8
2092.5	16268.7	58.3	2132.5	16257.0	57.8	2172.5	15290.3	55.3	2212.5	14163.7	50.7
2093.0	16268.0	58.3	2133.0	16254.2	57.8	2173.0	15289.6	55.2	2213.0	13953.4	50.7
2093.5	16266.6	58.3	2133.5	16252.1	57.8	2173.5	15055.2	55.1	2213.5	14050.0	50.6
2094.0	16267.3	58.3	2134.0	16248.0	57.8	2174.0	15195.9	55.1	2214.0	14050.0	50.5
2094.5	16268.0	58.3	2134.5	16077.7	57.8	2174.5	15195.2	55.0	2214.5	14050.0	50.5
2095.0	16268.0	58.3	2135.0	16021.2	57.8	2175.0	15193.8	54.9	2215.0	14049.3	50.4
2095.5	16267.3	58.3	2135.5	15987.4	57.8	2175.5	15194.5	54.9	2215.5	13861.7	50.3
2096.0	16266.6	58.3	2136.0	16188.0	57.8	2176.0	15193.8	54.8	2216.0	13945.2	50.3
2096.5	16266.6	58.3	2136.5	16261.8	57.8	2176.5	15190.4	54.8	2216.5	13947.2	50.2
2097.0	16268.0	58.3	2137.0	16246.6	57.8	2177.0	15189.0	54.8	2217.0	13946.5	50.2
2097.5	16266.6	58.3	2137.5	16234.2	57.8	2177.5	15187.6	54.8	2217.5	13793.5	50.1
2098.0	16265.9	58.3	2138.0	16226.6	57.8	2178.0	14951.1	54.8	2218.0	13725.2	50.0
2098.5	16267.3	58.3	2138.5	16221.8	57.8	2178.5	15096.6	54.8	2218.5	13848.0	50.0
2099.0	16266.6	58.3	2139.0	16216.3	57.8	2179.0	15093.8	54.8	2219.0	13848.0	49.9
2099.5	16268.0	58.3	2139.5	16210.8	57.8	2179.5	15093.8	54.8	2219.5	13847.3	49.8
2100.0	16265.9	58.3	2140.0	16204.6	57.8	2180.0	15091.1	54.8	2220.0	13653.5	49.8
2100.5	16265.9	58.3	2140.5	16068.0	57.8	2180.5	14878.0	54.8	2220.5	13740.4	49.7
2101.0	16266.6	58.3	2141.0	15970.1	57.8	2181.0	14838.0	54.7	2221.0	13743.8	49.6
2101.5	16265.9	58.3	2141.5	15912.2	57.8	2181.5	14982.8	54.6	2221.5	13742.5	49.6
2102.0	16265.2	58.3	2142.0	16099.8	57.8	2182.0	14982.8	54.6	2222.0	13586.6	49.5
2102.5	16265.2	58.3	2142.5	16097.0	57.8	2182.5	14981.4	54.5	2222.5	13511.5	49.5
2103.0	16265.9	58.3	2143.0	16128.7	57.8	2183.0	14980.1	54.4	2223.0	13640.4	49.4
2103.5	16031.5	58.3	2143.5	16121.1	57.8	2183.5	14978.7	54.4	2223.5	13639.7	49.3
2104.0	16265.9	58.3	2144.0	16118.4	57.8	2184.0	14978.7	54.3	2224.0	13639.7	49.3
2104.5	16294.2	58.3	2144.5	16110.1	57.8	2184.5	14758.1	54.2	2224.5	13448.1	49.2
2105.0	16297.0	58.3	2145.0	16105.3	57.7	2185.0	14873.2	54.2	2225.0	13534.9	49.1
2105.5	16297.0	58.3	2145.5	15909.5	57.6	2185.5	14920.1	54.1	2225.5	13530.1	49.1
2106.0	16296.3	58.3	2146.0	15837.8	57.6	2186.0	14896.6	54.1	2226.0	13531.5	49.0
2106.5	16294.9	58.3	2146.5	16059.1	57.5	2186.5	14892.5	54.0	2226.5	13403.2	49.0
2107.0	16292.1	58.3	2147.0	16026.7	57.5	2187.0	14891.1	53.9	2227.0	13310.9	48.9
2107.5	16290.1	58.3	2147.5	16021.2	57.4	2187.5	14656.7	53.9	2227.5	13421.9	48.8
2108.0	16288.7	58.3	2148.0	16017.0	57.3	2188.0	14769.1	53.8	2228.0	13423.2	48.8
2108.5	16288.0	58.3	2148.5	16011.5	57.3	2188.5	14772.5	53.7	2228.5	13425.3	48.7
2109.0	16285.2	58.3	2149.0	15805.4	57.3	2189.0	14772.5	53.7	2229.0	13254.3	48.6
2109.5	16283.9	58.3	2149.5	15718.5	57.3	2189.5	14772.5	53.6	2229.5	13206.7	48.6
2110.0	16281.8	58.3	2150.0	15934.3	57.3	2190.0	14771.8	53.6	2230.0	13322.6	48.5
2110.5	16280.4	58.3	2150.5	15925.3	57.3	2190.5	14769.8	53.5	2230.5	13322.6	48.5
2111.0	16279.7	58.3	2151.0	15921.2	57.3	2191.0	14537.4	53.4	2231.0	13321.9	48.4
2111.5	16278.3	58.3	2151.5	15915.7	57.3	2191.5	14662.2	53.4	2231.5	13117.8	48.3
2112.0	16277.0	58.3	2152.0	15655.1	57.3	2192.0	14665.7	53.3	2232.0	13218.5	48.3
2112.5	16276.3	58.3	2152.5	15708.1	57.3	2192.5	14666.4	53.2	2232.5	13219.8	48.2
2113.0	16274.9	58.3	2153.0	15808.1	57.2	2193.0	14667.0	53.2	2233.0	13217.8	48.1
2113.5	16427.3	58.3	2153.5	15807.4	57.1	2193.5	14664.3	53.1	2233.5	13051.6	48.1
2114.0	16283.9	58.3	2154.0	15806.0	57.1	2194.0	14485.0	53.1	2234.0	12977.8	48.0
2114.5	16442.4	58.3	2154.5	15804.0	57.0	2194.5	14405.7	53.0	2234.5	13104.0	47.9
2115.0	16473.5	58.3	2155.0	15801.9	57.0	2195.0	14562.9	52.9	2235.0	13104.7	47.9
2115.5	16386.6	58.3	2155.5	15799.8	56.9	2195.5	14562.9	52.9	2235.5	13105.4	47.8
2116.0	16369.3	58.3	2156.0	15797.1	56.8	2196.0	14562.2	52.8	2236.0	12933.0	47.8
2116.5	16361.1	58.3	2156.5	15533.7	56.8	2196.5	14562.2	52.7	2236.5	12888.9	47.7
2117.0	16351.4	58.3	2157.0	15707.5	56.7	2197.0	14723.6	52.7	2237.0	12995.1	47.6
2117.5	16345.9	58.3	2157.5	15704.7	56.6	2197.5	14338.2	52.6	2237.5	12995.8	47.6
2118.0	16338.3	58.3	2158.0	15719.2	56.6	2198.0	14577.4	52.5	2238.0	12996.5	47.5
2118.5	16334.2	58.3	2158.5	15715.7	56.5	2198.5	14466.4	52.5	2238.5	12794.4	47.4
2119.0	16328.7	58.3	2159.0	15711.6	56.5	2199.0	14465.7	52.4	2239.0	12906.8	47.4
2119.5	16323.8	58.3	2159.5	15668.2	56.4	2199.5	14465.0	52.4	2239.5	12906.8	47.3
2120.0	16319.0	58.3	2160.0	15437.9	56.3	2200.0	14327.1	52.3	2240.0	12906.1	47.3
2120.5	16316.3	58.3	2160.5	15617.8	56.3	2200.5	14212.7	52.2	2240.5	12746.9	47.2

TEST REFERENCE#: 301215B

FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elaped time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2241.0	12697.9	47.1	2281.0	11443.8	42.2	2321.0	9659.4	37.5	2361.0	8891.4	34.6
2241.5	12798.6	47.1	2281.5	11308.6	42.2	2321.5	9659.4	37.5	2361.5	8891.4	34.6
2242.0	12799.3	47.0	2282.0	11233.5	42.2	2322.0	9658.0	37.4	2362.0	8889.3	34.6
2242.5	12799.3	46.9	2282.5	11341.7	42.2	2322.5	9656.0	37.4	2362.5	8889.3	34.6
2243.0	12605.5	46.9	2283.0	11341.0	42.2	2323.0	9657.4	37.3	2363.0	8890.0	34.6
2243.5	12693.8	46.8	2283.5	11339.7	42.2	2323.5	9536.7	37.2	2363.5	8887.9	34.6
2244.0	12696.5	46.7	2284.0	11339.0	42.2	2324.0	9635.3	37.2	2364.0	8889.3	34.6
2244.5	12696.5	46.7	2284.5	11338.3	42.1	2324.5	9553.9	37.1	2364.5	8886.5	34.6
2245.0	12574.5	46.6	2285.0	11190.0	42.1	2325.0	9553.2	37.0	2365.0	8887.9	34.5
2245.5	12488.3	46.6	2285.5	11299.0	42.0	2325.5	9552.6	37.0	2365.5	8889.3	34.5
2246.0	12588.3	46.5	2286.0	11230.7	42.0	2326.0	9400.2	36.9	2366.0	8887.9	34.4
2246.5	12589.7	46.4	2286.5	11229.3	41.9	2326.5	9445.7	36.8	2366.5	8889.3	34.3
2247.0	12590.4	46.4	2287.0	11230.0	41.8	2327.0	9447.8	36.8	2367.0	8887.2	34.3
2247.5	12589.7	46.3	2287.5	11072.1	41.8	2327.5	9447.8	36.7	2367.5	8887.9	34.2
2248.0	12418.7	46.2	2288.0	11132.1	41.7	2328.0	9333.3	36.7	2368.0	8887.9	34.1
2248.5	12377.3	46.2	2288.5	11132.8	41.6	2328.5	9258.8	36.6	2368.5	8887.9	34.1
2249.0	12486.3	46.1	2289.0	11131.4	41.6	2329.0	9338.1	36.5	2369.0	8887.9	34.1
2249.5	12485.6	46.1	2289.5	11130.1	41.5	2329.5	9338.1	36.5	2369.5	8886.5	34.1
2250.0	12487.6	46.0	2290.0	10959.1	41.5	2330.0	9336.8	36.4	2370.0	8886.5	34.1
2250.5	12308.4	45.9	2290.5	11019.1	41.4	2330.5	9256.1	36.3	2370.5	8887.2	34.1
2251.0	12386.3	45.9	2291.0	11018.4	41.3	2331.0	9185.8	36.3	2371.0	8886.5	34.1
2251.5	12387.0	45.8	2291.5	11017.0	41.3	2331.5	9232.0	36.2	2371.5	8886.5	34.1
2252.0	12387.0	45.7	2292.0	10899.1	41.2	2332.0	9232.0	36.2	2372.0	8885.1	34.1
2252.5	12387.0	45.7	2292.5	10827.4	41.1	2332.5	9232.0	36.2	2372.5	8886.5	34.1
2253.0	12227.0	45.6	2293.0	10912.9	41.1	2333.0	9232.0	36.2	2373.0	8886.5	34.1
2253.5	12289.1	45.6	2293.5	10912.2	41.0	2333.5	9232.0	36.2	2373.5	8885.8	34.1
2254.0	12276.7	45.5	2294.0	10800.5	41.0	2334.0	9122.3	36.2	2374.0	8885.1	34.1
2254.5	12277.3	45.4	2294.5	10740.5	40.9	2334.5	9244.4	36.2	2374.5	8885.1	34.1
2255.0	12276.7	45.4	2295.0	10806.7	40.8	2335.0	9132.7	36.2	2375.0	8885.8	34.1
2255.5	12096.7	45.3	2295.5	10806.0	40.8	2335.5	9131.3	36.2	2375.5	8885.8	34.1
2256.0	12175.3	45.2	2296.0	10806.7	40.7	2336.0	9131.3	36.2	2376.0	8885.1	34.1
2256.5	12175.3	45.2	2296.5	10683.3	40.6	2336.5	9031.3	36.1	2376.5	8885.8	34.1
2257.0	12174.6	45.1	2297.0	10630.9	40.6	2337.0	8943.1	36.0	2377.0	8885.1	34.1
2257.5	12034.6	45.0	2297.5	10702.6	40.5	2337.5	9019.6	36.0	2377.5	8884.5	34.1
2258.0	11956.7	45.0	2298.0	10703.3	40.4	2338.0	9018.9	35.9	2378.0	8884.5	34.1
2258.5	12076.7	44.9	2298.5	10701.2	40.4	2338.5	9018.9	35.8	2378.5	8885.1	34.1
2259.0	12076.0	44.9	2299.0	10559.9	40.3	2339.0	9016.8	35.8	2379.0	8883.8	34.1
2259.5	12076.7	44.8	2299.5	10594.3	40.3	2339.5	9018.2	35.7	2379.5	8885.1	34.1
2260.0	11899.5	44.7	2300.0	10595.0	40.2	2340.0	8907.2	35.6	2380.0	8883.8	34.1
2260.5	11978.8	44.7	2300.5	10594.3	40.1	2340.5	8872.0	35.6	2380.5	8884.5	34.1
2261.0	11978.1	44.6	2301.0	10502.0	40.1	2341.0	8911.3	35.6	2381.0	8884.5	34.1
2261.5	11978.8	44.5	2301.5	10414.4	40.0	2341.5	8912.7	35.6	2381.5	8884.5	34.1
2262.0	11978.8	44.5	2302.0	10494.4	39.9	2342.0	8911.3	35.6	2382.0	8884.5	34.1
2262.5	11834.7	44.4	2302.5	10493.0	39.9	2342.5	8909.3	35.6	2382.5	8884.5	34.1
2263.0	11758.9	44.4	2303.0	10492.3	39.8	2343.0	8908.6	35.6	2383.0	8883.1	34.1
2263.5	11863.7	44.3	2303.5	10351.7	39.8	2343.5	8907.2	35.6	2383.5	8883.8	34.1
2264.0	11863.7	44.2	2304.0	10395.8	39.7	2344.0	8906.5	35.6	2384.0	8883.1	34.1
2264.5	11863.0	44.2	2304.5	10391.0	39.6	2344.5	8905.8	35.6	2384.5	8882.4	34.1
2265.0	11693.4	44.1	2305.0	10389.6	39.6	2345.0	8904.5	35.5	2385.0	8883.1	34.1
2265.5	11727.1	44.0	2305.5	10271.0	39.5	2345.5	8904.5	35.5	2385.5	8883.1	34.1
2266.0	11758.2	44.0	2306.0	10209.6	39.4	2346.0	8903.1	35.4	2386.0	8882.4	34.1
2266.5	11758.9	43.9	2306.5	10282.7	39.4	2346.5	8902.4	35.3	2386.5	8882.4	34.1
2267.0	11758.2	43.9	2307.0	10281.3	39.3	2347.0	8901.0	35.3	2387.0	8882.4	34.1
2267.5	11757.5	43.8	2307.5	10281.3	39.2	2347.5	8901.7	35.2	2387.5	8882.4	34.1
2268.0	11756.8	43.7	2308.0	10179.3	39.2	2348.0	8900.3	35.1	2388.0	8882.4	34.1
2268.5	11755.4	43.7	2308.5	10097.2	39.1	2348.5	8900.3	35.1	2388.5	8882.4	34.1
2269.0	11754.7	43.6	2309.0	10181.4	39.1	2349.0	8898.9	35.1	2389.0	8883.1	34.0
2269.5	11753.3	43.5	2309.5	10180.7	39.0	2349.5	8897.6	35.1	2389.5	8881.7	33.9
2270.0	11754.0	43.5	2310.0	10180.0	38.9	2350.0	8896.9	35.1	2390.0	8882.4	33.9
2270.5	11753.3	43.4	2310.5	10062.1	38.9	2350.5	8895.5	35.1	2390.5	8882.4	33.8
2271.0	11752.0	43.3	2311.0	10011.7	38.8	2351.0	8894.8	35.1	2391.0	8882.4	33.8
2271.5	11751.3	43.3	2311.5	10080.7	38.7	2351.5	8895.5	35.1	2391.5	8883.1	33.7
2272.0	11750.6	43.2	2312.0	10077.9	38.7	2352.0	8894.8	35.1	2392.0	8882.4	33.6
2272.5	11750.6	43.2	2312.5	10078.6	38.6	2352.5	8893.4	35.1	2392.5	8882.4	33.6
2273.0	11607.9	43.1	2313.0	9960.7	38.6	2353.0	8893.4	35.0	2393.0	8882.4	33.6
2273.5	11567.2	43.0	2313.5	9883.5	38.5	2353.5	8894.1	35.0	2393.5	8881.7	33.6
2274.0	11652.7	43.0	2314.0	9962.1	38.4	2354.0	8894.1	34.9	2394.0	8882.4	33.6
2274.5	11652.0	42.9	2314.5	9962.8	38.4	2354.5	8892.7	34.8	2394.5	8883.1	33.6
2275.0	11652.0	42.8	2315.0	9854.5	38.3	2355.0	8892.7	34.8	2395.0	8882.4	33.6
2275.5	11652.0	42.8	2315.5	9794.6	38.2	2355.5	8893.4	34.7	2395.5	8881.7	33.6
2276.0	11527.9	42.7	2316.0	9861.4	38.2	2356.0	8893.4	34.6	2396.0	8881.7	33.6
2276.5	11461.0	42.7	2316.5	9860.7	38.1	2356.5	8892.0	34.6	2396.5	8881.7	33.6
2277.0	11518.9	42.6	2317.0	9860.7	38.0	2357.0	8892.0	34.6	2397.0	8882.4	33.6
2277.5	11547.9	42.5	2317.5	9860.7	38.0	2357.5	8891.4	34.6	2397.5	8881.7	33.6
2278.0	11547.2	42.5	2318.0	9754.6	37.9	2358.0	8891.4	34.6	2398.0	8882.4	33.6
2278.5	11547.2	42.4	2318.5	9684.2	37.9	2358.5	8892.0	34.6	2398.5	8881.7	33.6
2279.0	11408.6	42.3	2319.0	9760.1	37.8	2359.0	8890.7	34.6	2399.0	8881.7	33.6
2279.5	11333.5	42.3	2319.5	9760.8	37.7	2359.5	8891.4	34.6	2399.5	8883.1	33.6
2280.0	11444.5	42.2	2320.0	9676.7	37.7	2360.0	8890.7	34.6	2400.0	8881.7	33.6
2280.5	11444.5	42.2	2320.5	9610.5	37.6	2360.5	8891.4	34.6	2400.5	8881.7	33.6

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2401.0	8882.4	33.6	2441.0	8878.3	33.1	2481.0	8877.6	33.1	2521.0	8897.6	33.1
2401.5	8881.7	33.6	2441.5	8879.6	33.1	2481.5	8877.6	33.1	2521.5	8896.9	33.1
2402.0	8881.7	33.6	2442.0	8880.3	33.1	2482.0	8877.6	33.1	2522.0	8895.5	33.1
2402.5	8881.7	33.6	2442.5	8877.6	33.1	2482.5	8876.9	33.1	2522.5	8893.4	33.1
2403.0	8881.7	33.6	2443.0	8878.9	33.1	2483.0	8877.6	33.1	2523.0	8893.4	33.1
2403.5	8881.7	33.6	2443.5	8878.9	33.1	2483.5	8877.6	33.1	2523.5	8892.0	33.1
2404.0	8881.7	33.6	2444.0	8879.6	33.1	2484.0	8878.9	33.1	2524.0	8892.7	33.1
2404.5	8882.4	33.6	2444.5	8878.9	33.1	2484.5	8878.9	33.1	2524.5	8889.3	33.1
2405.0	8880.3	33.6	2445.0	8878.9	33.1	2485.0	8877.6	33.1	2525.0	8889.3	33.0
2405.5	8881.7	33.6	2445.5	8878.9	33.1	2485.5	8876.9	33.1	2525.5	8887.9	32.9
2406.0	8879.6	33.6	2446.0	8878.9	33.1	2486.0	8878.3	33.1	2526.0	8886.5	32.9
2406.5	8880.3	33.6	2446.5	8879.6	33.1	2486.5	8878.9	33.1	2526.5	8887.2	32.8
2407.0	8881.7	33.6	2447.0	8878.9	33.1	2487.0	8878.3	33.1	2527.0	8885.1	32.7
2407.5	8882.4	33.6	2447.5	8878.9	33.1	2487.5	8877.6	33.1	2527.5	8798.3	32.7
2408.0	8881.7	33.6	2448.0	8878.9	33.1	2488.0	8878.9	33.1	2528.0	8801.7	32.6
2408.5	8880.3	33.6	2448.5	8878.3	33.1	2488.5	8877.6	33.1	2528.5	8805.9	32.6
2409.0	8881.7	33.6	2449.0	8878.9	33.1	2489.0	8878.9	33.1	2529.0	8823.8	32.6
2409.5	8880.3	33.6	2449.5	8878.3	33.1	2489.5	8877.6	33.1	2529.5	8818.3	32.6
2410.0	8880.3	33.6	2450.0	8878.9	33.1	2490.0	8877.6	33.1	2530.0	8820.3	32.6
2410.5	8880.3	33.6	2450.5	8878.9	33.1	2490.5	8877.6	33.1	2530.5	8830.0	32.6
2411.0	8880.3	33.6	2451.0	8879.6	33.1	2491.0	8878.3	33.1	2531.0	8830.0	32.6
2411.5	8881.7	33.6	2451.5	8878.9	33.1	2491.5	8877.6	33.1	2531.5	8821.7	32.6
2412.0	8879.6	33.6	2452.0	8878.3	33.1	2492.0	8877.6	33.1	2532.0	8832.8	32.6
2412.5	8881.7	33.6	2452.5	8879.6	33.1	2492.5	8877.6	33.1	2532.5	8823.1	32.6
2413.0	8879.6	33.6	2453.0	8877.6	33.1	2493.0	8877.6	33.1	2533.0	8827.9	32.6
2413.5	8879.6	33.6	2453.5	8878.9	33.1	2493.5	8877.6	33.1	2533.5	8828.6	32.6
2414.0	8881.7	33.6	2454.0	8877.6	33.1	2494.0	8877.6	33.1	2534.0	8823.8	32.6
2414.5	8879.6	33.6	2454.5	8878.3	33.1	2494.5	8876.9	33.1	2534.5	8834.8	32.6
2415.0	8879.6	33.6	2455.0	8878.3	33.1	2495.0	8877.6	33.1	2535.0	8837.6	32.6
2415.5	8880.3	33.6	2455.5	8878.9	33.1	2495.5	8876.2	33.1	2535.5	8828.6	32.6
2416.0	8880.3	33.6	2456.0	8878.9	33.1	2496.0	8878.3	33.1	2536.0	8832.8	32.6
2416.5	8880.3	33.6	2456.5	8878.9	33.1	2496.5	8877.6	33.1	2536.5	8827.2	32.6
2417.0	8879.6	33.6	2457.0	8878.3	33.1	2497.0	8876.2	33.1	2537.0	8828.6	32.6
2417.5	8879.6	33.6	2457.5	8878.3	33.1	2497.5	8872.7	33.1	2537.5	8834.8	32.6
2418.0	8879.6	33.6	2458.0	8877.6	33.1	2498.0	8871.4	33.1	2538.0	8842.4	32.6
2418.5	8879.6	33.6	2458.5	8877.6	33.1	2498.5	8870.0	33.1	2538.5	8843.1	32.6
2419.0	8878.9	33.6	2459.0	8878.3	33.1	2499.0	8869.3	33.1	2539.0	8842.4	32.6
2419.5	8880.3	33.6	2459.5	8878.9	33.1	2499.5	8868.6	33.1	2539.5	8846.5	32.6
2420.0	8878.3	33.6	2460.0	8878.9	33.1	2500.0	8864.5	33.1	2540.0	8849.3	32.6
2420.5	8880.3	33.6	2460.5	8878.9	33.1	2500.5	8864.5	33.1	2540.5	8847.2	32.6
2421.0	8879.6	33.6	2461.0	8878.3	33.1	2501.0	8861.7	33.1	2541.0	8850.0	32.6
2421.5	8882.4	33.6	2461.5	8878.3	33.1	2501.5	8861.0	33.1	2541.5	8849.3	32.6
2422.0	8879.6	33.6	2462.0	8878.3	33.1	2502.0	8859.0	33.1	2542.0	8847.9	32.6
2422.5	8879.6	33.6	2462.5	8878.9	33.1	2502.5	8857.6	33.1	2542.5	8846.5	32.6
2423.0	8878.9	33.6	2463.0	8878.3	33.1	2503.0	8857.6	33.1	2543.0	8847.2	32.6
2423.5	8879.6	33.6	2463.5	8877.6	33.1	2503.5	8855.5	33.1	2543.5	8856.2	32.6
2424.0	8878.9	33.6	2464.0	8878.3	33.1	2504.0	8854.1	33.1	2544.0	8855.5	32.6
2424.5	8879.6	33.6	2464.5	8877.6	33.1	2504.5	8852.1	33.1	2544.5	8854.8	32.6
2425.0	8880.3	33.6	2465.0	8878.3	33.1	2505.0	8850.0	33.1	2545.0	8855.5	32.6
2425.5	8880.3	33.6	2465.5	8877.6	33.1	2505.5	8850.0	33.1	2545.5	8854.1	32.6
2426.0	8878.9	33.6	2466.0	8877.6	33.1	2506.0	8847.9	33.1	2546.0	8861.0	32.6
2426.5	8878.3	33.6	2466.5	8877.6	33.1	2506.5	8847.2	33.1	2546.5	8859.0	32.6
2427.0	8879.6	33.6	2467.0	8878.3	33.1	2507.0	8845.2	33.1	2547.0	8858.3	32.6
2427.5	8878.9	33.6	2467.5	8878.3	33.1	2507.5	8845.2	33.1	2547.5	8858.3	32.6
2428.0	8878.9	33.6	2468.0	8877.6	33.1	2508.0	8845.2	33.1	2548.0	8859.0	32.6
2428.5	8878.9	33.6	2468.5	8876.9	33.1	2508.5	8843.1	33.1	2548.5	8861.7	32.6
2429.0	8878.9	33.6	2469.0	8878.3	33.1	2509.0	8843.1	33.1	2549.0	8863.1	32.6
2429.5	8879.6	33.6	2469.5	8878.3	33.1	2509.5	8840.3	33.1	2549.5	8862.4	32.6
2430.0	8878.9	33.6	2470.0	8878.9	33.1	2510.0	8839.6	33.1	2550.0	8851.4	32.6
2430.5	8878.3	33.6	2470.5	8877.6	33.1	2510.5	8838.3	33.1	2550.5	8847.2	32.6
2431.0	8879.6	33.6	2471.0	8878.3	33.1	2511.0	8837.6	33.1	2551.0	9726.3	32.6
2431.5	8878.3	33.6	2471.5	8878.9	33.1	2511.5	8835.5	33.1	2551.5	10807.4	32.6
2432.0	8877.6	33.6	2472.0	8877.6	33.1	2512.0	8836.2	33.1	2552.0	11067.3	32.6
2432.5	8877.6	33.6	2472.5	8878.3	33.1	2512.5	8835.5	33.1	2552.5	10253.7	32.6
2433.0	8878.3	33.6	2473.0	8878.3	33.1	2513.0	8834.8	33.1	2553.0	9500.8	32.6
2433.5	8879.6	33.6	2473.5	8878.3	33.1	2513.5	8834.1	33.1	2553.5	10593.7	32.6
2434.0	8879.6	33.6	2474.0	8878.9	33.1	2514.0	8837.6	33.1	2554.0	10122.1	32.6
2434.5	8878.3	33.6	2474.5	8878.3	33.1	2514.5	9004.4	33.1	2554.5	9669.8	32.6
2435.0	8878.9	33.6	2475.0	8877.6	33.1	2515.0	8942.4	33.1	2555.0	10435.8	32.6
2435.5	8878.9	33.6	2475.5	8877.6	33.1	2515.5	8917.6	33.1	2555.5	10403.4	32.6
2436.0	8879.6	33.6	2476.0	8876.9	33.1	2516.0	8912.7	33.1	2556.0	10053.8	32.6
2436.5	8879.6	33.6	2476.5	8877.6	33.1	2516.5	8910.0	33.1	2556.5	10206.9	32.6
2437.0	8878.9	33.5	2477.0	8878.3	33.1	2517.0	8907.2	33.1	2557.0	9474.6	32.6
2437.5	8878.9	33.4	2477.5	8877.6	33.1	2517.5	8905.8	33.1	2557.5	9311.9	32.6
2438.0	8880.3	33.4	2478.0	8877.6	33.1	2518.0	8905.8	33.1	2558.0	9274.7	32.6
2438.5	8878.9	33.3	2478.5	8878.3	33.1	2518.5	8903.8	33.1	2558.5	9267.1	32.6
2439.0	8879.6	33.3	2479.0	8878.3	33.1	2519.0	8903.1	33.1	2559.0	9265.7	32.6
2439.5	8878.9	33.2	2479.5	8877.6	33.1	2519.5	8901.0	33.1	2559.5	9271.9	32.6
2440.0	8879.6	33.1	2480.0	8876.9	33.1	2520.0	8899.6	33.1	2560.0	9411.9	32.6
2440.5	8880.3	33.1	2480.5	8877.6	33.1	2520.5	8897.6	33.1	2560.5	10436.5	32.6

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2561.0	9947.6	32.6	2601.0	8836.2	32.6	2641.0	7389.7	31.0	2681.0	6251.4	27.4
2561.5	10375.8	32.6	2601.5	8838.3	32.6	2641.5	7375.9	30.9	2681.5	6251.4	27.4
2562.0	10035.2	32.6	2602.0	8839.6	32.6	2642.0	7406.2	30.9	2682.0	6250.7	27.3
2562.5	9798.7	32.6	2602.5	8838.3	32.6	2642.5	7408.3	30.8	2682.5	6251.4	27.3
2563.0	9725.6	32.6	2603.0	8838.3	32.6	2643.0	7350.4	30.7	2683.0	6250.7	27.2
2563.5	9875.2	32.6	2603.5	8838.3	32.6	2643.5	7267.7	30.7	2683.5	6250.0	27.1
2564.0	9225.7	32.6	2604.0	8838.3	32.6	2644.0	7313.8	30.6	2684.0	6250.7	27.1
2564.5	9957.3	32.6	2604.5	8838.3	32.6	2644.5	7313.2	30.5	2684.5	6250.0	27.1
2565.0	10161.4	32.6	2605.0	8837.6	32.6	2645.0	7312.5	30.5	2685.0	6249.3	27.1
2565.5	9878.7	32.6	2605.5	8836.9	32.6	2645.5	7311.1	30.4	2685.5	6250.0	27.1
2566.0	10131.0	32.6	2606.0	8836.2	32.6	2646.0	7241.5	30.3	2686.0	6250.0	27.1
2566.5	9498.1	32.6	2606.5	8836.2	32.6	2646.5	7160.8	30.3	2686.5	6249.3	27.1
2567.0	10533.7	32.6	2607.0	8836.2	32.6	2647.0	7205.6	30.2	2687.0	6250.0	27.1
2567.5	9955.2	32.6	2607.5	8836.2	32.6	2647.5	7209.0	30.2	2687.5	6250.0	27.1
2568.0	10215.1	32.6	2608.0	8835.5	32.6	2648.0	7209.0	30.1	2688.0	6249.3	27.1
2568.5	9879.4	32.6	2608.5	8738.3	32.6	2648.5	7110.5	30.0	2688.5	6250.0	27.1
2569.0	10422.7	32.6	2609.0	8688.0	32.6	2649.0	7128.4	30.0	2689.0	6249.3	27.1
2569.5	10343.4	32.6	2609.5	8743.8	32.6	2649.5	7105.6	29.9	2689.5	6248.6	27.1
2570.0	10139.3	32.6	2610.0	8750.0	32.6	2650.0	7102.2	29.8	2690.0	6249.3	27.1
2570.5	10313.0	32.6	2610.5	8750.7	32.6	2650.5	7102.2	29.8	2690.5	6249.3	27.1
2571.0	10225.5	32.6	2611.0	8750.7	32.6	2651.0	6982.2	29.7	2691.0	6249.3	27.1
2571.5	9646.3	32.6	2611.5	8759.0	32.6	2651.5	6993.2	29.7	2691.5	6249.3	27.1
2572.0	10360.6	32.6	2612.0	8759.7	32.6	2652.0	6999.4	29.6	2692.0	6250.0	27.1
2572.5	9907.6	32.6	2612.5	8634.2	32.6	2652.5	6998.1	29.6	2692.5	6250.0	27.0
2573.0	10370.3	32.6	2613.0	8659.7	32.6	2653.0	6916.7	29.6	2693.0	6247.9	26.9
2573.5	9444.3	32.6	2613.5	8663.8	32.6	2653.5	6849.1	29.6	2693.5	6247.9	26.9
2574.0	9126.5	32.6	2614.0	8662.5	32.6	2654.0	6886.4	29.6	2694.0	6248.6	26.8
2574.5	9060.3	32.6	2614.5	8661.8	32.6	2654.5	6884.3	29.6	2694.5	6249.3	26.7
2575.0	9038.2	32.6	2615.0	8661.1	32.6	2655.0	6884.3	29.6	2695.0	6250.7	26.7
2575.5	9026.5	32.6	2615.5	8542.5	32.6	2655.5	6762.3	29.6	2695.5	6250.0	26.6
2576.0	9022.4	32.6	2616.0	8616.9	32.6	2656.0	6775.4	29.6	2696.0	6249.3	26.6
2576.5	9018.9	32.6	2616.5	8554.2	32.6	2656.5	6775.4	29.5	2696.5	6156.9	26.6
2577.0	9017.5	32.6	2617.0	8554.9	32.6	2657.0	6774.0	29.5	2697.0	6152.8	26.6
2577.5	9027.2	32.6	2617.5	8476.3	32.6	2657.5	6774.0	29.4	2697.5	6145.9	26.6
2578.0	8864.5	32.6	2618.0	8384.6	32.6	2658.0	6663.7	29.3	2698.0	6148.6	26.6
2578.5	8861.7	32.6	2618.5	8442.5	32.6	2658.5	6609.9	29.3	2698.5	6145.9	26.6
2579.0	8860.3	32.6	2619.0	8443.2	32.6	2659.0	6662.3	29.2	2699.0	6147.3	26.6
2579.5	8857.6	32.6	2619.5	8442.5	32.6	2659.5	6661.6	29.1	2699.5	6045.2	26.6
2580.0	8847.9	32.6	2620.0	8283.2	32.6	2660.0	6662.3	29.1	2700.0	6040.4	26.6
2580.5	8843.1	32.6	2620.5	8281.9	32.6	2660.5	6601.6	29.0	2700.5	6041.1	26.5
2581.0	8837.6	32.6	2621.0	8328.7	32.5	2661.0	6526.5	29.0	2701.0	6040.4	26.4
2581.5	8832.1	32.6	2621.5	8330.1	32.4	2661.5	6549.9	28.9	2701.5	6040.4	26.4
2582.0	8826.5	32.6	2622.0	8332.9	32.4	2662.0	6549.9	28.8	2702.0	5953.5	26.3
2582.5	8827.9	32.6	2622.5	8346.0	32.3	2662.5	6548.5	28.8	2702.5	5894.9	26.2
2583.0	8829.3	32.6	2623.0	8222.6	32.2	2663.0	6441.0	28.7	2703.0	5923.9	26.2
2583.5	8823.8	32.6	2623.5	8218.4	32.2	2663.5	6448.6	28.6	2703.5	5923.9	26.1
2584.0	8822.4	32.6	2624.0	8243.9	32.1	2664.0	6445.8	28.6	2704.0	5872.9	26.1
2584.5	8819.7	32.6	2624.5	8241.2	32.1	2664.5	6445.1	28.5	2704.5	5828.7	26.1
2585.0	8819.7	32.6	2625.0	8119.1	32.1	2665.0	6369.3	28.5	2705.0	5824.6	26.1
2585.5	8818.3	32.6	2625.5	8139.1	32.1	2665.5	6431.3	28.4	2705.5	5823.9	26.1
2586.0	8819.0	32.6	2626.0	8132.2	32.1	2666.0	6366.5	28.3	2706.0	5824.6	26.1
2586.5	8818.3	32.6	2626.5	8130.9	32.1	2666.5	6365.8	28.3	2706.5	5750.1	26.1
2587.0	8818.3	32.6	2627.0	8095.0	32.1	2667.0	6365.8	28.2	2707.0	5721.9	26.1
2587.5	8816.9	32.6	2627.5	7979.9	32.1	2667.5	6265.9	28.1	2707.5	5728.1	26.1
2588.0	8814.1	32.6	2628.0	8016.4	32.1	2668.0	6258.3	28.1	2708.0	5728.8	26.1
2588.5	8810.0	32.6	2628.5	8017.8	32.1	2668.5	6259.6	28.1	2708.5	5673.6	26.0
2589.0	8820.3	32.6	2629.0	8015.0	32.0	2669.0	6257.6	28.1	2709.0	5612.9	25.9
2589.5	8821.7	32.6	2629.5	7880.6	31.9	2669.5	6256.9	28.1	2709.5	5624.6	25.9
2590.0	8822.4	32.6	2630.0	7915.1	31.9	2670.0	6255.5	28.1	2710.0	5625.3	25.8
2590.5	8821.7	32.6	2630.5	7919.9	31.8	2670.5	6256.9	28.1	2710.5	5577.8	25.7
2591.0	8821.0	32.6	2631.0	7917.8	31.7	2671.0	6255.5	28.1	2711.0	5505.4	25.7
2591.5	8821.7	32.6	2631.5	7814.4	31.7	2671.5	6254.1	28.1	2711.5	5516.4	25.6
2592.0	8822.4	32.6	2632.0	7744.1	31.6	2672.0	6253.4	28.1	2712.0	5515.0	25.5
2592.5	8821.0	32.6	2632.5	7813.0	31.5	2672.5	6254.1	28.0	2712.5	5461.2	25.5
2593.0	8820.3	32.6	2633.0	7818.5	31.5	2673.0	6253.4	27.9	2713.0	5421.3	25.5
2593.5	8820.3	32.6	2633.5	7815.1	31.4	2673.5	6254.1	27.9	2713.5	5422.6	25.5
2594.0	8822.4	32.6	2634.0	7672.4	31.4	2674.0	6252.8	27.8	2714.0	5421.9	25.5
2594.5	8820.3	32.6	2634.5	7702.7	31.3	2674.5	6253.4	27.8	2714.5	5399.2	25.5
2595.0	8819.7	32.6	2635.0	7708.9	31.2	2675.0	6254.8	27.7	2715.0	5327.5	25.5
2595.5	8820.3	32.6	2635.5	7722.0	31.2	2675.5	6254.1	27.6	2715.5	5330.2	25.5
2596.0	8820.3	32.6	2636.0	7615.1	31.1	2676.0	6253.4	27.6	2716.0	5328.9	25.5
2596.5	8820.3	32.6	2636.5	7632.4	31.1	2676.5	6254.1	27.6	2716.5	5327.5	25.5
2597.0	8820.3	32.6	2637.0	7626.9	31.1	2677.0	6250.7	27.6	2717.0	5242.7	25.4
2597.5	8819.0	32.6	2637.5	7624.8	31.1	2677.5	6251.4	27.6	2717.5	5217.9	25.4
2598.0	8819.7	32.6	2638.0	7624.8	31.1	2678.0	6250.7	27.6	2718.0	5222.0	25.3
2598.5	8820.3	32.6	2638.5	7516.6	31.1	2678.5	6250.0	27.6	2718.5	5222.7	25.2
2599.0	8818.3	32.6	2639.0	7626.9	31.1	2679.0	6250.7	27.6	2719.0	5179.9	25.2
2599.5	8818.3	32.6	2639.5	7521.4	31.1	2679.5	6251.4	27.6	2719.5	5115.8	25.1
2600.0	8818.3	32.6	2640.0	7521.4	31.1	2680.0	6250.7	27.6	2720.0	5128.9	25.0
2600.5	8822.4	32.6	2640.5	7520.7	31.0	2680.5	6250.0	27.5	2720.5	5127.5	25.0

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2721.0	5084.1	24.9	2761.0	3448.0	21.5	2801.0	2365.5	18.5	2841.0	2364.1	18.0
2721.5	5019.3	24.9	2761.5	3385.2	21.5	2801.5	2366.2	18.5	2841.5	2364.1	18.0
2722.0	5023.4	24.8	2762.0	3396.3	21.5	2802.0	2365.5	18.5	2842.0	2363.5	18.0
2722.5	5022.7	24.7	2762.5	3397.0	21.5	2802.5	2365.5	18.5	2842.5	2364.1	18.0
2723.0	4975.2	24.7	2763.0	3337.7	21.5	2803.0	2364.8	18.5	2843.0	2364.8	18.0
2723.5	4928.3	24.6	2763.5	3248.7	21.5	2803.5	2364.8	18.5	2843.5	2364.1	18.0
2724.0	4931.0	24.5	2764.0	3300.4	21.5	2804.0	2364.8	18.5	2844.0	2363.5	18.0
2724.5	4929.7	24.5	2764.5	3299.8	21.4	2804.5	2364.8	18.5	2844.5	2364.1	17.9
2725.0	4869.7	24.5	2765.0	3299.8	21.4	2805.0	2365.5	18.5	2845.0	2363.5	17.8
2725.5	4835.9	24.5	2765.5	3297.7	21.3	2805.5	2365.5	18.5	2845.5	2363.5	17.8
2726.0	4834.5	24.5	2766.0	3251.5	21.3	2806.0	2365.5	18.5	2846.0	2364.8	17.7
2726.5	4833.8	24.5	2766.5	3182.5	21.2	2806.5	2366.2	18.5	2846.5	2363.5	17.7
2727.0	4831.8	24.5	2767.0	3195.0	21.1	2807.0	2365.5	18.5	2847.0	2363.5	17.6
2727.5	4831.1	24.5	2767.5	3194.3	21.1	2807.5	2364.8	18.5	2847.5	2362.8	17.5
2728.0	4831.1	24.5	2768.0	3190.1	21.0	2808.0	2365.5	18.5	2848.0	2364.1	17.5
2728.5	4831.8	24.5	2768.5	3098.4	20.9	2808.5	2364.8	18.5	2848.5	2364.1	17.5
2729.0	4831.8	24.4	2769.0	3092.9	20.9	2809.0	2366.2	18.5	2849.0	2364.1	17.5
2729.5	4831.1	24.3	2769.5	3092.9	20.8	2809.5	2364.8	18.5	2849.5	2363.5	17.5
2730.0	4831.8	24.3	2770.0	3091.5	20.7	2810.0	2365.5	18.5	2850.0	2362.1	17.5
2730.5	4832.4	24.2	2770.5	3038.4	20.7	2810.5	2364.8	18.5	2850.5	2357.9	17.5
2731.0	4832.4	24.2	2771.0	2956.4	20.6	2811.0	2364.8	18.5	2851.0	2271.8	17.5
2731.5	4789.0	24.1	2771.5	2985.4	20.6	2811.5	2365.5	18.5	2851.5	2274.5	17.5
2732.0	4725.6	24.0	2772.0	2985.4	20.5	2812.0	2364.8	18.5	2852.0	2266.2	17.5
2732.5	4733.2	24.0	2772.5	2953.6	20.5	2812.5	2366.2	18.5	2852.5	2262.8	17.5
2733.0	4732.5	24.0	2773.0	2884.0	20.5	2813.0	2364.8	18.5	2853.0	2263.5	17.5
2733.5	4731.1	24.0	2773.5	2884.0	20.5	2813.5	2364.8	18.5	2853.5	2258.7	17.5
2734.0	4662.1	24.0	2774.0	2884.7	20.5	2814.0	2364.1	18.5	2854.0	2258.0	17.5
2734.5	4573.9	24.0	2774.5	2884.0	20.5	2814.5	2364.8	18.5	2854.5	2245.6	17.5
2735.0	4627.7	24.0	2775.0	2804.0	20.5	2815.0	2364.1	18.5	2855.0	2221.4	17.5
2735.5	4626.3	24.0	2775.5	2777.1	20.5	2815.5	2366.2	18.5	2855.5	2242.1	17.5
2736.0	4589.1	24.0	2776.0	2779.2	20.5	2816.0	2365.5	18.5	2856.0	2229.0	17.5
2736.5	4518.7	24.0	2776.5	2778.5	20.4	2816.5	2365.5	18.4	2856.5	2202.8	17.5
2737.0	4520.8	23.9	2777.0	2703.4	20.4	2817.0	2364.1	18.3	2857.0	2226.9	17.5
2737.5	4522.2	23.8	2777.5	2676.5	20.3	2817.5	2366.2	18.3	2857.5	2223.5	17.5
2738.0	4497.4	23.8	2778.0	2680.6	20.2	2818.0	2366.2	18.2	2858.0	2223.5	17.5
2738.5	4418.8	23.7	2778.5	2679.9	20.2	2818.5	2365.5	18.2	2858.5	2226.2	17.5
2739.0	4415.3	23.7	2779.0	2613.7	20.1	2819.0	2366.9	18.1	2859.0	2224.9	17.5
2739.5	4416.7	23.6	2779.5	2571.7	20.1	2819.5	2366.9	18.0	2859.5	2224.2	17.5
2740.0	4416.0	23.5	2780.0	2576.5	20.0	2820.0	2365.5	18.0	2860.0	2222.8	17.5
2740.5	4343.6	23.5	2780.5	2575.8	19.9	2820.5	2364.8	18.0	2860.5	2224.2	17.5
2741.0	4316.7	23.5	2781.0	2576.5	19.9	2821.0	2365.5	18.0	2861.0	2224.2	17.5
2741.5	4314.0	23.5	2781.5	2492.4	19.8	2821.5	2366.2	18.0	2861.5	2224.2	17.5
2742.0	4313.3	23.5	2782.0	2473.8	19.7	2822.0	2365.5	18.0	2862.0	2224.9	17.5
2742.5	4313.3	23.5	2782.5	2475.1	19.7	2822.5	2365.5	18.0	2862.5	2224.2	17.5
2743.0	4291.9	23.5	2783.0	2474.5	19.6	2823.0	2364.8	18.0	2863.0	2224.2	17.5
2743.5	4212.6	23.5	2783.5	2398.6	19.5	2823.5	2366.2	18.0	2863.5	2224.9	17.5
2744.0	4211.9	23.5	2784.0	2341.4	19.5	2824.0	2365.5	18.0	2864.0	2224.2	17.5
2744.5	4211.9	23.5	2784.5	2365.5	19.5	2824.5	2365.5	18.0	2864.5	2225.6	17.4
2745.0	4210.5	23.4	2785.0	2365.5	19.5	2825.0	2365.5	18.0	2865.0	2224.9	17.3
2745.5	4156.8	23.3	2785.5	2366.2	19.5	2825.5	2365.5	18.0	2865.5	2224.9	17.3
2746.0	4113.3	23.3	2786.0	2365.5	19.5	2826.0	2366.2	18.0	2866.0	2225.6	17.2
2746.5	4107.8	23.2	2786.5	2366.2	19.5	2826.5	2365.5	18.0	2866.5	2225.6	17.1
2747.0	4107.1	23.1	2787.0	2365.5	19.5	2827.0	2364.8	18.0	2867.0	2224.9	17.1
2747.5	4075.4	23.1	2787.5	2364.8	19.5	2827.5	2365.5	18.0	2867.5	2153.2	17.0
2748.0	4018.9	23.0	2788.0	2364.8	19.5	2828.0	2364.8	18.0	2868.0	1977.3	17.0
2748.5	3996.8	23.0	2788.5	2366.2	19.4	2828.5	2365.5	18.0	2868.5	2029.7	17.0
2749.0	4005.8	22.9	2789.0	2365.5	19.4	2829.0	2364.8	18.0	2869.0	2029.1	17.0
2749.5	4005.8	22.8	2789.5	2365.5	19.3	2829.5	2364.1	18.0	2869.5	2029.7	17.0
2750.0	3964.4	22.8	2790.0	2364.8	19.2	2830.0	2365.5	18.0	2870.0	2029.7	17.0
2750.5	3906.5	22.7	2790.5	2365.5	19.2	2830.5	2364.8	18.0	2870.5	2029.1	17.0
2751.0	3902.4	22.6	2791.0	2365.5	19.1	2831.0	2365.5	18.0	2871.0	2029.7	17.0
2751.5	3901.7	22.6	2791.5	2364.1	19.0	2831.5	2364.1	18.0	2871.5	2029.7	17.0
2752.0	3863.7	22.5	2792.0	2364.1	19.0	2832.0	2364.1	18.0	2872.0	2030.4	17.0
2752.5	3814.8	22.5	2792.5	2365.5	19.0	2832.5	2362.8	18.0	2872.5	1725.0	17.0
2753.0	3802.4	22.4	2793.0	2363.5	19.0	2833.0	2364.8	18.0	2873.0	1683.6	17.0
2753.5	3800.3	22.3	2793.5	2366.2	19.0	2833.5	2364.8	18.0	2873.5	1716.0	17.0
2754.0	3799.6	22.3	2794.0	2366.2	19.0	2834.0	2364.8	18.0	2874.0	1729.8	17.0
2754.5	3799.6	22.2	2794.5	2365.5	19.0	2834.5	2364.1	18.0	2874.5	1729.1	17.0
2755.0	3730.7	22.1	2795.0	2365.5	19.0	2835.0	2364.1	18.0	2875.0	1729.8	17.0
2755.5	3705.2	22.1	2795.5	2364.1	19.0	2835.5	2364.1	18.0	2875.5	1729.1	17.0
2756.0	3699.6	22.0	2796.0	2364.1	19.0	2836.0	2364.1	18.0	2876.0	1729.8	17.0
2756.5	3699.6	21.9	2796.5	2365.5	18.9	2836.5	2363.5	18.0	2876.5	1730.5	16.9
2757.0	3645.9	21.9	2797.0	2365.5	18.9	2837.0	2364.8	18.0	2877.0	1731.2	16.8
2757.5	3663.1	21.8	2797.5	2366.2	18.8	2837.5	2364.1	18.0	2877.5	1730.5	16.8
2758.0	3601.1	21.8	2798.0	2365.5	18.7	2838.0	2364.8	18.0	2878.0	1447.8	16.7
2758.5	3601.1	21.7	2798.5	2364.8	18.7	2838.5	2364.8	18.0	2878.5	1389.2	16.6
2759.0	3548.0	21.6	2799.0	2365.5	18.6	2839.0	2364.8	18.0	2879.0	1417.5	16.6
2759.5	3574.9	21.6	2799.5	2365.5	18.5	2839.5	2365.5	18.0	2879.5	1431.3	16.5
2760.0	3496.9	21.5	2800.0	2364.8	18.5	2840.0	2363.5	18.0	2880.0	1432.7	16.5
2760.5	3495.6	21.5	2800.5	2365.5	18.5	2840.5	2363.5	18.0	2880.5	1432.7	16.5

TEST REFERENCE#: 301215B FILE STARTS: 20:57:00 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2881.0	1432.7	16.5	2921.0	117.2	13.2						
2881.5	1355.4	16.5	2921.5	117.2	13.0						
2882.0	1050.0	16.5	2922.0	117.2	12.9						
2882.5	1136.2	16.5	2922.5	117.2	12.8						
2883.0	1156.2	16.5	2923.0	117.8	12.7						
2883.5	1156.2	16.5	2923.5	118.5	12.5						
2884.0	1154.8	16.5	2924.0	118.5	12.4						
2884.5	1155.5	16.4	2924.5	119.2	12.4						
2885.0	1156.2	16.3	2925.0	117.8	12.4						
2885.5	1055.5	16.3	2925.5	117.8	12.4						
2886.0	775.6	16.2	2926.0	117.8	12.4						
2886.5	845.2	16.1	2926.5	117.8	12.4						
2887.0	863.2	16.1	2927.0	118.5	12.4						
2887.5	866.6	16.0									
2888.0	867.3	15.9									
2888.5	866.6	15.9									
2889.0	867.3	15.9									
2889.5	866.6	15.9									
2890.0	830.1	15.9									
2890.5	546.0	15.9									
2891.0	555.7	15.9									
2891.5	578.4	15.9									
2892.0	563.9	15.9									
2892.5	567.4	15.9									
2893.0	566.7	15.8									
2893.5	566.7	15.8									
2894.0	566.7	15.7									
2894.5	568.1	15.6									
2895.0	566.7	15.6									
2895.5	566.7	15.5									
2896.0	568.8	15.4									
2896.5	566.7	15.4									
2897.0	284.7	15.4									
2897.5	236.4	15.4									
2898.0	259.9	15.4									
2898.5	275.7	15.4									
2899.0	274.4	15.4									
2899.5	275.7	15.4									
2900.0	275.0	15.4									
2900.5	275.0	15.4									
2901.0	275.0	15.4									
2901.5	274.4	15.4									
2902.0	274.4	15.4									
2902.5	275.0	15.4									
2903.0	276.4	15.4									
2903.5	275.0	15.4									
2904.0	275.0	15.4									
2904.5	274.4	15.4									
2905.0	276.4	15.4									
2905.5	275.7	15.4									
2906.0	275.0	15.4									
2906.5	275.0	15.4									
2907.0	275.0	15.4									
2907.5	273.7	15.4									
2908.0	274.4	15.4									
2908.5	274.4	15.4									
2909.0	274.4	15.3									
2909.5	274.4	15.3									
2910.0	273.0	15.2									
2910.5	275.7	15.1									
2911.0	275.7	15.1									
2911.5	275.0	15.0									
2912.0	248.2	14.9									
2912.5	169.6	14.8									
2913.0	89.6	14.7									
2913.5	89.6	14.6									
2914.0	89.6	14.4									
2914.5	109.6	14.3									
2915.0	112.3	14.2									
2915.5	111.6	14.1									
2916.0	108.2	13.9									
2916.5	117.8	13.9									
2917.0	104.1	13.8									
2917.5	106.8	13.7									
2918.0	110.3	13.7									
2918.5	113.7	13.6									
2919.0	117.2	13.5									
2919.5	115.1	13.5									
2920.0	117.8	13.4									
2920.5	117.2	13.3									

Test Date : 2/13/90
Location : RECOVERY RECORDER
DST # : TWO

LABEL POINT #	TIME of DAY (HH:MM:SS)	EXPLANATION	DURATION (min)	BHP (kPa)	BHT (Deg C)	SURF PRESS (kPa)	FLOW RATE (m3/d)
1	22:28:00	REFERENCE TIME		163.4	55.3		
2	22:29:00	START FLOW	1.0	162.7	55.4		
3	22:38:30	START SHUT-IN	9.5	3401.1	57.6		
4	23:40:00	END SHUT-IN	61.5	3695.5	57.4		
5	23:40:30	START FLOW	0.5	3730.7	57.4		
6	1:09:30	START SHUT-IN	89.0	8477.0	58.4		
7	5:23:30	END SHUT-IN	254.0	8389.4	56.9		

Sample #/Source	Description	RESISTIVITY ohm @ C	Salinity PPM(NaCl)
1-			
2-			
3-			
4-			
5-			

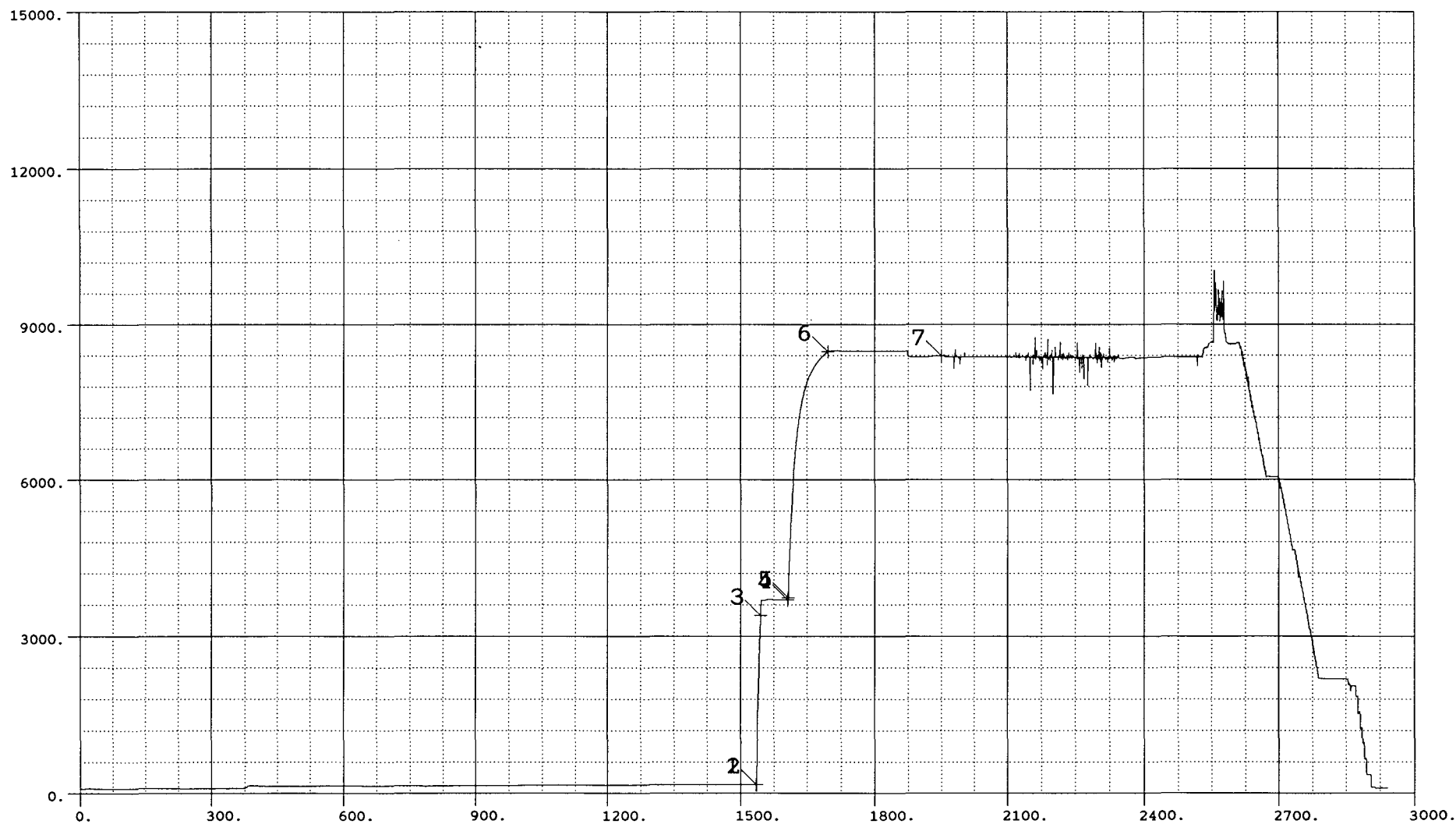
Samples Sent To: CORE LAB

BOTTOMHOLE PRESSURE PLOT

FIELD REPORT NO. : 301215BR
INSTRUMENT NO. : SM # 50094
DEPTH : 1461.57 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : INSIDE-RECOVERY

COMPANY : PETRO CANADA INC.
WELL : PCI SWEDE E-02
DST# : TWO

Y-AXIS



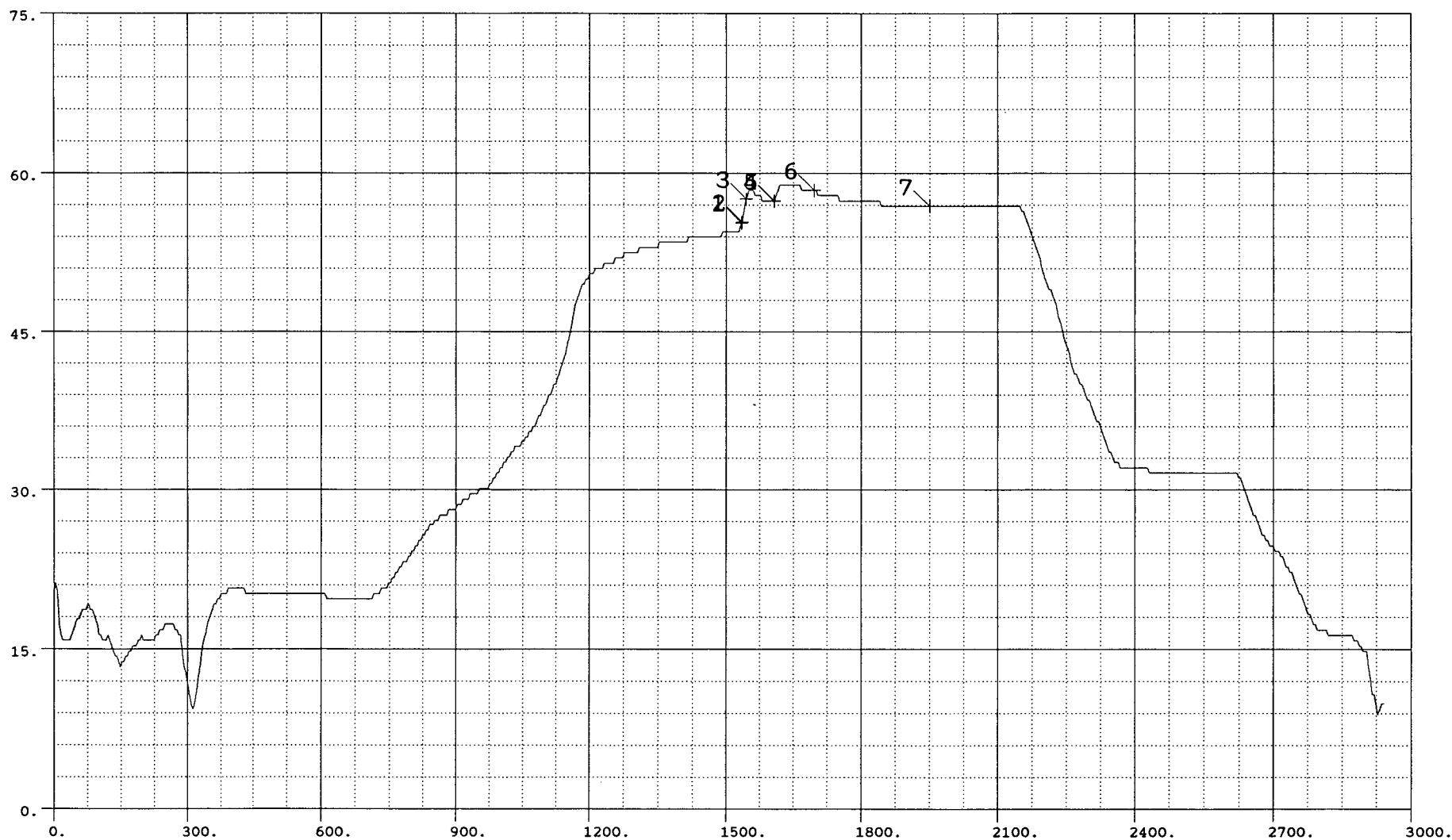
X-AXIS = ELAPSED TIME [MIN]
Y-AXIS = BOTTOMHOLE PRESSURE [KPA (ABS)]

BOTTOMHOLE TEMPERATURE PLOT

FIELD REPORT NO. : 301215BR
INSTRUMENT NO. : SM # 50094
DEPTH : 1461.57 m
CAPACITY : 41500 kPa / 125 C
PORT OPENING : INSIDE-RECOVERY

COMPANY : PETRO CANADA INC.
WELL : PCI SWEDE E-02
DST# : TWO

Y-AXIS



X-AXIS = ELAPSED TIME [MIN]
Y-AXIS = BOTTOMHOLE TEMPERATURE [CEL]

X-AXIS

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1.0	89.6	20.5	41.0	89.6	16.4	81.0	91.6	18.7	121.0	91.6	16.2
1.5	89.6	20.6	41.5	89.6	16.5	81.5	91.6	18.7	121.5	92.3	16.1
2.0	89.6	20.7	42.0	89.6	16.5	82.0	91.6	18.7	122.0	91.6	16.0
2.5	89.6	20.8	42.5	91.6	16.6	82.5	91.0	18.7	122.5	91.6	16.0
3.0	89.6	21.0	43.0	91.6	16.6	83.0	91.0	18.7	123.0	89.6	15.9
3.5	89.6	21.1	43.5	91.6	16.7	83.5	91.0	18.7	123.5	89.6	15.8
4.0	89.6	21.2	44.0	92.3	16.8	84.0	91.6	18.7	124.0	89.6	15.8
4.5	89.6	21.1	44.5	89.6	16.8	84.5	89.6	18.7	124.5	91.6	15.7
5.0	89.6	21.0	45.0	89.6	16.9	85.0	89.6	18.6	125.0	91.6	15.7
5.5	89.6	20.8	45.5	89.6	17.0	85.5	91.6	18.6	125.5	91.6	15.6
6.0	89.6	20.7	46.0	89.6	17.0	86.0	91.6	18.5	126.0	92.3	15.5
6.5	89.6	20.6	46.5	89.6	17.1	86.5	89.6	18.4	126.5	92.3	15.5
7.0	89.6	20.5	47.0	89.6	17.1	87.0	89.6	18.4	127.0	92.3	15.4
7.5	89.6	20.4	47.5	89.6	17.2	87.5	89.6	18.3	127.5	91.6	15.4
8.0	89.6	20.2	48.0	91.0	17.3	88.0	91.0	18.3	128.0	91.6	15.3
8.5	89.6	19.9	48.5	89.6	17.3	88.5	91.0	18.2	128.5	92.3	15.2
9.0	89.6	19.5	49.0	89.6	17.4	89.0	89.6	18.1	129.0	93.7	15.2
9.5	89.6	19.1	49.5	89.6	17.5	89.5	91.0	18.1	129.5	92.3	15.1
10.0	89.6	18.7	50.0	91.6	17.5	90.0	89.6	18.0	130.0	91.6	15.0
10.5	89.6	18.4	50.5	89.6	17.6	90.5	89.6	17.9	130.5	93.0	15.0
11.0	89.6	18.0	51.0	89.6	17.6	91.0	89.6	17.9	131.0	89.6	14.9
11.5	91.0	17.6	51.5	91.0	17.7	91.5	89.6	17.8	131.5	91.6	14.9
12.0	93.0	17.3	52.0	89.6	17.8	92.0	89.6	17.8	132.0	89.6	14.8
12.5	89.6	17.1	52.5	89.6	17.8	92.5	89.6	17.7	132.5	92.3	14.7
13.0	89.6	17.0	53.0	91.0	17.8	93.0	89.6	17.6	133.0	92.3	14.7
13.5	92.3	16.9	53.5	91.6	17.8	93.5	91.0	17.6	133.5	93.7	14.6
14.0	94.4	16.8	54.0	91.0	17.8	94.0	89.6	17.5	134.0	93.0	14.6
14.5	95.1	16.6	54.5	91.0	17.8	94.5	89.6	17.5	134.5	93.0	14.5
15.0	95.8	16.5	55.0	89.6	17.8	95.0	89.6	17.4	135.0	93.0	14.4
15.5	95.8	16.4	55.5	91.0	17.8	95.5	91.0	17.3	135.5	93.7	14.4
16.0	96.5	16.3	56.0	91.6	17.8	96.0	89.6	17.3	136.0	94.4	14.3
16.5	95.1	16.2	56.5	91.6	17.8	96.5	89.6	17.1	136.5	93.7	14.3
17.0	94.4	16.2	57.0	91.6	17.9	97.0	89.6	17.0	137.0	93.0	14.3
17.5	93.0	16.1	57.5	91.0	17.9	97.5	89.6	16.9	137.5	94.4	14.3
18.0	93.7	16.0	58.0	91.0	18.0	98.0	89.6	16.8	138.0	94.4	14.3
18.5	94.4	16.0	58.5	91.0	18.1	98.5	89.6	16.6	138.5	93.0	14.3
19.0	93.7	15.9	59.0	91.0	18.1	99.0	91.6	16.5	139.0	94.4	14.3
19.5	93.7	15.8	59.5	89.6	18.2	99.5	89.6	16.4	139.5	93.0	14.3
20.0	93.0	15.8	60.0	91.0	18.3	100.0	89.6	16.3	140.0	92.3	14.3
20.5	92.3	15.8	60.5	91.0	18.3	100.5	89.6	16.3	140.5	93.0	14.2
21.0	93.0	15.8	61.0	89.6	18.4	101.0	89.6	16.3	141.0	93.7	14.2
21.5	93.7	15.8	61.5	89.6	18.4	101.5	89.6	16.3	141.5	93.0	14.1
22.0	91.6	15.8	62.0	89.6	18.5	102.0	89.6	16.3	142.0	93.7	14.1
22.5	92.3	15.8	62.5	91.0	18.6	102.5	89.6	16.3	142.5	93.0	14.0
23.0	93.0	15.8	63.0	89.6	18.6	103.0	89.6	16.3	143.0	93.7	13.9
23.5	91.6	15.8	63.5	91.0	18.7	103.5	89.6	16.3	143.5	93.7	13.9
24.0	92.3	15.8	64.0	91.6	18.7	104.0	89.6	16.3	144.0	93.0	13.8
24.5	93.0	15.8	64.5	89.6	18.7	104.5	89.6	16.2	144.5	93.7	13.7
25.0	91.6	15.8	65.0	89.6	18.7	105.0	89.6	16.2	145.0	93.0	13.7
25.5	92.3	15.8	65.5	89.6	18.7	105.5	89.6	16.1	145.5	93.0	13.6
26.0	92.3	15.8	66.0	89.6	18.7	106.0	89.6	16.0	146.0	94.4	13.6
26.5	92.3	15.8	66.5	91.6	18.7	106.5	89.6	16.0	146.5	89.6	13.5
27.0	92.3	15.8	67.0	91.0	18.7	107.0	89.6	15.9	147.0	93.0	13.4
27.5	92.3	15.8	67.5	91.0	18.7	107.5	89.6	15.8	147.5	93.7	13.4
28.0	92.3	15.8	68.0	91.0	18.7	108.0	89.6	15.8	148.0	93.7	13.3
28.5	92.3	15.8	68.5	91.0	18.7	108.5	89.6	15.8	148.5	93.7	13.4
29.0	89.6	15.8	69.0	89.6	18.7	109.0	89.6	15.8	149.0	93.0	13.4
29.5	92.3	15.8	69.5	89.6	18.7	109.5	89.6	15.8	149.5	92.3	13.5
30.0	92.3	15.8	70.0	91.0	18.7	110.0	89.6	15.8	150.0	94.4	13.6
30.5	92.3	15.8	70.5	91.0	18.7	110.5	89.6	15.8	150.5	93.0	13.6
31.0	92.3	15.8	71.0	91.0	18.7	111.0	89.6	15.8	151.0	94.4	13.7
31.5	89.6	15.8	71.5	91.6	18.7	111.5	89.6	15.8	151.5	93.7	13.7
32.0	92.3	15.8	72.0	89.6	18.7	112.0	89.6	15.8	152.0	93.7	13.8
32.5	91.6	15.8	72.5	91.0	18.8	112.5	89.6	15.8	152.5	96.5	13.8
33.0	91.6	15.8	73.0	91.0	18.9	113.0	89.6	15.8	153.0	94.4	13.8
33.5	89.6	15.8	73.5	91.6	18.9	113.5	89.6	15.8	153.5	94.4	13.8
34.0	91.6	15.8	74.0	91.6	19.0	114.0	89.6	15.8	154.0	94.4	13.8
34.5	92.3	15.8	74.5	91.0	19.1	114.5	92.3	15.8	154.5	94.4	13.8
35.0	91.6	15.8	75.0	90.3	19.1	115.0	91.6	15.8	155.0	93.7	13.8
35.5	89.6	15.8	75.5	89.6	19.2	115.5	91.6	15.8	155.5	95.1	13.8
36.0	92.3	15.8	76.0	89.6	19.2	116.0	91.6	15.8	156.0	95.1	13.8
36.5	89.6	15.8	76.5	90.3	19.2	116.5	89.6	15.8	156.5	94.4	13.9
37.0	91.6	15.9	77.0	90.3	19.1	117.0	89.6	15.9	157.0	93.7	13.9
37.5	91.6	16.0	77.5	89.6	19.1	117.5	91.6	16.0	157.5	94.4	14.0
38.0	89.6	16.0	78.0	89.6	19.0	118.0	91.6	16.0	158.0	95.1	14.1
38.5	91.6	16.1	78.5	91.0	18.9	118.5	89.6	16.1	158.5	93.7	14.1
39.0	89.6	16.2	79.0	89.6	18.9	119.0	91.6	16.2	159.0	93.0	14.2
39.5	91.6	16.2	79.5	91.6	18.8	119.5	91.6	16.2	159.5	93.7	14.2
40.0	92.3	16.3	80.0	91.6	18.7	120.0	91.6	16.3	160.0	93.0	14.3
40.5	89.6	16.3	80.5	91.6	18.7	120.5	91.6	16.2	160.5	93.7	14.3

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
161.0	93.7	14.3	201.0	92.3	15.8	241.0	89.6	16.8	281.0	93.0	16.3
161.5	93.7	14.3	201.5	93.0	15.8	241.5	89.6	16.8	281.5	93.0	16.3
162.0	93.7	14.3	202.0	92.3	15.8	242.0	89.6	16.8	282.0	92.3	16.3
162.5	94.4	14.3	202.5	93.0	15.8	242.5	89.6	16.8	282.5	91.6	16.3
163.0	93.7	14.3	203.0	92.3	15.8	243.0	91.6	16.8	283.0	93.0	16.3
163.5	95.1	14.3	203.5	93.7	15.8	243.5	89.6	16.8	283.5	91.6	16.3
164.0	93.0	14.3	204.0	93.7	15.8	244.0	89.6	16.8	284.0	92.3	16.3
164.5	93.7	14.4	204.5	93.0	15.8	244.5	89.6	16.8	284.5	93.7	16.1
165.0	93.7	14.4	205.0	93.7	15.8	245.0	91.6	16.9	285.0	92.3	15.9
165.5	93.7	14.5	205.5	95.1	15.8	245.5	89.6	17.0	285.5	93.7	15.7
166.0	94.4	14.6	206.0	93.0	15.8	246.0	89.6	17.0	286.0	93.0	15.5
166.5	93.7	14.6	206.5	93.7	15.8	246.5	89.6	17.1	286.5	93.0	15.4
167.0	93.7	14.7	207.0	93.7	15.8	247.0	89.6	17.1	287.0	89.6	15.2
167.5	93.7	14.7	207.5	93.7	15.8	247.5	89.6	17.2	287.5	89.6	15.0
168.0	93.7	14.8	208.0	93.0	15.8	248.0	89.6	17.3	288.0	89.6	14.8
168.5	92.3	14.8	208.5	92.3	15.8	248.5	91.0	17.3	288.5	89.6	14.6
169.0	93.7	14.8	209.0	92.3	15.8	249.0	89.6	17.3	289.0	93.0	14.4
169.5	95.1	14.8	209.5	93.0	15.8	249.5	89.6	17.3	289.5	94.4	14.2
170.0	93.7	14.8	210.0	92.3	15.8	250.0	89.6	17.3	290.0	93.0	14.1
170.5	93.0	14.8	210.5	91.6	15.8	250.5	91.0	17.3	290.5	93.7	13.9
171.0	93.0	14.8	211.0	91.6	15.8	251.0	91.0	17.3	291.0	93.7	13.7
171.5	93.7	14.8	211.5	93.0	15.8	251.5	91.6	17.3	291.5	93.7	13.5
172.0	95.1	14.8	212.0	93.7	15.8	252.0	93.0	17.3	292.0	93.0	13.3
172.5	93.7	14.9	212.5	91.6	15.8	252.5	93.0	17.3	292.5	93.7	13.3
173.0	93.0	14.9	213.0	92.3	15.8	253.0	93.0	17.3	293.0	94.4	13.2
173.5	93.0	15.0	213.5	93.0	15.8	253.5	93.0	17.3	293.5	93.0	13.1
174.0	93.0	15.0	214.0	92.3	15.8	254.0	91.0	17.3	294.0	92.3	13.1
174.5	93.7	15.1	214.5	92.3	15.8	254.5	91.6	17.3	294.5	89.6	13.0
175.0	92.3	15.2	215.0	92.3	15.8	255.0	91.6	17.3	295.0	89.6	12.9
175.5	93.7	15.2	215.5	92.3	15.8	255.5	91.0	17.3	295.5	92.3	12.9
176.0	93.7	15.3	216.0	91.6	15.8	256.0	93.0	17.3	296.0	89.6	12.8
176.5	93.7	15.3	216.5	91.6	15.8	256.5	93.0	17.3	296.5	93.7	12.7
177.0	93.7	15.3	217.0	92.3	15.8	257.0	91.6	17.3	297.0	93.7	12.6
177.5	94.4	15.3	217.5	89.6	15.8	257.5	91.6	17.3	297.5	94.4	12.5
178.0	93.7	15.3	218.0	91.6	15.8	258.0	91.6	17.3	298.0	93.0	12.3
178.5	94.4	15.3	218.5	92.3	15.8	258.5	91.0	17.3	298.5	89.6	12.2
179.0	93.7	15.3	219.0	89.6	15.8	259.0	91.0	17.3	299.0	89.6	12.1
179.5	93.7	15.3	219.5	92.3	15.8	259.5	91.0	17.3	299.5	89.6	12.0
180.0	91.6	15.3	220.0	91.6	15.8	260.0	91.0	17.3	300.0	93.0	11.8
180.5	92.3	15.3	220.5	91.6	15.8	260.5	91.0	17.3	300.5	89.6	11.7
181.0	93.7	15.3	221.0	91.6	15.8	261.0	91.6	17.3	301.0	89.6	11.6
181.5	93.7	15.3	221.5	91.6	15.8	261.5	93.7	17.3	301.5	89.6	11.5
182.0	92.3	15.3	222.0	93.0	15.8	262.0	91.6	17.3	302.0	93.0	11.3
182.5	93.7	15.3	222.5	93.0	15.8	262.5	93.0	17.3	302.5	93.0	11.2
183.0	94.4	15.3	223.0	92.3	15.8	263.0	93.7	17.3	303.0	89.6	11.1
183.5	95.1	15.3	223.5	92.3	15.8	263.5	93.7	17.3	303.5	93.7	11.0
184.0	93.7	15.3	224.0	92.3	15.8	264.0	93.0	17.3	304.0	93.7	10.8
184.5	93.0	15.4	224.5	91.6	15.8	264.5	93.7	17.3	304.5	95.1	10.7
185.0	94.4	15.4	225.0	93.0	15.9	265.0	93.0	17.3	305.0	94.4	10.6
185.5	92.3	15.5	225.5	93.0	16.0	265.5	91.6	17.3	305.5	89.6	10.5
186.0	93.0	15.5	226.0	94.4	16.0	266.0	91.6	17.3	306.0	93.7	10.4
186.5	91.6	15.6	226.5	93.0	16.1	266.5	91.0	17.3	306.5	89.6	10.2
187.0	93.0	15.7	227.0	93.0	16.2	267.0	91.0	17.3	307.0	93.7	10.1
187.5	92.3	15.7	227.5	93.0	16.2	267.5	91.0	17.3	307.5	93.7	10.0
188.0	93.7	15.8	228.0	89.6	16.3	268.0	91.0	17.3	308.0	89.6	9.9
188.5	93.7	15.8	228.5	91.6	16.3	268.5	92.3	17.2	308.5	89.6	9.8
189.0	93.7	15.8	229.0	91.6	16.3	269.0	91.0	17.1	309.0	94.4	9.7
189.5	95.1	15.8	229.5	91.6	16.3	269.5	92.3	17.1	309.5	95.1	9.7
190.0	93.0	15.8	230.0	91.6	16.3	270.0	92.3	17.0	310.0	94.4	9.6
190.5	93.7	15.8	230.5	91.6	16.3	270.5	93.0	17.0	310.5	95.1	9.6
191.0	93.7	15.8	231.0	91.6	16.3	271.0	93.0	16.9	311.0	96.5	9.5
191.5	93.0	15.8	231.5	91.6	16.3	271.5	91.6	16.8	311.5	94.4	9.4
192.0	93.7	15.8	232.0	91.6	16.3	272.0	92.3	16.8	312.0	95.8	9.4
192.5	93.7	15.8	232.5	89.6	16.3	272.5	92.3	16.8	312.5	95.8	9.4
193.0	93.0	15.9	233.0	91.6	16.4	273.0	92.3	16.8	313.0	94.4	9.5
193.5	93.7	16.0	233.5	89.6	16.5	273.5	92.3	16.8	313.5	95.8	9.6
194.0	93.0	16.0	234.0	89.6	16.5	274.0	92.3	16.8	314.0	95.8	9.6
194.5	94.4	16.1	234.5	91.6	16.6	274.5	92.3	16.8	314.5	95.1	9.7
195.0	92.3	16.2	235.0	91.6	16.6	275.0	89.6	16.8	315.0	93.7	9.7
195.5	93.0	16.2	235.5	91.6	16.7	275.5	89.6	16.8	315.5	96.5	9.8
196.0	93.0	16.3	236.0	89.6	16.8	276.0	89.6	16.8	316.0	95.1	9.9
196.5	93.0	16.2	236.5	91.6	16.8	276.5	89.6	16.7	316.5	95.1	10.0
197.0	92.3	16.2	237.0	89.6	16.8	277.0	89.6	16.6	317.0	93.7	10.1
197.5	92.3	16.1	237.5	91.6	16.8	277.5	92.3	16.6	317.5	95.1	10.2
198.0	91.6	16.0	238.0	89.6	16.8	278.0	92.3	16.5	318.0	95.1	10.4
198.5	92.3	16.0	238.5	89.6	16.8	278.5	92.3	16.5	318.5	95.1	10.5
199.0	91.6	15.9	239.0	89.6	16.8	279.0	93.0	16.4	319.0	95.1	10.6
199.5	92.3	15.8	239.5	89.6	16.8	279.5	93.0	16.3	319.5	96.5	10.7
200.0	92.3	15.8	240.0	89.6	16.8	280.0	93.0	16.3	320.0	95.1	10.8
200.5	91.6	15.8	240.5	89.6	16.8	280.5	92.3	16.3	320.5	95.1	11.0

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
321.0	93.7	11.2	361.0	93.0	19.2	401.0	145.4	20.7	441.0	137.2	20.2
321.5	93.7	11.4	361.5	93.0	19.2	401.5	142.7	20.7	441.5	135.8	20.2
322.0	93.0	11.6	362.0	92.3	19.2	402.0	143.4	20.7	442.0	136.5	20.2
322.5	89.6	11.8	362.5	92.3	19.2	402.5	143.4	20.7	442.5	136.5	20.2
323.0	93.0	12.0	363.0	93.0	19.2	403.0	143.4	20.7	443.0	137.2	20.2
323.5	93.7	12.1	363.5	93.7	19.2	403.5	143.4	20.7	443.5	137.2	20.2
324.0	93.0	12.3	364.0	92.3	19.2	404.0	142.0	20.7	444.0	137.2	20.2
324.5	93.0	12.5	364.5	93.7	19.3	404.5	142.0	20.7	444.5	137.8	20.2
325.0	93.0	12.6	365.0	93.0	19.4	405.0	140.6	20.7	445.0	137.2	20.2
325.5	93.7	12.7	365.5	92.3	19.4	405.5	142.0	20.7	445.5	136.5	20.2
326.0	89.6	12.8	366.0	92.3	19.5	406.0	142.0	20.7	446.0	137.2	20.2
326.5	92.3	12.9	366.5	93.7	19.6	406.5	140.6	20.7	446.5	136.5	20.2
327.0	92.3	13.1	367.0	93.7	19.6	407.0	140.6	20.7	447.0	137.2	20.2
327.5	93.0	13.2	367.5	94.4	19.7	407.5	139.9	20.7	447.5	137.2	20.2
328.0	93.0	13.3	368.0	93.7	19.7	408.0	140.6	20.7	448.0	137.8	20.2
328.5	93.0	13.5	368.5	93.7	19.7	408.5	139.2	20.7	448.5	137.8	20.2
329.0	93.7	13.7	369.0	93.0	19.7	409.0	138.5	20.7	449.0	137.8	20.2
329.5	93.0	13.9	369.5	94.4	19.7	409.5	142.0	20.7	449.5	137.8	20.2
330.0	89.6	14.1	370.0	94.4	19.7	410.0	140.6	20.7	450.0	137.8	20.2
330.5	92.3	14.2	370.5	93.7	19.7	410.5	139.9	20.7	450.5	137.8	20.2
331.0	92.3	14.4	371.0	93.0	19.7	411.0	142.0	20.7	451.0	137.2	20.2
331.5	92.3	14.6	371.5	93.7	19.7	411.5	140.6	20.7	451.5	137.2	20.2
332.0	93.7	14.8	372.0	93.7	19.7	412.0	140.6	20.7	452.0	136.5	20.2
332.5	91.6	14.9	372.5	94.4	19.8	412.5	139.2	20.7	452.5	136.5	20.2
333.0	91.6	15.0	373.0	92.3	19.9	413.0	138.5	20.7	453.0	137.8	20.2
333.5	93.7	15.2	373.5	94.4	19.9	413.5	139.2	20.7	453.5	137.2	20.2
334.0	93.7	15.3	374.0	94.4	20.0	414.0	139.2	20.7	454.0	137.2	20.2
334.5	89.6	15.4	374.5	94.4	20.0	414.5	139.9	20.7	454.5	137.2	20.2
335.0	92.3	15.5	375.0	93.0	20.1	415.0	139.9	20.7	455.0	137.2	20.2
335.5	89.6	15.7	375.5	95.8	20.2	415.5	140.6	20.7	455.5	137.8	20.2
336.0	92.3	15.8	376.0	109.6	20.2	416.0	142.0	20.7	456.0	137.8	20.2
336.5	92.3	15.8	376.5	111.0	20.2	416.5	140.6	20.7	456.5	137.8	20.2
337.0	93.0	15.9	377.0	112.3	20.2	417.0	142.0	20.7	457.0	137.2	20.2
337.5	92.3	16.0	377.5	112.3	20.2	417.5	140.6	20.7	457.5	137.8	20.2
338.0	91.6	16.0	378.0	112.3	20.2	418.0	142.0	20.7	458.0	138.5	20.2
338.5	93.0	16.1	378.5	112.3	20.2	418.5	142.0	20.7	458.5	137.2	20.2
339.0	93.7	16.2	379.0	114.4	20.2	419.0	142.7	20.7	459.0	137.8	20.2
339.5	93.0	16.2	379.5	113.0	20.2	419.5	142.7	20.7	459.5	137.8	20.2
340.0	93.0	16.3	380.0	122.7	20.2	420.0	137.8	20.7	460.0	137.8	20.2
340.5	91.6	16.4	380.5	135.8	20.2	420.5	138.5	20.7	460.5	137.2	20.2
341.0	92.3	16.5	381.0	139.2	20.2	421.0	137.8	20.7	461.0	137.2	20.2
341.5	92.3	16.6	381.5	141.3	20.2	421.5	137.8	20.7	461.5	137.2	20.2
342.0	93.7	16.8	382.0	142.7	20.2	422.0	137.2	20.7	462.0	137.2	20.2
342.5	93.7	16.9	382.5	144.7	20.2	422.5	137.2	20.7	462.5	138.5	20.2
343.0	93.0	17.0	383.0	144.0	20.2	423.0	137.8	20.7	463.0	138.5	20.2
343.5	92.3	17.1	383.5	144.7	20.2	423.5	137.8	20.7	463.5	137.8	20.2
344.0	93.0	17.3	384.0	145.4	20.2	424.0	136.5	20.7	464.0	139.2	20.2
344.5	93.0	17.3	384.5	145.4	20.2	424.5	137.2	20.7	464.5	137.8	20.2
345.0	93.0	17.4	385.0	145.4	20.2	425.0	137.2	20.7	465.0	137.8	20.2
345.5	93.0	17.5	385.5	145.4	20.2	425.5	136.5	20.7	465.5	137.8	20.2
346.0	92.3	17.5	386.0	145.4	20.2	426.0	136.5	20.7	466.0	138.5	20.2
346.5	92.3	17.6	386.5	145.4	20.2	426.5	135.8	20.7	466.5	137.8	20.2
347.0	92.3	17.6	387.0	145.4	20.2	427.0	136.5	20.7	467.0	137.8	20.2
347.5	93.7	17.7	387.5	144.7	20.2	427.5	136.5	20.7	467.5	138.5	20.2
348.0	93.0	17.8	388.0	145.4	20.2	428.0	137.2	20.7	468.0	137.2	20.2
348.5	94.4	17.8	388.5	144.7	20.3	428.5	136.5	20.7	468.5	137.8	20.2
349.0	94.4	17.9	389.0	145.4	20.4	429.0	136.5	20.6	469.0	137.8	20.2
349.5	93.0	17.9	389.5	144.7	20.4	429.5	137.2	20.5	469.5	138.5	20.2
350.0	93.7	18.0	390.0	145.4	20.5	430.0	136.5	20.5	470.0	137.8	20.2
350.5	93.7	18.1	390.5	144.7	20.5	430.5	137.2	20.4	470.5	138.5	20.2
351.0	92.3	18.1	391.0	146.1	20.6	431.0	137.8	20.4	471.0	138.5	20.2
351.5	95.1	18.2	391.5	145.4	20.7	431.5	136.5	20.3	471.5	137.8	20.2
352.0	93.0	18.3	392.0	146.1	20.7	432.0	136.5	20.2	472.0	137.8	20.2
352.5	93.7	18.3	392.5	145.4	20.7	432.5	137.2	20.2	472.5	137.8	20.2
353.0	93.0	18.4	393.0	143.4	20.7	433.0	136.5	20.2	473.0	137.2	20.2
353.5	93.0	18.4	393.5	143.4	20.7	433.5	137.2	20.2	473.5	137.2	20.2
354.0	93.0	18.5	394.0	144.0	20.7	434.0	136.5	20.2	474.0	136.5	20.2
354.5	92.3	18.6	394.5	144.0	20.7	434.5	135.8	20.2	474.5	137.2	20.2
355.0	93.7	18.6	395.0	143.4	20.7	435.0	135.8	20.2	475.0	137.8	20.2
355.5	91.6	18.7	395.5	144.0	20.7	435.5	135.8	20.2	475.5	137.2	20.2
356.0	92.3	18.7	396.0	143.4	20.7	436.0	135.8	20.2	476.0	137.2	20.2
356.5	93.0	18.8	396.5	144.0	20.7	436.5	135.8	20.2	476.5	138.5	20.2
357.0	93.0	18.9	397.0	144.7	20.7	437.0	137.2	20.2	477.0	137.8	20.2
357.5	93.0	18.9	397.5	143.4	20.7	437.5	136.5	20.2	477.5	137.8	20.2
358.0	93.7	19.0	398.0	142.7	20.7	438.0	136.5	20.2	478.0	137.2	20.2
358.5	93.7	19.1	398.5	143.4	20.7	438.5	136.5	20.2	478.5	137.8	20.2
359.0	92.3	19.1	399.0	143.4	20.7	439.0	135.1	20.2	479.0	137.8	20.2
359.5	93.7	19.2	399.5	142.7	20.7	439.5	136.5	20.2	479.5	136.5	20.2
360.0	93.7	19.2	400.0	142.7	20.7	440.0	136.5	20.2	480.0	137.8	20.2
360.5	92.3	19.2	400.5	143.4	20.7	440.5	136.5	20.2	480.5	137.2	20.2

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elaped time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
481.0	137.2	20.2	521.0	137.8	20.2	561.0	141.3	20.2	601.0	141.3	20.2
481.5	138.5	20.2	521.5	138.5	20.2	561.5	140.6	20.2	601.5	141.3	20.2
482.0	137.2	20.2	522.0	137.8	20.2	562.0	141.3	20.2	602.0	141.3	20.2
482.5	137.8	20.2	522.5	137.8	20.2	562.5	142.0	20.2	602.5	142.0	20.2
483.0	137.8	20.2	523.0	137.8	20.2	563.0	141.3	20.2	603.0	142.0	20.2
483.5	137.8	20.2	523.5	137.2	20.2	563.5	141.3	20.2	603.5	142.0	20.2
484.0	137.8	20.2	524.0	138.5	20.2	564.0	141.3	20.2	604.0	142.0	20.2
484.5	138.5	20.2	524.5	138.5	20.2	564.5	140.6	20.2	604.5	141.3	20.2
485.0	137.8	20.2	525.0	138.5	20.2	565.0	141.3	20.2	605.0	141.3	20.2
485.5	137.2	20.2	525.5	137.8	20.2	565.5	142.0	20.2	605.5	141.3	20.2
486.0	137.2	20.2	526.0	137.8	20.2	566.0	141.3	20.2	606.0	141.3	20.2
486.5	136.5	20.2	526.5	138.5	20.2	566.5	139.2	20.2	606.5	141.3	20.2
487.0	137.2	20.2	527.0	138.5	20.2	567.0	141.3	20.2	607.0	142.7	20.2
487.5	137.2	20.2	527.5	138.5	20.2	567.5	141.3	20.2	607.5	142.0	20.2
488.0	137.2	20.2	528.0	137.2	20.2	568.0	140.6	20.2	608.0	142.7	20.2
488.5	136.5	20.2	528.5	138.5	20.2	568.5	142.0	20.2	608.5	141.3	20.2
489.0	136.5	20.2	529.0	138.5	20.2	569.0	142.0	20.2	609.0	142.0	20.1
489.5	137.2	20.2	529.5	138.5	20.2	569.5	141.3	20.2	609.5	142.0	20.0
490.0	135.8	20.2	530.0	138.5	20.2	570.0	141.3	20.2	610.0	142.0	20.0
490.5	135.8	20.2	530.5	138.5	20.2	570.5	141.3	20.2	610.5	142.0	19.9
491.0	136.5	20.2	531.0	137.8	20.2	571.0	141.3	20.2	611.0	142.7	19.9
491.5	136.5	20.2	531.5	138.5	20.2	571.5	142.0	20.2	611.5	142.7	19.8
492.0	136.5	20.2	532.0	138.5	20.2	572.0	142.0	20.2	612.0	141.3	19.7
492.5	136.5	20.2	532.5	139.2	20.2	572.5	141.3	20.2	612.5	141.3	19.7
493.0	136.5	20.2	533.0	138.5	20.2	573.0	141.3	20.2	613.0	141.3	19.7
493.5	135.8	20.2	533.5	138.5	20.2	573.5	142.0	20.2	613.5	141.3	19.7
494.0	135.8	20.2	534.0	138.5	20.2	574.0	142.0	20.2	614.0	142.0	19.7
494.5	135.8	20.2	534.5	138.5	20.2	574.5	142.0	20.2	614.5	142.0	19.7
495.0	135.8	20.2	535.0	139.2	20.2	575.0	141.3	20.2	615.0	142.7	19.7
495.5	136.5	20.2	535.5	140.6	20.2	575.5	141.3	20.2	615.5	142.0	19.7
496.0	136.5	20.2	536.0	141.3	20.2	576.0	142.0	20.2	616.0	142.7	19.7
496.5	136.5	20.2	536.5	138.5	20.2	576.5	141.3	20.2	616.5	142.0	19.7
497.0	135.8	20.2	537.0	140.6	20.2	577.0	142.0	20.2	617.0	141.3	19.7
497.5	135.8	20.2	537.5	139.2	20.2	577.5	142.0	20.2	617.5	142.7	19.7
498.0	135.1	20.2	538.0	140.6	20.2	578.0	142.7	20.2	618.0	140.6	19.7
498.5	135.1	20.2	538.5	137.8	20.2	578.5	142.0	20.2	618.5	142.0	19.7
499.0	135.8	20.2	539.0	139.2	20.2	579.0	142.0	20.2	619.0	142.7	19.7
499.5	135.8	20.2	539.5	139.2	20.2	579.5	142.0	20.2	619.5	142.0	19.7
500.0	135.8	20.2	540.0	138.5	20.2	580.0	142.7	20.2	620.0	142.7	19.7
500.5	135.8	20.2	540.5	139.2	20.2	580.5	141.3	20.2	620.5	141.3	19.7
501.0	135.8	20.2	541.0	139.2	20.2	581.0	142.7	20.2	621.0	141.3	19.7
501.5	135.1	20.2	541.5	139.2	20.2	581.5	141.3	20.2	621.5	141.3	19.7
502.0	136.5	20.2	542.0	140.6	20.2	582.0	142.0	20.2	622.0	142.0	19.7
502.5	135.1	20.2	542.5	139.2	20.2	582.5	141.3	20.2	622.5	141.3	19.7
503.0	135.8	20.2	543.0	140.6	20.2	583.0	142.0	20.2	623.0	142.7	19.7
503.5	136.5	20.2	543.5	141.3	20.2	583.5	140.6	20.2	623.5	142.0	19.7
504.0	135.8	20.2	544.0	140.6	20.2	584.0	142.0	20.2	624.0	142.0	19.7
504.5	136.5	20.2	544.5	139.2	20.2	584.5	142.7	20.2	624.5	142.7	19.7
505.0	136.5	20.2	545.0	139.2	20.2	585.0	142.0	20.2	625.0	142.7	19.7
505.5	136.5	20.2	545.5	140.6	20.2	585.5	142.0	20.2	625.5	142.0	19.7
506.0	137.2	20.2	546.0	139.2	20.2	586.0	141.3	20.2	626.0	142.0	19.7
506.5	136.5	20.2	546.5	139.2	20.2	586.5	142.0	20.2	626.5	142.7	19.7
507.0	137.2	20.2	547.0	140.6	20.2	587.0	141.3	20.2	627.0	142.0	19.7
507.5	135.8	20.2	547.5	140.6	20.2	587.5	142.0	20.2	627.5	142.0	19.7
508.0	137.2	20.2	548.0	139.2	20.2	588.0	142.7	20.2	628.0	142.7	19.7
508.5	137.2	20.2	548.5	140.6	20.2	588.5	141.3	20.2	628.5	141.3	19.7
509.0	137.2	20.2	549.0	141.3	20.2	589.0	141.3	20.2	629.0	142.7	19.7
509.5	137.2	20.2	549.5	140.6	20.2	589.5	142.0	20.2	629.5	142.0	19.7
510.0	137.2	20.2	550.0	140.6	20.2	590.0	140.6	20.2	630.0	141.3	19.7
510.5	137.2	20.2	550.5	140.6	20.2	590.5	141.3	20.2	630.5	141.3	19.7
511.0	137.2	20.2	551.0	140.6	20.2	591.0	141.3	20.2	631.0	142.0	19.7
511.5	136.5	20.2	551.5	140.6	20.2	591.5	141.3	20.2	631.5	141.3	19.7
512.0	137.2	20.2	552.0	141.3	20.2	592.0	140.6	20.2	632.0	142.0	19.7
512.5	137.8	20.2	552.5	139.2	20.2	592.5	142.7	20.2	632.5	142.0	19.7
513.0	137.2	20.2	553.0	140.6	20.2	593.0	142.7	20.2	633.0	142.0	19.7
513.5	137.2	20.2	553.5	140.6	20.2	593.5	140.6	20.2	633.5	142.7	19.7
514.0	137.2	20.2	554.0	139.2	20.2	594.0	141.3	20.2	634.0	142.0	19.7
514.5	136.5	20.2	554.5	141.3	20.2	594.5	141.3	20.2	634.5	141.3	19.7
515.0	137.2	20.2	555.0	140.6	20.2	595.0	140.6	20.2	635.0	142.0	19.7
515.5	136.5	20.2	555.5	141.3	20.2	595.5	140.6	20.2	635.5	142.0	19.7
516.0	138.5	20.2	556.0	140.6	20.2	596.0	140.6	20.2	636.0	142.7	19.7
516.5	137.8	20.2	556.5	139.2	20.2	596.5	142.0	20.2	636.5	142.0	19.7
517.0	137.8	20.2	557.0	141.3	20.2	597.0	141.3	20.2	637.0	142.0	19.7
517.5	137.8	20.2	557.5	141.3	20.2	597.5	141.3	20.2	637.5	142.7	19.7
518.0	137.8	20.2	558.0	140.6	20.2	598.0	142.0	20.2	638.0	142.0	19.7
518.5	137.2	20.2	558.5	141.3	20.2	598.5	142.7	20.2	638.5	142.0	19.7
519.0	137.8	20.2	559.0	139.2	20.2	599.0	142.0	20.2	639.0	142.7	19.7
519.5	137.2	20.2	559.5	140.6	20.2	599.5	141.3	20.2	639.5	142.7	19.7
520.0	137.8	20.2	560.0	141.3	20.2	600.0	142.7	20.2	640.0	142.0	19.7
520.5	138.5	20.2	560.5	140.6	20.2	600.5	142.0	20.2	640.5	142.0	19.7

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
641.0	142.0	19.7	681.0	140.6	19.7	721.0	142.7	20.2	761.0	142.0	21.8
641.5	141.3	19.7	681.5	139.2	19.7	721.5	142.7	20.2	761.5	143.4	21.9
642.0	141.3	19.7	682.0	140.6	19.7	722.0	142.0	20.2	762.0	141.3	22.0
642.5	147.5	19.7	682.5	139.9	19.7	722.5	142.0	20.2	762.5	141.3	22.0
643.0	139.9	19.7	683.0	140.6	19.7	723.0	142.0	20.2	763.0	141.3	22.1
643.5	139.2	19.7	683.5	139.9	19.7	723.5	142.0	20.2	763.5	142.0	22.1
644.0	139.2	19.7	684.0	139.9	19.7	724.0	142.7	20.2	764.0	141.3	22.2
644.5	140.6	19.7	684.5	140.6	19.7	724.5	141.3	20.2	764.5	142.0	22.2
645.0	140.6	19.7	685.0	139.9	19.7	725.0	141.3	20.2	765.0	144.0	22.2
645.5	139.2	19.7	685.5	139.9	19.7	725.5	142.7	20.2	765.5	142.0	22.2
646.0	139.2	19.7	686.0	139.2	19.7	726.0	142.0	20.2	766.0	140.6	22.2
646.5	136.5	19.7	686.5	139.2	19.7	726.5	142.7	20.2	766.5	142.0	22.2
647.0	139.2	19.7	687.0	139.9	19.7	727.0	141.3	20.2	767.0	142.0	22.2
647.5	139.2	19.7	687.5	140.6	19.7	727.5	142.7	20.2	767.5	141.3	22.2
648.0	139.9	19.7	688.0	139.9	19.7	728.0	144.7	20.2	768.0	140.6	22.2
648.5	139.2	19.7	688.5	139.2	19.7	728.5	142.7	20.3	768.5	141.3	22.3
649.0	139.9	19.7	689.0	139.9	19.7	729.0	142.0	20.4	769.0	141.3	22.3
649.5	140.6	19.7	689.5	142.7	19.7	729.5	142.7	20.4	769.5	142.7	22.4
650.0	139.9	19.7	690.0	140.6	19.7	730.0	142.0	20.5	770.0	141.3	22.5
650.5	137.8	19.7	690.5	139.9	19.7	730.5	143.4	20.5	770.5	142.0	22.5
651.0	139.2	19.7	691.0	139.2	19.7	731.0	142.0	20.6	771.0	142.7	22.6
651.5	139.2	19.7	691.5	139.9	19.7	731.5	142.0	20.7	771.5	140.6	22.6
652.0	136.5	19.7	692.0	140.6	19.7	732.0	142.7	20.7	772.0	142.0	22.7
652.5	139.2	19.7	692.5	140.6	19.7	732.5	140.6	20.7	772.5	142.7	22.7
653.0	140.6	19.7	693.0	139.9	19.7	733.0	143.4	20.7	773.0	139.9	22.7
653.5	139.2	19.7	693.5	141.3	19.7	733.5	142.0	20.7	773.5	142.0	22.7
654.0	139.2	19.7	694.0	139.9	19.7	734.0	140.6	20.7	774.0	139.9	22.7
654.5	139.2	19.7	694.5	140.6	19.7	734.5	142.7	20.7	774.5	141.3	22.7
655.0	139.9	19.7	695.0	140.6	19.7	735.0	138.5	20.7	775.0	141.3	22.7
655.5	139.2	19.7	695.5	140.6	19.7	735.5	142.7	20.7	775.5	141.3	22.7
656.0	140.6	19.7	696.0	139.2	19.7	736.0	142.0	20.7	776.0	142.7	22.7
656.5	139.9	19.7	696.5	143.4	19.7	736.5	142.7	20.7	776.5	142.0	22.8
657.0	139.2	19.7	697.0	139.9	19.7	737.0	140.6	20.7	777.0	141.3	22.8
657.5	139.9	19.7	697.5	140.6	19.7	737.5	142.0	20.7	777.5	140.6	22.9
658.0	137.8	19.7	698.0	139.9	19.7	738.0	142.0	20.7	778.0	139.2	22.9
658.5	139.9	19.7	698.5	139.9	19.7	738.5	140.6	20.7	778.5	140.6	23.0
659.0	139.9	19.7	699.0	140.6	19.7	739.0	142.7	20.7	779.0	139.2	23.1
659.5	140.6	19.7	699.5	139.9	19.7	739.5	142.0	20.7	779.5	138.5	23.1
660.0	141.3	19.7	700.0	139.9	19.7	740.0	142.7	20.7	780.0	139.2	23.2
660.5	139.2	19.7	700.5	144.7	19.7	740.5	140.6	20.7	780.5	138.5	23.2
661.0	139.9	19.7	701.0	141.3	19.7	741.0	142.7	20.7	781.0	139.2	23.2
661.5	139.9	19.7	701.5	140.6	19.7	741.5	139.9	20.7	781.5	138.5	23.2
662.0	139.2	19.7	702.0	139.9	19.7	742.0	143.4	20.7	782.0	139.2	23.2
662.5	139.9	19.7	702.5	140.6	19.7	742.5	140.6	20.7	782.5	139.2	23.2
663.0	137.8	19.7	703.0	140.6	19.7	743.0	142.0	20.7	783.0	138.5	23.2
663.5	139.9	19.7	703.5	142.0	19.7	743.5	140.6	20.7	783.5	138.5	23.2
664.0	139.9	19.7	704.0	140.6	19.7	744.0	142.0	20.7	784.0	138.5	23.2
664.5	142.0	19.7	704.5	141.3	19.7	744.5	139.9	20.8	784.5	139.9	23.2
665.0	139.9	19.7	705.0	140.6	19.7	745.0	140.6	20.8	785.0	139.9	23.2
665.5	137.8	19.7	705.5	140.6	19.7	745.5	141.3	20.9	785.5	139.9	23.2
666.0	139.9	19.7	706.0	141.3	19.7	746.0	142.7	21.0	786.0	138.5	23.2
666.5	139.2	19.7	706.5	140.6	19.7	746.5	142.0	21.0	786.5	139.9	23.2
667.0	139.9	19.7	707.0	142.0	19.7	747.0	142.0	21.1	787.0	139.9	23.2
667.5	139.2	19.7	707.5	140.6	19.7	747.5	142.0	21.2	787.5	139.2	23.2
668.0	139.2	19.7	708.0	139.9	19.7	748.0	143.4	21.2	788.0	138.5	23.2
668.5	140.6	19.7	708.5	140.6	19.7	748.5	141.3	21.2	788.5	139.2	23.3
669.0	139.2	19.7	709.0	141.3	19.7	749.0	141.3	21.2	789.0	139.2	23.3
669.5	139.9	19.7	709.5	141.3	19.7	749.5	141.3	21.2	789.5	139.2	23.4
670.0	140.6	19.7	710.0	140.6	19.7	750.0	141.3	21.2	790.0	138.5	23.4
670.5	139.9	19.7	710.5	137.8	19.7	750.5	141.3	21.2	790.5	139.2	23.5
671.0	139.2	19.7	711.0	141.3	19.7	751.0	141.3	21.2	791.0	138.5	23.6
671.5	139.9	19.7	711.5	141.3	19.7	751.5	141.3	21.2	791.5	140.6	23.6
672.0	139.9	19.7	712.0	142.0	19.7	752.0	142.0	21.2	792.0	140.6	23.7
672.5	139.2	19.7	712.5	141.3	19.8	752.5	140.6	21.3	792.5	139.2	23.7
673.0	139.2	19.7	713.0	141.3	19.9	753.0	141.3	21.3	793.0	139.2	23.7
673.5	139.2	19.7	713.5	141.3	19.9	753.5	142.0	21.4	793.5	139.9	23.7
674.0	139.9	19.7	714.0	141.3	20.0	754.0	142.7	21.5	794.0	139.2	23.7
674.5	139.9	19.7	714.5	140.6	20.0	754.5	141.3	21.5	794.5	139.9	23.7
675.0	139.2	19.7	715.0	142.7	20.1	755.0	142.0	21.6	795.0	140.6	23.7
675.5	140.6	19.7	715.5	141.3	20.2	755.5	141.3	21.6	795.5	139.2	23.7
676.0	139.9	19.7	716.0	142.7	20.2	756.0	142.0	21.7	796.0	139.9	23.7
676.5	139.2	19.7	716.5	141.3	20.2	756.5	142.0	21.7	796.5	139.9	23.7
677.0	139.2	19.7	717.0	141.3	20.2	757.0	141.3	21.7	797.0	139.2	23.8
677.5	140.6	19.7	717.5	142.0	20.2	757.5	141.3	21.7	797.5	139.9	23.9
678.0	139.9	19.7	718.0	142.0	20.2	758.0	141.3	21.7	798.0	134.4	23.9
678.5	139.2	19.7	718.5	142.0	20.2	758.5	143.4	21.7	798.5	138.5	24.0
679.0	139.9	19.7	719.0	141.3	20.2	759.0	142.0	21.7	799.0	139.9	24.1
679.5	139.9	19.7	719.5	142.7	20.2	759.5	142.0	21.7	799.5	139.9	24.1
680.0	137.8	19.7	720.0	142.0	20.2	760.0	140.6	21.7	800.0	139.9	24.2
680.5	139.9	19.7	720.5	143.4	20.2	760.5	141.3	21.8	800.5	139.2	24.2

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
801.0	139.2	24.2	841.0	139.9	26.7	881.0	142.7	27.8	921.0	143.4	29.1
801.5	140.6	24.2	841.5	140.6	26.7	881.5	142.7	27.8	921.5	142.7	29.1
802.0	139.9	24.2	842.0	140.6	26.7	882.0	141.3	27.9	922.0	143.4	29.1
802.5	141.3	24.2	842.5	141.3	26.7	882.5	141.3	27.9	922.5	144.0	29.1
803.0	140.6	24.2	843.0	140.6	26.7	883.0	144.0	28.0	923.0	143.4	29.1
803.5	141.3	24.2	843.5	142.7	26.7	883.5	142.7	28.1	923.5	143.4	29.1
804.0	143.4	24.2	844.0	139.9	26.7	884.0	143.4	28.1	924.0	143.4	29.1
804.5	139.9	24.2	844.5	140.6	26.7	884.5	143.4	28.1	924.5	144.0	29.1
805.0	139.9	24.3	845.0	139.9	26.7	885.0	142.0	28.1	925.0	143.4	29.1
805.5	141.3	24.4	845.5	141.3	26.7	885.5	142.0	28.1	925.5	144.0	29.1
806.0	139.9	24.4	846.0	140.6	26.7	886.0	143.4	28.1	926.0	144.0	29.1
806.5	140.6	24.5	846.5	139.9	26.7	886.5	142.0	28.1	926.5	143.4	29.1
807.0	139.9	24.6	847.0	141.3	26.7	887.0	142.0	28.1	927.0	144.0	29.1
807.5	140.6	24.6	847.5	144.0	26.7	887.5	141.3	28.1	927.5	143.4	29.1
808.0	140.6	24.7	848.0	141.3	26.7	888.0	142.0	28.1	928.0	144.0	29.1
808.5	139.9	24.7	848.5	140.6	26.7	888.5	143.4	28.1	928.5	144.0	29.2
809.0	140.6	24.7	849.0	141.3	26.8	889.0	142.0	28.1	929.0	144.0	29.2
809.5	140.6	24.7	849.5	141.3	26.8	889.5	143.4	28.1	929.5	143.4	29.3
810.0	141.3	24.7	850.0	140.6	26.9	890.0	143.4	28.1	930.0	144.0	29.4
810.5	140.6	24.7	850.5	140.6	27.0	890.5	143.4	28.1	930.5	144.0	29.4
811.0	140.6	24.7	851.0	142.0	27.0	891.0	143.4	28.1	931.0	144.0	29.5
811.5	140.6	24.7	851.5	141.3	27.1	891.5	143.4	28.1	931.5	144.0	29.6
812.0	140.6	24.7	852.0	142.0	27.1	892.0	144.0	28.1	932.0	144.0	29.6
812.5	140.6	24.7	852.5	141.3	27.1	892.5	143.4	28.1	932.5	144.0	29.6
813.0	141.3	24.8	853.0	141.3	27.1	893.0	144.0	28.1	933.0	144.0	29.6
813.5	142.0	24.9	853.5	142.7	27.1	893.5	142.0	28.1	933.5	144.0	29.6
814.0	135.8	24.9	854.0	141.3	27.1	894.0	141.3	28.1	934.0	144.0	29.6
814.5	140.6	25.0	854.5	140.6	27.1	894.5	143.4	28.1	934.5	144.0	29.6
815.0	141.3	25.0	855.0	141.3	27.1	895.0	144.0	28.1	935.0	144.0	29.6
815.5	139.9	25.1	855.5	142.0	27.1	895.5	144.0	28.1	935.5	144.0	29.6
816.0	141.3	25.2	856.0	142.0	27.1	896.0	143.4	28.1	936.0	144.7	29.6
816.5	139.9	25.2	856.5	142.0	27.1	896.5	143.4	28.1	936.5	144.0	29.6
817.0	141.3	25.2	857.0	142.0	27.1	897.0	142.0	28.1	937.0	144.7	29.6
817.5	141.3	25.2	857.5	141.3	27.1	897.5	143.4	28.1	937.5	144.7	29.6
818.0	139.9	25.2	858.0	142.0	27.1	898.0	144.0	28.1	938.0	144.7	29.6
818.5	141.3	25.2	858.5	141.3	27.1	898.5	144.7	28.1	938.5	144.7	29.6
819.0	141.3	25.2	859.0	141.3	27.1	899.0	143.4	28.1	939.0	144.0	29.6
819.5	141.3	25.2	859.5	141.3	27.1	899.5	144.0	28.1	939.5	144.7	29.6
820.0	142.0	25.2	860.0	142.7	27.1	900.0	143.4	28.1	940.0	144.0	29.6
820.5	142.0	25.2	860.5	141.3	27.2	900.5	144.0	28.2	940.5	144.0	29.6
821.0	142.0	25.3	861.0	141.3	27.3	901.0	143.4	28.3	941.0	144.7	29.6
821.5	142.7	25.4	861.5	142.7	27.3	901.5	143.4	28.3	941.5	144.7	29.6
822.0	139.9	25.4	862.0	142.0	27.4	902.0	142.7	28.4	942.0	144.7	29.6
822.5	139.2	25.5	862.5	141.3	27.5	902.5	144.0	28.4	942.5	144.7	29.6
823.0	139.9	25.5	863.0	137.2	27.5	903.0	142.7	28.5	943.0	144.7	29.6
823.5	140.6	25.6	863.5	141.3	27.6	903.5	144.0	28.6	943.5	144.0	29.6
824.0	141.3	25.7	864.0	142.7	27.6	904.0	143.4	28.6	944.0	144.7	29.6
824.5	140.6	25.7	864.5	142.0	27.6	904.5	142.7	28.6	944.5	145.4	29.6
825.0	137.2	25.7	865.0	140.6	27.6	905.0	144.7	28.6	945.0	144.7	29.6
825.5	139.9	25.7	865.5	140.6	27.6	905.5	142.7	28.6	945.5	144.7	29.6
826.0	140.6	25.7	866.0	142.0	27.6	906.0	143.4	28.6	946.0	144.0	29.6
826.5	139.9	25.7	866.5	143.4	27.6	906.5	142.7	28.6	946.5	144.7	29.6
827.0	139.9	25.7	867.0	142.0	27.6	907.0	143.4	28.6	947.0	145.4	29.6
827.5	141.3	25.7	867.5	140.6	27.6	907.5	143.4	28.6	947.5	145.4	29.6
828.0	140.6	25.7	868.0	143.4	27.6	908.0	143.4	28.6	948.0	144.7	29.6
828.5	139.9	25.7	868.5	142.0	27.6	908.5	143.4	28.6	948.5	144.7	29.7
829.0	140.6	25.8	869.0	142.0	27.6	909.0	143.4	28.6	949.0	144.7	29.7
829.5	140.6	25.8	869.5	140.6	27.6	909.5	143.4	28.6	949.5	144.7	29.8
830.0	140.6	25.9	870.0	142.0	27.6	910.0	143.4	28.6	950.0	144.7	29.9
830.5	139.9	26.0	870.5	140.6	27.6	910.5	144.7	28.6	950.5	144.7	29.9
831.0	142.0	26.0	871.0	142.7	27.6	911.0	143.4	28.6	951.0	145.4	30.0
831.5	140.6	26.1	871.5	142.0	27.6	911.5	142.7	28.6	951.5	144.7	30.0
832.0	139.2	26.2	872.0	142.7	27.6	912.0	143.4	28.6	952.0	145.4	30.1
832.5	139.2	26.2	872.5	142.0	27.6	912.5	143.4	28.7	952.5	144.7	30.1
833.0	138.5	26.2	873.0	142.7	27.6	913.0	143.4	28.7	953.0	144.7	30.1
833.5	141.3	26.2	873.5	142.7	27.6	913.5	144.0	28.8	953.5	144.7	30.1
834.0	140.6	26.2	874.0	142.0	27.6	914.0	143.4	28.9	954.0	144.7	30.1
834.5	139.9	26.2	874.5	142.0	27.6	914.5	143.4	28.9	954.5	145.4	30.1
835.0	139.9	26.2	875.0	142.0	27.6	915.0	143.4	29.0	955.0	144.7	30.1
835.5	139.9	26.2	875.5	142.7	27.6	915.5	144.0	29.1	955.5	144.7	30.1
836.0	139.9	26.2	876.0	142.7	27.6	916.0	144.7	29.1	956.0	146.8	30.1
836.5	139.2	26.2	876.5	142.0	27.6	916.5	144.0	29.1	956.5	144.7	30.1
837.0	139.9	26.3	877.0	140.6	27.6	917.0	144.0	29.1	957.0	146.1	30.1
837.5	139.9	26.3	877.5	142.0	27.6	917.5	143.4	29.1	957.5	146.1	30.1
838.0	139.9	26.4	878.0	142.0	27.6	918.0	143.4	29.1	958.0	144.7	30.1
838.5	141.3	26.5	878.5	142.7	27.6	918.5	143.4	29.1	958.5	144.7	30.1
839.0	139.2	26.5	879.0	142.7	27.6	919.0	142.7	29.1	959.0	144.7	30.1
839.5	140.6	26.6	879.5	142.7	27.6	919.5	143.4	29.1	959.5	144.7	30.1
840.0	137.8	26.7	880.0	142.0	27.6	920.0	144.0	29.1	960.0	145.4	30.1
840.5	139.9	26.7	880.5	142.0	27.7	920.5	142.7	29.1	960.5	144.7	30.1

TEST REFERENCE#: 301215B

FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
961.0	144.7	30.1	1001.0	150.9	32.1	1041.0	153.7	34.1	1081.0	155.1	36.7
961.5	145.4	30.1	1001.5	150.3	32.1	1041.5	154.4	34.1	1081.5	154.4	36.7
962.0	145.4	30.1	1002.0	148.9	32.1	1042.0	154.4	34.1	1082.0	155.1	36.8
962.5	146.1	30.1	1002.5	150.3	32.1	1042.5	154.4	34.1	1082.5	155.1	36.8
963.0	145.4	30.1	1003.0	150.9	32.1	1043.0	154.4	34.1	1083.0	155.1	36.9
963.5	145.4	30.1	1003.5	150.9	32.1	1043.5	154.4	34.1	1083.5	155.1	37.0
964.0	145.4	30.1	1004.0	149.6	32.1	1044.0	154.4	34.1	1084.0	155.1	37.0
964.5	145.4	30.1	1004.5	150.9	32.1	1044.5	154.4	34.1	1084.5	153.7	37.0
965.0	146.1	30.1	1005.0	150.9	32.2	1045.0	155.1	34.2	1085.0	160.6	37.0
965.5	146.1	30.1	1005.5	149.6	32.3	1045.5	154.4	34.2	1085.5	155.1	37.0
966.0	145.4	30.1	1006.0	150.3	32.3	1046.0	153.7	34.3	1086.0	153.7	37.0
966.5	145.4	30.1	1006.5	150.9	32.4	1046.5	153.0	34.4	1086.5	155.1	37.0
967.0	144.7	30.1	1007.0	150.3	32.5	1047.0	153.0	34.4	1087.0	153.7	37.0
967.5	146.1	30.1	1007.5	150.9	32.5	1047.5	155.1	34.5	1087.5	155.1	37.0
968.0	146.1	30.1	1008.0	151.6	32.6	1048.0	153.7	34.6	1088.0	155.1	37.0
968.5	146.1	30.1	1008.5	151.6	32.6	1048.5	153.0	34.6	1088.5	155.1	37.1
969.0	146.1	30.1	1009.0	150.9	32.6	1049.0	153.7	34.6	1089.0	154.4	37.1
969.5	147.5	30.1	1009.5	144.7	32.6	1049.5	153.7	34.6	1089.5	154.4	37.2
970.0	146.8	30.1	1010.0	150.9	32.6	1050.0	153.7	34.6	1090.0	154.4	37.3
970.5	146.1	30.1	1010.5	152.3	32.6	1050.5	155.1	34.6	1090.5	152.3	37.3
971.0	146.8	30.1	1011.0	151.6	32.6	1051.0	153.7	34.6	1091.0	154.4	37.4
971.5	146.8	30.1	1011.5	150.9	32.6	1051.5	153.7	34.6	1091.5	154.4	37.5
972.0	146.8	30.1	1012.0	153.7	32.6	1052.0	155.1	34.6	1092.0	153.7	37.5
972.5	147.5	30.2	1012.5	150.9	32.6	1052.5	153.7	34.6	1092.5	154.4	37.6
973.0	146.8	30.2	1013.0	150.9	32.7	1053.0	153.7	34.7	1093.0	154.4	37.6
973.5	146.8	30.3	1013.5	150.9	32.8	1053.5	153.7	34.7	1093.5	155.1	37.7
974.0	146.1	30.4	1014.0	152.3	32.8	1054.0	154.4	34.8	1094.0	154.4	37.8
974.5	146.8	30.4	1014.5	151.6	32.9	1054.5	153.7	34.9	1094.5	154.4	37.8
975.0	146.8	30.5	1015.0	151.6	32.9	1055.0	154.4	34.9	1095.0	154.4	37.9
975.5	147.5	30.5	1015.5	152.3	33.0	1055.5	154.4	35.0	1095.5	154.4	37.9
976.0	146.8	30.6	1016.0	151.6	33.1	1056.0	154.4	35.0	1096.0	155.1	38.0
976.5	146.8	30.6	1016.5	150.9	33.1	1056.5	153.7	35.0	1096.5	154.4	38.0
977.0	146.8	30.6	1017.0	152.3	33.1	1057.0	154.4	35.0	1097.0	154.4	38.0
977.5	147.5	30.6	1017.5	152.3	33.1	1057.5	153.0	35.0	1097.5	155.1	38.0
978.0	147.5	30.6	1018.0	150.9	33.1	1058.0	154.4	35.0	1098.0	154.4	38.0
978.5	146.8	30.6	1018.5	151.6	33.1	1058.5	153.7	35.0	1098.5	155.1	38.0
979.0	146.8	30.6	1019.0	151.6	33.1	1059.0	154.4	35.0	1099.0	154.4	38.0
979.5	147.5	30.6	1019.5	152.3	33.1	1059.5	154.4	35.0	1099.5	154.4	38.0
980.0	147.5	30.6	1020.0	153.0	33.1	1060.0	155.1	35.0	1100.0	155.1	38.0
980.5	147.5	30.7	1020.5	151.6	33.1	1060.5	154.4	35.1	1100.5	155.8	38.1
981.0	148.2	30.7	1021.0	152.3	33.2	1061.0	154.4	35.2	1101.0	155.8	38.1
981.5	146.8	30.8	1021.5	154.4	33.3	1061.5	154.4	35.2	1101.5	155.8	38.2
982.0	147.5	30.8	1022.0	152.3	33.3	1062.0	154.4	35.3	1102.0	155.8	38.3
982.5	148.2	30.9	1022.5	153.0	33.4	1062.5	154.4	35.4	1102.5	155.1	38.3
983.0	148.2	31.0	1023.0	152.3	33.4	1063.0	153.7	35.4	1103.0	157.1	38.4
983.5	147.5	31.0	1023.5	152.3	33.5	1063.5	154.4	35.5	1103.5	155.8	38.4
984.0	146.8	31.1	1024.0	153.0	33.6	1064.0	153.7	35.5	1104.0	155.8	38.5
984.5	147.5	31.1	1024.5	152.3	33.6	1064.5	154.4	35.5	1104.5	155.1	38.6
985.0	147.5	31.1	1025.0	152.3	33.6	1065.0	154.4	35.5	1105.0	155.8	38.6
985.5	148.2	31.1	1025.5	152.3	33.6	1065.5	154.4	35.5	1105.5	155.1	38.7
986.0	148.2	31.1	1026.0	152.3	33.6	1066.0	154.4	35.5	1106.0	154.4	38.7
986.5	148.9	31.1	1026.5	153.0	33.6	1066.5	154.4	35.5	1106.5	155.8	38.8
987.0	148.2	31.1	1027.0	153.7	33.6	1067.0	154.4	35.5	1107.0	155.8	38.9
987.5	146.8	31.1	1027.5	153.0	33.6	1067.5	154.4	35.5	1107.5	155.8	38.9
988.0	148.9	31.1	1028.0	153.0	33.6	1068.0	154.4	35.5	1108.0	155.1	39.0
988.5	148.9	31.2	1028.5	153.0	33.6	1068.5	154.4	35.6	1108.5	155.8	39.0
989.0	148.2	31.2	1029.0	153.0	33.7	1069.0	154.4	35.7	1109.0	155.8	39.0
989.5	148.2	31.3	1029.5	152.3	33.7	1069.5	154.4	35.7	1109.5	155.8	39.0
990.0	148.2	31.3	1030.0	153.7	33.8	1070.0	155.1	35.8	1110.0	155.8	39.0
990.5	148.9	31.4	1030.5	153.7	33.9	1070.5	154.4	35.8	1110.5	155.8	39.0
991.0	148.2	31.5	1031.0	153.0	33.9	1071.0	153.7	35.9	1111.0	155.8	39.0
991.5	148.9	31.5	1031.5	154.4	34.0	1071.5	153.7	36.0	1111.5	156.5	39.0
992.0	148.9	31.6	1032.0	153.0	34.1	1072.0	154.4	36.0	1112.0	155.8	39.0
992.5	148.9	31.6	1032.5	153.7	34.1	1072.5	153.7	36.0	1112.5	156.5	39.1
993.0	149.6	31.6	1033.0	153.7	34.1	1073.0	153.7	36.0	1113.0	155.8	39.1
993.5	148.2	31.6	1033.5	153.7	34.1	1073.5	154.4	36.0	1113.5	157.1	39.2
994.0	148.9	31.6	1034.0	153.0	34.1	1074.0	154.4	36.0	1114.0	156.5	39.2
994.5	148.2	31.6	1034.5	154.4	34.1	1074.5	154.4	36.0	1114.5	155.8	39.3
995.0	148.9	31.6	1035.0	153.0	34.1	1075.0	153.7	36.0	1115.0	156.5	39.4
995.5	149.6	31.6	1035.5	153.7	34.1	1075.5	153.7	36.0	1115.5	156.5	39.4
996.0	148.9	31.6	1036.0	154.4	34.1	1076.0	154.4	36.0	1116.0	156.5	39.5
996.5	148.9	31.7	1036.5	153.7	34.1	1076.5	154.4	36.1	1116.5	156.5	39.6
997.0	150.3	31.7	1037.0	154.4	34.1	1077.0	154.4	36.2	1117.0	156.5	39.6
997.5	149.6	31.8	1037.5	154.4	34.1	1077.5	154.4	36.2	1117.5	156.5	39.7
998.0	148.9	31.8	1038.0	153.7	34.1	1078.0	155.1	36.3	1118.0	156.5	39.7
998.5	148.9	31.9	1038.5	149.6	34.1	1078.5	154.4	36.3	1118.5	156.5	39.8
999.0	150.3	32.0	1039.0	154.4	34.1	1079.0	154.4	36.4	1119.0	156.5	39.9
999.5	150.3	32.0	1039.5	153.7	34.1	1079.5	154.4	36.5	1119.5	156.5	39.9
1000.0	149.6	32.1	1040.0	154.4	34.1	1080.0	154.4	36.5	1120.0	155.8	40.0
1000.5	149.6	32.1	1040.5	154.4	34.1	1080.5	155.1	36.6	1120.5	157.8	40.0

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1121.0	157.1	40.0	1161.0	158.5	45.7	1201.0	157.1	50.5	1241.0	157.8	51.5
1121.5	155.1	40.0	1161.5	157.8	45.8	1201.5	157.1	50.5	1241.5	157.8	51.5
1122.0	157.1	40.0	1162.0	156.5	46.0	1202.0	157.1	50.5	1242.0	158.5	51.5
1122.5	158.5	40.0	1162.5	157.1	46.1	1202.5	156.5	50.5	1242.5	158.5	51.5
1123.0	157.8	40.0	1163.0	157.1	46.2	1203.0	157.1	50.5	1243.0	157.8	51.5
1123.5	157.1	40.0	1163.5	157.8	46.3	1203.5	157.1	50.5	1243.5	158.5	51.5
1124.0	157.8	40.0	1164.0	157.1	46.5	1204.0	157.1	50.5	1244.0	158.5	51.5
1124.5	158.5	40.0	1164.5	157.8	46.6	1204.5	157.1	50.5	1244.5	158.5	51.5
1125.0	158.5	40.1	1165.0	157.1	46.7	1205.0	157.1	50.5	1245.0	162.7	51.5
1125.5	156.5	40.2	1165.5	156.5	46.8	1205.5	157.8	50.5	1245.5	157.8	51.5
1126.0	156.5	40.2	1166.0	157.1	47.0	1206.0	157.1	50.5	1246.0	158.5	51.5
1126.5	156.5	40.3	1166.5	157.1	47.1	1206.5	157.1	50.5	1246.5	158.5	51.5
1127.0	157.1	40.4	1167.0	156.5	47.2	1207.0	157.1	50.5	1247.0	158.5	51.5
1127.5	157.1	40.4	1167.5	157.8	47.3	1207.5	157.1	50.5	1247.5	159.2	51.5
1128.0	156.5	40.5	1168.0	157.1	47.5	1208.0	157.1	50.5	1248.0	158.5	51.5
1128.5	156.5	40.5	1168.5	157.1	47.5	1208.5	157.1	50.5	1248.5	158.5	51.5
1129.0	158.5	40.6	1169.0	157.1	47.6	1209.0	157.1	50.6	1249.0	158.5	51.5
1129.5	157.8	40.7	1169.5	157.8	47.7	1209.5	157.1	50.6	1249.5	158.5	51.5
1130.0	157.8	40.7	1170.0	157.1	47.7	1210.0	157.1	50.7	1250.0	157.8	51.5
1130.5	157.8	40.8	1170.5	156.5	47.8	1210.5	157.1	50.8	1250.5	159.2	51.5
1131.0	157.8	40.9	1171.0	156.5	47.8	1211.0	157.1	50.8	1251.0	158.5	51.5
1131.5	157.8	40.9	1171.5	157.1	47.9	1211.5	157.1	50.9	1251.5	158.5	51.5
1132.0	155.8	41.0	1172.0	157.1	48.0	1212.0	157.8	51.0	1252.0	158.5	51.5
1132.5	159.9	41.0	1172.5	157.1	48.0	1212.5	156.5	51.0	1252.5	158.5	51.5
1133.0	157.1	41.1	1173.0	157.1	48.1	1213.0	157.8	51.0	1253.0	159.2	51.6
1133.5	157.1	41.2	1173.5	157.1	48.2	1213.5	158.5	51.0	1253.5	158.5	51.6
1134.0	156.5	41.2	1174.0	157.8	48.2	1214.0	157.8	51.0	1254.0	158.5	51.7
1134.5	157.1	41.3	1174.5	157.8	48.3	1214.5	158.5	51.0	1254.5	159.2	51.8
1135.0	156.5	41.4	1175.0	157.1	48.3	1215.0	157.8	51.0	1255.0	158.5	51.8
1135.5	157.1	41.4	1175.5	157.8	48.4	1215.5	156.5	51.0	1255.5	159.2	51.9
1136.0	157.8	41.5	1176.0	156.5	48.5	1216.0	157.8	51.0	1256.0	159.2	52.0
1136.5	157.1	41.5	1176.5	157.8	48.5	1216.5	157.8	51.0	1256.5	157.8	52.0
1137.0	156.5	41.6	1177.0	157.1	48.6	1217.0	157.8	51.0	1257.0	157.8	52.0
1137.5	157.8	41.7	1177.5	157.1	48.7	1217.5	157.8	51.0	1257.5	159.9	52.0
1138.0	158.5	41.7	1178.0	157.1	48.7	1218.0	157.8	51.0	1258.0	157.8	52.0
1138.5	157.8	41.8	1178.5	157.1	48.8	1218.5	158.5	51.0	1258.5	157.8	52.0
1139.0	157.8	41.9	1179.0	157.8	48.8	1219.0	157.8	51.0	1259.0	159.2	52.0
1139.5	158.5	41.9	1179.5	157.1	48.9	1219.5	157.8	51.0	1259.5	157.8	52.0
1140.0	157.8	42.0	1180.0	157.1	49.0	1220.0	158.5	51.0	1260.0	159.2	52.0
1140.5	157.8	42.0	1180.5	157.1	49.0	1220.5	158.5	51.0	1260.5	157.8	52.0
1141.0	157.8	42.1	1181.0	157.1	49.1	1221.0	157.8	51.0	1261.0	159.2	52.0
1141.5	157.8	42.2	1181.5	157.8	49.2	1221.5	158.5	51.0	1261.5	157.8	52.0
1142.0	157.1	42.2	1182.0	157.1	49.2	1222.0	157.8	51.0	1262.0	157.8	52.0
1142.5	157.8	42.3	1182.5	157.1	49.3	1222.5	159.2	51.0	1262.5	159.2	52.0
1143.0	157.8	42.4	1183.0	156.5	49.3	1223.0	157.8	51.0	1263.0	159.9	52.0
1143.5	158.5	42.4	1183.5	156.5	49.4	1223.5	158.5	51.0	1263.5	157.8	52.0
1144.0	158.5	42.5	1184.0	156.5	49.5	1224.0	157.8	51.0	1264.0	159.2	52.0
1144.5	157.1	42.5	1184.5	156.5	49.5	1224.5	157.8	51.0	1264.5	159.2	52.0
1145.0	157.8	42.6	1185.0	157.1	49.5	1225.0	158.5	51.0	1265.0	157.8	52.0
1145.5	157.8	42.7	1185.5	156.5	49.5	1225.5	158.5	51.0	1265.5	159.9	52.0
1146.0	156.5	42.7	1186.0	157.1	49.5	1226.0	157.8	51.0	1266.0	159.9	52.0
1146.5	158.5	42.8	1186.5	157.1	49.5	1226.5	158.5	51.0	1266.5	159.2	52.0
1147.0	157.8	42.9	1187.0	157.1	49.5	1227.0	157.8	51.0	1267.0	159.2	52.0
1147.5	157.1	42.9	1187.5	156.5	49.5	1227.5	157.8	51.0	1267.5	159.9	52.0
1148.0	161.3	43.0	1188.0	157.1	49.5	1228.0	158.5	51.0	1268.0	159.9	52.0
1148.5	157.8	43.1	1188.5	157.1	49.5	1228.5	159.2	51.0	1268.5	159.9	52.0
1149.0	157.1	43.2	1189.0	157.1	49.6	1229.0	158.5	51.1	1269.0	159.9	52.0
1149.5	157.8	43.4	1189.5	157.8	49.6	1229.5	157.8	51.1	1269.5	159.9	52.0
1150.0	157.8	43.5	1190.0	157.1	49.7	1230.0	157.8	51.2	1270.0	159.2	52.0
1150.5	155.1	43.6	1190.5	157.1	49.8	1230.5	158.5	51.3	1270.5	161.3	52.0
1151.0	157.1	43.7	1191.0	157.1	49.8	1231.0	157.8	51.3	1271.0	159.9	52.0
1151.5	157.1	43.8	1191.5	157.1	49.9	1231.5	157.8	51.4	1271.5	159.9	52.0
1152.0	157.8	44.0	1192.0	157.1	50.0	1232.0	157.1	51.5	1272.0	160.6	52.0
1152.5	158.5	44.0	1192.5	157.1	50.0	1232.5	157.1	51.5	1272.5	159.9	52.0
1153.0	157.8	44.1	1193.0	157.1	50.0	1233.0	158.5	51.5	1273.0	160.6	52.1
1153.5	158.5	44.2	1193.5	157.1	50.0	1233.5	157.1	51.5	1273.5	159.2	52.1
1154.0	158.5	44.2	1194.0	157.1	50.0	1234.0	157.8	51.5	1274.0	159.2	52.2
1154.5	158.5	44.3	1194.5	157.1	50.0	1234.5	157.8	51.5	1274.5	159.9	52.3
1155.0	159.9	44.3	1195.0	157.1	50.0	1235.0	157.1	51.5	1275.0	159.2	52.3
1155.5	158.5	44.4	1195.5	157.1	50.0	1235.5	158.5	51.5	1275.5	159.9	52.4
1156.0	159.2	44.5	1196.0	157.1	50.0	1236.0	158.5	51.5	1276.0	159.2	52.5
1156.5	157.8	44.6	1196.5	157.8	50.0	1236.5	157.8	51.5	1276.5	159.9	52.5
1157.0	158.5	44.7	1197.0	157.8	50.1	1237.0	158.5	51.5	1277.0	159.9	52.5
1157.5	158.5	44.8	1197.5	156.5	50.1	1237.5	158.5	51.5	1277.5	159.2	52.5
1158.0	156.5	45.0	1198.0	156.5	50.2	1238.0	158.5	51.5	1278.0	158.5	52.5
1158.5	158.5	45.1	1198.5	156.5	50.3	1238.5	158.5	51.5	1278.5	159.9	52.5
1159.0	158.5	45.2	1199.0	156.5	50.3	1239.0	159.2	51.5	1279.0	159.9	52.5
1159.5	157.8	45.3	1199.5	157.1	50.4	1239.5	157.8	51.5	1279.5	159.9	52.5
1160.0	159.2	45.5	1200.0	156.5	50.5	1240.0	158.5	51.5	1280.0	159.9	52.5
1160.5	157.8	45.6	1200.5	156.5	50.5	1240.5	158.5	51.5	1280.5	159.2	52.5

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1281.0	159.2	52.5	1321.0	161.3	53.0	1361.0	161.3	53.5	1401.0	162.7	53.5
1281.5	159.9	52.5	1321.5	162.0	53.0	1361.5	161.3	53.5	1401.5	162.7	53.5
1282.0	159.2	52.5	1322.0	161.3	53.0	1362.0	160.6	53.5	1402.0	162.7	53.5
1282.5	159.9	52.5	1322.5	160.6	53.0	1362.5	162.0	53.5	1402.5	162.7	53.5
1283.0	160.6	52.5	1323.0	160.6	53.0	1363.0	162.0	53.5	1403.0	162.7	53.5
1283.5	159.9	52.5	1323.5	159.2	53.0	1363.5	161.3	53.5	1403.5	162.0	53.5
1284.0	159.2	52.5	1324.0	161.3	53.0	1364.0	162.0	53.5	1404.0	162.0	53.5
1284.5	160.6	52.5	1324.5	162.0	53.0	1364.5	161.3	53.5	1404.5	162.0	53.5
1285.0	160.6	52.5	1325.0	160.6	53.0	1365.0	160.6	53.5	1405.0	163.4	53.5
1285.5	159.9	52.5	1325.5	160.6	53.0	1365.5	162.0	53.5	1405.5	163.4	53.5
1286.0	159.9	52.5	1326.0	160.6	53.0	1366.0	161.3	53.5	1406.0	162.7	53.5
1286.5	159.2	52.5	1326.5	158.5	53.0	1366.5	160.6	53.5	1406.5	163.4	53.5
1287.0	159.9	52.5	1327.0	161.3	53.0	1367.0	161.3	53.5	1407.0	162.7	53.5
1287.5	160.6	52.5	1327.5	161.3	53.0	1367.5	162.0	53.5	1407.5	162.7	53.5
1288.0	160.6	52.5	1328.0	160.6	53.0	1368.0	160.6	53.5	1408.0	162.7	53.5
1288.5	159.2	52.5	1328.5	161.3	53.0	1368.5	161.3	53.5	1408.5	162.7	53.5
1289.0	159.2	52.5	1329.0	160.6	53.0	1369.0	160.6	53.5	1409.0	162.7	53.5
1289.5	160.6	52.5	1329.5	160.6	53.0	1369.5	160.6	53.5	1409.5	162.7	53.5
1290.0	159.9	52.5	1330.0	161.3	53.0	1370.0	161.3	53.5	1410.0	163.4	53.5
1290.5	159.9	52.5	1330.5	161.3	53.0	1370.5	161.3	53.5	1410.5	163.4	53.5
1291.0	160.6	52.5	1331.0	161.3	53.0	1371.0	161.3	53.5	1411.0	163.4	53.5
1291.5	160.6	52.5	1331.5	161.3	53.0	1371.5	162.0	53.5	1411.5	163.4	53.5
1292.0	159.9	52.5	1332.0	161.3	53.0	1372.0	161.3	53.5	1412.0	162.7	53.5
1292.5	160.6	52.5	1332.5	161.3	53.0	1372.5	162.7	53.5	1412.5	162.0	53.5
1293.0	160.6	52.5	1333.0	161.3	53.0	1373.0	162.0	53.5	1413.0	162.7	53.6
1293.5	159.9	52.5	1333.5	160.6	53.0	1373.5	162.0	53.5	1413.5	163.4	53.6
1294.0	161.3	52.5	1334.0	161.3	53.0	1374.0	162.0	53.5	1414.0	163.4	53.7
1294.5	159.2	52.5	1334.5	160.6	53.0	1374.5	161.3	53.5	1414.5	163.4	53.8
1295.0	160.6	52.5	1335.0	160.6	53.0	1375.0	161.3	53.5	1415.0	163.4	53.8
1295.5	159.9	52.5	1335.5	160.6	53.0	1375.5	162.0	53.5	1415.5	162.7	53.9
1296.0	160.6	52.5	1336.0	161.3	53.0	1376.0	161.3	53.5	1416.0	163.4	54.0
1296.5	160.6	52.5	1336.5	160.6	53.0	1376.5	161.3	53.5	1416.5	162.7	54.0
1297.0	160.6	52.5	1337.0	162.0	53.0	1377.0	161.3	53.5	1417.0	163.4	54.0
1297.5	159.9	52.5	1337.5	161.3	53.0	1377.5	161.3	53.5	1417.5	162.7	54.0
1298.0	160.6	52.5	1338.0	160.6	53.0	1378.0	162.0	53.5	1418.0	163.4	54.0
1298.5	160.6	52.5	1338.5	161.3	53.0	1378.5	161.3	53.5	1418.5	162.7	54.0
1299.0	160.6	52.5	1339.0	161.3	53.0	1379.0	162.7	53.5	1419.0	162.7	54.0
1299.5	160.6	52.5	1339.5	161.3	53.0	1379.5	162.0	53.5	1419.5	162.7	54.0
1300.0	160.6	52.5	1340.0	161.3	53.0	1380.0	161.3	53.5	1420.0	162.7	54.0
1300.5	160.6	52.5	1340.5	161.3	53.0	1380.5	161.3	53.5	1420.5	164.0	54.0
1301.0	159.9	52.5	1341.0	161.3	53.0	1381.0	162.0	53.5	1421.0	163.4	54.0
1301.5	160.6	52.5	1341.5	159.2	53.0	1381.5	162.0	53.5	1421.5	163.4	54.0
1302.0	160.6	52.5	1342.0	160.6	53.0	1382.0	161.3	53.5	1422.0	162.7	54.0
1302.5	160.6	52.5	1342.5	160.6	53.0	1382.5	161.3	53.5	1422.5	163.4	54.0
1303.0	160.6	52.5	1343.0	162.0	53.0	1383.0	162.7	53.5	1423.0	163.4	54.0
1303.5	159.9	52.5	1343.5	160.6	53.0	1383.5	162.0	53.5	1423.5	162.7	54.0
1304.0	161.3	52.5	1344.0	161.3	53.0	1384.0	162.0	53.5	1424.0	162.0	54.0
1304.5	160.6	52.5	1344.5	161.3	53.0	1384.5	162.7	53.5	1424.5	163.4	54.0
1305.0	160.6	52.6	1345.0	161.3	53.0	1385.0	162.0	53.5	1425.0	162.7	54.0
1305.5	160.6	52.6	1345.5	160.6	53.0	1385.5	162.0	53.5	1425.5	162.7	54.0
1306.0	160.6	52.7	1346.0	162.7	53.0	1386.0	162.7	53.5	1426.0	162.7	54.0
1306.5	160.6	52.8	1346.5	161.3	53.0	1386.5	160.6	53.5	1426.5	163.4	54.0
1307.0	160.6	52.8	1347.0	162.0	53.0	1387.0	162.7	53.5	1427.0	163.4	54.0
1307.5	159.9	52.9	1347.5	162.0	53.0	1387.5	162.0	53.5	1427.5	163.4	54.0
1308.0	159.2	53.0	1348.0	162.0	53.0	1388.0	161.3	53.5	1428.0	164.0	54.0
1308.5	161.3	53.0	1348.5	162.0	53.0	1388.5	161.3	53.5	1428.5	162.7	54.0
1309.0	161.3	53.0	1349.0	161.3	53.1	1389.0	162.7	53.5	1429.0	163.4	54.0
1309.5	160.6	53.0	1349.5	162.0	53.1	1389.5	162.7	53.5	1429.5	164.7	54.0
1310.0	161.3	53.0	1350.0	161.3	53.2	1390.0	162.0	53.5	1430.0	163.4	54.0
1310.5	160.6	53.0	1350.5	161.3	53.3	1390.5	162.7	53.5	1430.5	163.4	54.0
1311.0	160.6	53.0	1351.0	162.0	53.3	1391.0	162.7	53.5	1431.0	162.7	54.0
1311.5	160.6	53.0	1351.5	161.3	53.4	1391.5	162.7	53.5	1431.5	163.4	54.0
1312.0	160.6	53.0	1352.0	160.6	53.5	1392.0	161.3	53.5	1432.0	163.4	54.0
1312.5	162.0	53.0	1352.5	160.6	53.5	1392.5	162.7	53.5	1432.5	163.4	54.0
1313.0	161.3	53.0	1353.0	160.6	53.5	1393.0	162.0	53.5	1433.0	162.7	54.0
1313.5	159.2	53.0	1353.5	161.3	53.5	1393.5	161.3	53.5	1433.5	162.7	54.0
1314.0	159.2	53.0	1354.0	162.0	53.5	1394.0	161.3	53.5	1434.0	162.7	54.0
1314.5	160.6	53.0	1354.5	161.3	53.5	1394.5	162.0	53.5	1434.5	164.0	54.0
1315.0	159.2	53.0	1355.0	161.3	53.5	1395.0	162.0	53.5	1435.0	164.0	54.0
1315.5	160.6	53.0	1355.5	160.6	53.5	1395.5	162.7	53.5	1435.5	162.7	54.0
1316.0	161.3	53.0	1356.0	161.3	53.5	1396.0	163.4	53.5	1436.0	163.4	54.0
1316.5	160.6	53.0	1356.5	160.6	53.5	1396.5	162.7	53.5	1436.5	163.4	54.0
1317.0	161.3	53.0	1357.0	161.3	53.5	1397.0	162.0	53.5	1437.0	162.7	54.0
1317.5	160.6	53.0	1357.5	161.3	53.5	1397.5	163.4	53.5	1437.5	164.0	54.0
1318.0	160.6	53.0	1358.0	162.0	53.5	1398.0	162.7	53.5	1438.0	162.7	54.0
1318.5	160.6	53.0	1358.5	160.6	53.5	1398.5	162.0	53.5	1438.5	162.7	54.0
1319.0	160.6	53.0	1359.0	162.0	53.5	1399.0	162.0	53.5	1439.0	163.4	54.0
1319.5	161.3	53.0	1359.5	161.3	53.5	1399.5	162.7	53.5	1439.5	163.4	54.0
1320.0	162.0	53.0	1360.0	161.3	53.5	1400.0	162.7	53.5	1440.0	164.0	54.0
1320.5	161.3	53.0	1360.5	162.0	53.5	1400.5	163.4	53.5	1440.5	163.4	54.0

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1441.0	164.0	54.0	1481.0	164.7	54.0	1521.0	164.0	54.5	1561.0	3702.4	58.3
1441.5	164.0	54.0	1481.5	164.0	54.0	1521.5	164.0	54.5	1561.5	3703.1	58.3
1442.0	163.4	54.0	1482.0	164.0	54.0	1522.0	164.0	54.5	1562.0	3703.8	58.2
1442.5	162.7	54.0	1482.5	164.0	54.0	1522.5	164.0	54.5	1562.5	3703.8	58.1
1443.0	164.0	54.0	1483.0	164.7	54.0	1523.0	164.7	54.5	1563.0	3704.5	58.1
1443.5	163.4	54.0	1483.5	164.0	54.0	1523.5	164.0	54.5	1563.5	3704.5	58.0
1444.0	164.0	54.0	1484.0	164.7	54.0	1524.0	164.7	54.5	1564.0	3705.2	57.9
1444.5	164.0	54.0	1484.5	164.0	54.0	1524.5	164.7	54.5	1564.5	3704.5	57.9
1445.0	162.7	54.0	1485.0	164.0	54.0	1525.0	164.7	54.5	1565.0	3704.5	57.9
1445.5	162.7	54.0	1485.5	164.0	54.0	1525.5	164.7	54.5	1565.5	3704.5	57.9
1446.0	163.4	54.0	1486.0	163.4	54.0	1526.0	164.0	54.5	1566.0	3704.5	57.9
1446.5	163.4	54.0	1486.5	163.4	54.0	1526.5	164.0	54.5	1566.5	3703.8	57.9
1447.0	163.4	54.0	1487.0	164.0	54.0	1527.0	164.0	54.5	1567.0	3704.5	57.9
1447.5	164.0	54.0	1487.5	164.7	54.0	1527.5	164.0	54.5	1567.5	3703.8	57.9
1448.0	163.4	54.0	1488.0	164.0	54.0	1528.0	164.0	54.5	1568.0	3703.8	57.9
1448.5	163.4	54.0	1488.5	164.0	54.0	1528.5	164.0	54.5	1568.5	3702.4	57.9
1449.0	163.4	54.0	1489.0	164.0	54.1	1529.0	164.0	54.6	1569.0	3702.4	57.9
1449.5	164.0	54.0	1489.5	164.7	54.1	1529.5	164.0	54.6	1569.5	3702.4	57.9
1450.0	163.4	54.0	1490.0	164.0	54.2	1530.0	164.0	54.7	1570.0	3702.4	57.9
1450.5	162.7	54.0	1490.5	164.7	54.3	1530.5	164.0	54.8	1570.5	3701.7	57.9
1451.0	163.4	54.0	1491.0	162.7	54.3	1531.0	164.0	54.8	1571.0	3701.7	57.9
1451.5	163.4	54.0	1491.5	164.0	54.4	1531.5	164.0	54.9	1571.5	3701.0	57.9
1452.0	164.0	54.0	1492.0	163.4	54.5	1532.0	164.0	55.0	1572.0	3701.0	57.9
1452.5	163.4	54.0	1492.5	163.4	54.5	1532.5	164.0	55.0	1572.5	3700.3	57.9
1453.0	164.0	54.0	1493.0	163.4	54.5	1533.0	162.7	55.1	1573.0	3701.0	57.9
1453.5	164.0	54.0	1493.5	163.4	54.5	1533.5	162.7	55.1	1573.5	3700.3	57.9
1454.0	164.0	54.0	1494.0	163.4	54.5	1534.0	163.4	55.2	1574.0	3700.3	57.9
1454.5	163.4	54.0	1494.5	164.0	54.5	1534.5	163.4	55.3	1574.5	3699.0	57.9
1455.0	163.4	54.0	1495.0	162.7	54.5	1535.0	163.4	55.3	1575.0	3700.3	57.9
1455.5	163.4	54.0	1495.5	163.4	54.5	1535.5	162.7	55.4	1575.5	3700.3	57.9
1456.0	163.4	54.0	1496.0	163.4	54.5	1536.0	379.2	55.4	1576.0	3699.0	57.9
1456.5	163.4	54.0	1496.5	163.4	54.5	1536.5	652.2	55.6	1576.5	3699.6	57.9
1457.0	163.4	54.0	1497.0	163.4	54.5	1537.0	909.4	55.7	1577.0	3699.0	57.8
1457.5	163.4	54.0	1497.5	163.4	54.5	1537.5	1129.3	55.8	1577.5	3699.0	57.8
1458.0	164.0	54.0	1498.0	164.0	54.5	1538.0	1321.7	55.9	1578.0	3698.3	57.7
1458.5	163.4	54.0	1498.5	163.4	54.5	1538.5	1508.5	56.1	1578.5	3699.0	57.6
1459.0	164.0	54.0	1499.0	163.4	54.5	1539.0	1671.2	56.2	1579.0	3699.0	57.6
1459.5	163.4	54.0	1499.5	163.4	54.5	1539.5	1820.8	56.3	1579.5	3698.3	57.5
1460.0	163.4	54.0	1500.0	163.4	54.5	1540.0	1977.3	56.4	1580.0	3698.3	57.4
1460.5	164.0	54.0	1500.5	164.0	54.5	1540.5	2120.8	56.6	1580.5	3697.6	57.4
1461.0	163.4	54.0	1501.0	163.4	54.5	1541.0	2283.5	56.7	1581.0	3698.3	57.4
1461.5	163.4	54.0	1501.5	163.4	54.5	1541.5	2444.8	56.8	1581.5	3699.0	57.4
1462.0	164.7	54.0	1502.0	164.0	54.5	1542.0	2599.3	56.9	1582.0	3699.0	57.4
1462.5	164.7	54.0	1502.5	163.4	54.5	1542.5	2742.0	57.1	1582.5	3698.3	57.4
1463.0	164.0	54.0	1503.0	163.4	54.5	1543.0	2881.2	57.2	1583.0	3699.0	57.4
1463.5	164.0	54.0	1503.5	163.4	54.5	1543.5	3016.4	57.3	1583.5	3697.6	57.4
1464.0	163.4	54.0	1504.0	163.4	54.5	1544.0	3148.8	57.4	1584.0	3698.3	57.4
1464.5	163.4	54.0	1504.5	163.4	54.5	1544.5	3277.7	57.5	1584.5	3698.3	57.4
1465.0	164.0	54.0	1505.0	164.0	54.5	1545.0	3401.1	57.6	1585.0	3698.3	57.4
1465.5	164.0	54.0	1505.5	163.4	54.5	1545.5	3522.5	57.6	1585.5	3699.0	57.4
1466.0	164.7	54.0	1506.0	163.4	54.5	1546.0	3640.4	57.7	1586.0	3697.6	57.4
1466.5	163.4	54.0	1506.5	163.4	54.5	1546.5	3687.9	57.8	1586.5	3699.0	57.4
1467.0	163.4	54.0	1507.0	163.4	54.5	1547.0	3687.9	57.8	1587.0	3697.6	57.4
1467.5	163.4	54.0	1507.5	163.4	54.5	1547.5	3686.5	57.9	1587.5	3698.3	57.4
1468.0	163.4	54.0	1508.0	164.0	54.5	1548.0	3685.2	57.9	1588.0	3699.0	57.4
1468.5	164.0	54.0	1508.5	163.4	54.5	1548.5	3685.2	58.0	1588.5	3698.3	57.4
1469.0	164.0	54.0	1509.0	164.0	54.5	1549.0	3687.2	58.1	1589.0	3698.3	57.4
1469.5	164.0	54.0	1509.5	163.4	54.5	1549.5	3687.9	58.1	1589.5	3696.9	57.4
1470.0	164.0	54.0	1510.0	163.4	54.5	1550.0	3688.6	58.2	1590.0	3698.3	57.4
1470.5	164.0	54.0	1510.5	164.0	54.5	1550.5	3688.6	58.3	1590.5	3697.6	57.4
1471.0	164.0	54.0	1511.0	163.4	54.5	1551.0	3689.3	58.3	1591.0	3698.3	57.4
1471.5	163.4	54.0	1511.5	163.4	54.5	1551.5	3688.6	58.4	1591.5	3697.6	57.4
1472.0	163.4	54.0	1512.0	164.0	54.5	1552.0	3690.0	58.4	1592.0	3697.6	57.4
1472.5	164.0	54.0	1512.5	163.4	54.5	1552.5	3690.0	58.4	1592.5	3696.9	57.4
1473.0	164.0	54.0	1513.0	164.0	54.5	1553.0	3689.3	58.4	1593.0	3696.2	57.4
1473.5	164.0	54.0	1513.5	163.4	54.5	1553.5	3689.3	58.4	1593.5	3696.2	57.4
1474.0	164.0	54.0	1514.0	163.4	54.5	1554.0	3689.3	58.4	1594.0	3696.9	57.4
1474.5	164.0	54.0	1514.5	163.4	54.5	1554.5	3690.0	58.4	1594.5	3695.5	57.4
1475.0	164.0	54.0	1515.0	164.0	54.5	1555.0	3690.7	58.4	1595.0	3696.2	57.4
1475.5	164.0	54.0	1515.5	163.4	54.5	1555.5	3691.4	58.4	1595.5	3696.9	57.4
1476.0	164.0	54.0	1516.0	163.4	54.5	1556.0	3692.1	58.4	1596.0	3695.5	57.4
1476.5	163.4	54.0	1516.5	163.4	54.5	1556.5	3694.8	58.4	1596.5	3696.2	57.4
1477.0	163.4	54.0	1517.0	164.0	54.5	1557.0	3696.2	58.4	1597.0	3695.5	57.4
1477.5	163.4	54.0	1517.5	163.4	54.5	1557.5	3697.6	58.4	1597.5	3696.2	57.4
1478.0	163.4	54.0	1518.0	164.0	54.5	1558.0	3698.3	58.4	1598.0	3696.2	57.4
1478.5	163.4	54.0	1518.5	164.0	54.5	1558.5	3699.0	58.4	1598.5	3695.5	57.4
1479.0	164.0	54.0	1519.0	163.4	54.5	1559.0	3700.3	58.4	1599.0	3696.2	57.4
1479.5	164.0	54.0	1519.5	163.4	54.5	1559.5	3701.0	58.4	1599.5	3696.2	57.4
1480.0	164.0	54.0	1520.0	164.0	54.5	1560.0	3701.0	58.4	1600.0	3695.5	57.4
1480.5	163.4	54.0	1520.5	164.0	54.5	1560.5	3701.7	58.4	1600.5	3696.9	57.4

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1601.0	3695.5	57.4	1641.0	7588.9	58.9	1681.0	8352.2	58.4	1721.0	8491.5	57.9
1601.5	3696.2	57.4	1641.5	7610.3	58.9	1681.5	8357.0	58.4	1721.5	8491.5	57.9
1602.0	3694.8	57.4	1642.0	7627.6	58.9	1682.0	8363.2	58.4	1722.0	8490.8	57.9
1602.5	3695.5	57.4	1642.5	7646.2	58.9	1682.5	8366.7	58.4	1722.5	8491.5	57.9
1603.0	3695.5	57.4	1643.0	7662.7	58.9	1683.0	8373.6	58.4	1723.0	8490.8	57.9
1603.5	3695.5	57.4	1643.5	7683.4	58.9	1683.5	8377.0	58.4	1723.5	8490.8	57.9
1604.0	3694.8	57.4	1644.0	7698.6	58.9	1684.0	8379.1	58.4	1724.0	8490.8	57.9
1604.5	3695.5	57.4	1644.5	7713.1	58.9	1684.5	8386.7	58.4	1724.5	8490.1	57.9
1605.0	3694.8	57.4	1645.0	7731.0	58.9	1685.0	8390.1	58.4	1725.0	8490.8	57.9
1605.5	3694.8	57.4	1645.5	7747.5	58.9	1685.5	8394.2	58.4	1725.5	8490.8	57.9
1606.0	3694.8	57.4	1646.0	7761.3	58.9	1686.0	8399.1	58.4	1726.0	8490.8	57.9
1606.5	3695.5	57.4	1646.5	7775.8	58.9	1686.5	8401.1	58.4	1726.5	8490.8	57.9
1607.0	3730.7	57.4	1647.0	7791.7	58.9	1687.0	8407.3	58.4	1727.0	8490.8	57.9
1607.5	3699.0	57.4	1647.5	7806.8	58.9	1687.5	8412.2	58.4	1727.5	8490.1	57.9
1608.0	3740.3	57.4	1648.0	7822.0	58.9	1688.0	8414.9	58.4	1728.0	8490.8	57.9
1608.5	3953.4	57.5	1648.5	7833.7	58.9	1688.5	8421.1	58.4	1728.5	8490.8	57.9
1609.0	4100.9	57.6	1649.0	7846.8	58.9	1689.0	8425.3	58.4	1729.0	8490.8	57.9
1609.5	4240.2	57.6	1649.5	7859.2	58.9	1689.5	8427.3	58.4	1729.5	8489.4	57.9
1610.0	4369.1	57.7	1650.0	7875.1	58.9	1690.0	8432.9	58.4	1730.0	8491.5	57.9
1610.5	4495.3	57.8	1650.5	7889.6	58.9	1690.5	8437.7	58.4	1730.5	8491.5	57.9
1611.0	4608.4	57.8	1651.0	7902.0	58.9	1691.0	8439.8	58.4	1731.0	8490.1	57.9
1611.5	4722.8	57.9	1651.5	7913.0	58.9	1691.5	8444.6	58.4	1731.5	8490.1	57.9
1612.0	4830.4	57.9	1652.0	7925.4	58.9	1692.0	8449.4	58.4	1732.0	8490.8	57.9
1612.5	4933.8	58.0	1652.5	7936.4	58.9	1692.5	8450.8	58.4	1732.5	8490.1	57.9
1613.0	5035.1	58.1	1653.0	7947.5	58.9	1693.0	8456.3	58.4	1733.0	8490.1	57.9
1613.5	5128.9	58.1	1653.5	7958.5	58.9	1693.5	8460.4	58.4	1733.5	8489.4	57.9
1614.0	5221.3	58.2	1654.0	7969.5	58.9	1694.0	8463.2	58.4	1734.0	8490.1	57.9
1614.5	5308.2	58.3	1654.5	7981.9	58.9	1694.5	8466.6	58.4	1734.5	8490.1	57.9
1615.0	5393.7	58.3	1655.0	7992.3	58.9	1695.0	8471.5	58.4	1735.0	8490.1	57.9
1615.5	5477.8	58.4	1655.5	8002.6	58.9	1695.5	8474.9	58.4	1735.5	8490.1	57.9
1616.0	5557.1	58.4	1656.0	8010.2	58.9	1696.0	8477.0	58.4	1736.0	8490.1	57.9
1616.5	5634.3	58.5	1656.5	8019.9	58.9	1696.5	8481.8	58.4	1736.5	8490.1	57.9
1617.0	5721.9	58.6	1657.0	8030.9	58.9	1697.0	8486.6	58.4	1737.0	8489.4	57.9
1617.5	5782.5	58.6	1657.5	8040.5	58.9	1697.5	8488.0	58.4	1737.5	8489.4	57.9
1618.0	5851.5	58.7	1658.0	8046.8	58.9	1698.0	8493.5	58.4	1738.0	8489.4	57.9
1618.5	5919.7	58.8	1658.5	8057.1	58.9	1698.5	8485.9	58.4	1738.5	8490.1	57.9
1619.0	5982.5	58.8	1659.0	8067.4	58.9	1699.0	8487.3	58.4	1739.0	8490.1	57.9
1619.5	6045.9	58.9	1659.5	8076.4	58.9	1699.5	8487.3	58.4	1739.5	8490.1	57.9
1620.0	6108.7	58.9	1660.0	8083.3	58.9	1700.0	8486.6	58.4	1740.0	8489.4	57.9
1620.5	6165.2	58.9	1660.5	8092.3	58.9	1700.5	8487.3	58.4	1740.5	8489.4	57.9
1621.0	6224.5	58.9	1661.0	8101.2	58.9	1701.0	8488.7	58.3	1741.0	8490.1	57.9
1621.5	6276.9	58.9	1661.5	8108.1	58.9	1701.5	8488.7	58.3	1741.5	8490.1	57.9
1622.0	6333.4	58.9	1662.0	8117.8	58.9	1702.0	8489.4	58.2	1742.0	8490.1	57.9
1622.5	6384.4	58.9	1662.5	8126.7	58.9	1702.5	8488.7	58.1	1742.5	8489.4	57.9
1623.0	6434.8	58.9	1663.0	8132.2	58.9	1703.0	8488.7	58.1	1743.0	8490.8	57.9
1623.5	6483.7	58.9	1663.5	8141.2	58.9	1703.5	8491.5	58.0	1743.5	8490.1	57.9
1624.0	6532.7	58.9	1664.0	8149.5	58.9	1704.0	8491.5	57.9	1744.0	8490.8	57.9
1624.5	6580.3	58.9	1664.5	8154.3	58.9	1704.5	8490.8	57.9	1744.5	8491.5	57.9
1625.0	6627.1	58.9	1665.0	8163.3	58.8	1705.0	8492.2	57.9	1745.0	8489.4	57.9
1625.5	6668.5	58.9	1665.5	8170.2	58.8	1705.5	8491.5	57.9	1745.5	8489.4	57.9
1626.0	6714.7	58.9	1666.0	8179.1	58.7	1706.0	8490.8	57.9	1746.0	8489.4	57.9
1626.5	6754.7	58.9	1666.5	8185.3	58.6	1706.5	8492.8	57.9	1746.5	8490.8	57.9
1627.0	6796.1	58.9	1667.0	8192.2	58.6	1707.0	8492.2	57.9	1747.0	8490.1	57.9
1627.5	6836.7	58.9	1667.5	8199.1	58.5	1707.5	8492.2	57.9	1747.5	8490.1	57.9
1628.0	6874.7	58.9	1668.0	8205.3	58.4	1708.0	8491.5	57.9	1748.0	8490.8	57.9
1628.5	6911.2	58.9	1668.5	8213.6	58.4	1708.5	8492.2	57.9	1748.5	8490.1	57.9
1629.0	6947.7	58.9	1669.0	8218.4	58.4	1709.0	8492.8	57.9	1749.0	8490.8	57.8
1629.5	6982.2	58.9	1669.5	8226.7	58.4	1709.5	8492.2	57.9	1749.5	8490.8	57.8
1630.0	7015.3	58.9	1670.0	8230.8	58.4	1710.0	8492.2	57.9	1750.0	8491.5	57.7
1630.5	7047.7	58.9	1670.5	8238.4	58.4	1710.5	8492.8	57.9	1750.5	8490.1	57.6
1631.0	7082.9	58.9	1671.0	8243.9	58.4	1711.0	8493.5	57.9	1751.0	8490.8	57.6
1631.5	7118.0	58.9	1671.5	8251.5	58.4	1711.5	8493.5	57.9	1751.5	8490.8	57.5
1632.0	7147.7	58.9	1672.0	8254.3	58.4	1712.0	8493.5	57.9	1752.0	8490.8	57.4
1632.5	7180.1	58.9	1672.5	8261.9	58.4	1712.5	8492.2	57.9	1752.5	8491.5	57.4
1633.0	7207.7	58.9	1673.0	8268.8	58.4	1713.0	8492.8	57.9	1753.0	8490.1	57.4
1633.5	7237.3	58.9	1673.5	8276.3	58.4	1713.5	8493.5	57.9	1753.5	8490.8	57.4
1634.0	7267.0	58.9	1674.0	8278.4	58.4	1714.0	8492.8	57.9	1754.0	8490.8	57.4
1634.5	7293.2	58.9	1674.5	8285.3	58.4	1714.5	8493.5	57.9	1754.5	8490.1	57.4
1635.0	7318.7	58.9	1675.0	8291.5	58.4	1715.0	8492.8	57.9	1755.0	8490.1	57.4
1635.5	7343.5	58.9	1675.5	8298.4	58.4	1715.5	8492.8	57.9	1755.5	8490.8	57.4
1636.0	7369.0	58.9	1676.0	8301.2	58.4	1716.0	8492.2	57.9	1756.0	8490.8	57.4
1636.5	7393.1	58.9	1676.5	8306.0	58.4	1716.5	8492.8	57.9	1756.5	8490.8	57.4
1637.0	7417.3	58.9	1677.0	8313.6	58.4	1717.0	8492.2	57.9	1757.0	8490.8	57.4
1637.5	7441.4	58.9	1677.5	8317.7	58.4	1717.5	8492.2	57.9	1757.5	8490.1	57.4
1638.0	7464.8	58.9	1678.0	8325.3	58.4	1718.0	8492.2	57.9	1758.0	8490.8	57.4
1638.5	7488.3	58.9	1678.5	8327.4	58.4	1718.5	8492.2	57.9	1758.5	8491.5	57.4
1639.0	7509.7	58.9	1679.0	8332.9	58.4	1719.0	8492.2	57.9	1759.0	8490.8	57.4
1639.5	7530.3	58.9	1679.5	8338.4	58.4	1719.5	8492.8	57.9	1759.5	8490.1	57.4
1640.0	7551.0	58.9	1680.0	8342.5	58.4	1720.0	8492.2	57.9	1760.0	8490.8	57.4
1640.5	7571.0	58.9	1680.5	8350.1	58.4	1720.5	8492.2	57.9	1760.5	8490.8	57.4

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1761.0	8490.8	57.4	1801.0	8488.0	57.4	1841.0	8486.6	57.3	1881.0	8374.9	56.9
1761.5	8490.8	57.4	1801.5	8488.7	57.4	1841.5	8487.3	57.3	1881.5	8374.9	56.9
1762.0	8492.2	57.4	1802.0	8488.0	57.4	1842.0	8486.6	57.2	1882.0	8374.3	56.9
1762.5	8490.8	57.4	1802.5	8488.7	57.4	1842.5	8488.7	57.1	1882.5	8374.3	56.9
1763.0	8492.2	57.4	1803.0	8488.7	57.4	1843.0	8488.0	57.1	1883.0	8374.3	56.9
1763.5	8491.5	57.4	1803.5	8488.0	57.4	1843.5	8487.3	57.0	1883.5	8374.3	56.9
1764.0	8491.5	57.4	1804.0	8488.0	57.4	1844.0	8488.0	56.9	1884.0	8374.9	56.9
1764.5	8490.8	57.4	1804.5	8487.3	57.4	1844.5	8486.6	56.9	1884.5	8374.9	56.9
1765.0	8490.8	57.4	1805.0	8488.0	57.4	1845.0	8487.3	56.9	1885.0	8374.3	56.9
1765.5	8491.5	57.4	1805.5	8488.0	57.4	1845.5	8487.3	56.9	1885.5	8374.9	56.9
1766.0	8490.8	57.4	1806.0	8487.3	57.4	1846.0	8486.6	56.9	1886.0	8374.3	56.9
1766.5	8490.8	57.4	1806.5	8488.0	57.4	1846.5	8486.6	56.9	1886.5	8374.9	56.9
1767.0	8490.1	57.4	1807.0	8488.7	57.4	1847.0	8486.6	56.9	1887.0	8374.3	56.9
1767.5	8490.1	57.4	1807.5	8487.3	57.4	1847.5	8486.6	56.9	1887.5	8374.9	56.9
1768.0	8490.8	57.4	1808.0	8488.7	57.4	1848.0	8487.3	56.9	1888.0	8374.3	56.9
1768.5	8490.8	57.4	1808.5	8487.3	57.4	1848.5	8487.3	56.9	1888.5	8374.3	56.9
1769.0	8490.8	57.4	1809.0	8488.0	57.4	1849.0	8486.6	56.9	1889.0	8373.6	56.9
1769.5	8490.8	57.4	1809.5	8487.3	57.4	1849.5	8486.6	56.9	1889.5	8374.3	56.9
1770.0	8490.8	57.4	1810.0	8488.0	57.4	1850.0	8487.3	56.9	1890.0	8374.3	56.9
1770.5	8490.1	57.4	1810.5	8486.6	57.4	1850.5	8487.3	56.9	1890.5	8374.3	56.9
1771.0	8490.8	57.4	1811.0	8487.3	57.4	1851.0	8485.9	56.9	1891.0	8374.9	56.9
1771.5	8490.1	57.4	1811.5	8488.0	57.4	1851.5	8486.6	56.9	1891.5	8374.3	56.9
1772.0	8490.1	57.4	1812.0	8488.0	57.4	1852.0	8486.6	56.9	1892.0	8374.3	56.9
1772.5	8490.1	57.4	1812.5	8488.0	57.4	1852.5	8486.6	56.9	1892.5	8373.6	56.9
1773.0	8490.8	57.4	1813.0	8488.0	57.4	1853.0	8485.9	56.9	1893.0	8372.9	56.9
1773.5	8490.1	57.4	1813.5	8488.0	57.4	1853.5	8485.9	56.9	1893.5	8372.9	56.9
1774.0	8490.1	57.4	1814.0	8487.3	57.4	1854.0	8487.3	56.9	1894.0	8373.6	56.9
1774.5	8490.8	57.4	1814.5	8487.3	57.4	1854.5	8485.9	56.9	1894.5	8373.6	56.9
1775.0	8491.5	57.4	1815.0	8486.6	57.4	1855.0	8485.9	56.9	1895.0	8374.3	56.9
1775.5	8489.4	57.4	1815.5	8487.3	57.4	1855.5	8485.9	56.9	1895.5	8373.6	56.9
1776.0	8489.4	57.4	1816.0	8487.3	57.4	1856.0	8485.9	56.9	1896.0	8374.3	56.9
1776.5	8489.4	57.4	1816.5	8487.3	57.4	1856.5	8485.3	56.9	1896.5	8373.6	56.9
1777.0	8489.4	57.4	1817.0	8486.6	57.4	1857.0	8485.9	56.9	1897.0	8373.6	56.9
1777.5	8489.4	57.4	1817.5	8488.0	57.4	1857.5	8485.3	56.9	1897.5	8374.3	56.9
1778.0	8489.4	57.4	1818.0	8487.3	57.4	1858.0	8485.3	56.9	1898.0	8374.3	56.9
1778.5	8489.4	57.4	1818.5	8488.0	57.4	1858.5	8483.9	56.9	1898.5	8374.3	56.9
1779.0	8489.4	57.4	1819.0	8487.3	57.4	1859.0	8485.3	56.9	1899.0	8372.2	56.9
1779.5	8489.4	57.4	1819.5	8486.6	57.4	1859.5	8485.9	56.9	1899.5	8372.2	56.9
1780.0	8490.1	57.4	1820.0	8486.6	57.4	1860.0	8483.2	56.9	1900.0	8372.9	56.9
1780.5	8489.4	57.4	1820.5	8487.3	57.4	1860.5	8485.3	56.9	1900.5	8372.2	56.9
1781.0	8489.4	57.4	1821.0	8486.6	57.4	1861.0	8483.9	56.9	1901.0	8372.2	56.9
1781.5	8489.4	57.4	1821.5	8487.3	57.4	1861.5	8483.9	56.9	1901.5	8372.2	56.9
1782.0	8489.4	57.4	1822.0	8486.6	57.4	1862.0	8485.9	56.9	1902.0	8372.9	56.9
1782.5	8489.4	57.4	1822.5	8486.6	57.4	1862.5	8485.3	56.9	1902.5	8372.9	56.9
1783.0	8488.7	57.4	1823.0	8486.6	57.4	1863.0	8483.9	56.9	1903.0	8372.9	56.9
1783.5	8490.1	57.4	1823.5	8487.3	57.4	1863.5	8485.3	56.9	1903.5	8373.6	56.9
1784.0	8489.4	57.4	1824.0	8487.3	57.4	1864.0	8483.9	56.9	1904.0	8372.2	56.9
1784.5	8489.4	57.4	1824.5	8487.3	57.4	1864.5	8483.9	56.9	1904.5	8372.9	56.9
1785.0	8489.4	57.4	1825.0	8487.3	57.4	1865.0	8483.9	56.9	1905.0	8372.2	56.9
1785.5	8489.4	57.4	1825.5	8487.3	57.4	1865.5	8485.3	56.9	1905.5	8372.9	56.9
1786.0	8488.7	57.4	1826.0	8487.3	57.4	1866.0	8485.3	56.9	1906.0	8372.2	56.9
1786.5	8490.1	57.4	1826.5	8486.6	57.4	1866.5	8483.9	56.9	1906.5	8372.2	56.9
1787.0	8489.4	57.4	1827.0	8486.6	57.4	1867.0	8485.3	56.9	1907.0	8372.2	56.9
1787.5	8489.4	57.4	1827.5	8487.3	57.4	1867.5	8483.9	56.9	1907.5	8370.1	56.9
1788.0	8489.4	57.4	1828.0	8487.3	57.4	1868.0	8485.3	56.9	1908.0	8370.1	56.9
1788.5	8490.1	57.4	1828.5	8487.3	57.4	1868.5	8483.9	56.9	1908.5	8369.4	56.9
1789.0	8490.1	57.4	1829.0	8486.6	57.4	1869.0	8485.3	56.9	1909.0	8370.1	56.9
1789.5	8488.7	57.4	1829.5	8487.3	57.4	1869.5	8483.2	56.9	1909.5	8371.5	56.9
1790.0	8489.4	57.4	1830.0	8487.3	57.4	1870.0	8485.3	56.9	1910.0	8370.1	56.9
1790.5	8489.4	57.4	1830.5	8486.6	57.4	1870.5	8483.9	56.9	1910.5	8370.1	56.9
1791.0	8489.4	57.4	1831.0	8487.3	57.4	1871.0	8483.2	56.9	1911.0	8370.1	56.9
1791.5	8489.4	57.4	1831.5	8487.3	57.4	1871.5	8483.2	56.9	1911.5	8370.1	56.9
1792.0	8489.4	57.4	1832.0	8487.3	57.4	1872.0	8483.2	56.9	1912.0	8370.1	56.9
1792.5	8489.4	57.4	1832.5	8487.3	57.4	1872.5	8483.9	56.9	1912.5	8370.1	56.9
1793.0	8488.7	57.4	1833.0	8487.3	57.4	1873.0	8483.2	56.9	1913.0	8369.4	56.9
1793.5	8488.7	57.4	1833.5	8487.3	57.4	1873.5	8461.8	56.9	1913.5	8369.4	56.9
1794.0	8488.7	57.4	1834.0	8486.6	57.4	1874.0	8428.0	56.9	1914.0	8369.4	56.9
1794.5	8488.7	57.4	1834.5	8486.6	57.4	1874.5	8403.2	56.9	1914.5	8369.4	56.9
1795.0	8488.0	57.4	1835.0	8486.6	57.4	1875.0	8388.7	56.9	1915.0	8369.4	56.9
1795.5	8488.7	57.4	1835.5	8488.0	57.4	1875.5	8379.8	56.9	1915.5	8369.4	56.9
1796.0	8488.7	57.4	1836.0	8487.3	57.4	1876.0	8379.1	56.9	1916.0	8368.7	56.9
1796.5	8488.7	57.4	1836.5	8486.6	57.4	1876.5	8378.4	56.9	1916.5	8370.1	56.9
1797.0	8488.7	57.4	1837.0	8486.6	57.4	1877.0	8377.0	56.9	1917.0	8369.4	56.9
1797.5	8488.7	57.4	1837.5	8486.6	57.4	1877.5	8377.0	56.9	1917.5	8370.1	56.9
1798.0	8488.0	57.4	1838.0	8487.3	57.4	1878.0	8376.3	56.9	1918.0	8370.1	56.9
1798.5	8488.7	57.4	1838.5	8487.3	57.4	1878.5	8376.3	56.9	1918.5	8369.4	56.9
1799.0	8488.0	57.4	1839.0	8487.3	57.4	1879.0	8376.3	56.9	1919.0	8369.4	56.9
1799.5	8488.7	57.4	1839.5	8485.3	57.4	1879.5	8374.9	56.9	1919.5	8370.1	56.9
1800.0	8488.7	57.4	1840.0	8486.6	57.4	1880.0	8374.9	56.9	1920.0	8369.4	56.9
1800.5	8488.7	57.4	1840.5	8487.3	57.4	1880.5	8376.3	56.9	1920.5	8370.1	56.9

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
1921.0	8372.9	56.9	1961.0	8371.5	56.9	2001.0	8367.4	56.9	2041.0	8368.0	56.9
1921.5	8379.1	56.9	1961.5	8370.1	56.9	2001.5	8368.0	56.9	2041.5	8368.0	56.9
1922.0	8379.1	56.9	1962.0	8369.4	56.9	2002.0	8368.0	56.9	2042.0	8368.0	56.9
1922.5	8379.8	56.9	1962.5	8369.4	56.9	2002.5	8367.4	56.9	2042.5	8368.0	56.9
1923.0	8379.8	56.9	1963.0	8369.4	56.9	2003.0	8447.3	56.9	2043.0	8369.4	56.9
1923.5	8380.5	56.9	1963.5	8369.4	56.9	2003.5	8368.0	56.9	2043.5	8369.4	56.9
1924.0	8381.1	56.9	1964.0	8369.4	56.9	2004.0	8368.7	56.9	2044.0	8368.7	56.9
1924.5	8381.8	56.9	1964.5	8370.1	56.9	2004.5	8368.7	56.9	2044.5	8368.0	56.9
1925.0	8381.8	56.9	1965.0	8370.1	56.9	2005.0	8368.7	56.9	2045.0	8368.0	56.9
1925.5	8381.8	56.9	1965.5	8370.1	56.9	2005.5	8369.4	56.9	2045.5	8368.7	56.9
1926.0	8381.8	56.9	1966.0	8369.4	56.9	2006.0	8368.7	56.9	2046.0	8369.4	56.9
1926.5	8381.8	56.9	1966.5	8368.7	56.9	2006.5	8368.0	56.9	2046.5	8369.4	56.9
1927.0	8381.8	56.9	1967.0	8369.4	56.9	2007.0	8368.7	56.9	2047.0	8368.7	56.9
1927.5	8381.8	56.9	1967.5	8369.4	56.9	2007.5	8368.7	56.9	2047.5	8368.0	56.9
1928.0	8381.8	56.9	1968.0	8368.0	56.9	2008.0	8368.0	56.9	2048.0	8368.7	56.9
1928.5	8381.8	56.9	1968.5	8369.4	56.9	2008.5	8368.0	56.9	2048.5	8368.7	56.9
1929.0	8381.8	56.9	1969.0	8369.4	56.9	2009.0	8368.0	56.9	2049.0	8369.4	56.9
1929.5	8382.5	56.9	1969.5	8369.4	56.9	2009.5	8367.4	56.9	2049.5	8369.4	56.9
1930.0	8381.8	56.9	1970.0	8370.1	56.9	2010.0	8368.0	56.9	2050.0	8369.4	56.9
1930.5	8383.2	56.9	1970.5	8369.4	56.9	2010.5	8368.7	56.9	2050.5	8369.4	56.9
1931.0	8387.4	56.9	1971.0	8369.4	56.9	2011.0	8368.0	56.9	2051.0	8368.7	56.9
1931.5	8387.4	56.9	1971.5	8368.7	56.9	2011.5	8368.0	56.9	2051.5	8370.1	56.9
1932.0	8388.0	56.9	1972.0	8369.4	56.9	2012.0	8368.0	56.9	2052.0	8368.7	56.9
1932.5	8388.7	56.9	1972.5	8368.7	56.9	2012.5	8368.0	56.9	2052.5	8370.1	56.9
1933.0	8388.7	56.9	1973.0	8369.4	56.9	2013.0	8367.4	56.9	2053.0	8368.7	56.9
1933.5	8389.4	56.9	1973.5	8369.4	56.9	2013.5	8367.4	56.9	2053.5	8369.4	56.9
1934.0	8390.1	56.9	1974.0	8370.1	56.9	2014.0	8368.0	56.9	2054.0	8370.1	56.9
1934.5	8389.4	56.9	1974.5	8369.4	56.9	2014.5	8368.0	56.9	2054.5	8369.4	56.9
1935.0	8390.1	56.9	1975.0	8369.4	56.9	2015.0	8368.7	56.9	2055.0	8369.4	56.9
1935.5	8389.4	56.9	1975.5	8371.5	56.9	2015.5	8368.0	56.9	2055.5	8369.4	56.9
1936.0	8389.4	56.9	1976.0	8371.5	56.9	2016.0	8368.0	56.9	2056.0	8368.7	56.9
1936.5	8389.4	56.9	1976.5	8369.4	56.9	2016.5	8368.0	56.9	2056.5	8369.4	56.9
1937.0	8390.1	56.9	1977.0	8368.7	56.9	2017.0	8368.0	56.9	2057.0	8370.1	56.9
1937.5	8390.1	56.9	1977.5	8369.4	56.9	2017.5	8368.0	56.9	2057.5	8369.4	56.9
1938.0	8390.1	56.9	1978.0	8370.1	56.9	2018.0	8368.7	56.9	2058.0	8370.1	56.9
1938.5	8390.1	56.9	1978.5	8370.1	56.9	2018.5	8367.4	56.9	2058.5	8370.1	56.9
1939.0	8389.4	56.9	1979.0	8148.1	56.9	2019.0	8368.0	56.9	2059.0	8370.1	56.9
1939.5	8390.1	56.9	1979.5	8369.4	56.9	2019.5	8368.7	56.9	2059.5	8369.4	56.9
1940.0	8389.4	56.9	1980.0	8369.4	56.9	2020.0	8368.7	56.9	2060.0	8370.1	56.9
1940.5	8389.4	56.9	1980.5	8369.4	56.9	2020.5	8368.7	56.9	2060.5	8369.4	56.9
1941.0	8390.1	56.9	1981.0	8369.4	56.9	2021.0	8367.4	56.9	2061.0	8369.4	56.9
1941.5	8390.1	56.9	1981.5	8369.4	56.9	2021.5	8368.0	56.9	2061.5	8370.1	56.9
1942.0	8390.1	56.9	1982.0	8502.5	56.9	2022.0	8368.0	56.9	2062.0	8369.4	56.9
1942.5	8390.1	56.9	1982.5	8368.7	56.9	2022.5	8368.0	56.9	2062.5	8369.4	56.9
1943.0	8389.4	56.9	1983.0	8368.7	56.9	2023.0	8368.0	56.9	2063.0	8371.5	56.9
1943.5	8389.4	56.9	1983.5	8369.4	56.9	2023.5	8368.0	56.9	2063.5	8370.1	56.9
1944.0	8390.1	56.9	1984.0	8368.0	56.9	2024.0	8368.0	56.9	2064.0	8370.1	56.9
1944.5	8390.1	56.9	1984.5	8369.4	56.9	2024.5	8368.7	56.9	2064.5	8369.4	56.9
1945.0	8390.1	56.9	1985.0	8368.7	56.9	2025.0	8368.0	56.9	2065.0	8369.4	56.9
1945.5	8390.1	56.9	1985.5	8368.7	56.9	2025.5	8368.0	56.9	2065.5	8370.1	56.9
1946.0	8389.4	56.9	1986.0	8368.7	56.9	2026.0	8368.0	56.9	2066.0	8371.5	56.9
1946.5	8390.1	56.9	1986.5	8368.0	56.9	2026.5	8368.7	56.9	2066.5	8370.1	56.9
1947.0	8389.4	56.9	1987.0	8368.0	56.9	2027.0	8368.0	56.9	2067.0	8371.5	56.9
1947.5	8390.1	56.9	1987.5	8367.4	56.9	2027.5	8368.0	56.9	2067.5	8370.1	56.9
1948.0	8390.1	56.9	1988.0	8368.0	56.9	2028.0	8368.7	56.9	2068.0	8370.1	56.9
1948.5	8390.1	56.9	1988.5	8368.0	56.9	2028.5	8368.7	56.9	2068.5	8370.1	56.9
1949.0	8390.1	56.9	1989.0	8368.0	56.9	2029.0	8368.7	56.9	2069.0	8369.4	56.9
1949.5	8390.1	56.9	1989.5	8367.4	56.9	2029.5	8368.0	56.9	2069.5	8370.1	56.9
1950.0	8389.4	56.9	1990.0	8367.4	56.9	2030.0	8368.7	56.9	2070.0	8370.1	56.9
1950.5	8389.4	56.9	1990.5	8342.5	56.9	2030.5	8368.0	56.9	2070.5	8370.1	56.9
1951.0	8389.4	56.9	1991.0	8368.7	56.9	2031.0	8368.0	56.9	2071.0	8369.4	56.9
1951.5	8389.4	56.9	1991.5	8368.0	56.9	2031.5	8368.0	56.9	2071.5	8369.4	56.9
1952.0	8390.1	56.9	1992.0	8368.0	56.9	2032.0	8368.0	56.9	2072.0	8370.1	56.9
1952.5	8393.6	56.9	1992.5	8366.7	56.9	2032.5	8368.0	56.9	2072.5	8370.1	56.9
1953.0	8391.5	56.9	1993.0	8232.9	56.9	2033.0	8368.7	56.9	2073.0	8368.7	56.9
1953.5	8391.5	56.9	1993.5	8369.4	56.9	2033.5	8368.7	56.9	2073.5	8370.1	56.9
1954.0	8391.5	56.9	1994.0	8368.7	56.9	2034.0	8368.0	56.9	2074.0	8371.5	56.9
1954.5	8391.5	56.9	1994.5	8368.7	56.9	2034.5	8368.0	56.9	2074.5	8369.4	56.9
1955.0	8388.7	56.9	1995.0	8368.7	56.9	2035.0	8368.7	56.9	2075.0	8370.1	56.9
1955.5	8386.0	56.9	1995.5	8368.7	56.9	2035.5	8368.0	56.9	2075.5	8370.1	56.9
1956.0	8423.2	56.9	1996.0	8368.7	56.9	2036.0	8368.0	56.9	2076.0	8370.1	56.9
1956.5	8380.5	56.9	1996.5	8368.0	56.9	2036.5	8368.0	56.9	2076.5	8370.1	56.9
1957.0	8379.8	56.9	1997.0	8368.0	56.9	2037.0	8367.4	56.9	2077.0	8370.1	56.9
1957.5	8379.1	56.9	1997.5	8368.0	56.9	2037.5	8368.7	56.9	2077.5	8370.1	56.9
1958.0	8378.4	56.9	1998.0	8368.0	56.9	2038.0	8368.7	56.9	2078.0	8369.4	56.9
1958.5	8376.3	56.9	1998.5	8368.0	56.9	2038.5	8368.0	56.9	2078.5	8371.5	56.9
1959.0	8374.3	56.9	1999.0	8368.0	56.9	2039.0	8367.4	56.9	2079.0	8371.5	56.9
1959.5	8373.6	56.9	1999.5	8368.0	56.9	2039.5	8368.0	56.9	2079.5	8370.1	56.9
1960.0	8372.2	56.9	2000.0	8368.7	56.9	2040.0	8368.0	56.9	2080.0	8371.5	56.9
1960.5	8370.1	56.9	2000.5	8368.0	56.9	2040.5	8368.0	56.9	2080.5	8370.1	56.9

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2081.0	8371.5	56.9	2121.0	8369.4	56.9	2161.0	8747.9	55.8	2201.0	7880.6	50.3
2081.5	8371.5	56.9	2121.5	8368.0	56.9	2161.5	8367.4	55.8	2201.5	8355.6	50.3
2082.0	8371.5	56.9	2122.0	8368.7	56.9	2162.0	8321.2	55.7	2202.0	7655.1	50.2
2082.5	8369.4	56.9	2122.5	8369.4	56.9	2162.5	8368.7	55.6	2202.5	8364.6	50.1
2083.0	8371.5	56.9	2123.0	8368.0	56.9	2163.0	8369.4	55.6	2203.0	8366.7	50.1
2083.5	8372.2	56.9	2123.5	8368.0	56.9	2163.5	8369.4	55.5	2203.5	8367.4	50.0
2084.0	8370.1	56.9	2124.0	8368.7	56.9	2164.0	8386.7	55.4	2204.0	8366.7	50.0
2084.5	8370.1	56.9	2124.5	8368.0	56.9	2164.5	8505.9	55.4	2204.5	8382.5	49.9
2085.0	8371.5	56.9	2125.0	8368.7	56.9	2165.0	8367.4	55.3	2205.0	8362.5	49.8
2085.5	8371.5	56.9	2125.5	8368.7	56.9	2165.5	8368.7	55.3	2205.5	8367.4	49.8
2086.0	8371.5	56.9	2126.0	8351.5	56.9	2166.0	8370.1	55.2	2206.0	8367.4	49.7
2086.5	8369.4	56.9	2126.5	8443.2	56.9	2166.5	8370.1	55.1	2206.5	8568.7	49.6
2087.0	8371.5	56.9	2127.0	8368.0	56.9	2167.0	8369.4	55.1	2207.0	8366.0	49.6
2087.5	8372.2	56.9	2127.5	8368.7	56.9	2167.5	8360.5	55.0	2207.5	8366.0	49.5
2088.0	8372.2	56.9	2128.0	8368.7	56.9	2168.0	8363.2	55.0	2208.0	8367.4	49.5
2088.5	8372.2	56.9	2128.5	8368.0	56.9	2168.5	8366.7	54.9	2208.5	8368.0	49.4
2089.0	8372.2	56.9	2129.0	8367.4	56.9	2169.0	8368.7	54.8	2209.0	8368.0	49.3
2089.5	8370.1	56.9	2129.5	8380.5	56.9	2169.5	8370.1	54.8	2209.5	8368.0	49.3
2090.0	8371.5	56.9	2130.0	8378.4	56.9	2170.0	8370.1	54.7	2210.0	8368.0	49.2
2090.5	8371.5	56.9	2130.5	8366.7	56.9	2170.5	8369.4	54.6	2210.5	8377.7	49.2
2091.0	8372.2	56.9	2131.0	8368.7	56.9	2171.0	8297.7	54.6	2211.0	8376.3	49.1
2091.5	8370.1	56.9	2131.5	8368.0	56.9	2171.5	8363.9	54.5	2211.5	8363.9	49.0
2092.0	8371.5	56.9	2132.0	8368.0	56.9	2172.0	8368.7	54.5	2212.0	8366.0	49.0
2092.5	8369.4	56.9	2132.5	8368.0	56.9	2172.5	8369.4	54.4	2212.5	8368.0	49.0
2093.0	8369.4	56.9	2133.0	8367.4	56.9	2173.0	8368.7	54.3	2213.0	8357.0	49.0
2093.5	8371.5	56.9	2133.5	8366.7	56.9	2173.5	8369.4	54.3	2213.5	8311.5	49.0
2094.0	8371.5	56.9	2134.0	8368.0	56.9	2174.0	8368.7	54.2	2214.0	8412.9	49.0
2094.5	8371.5	56.9	2134.5	8367.4	56.9	2174.5	8296.3	54.1	2214.5	8372.9	49.0
2095.0	8370.1	56.9	2135.0	8367.4	56.9	2175.0	8376.3	54.1	2215.0	8364.6	49.0
2095.5	8371.5	56.9	2135.5	8367.4	56.9	2175.5	8354.3	54.0	2215.5	8366.0	49.0
2096.0	8371.5	56.9	2136.0	8367.4	56.9	2176.0	8367.4	54.0	2216.0	8368.0	49.0
2096.5	8371.5	56.9	2136.5	8367.4	56.9	2176.5	8369.4	53.9	2216.5	8367.4	48.9
2097.0	8371.5	56.9	2137.0	8367.4	56.9	2177.0	8368.7	53.8	2217.0	8357.0	48.8
2097.5	8370.1	56.9	2137.5	8367.4	56.9	2177.5	8371.5	53.8	2217.5	8665.2	48.8
2098.0	8372.2	56.9	2138.0	8368.0	56.9	2178.0	8143.3	53.7	2218.0	8363.2	48.7
2098.5	8370.1	56.9	2138.5	8381.8	56.9	2178.5	8365.3	53.6	2218.5	8363.2	48.7
2099.0	8371.5	56.9	2139.0	8368.0	56.9	2179.0	8367.4	53.6	2219.0	8365.3	48.6
2099.5	8370.1	56.9	2139.5	8358.4	56.9	2179.5	8369.4	53.5	2219.5	8367.4	48.5
2100.0	8370.1	56.9	2140.0	8388.0	56.9	2180.0	8368.7	53.5	2220.0	8330.1	48.5
2100.5	8371.5	56.9	2140.5	8305.3	56.9	2180.5	8368.0	53.4	2220.5	8360.5	48.4
2101.0	8371.5	56.9	2141.0	8366.7	56.9	2181.0	8366.7	53.3	2221.0	8363.9	48.3
2101.5	8371.5	56.9	2141.5	8368.0	56.9	2181.5	8366.7	53.3	2221.5	8429.4	48.3
2102.0	8371.5	56.9	2142.0	8368.0	56.9	2182.0	8363.2	53.2	2222.0	8363.9	48.2
2102.5	8372.2	56.9	2142.5	8367.4	56.9	2182.5	8446.6	53.1	2222.5	8362.5	48.2
2103.0	8371.5	56.9	2143.0	8367.4	56.9	2183.0	8363.9	53.1	2223.0	8361.8	48.1
2103.5	8370.1	56.9	2143.5	8368.0	56.9	2183.5	8364.6	53.0	2223.5	8363.2	48.0
2104.0	8371.5	56.9	2144.0	8368.0	56.9	2184.0	8366.7	53.0	2224.0	8308.1	48.0
2104.5	8370.1	56.9	2144.5	8413.6	56.9	2184.5	8458.4	52.9	2224.5	8443.9	47.9
2105.0	8370.1	56.9	2145.0	8385.3	56.9	2185.0	8386.0	52.8	2225.0	8362.5	47.8
2105.5	8370.1	56.9	2145.5	8366.7	56.9	2185.5	8338.4	52.8	2225.5	8363.2	47.8
2106.0	8371.5	56.9	2146.0	8446.6	56.9	2186.0	8363.9	52.7	2226.0	8408.0	47.7
2106.5	8369.4	56.9	2146.5	8366.7	56.9	2186.5	8363.9	52.6	2226.5	8386.0	47.7
2107.0	8369.4	56.9	2147.0	8367.4	56.9	2187.0	8366.7	52.6	2227.0	8359.8	47.6
2107.5	8366.0	56.9	2147.5	8367.4	56.9	2187.5	8366.7	52.5	2227.5	8363.9	47.5
2108.0	8368.0	56.9	2148.0	8368.7	56.9	2188.0	8366.0	52.5	2228.0	8363.2	47.5
2108.5	8369.4	56.9	2148.5	8368.0	56.9	2188.5	8364.6	52.4	2228.5	8359.8	47.3
2109.0	8370.1	56.9	2149.0	8368.0	56.8	2189.0	8219.8	52.3	2229.0	8335.6	47.2
2109.5	8371.5	56.9	2149.5	8368.0	56.8	2189.5	8710.0	52.3	2229.5	8361.8	47.1
2110.0	8369.4	56.9	2150.0	8354.9	56.7	2190.0	8363.2	52.2	2230.0	8362.5	47.0
2110.5	8369.4	56.9	2150.5	7721.3	56.6	2190.5	8364.6	52.1	2230.5	8363.9	46.8
2111.0	8369.4	56.9	2151.0	8365.3	56.6	2191.0	8366.0	52.1	2231.0	8365.3	46.7
2111.5	8371.5	56.9	2151.5	8368.0	56.5	2191.5	8365.3	52.0	2231.5	8400.5	46.6
2112.0	8370.1	56.9	2152.0	8367.4	56.4	2192.0	8308.8	52.0	2232.0	8363.2	46.5
2112.5	8369.4	56.9	2152.5	8370.1	56.4	2192.5	8364.6	51.8	2232.5	8363.2	46.4
2113.0	8369.4	56.9	2153.0	8364.6	56.4	2193.0	8364.6	51.7	2233.0	8355.6	46.3
2113.5	8368.7	56.9	2153.5	8370.1	56.4	2193.5	8366.0	51.6	2233.5	8315.6	46.3
2114.0	8368.7	56.9	2154.0	8359.1	56.4	2194.0	8366.0	51.5	2234.0	8363.2	46.2
2114.5	8369.4	56.9	2154.5	8367.4	56.4	2194.5	8366.7	51.3	2234.5	8363.2	46.2
2115.0	8370.1	56.9	2155.0	8368.0	56.4	2195.0	8406.0	51.2	2235.0	8363.9	46.1
2115.5	8369.4	56.9	2155.5	8368.7	56.4	2195.5	8305.3	51.1	2235.5	8356.3	46.0
2116.0	8370.1	56.9	2156.0	8423.9	56.4	2196.0	8364.6	51.0	2236.0	8451.5	46.0
2116.5	8370.1	56.9	2156.5	8226.0	56.4	2196.5	8367.4	50.9	2236.5	8362.5	45.9
2117.0	8370.1	56.9	2157.0	8379.1	56.3	2197.0	8366.0	50.8	2237.0	8364.6	45.8
2117.5	8368.0	56.9	2157.5	8368.7	56.3	2197.5	8366.7	50.8	2237.5	8352.2	45.8
2118.0	8368.0	56.9	2158.0	8368.7	56.2	2198.0	8379.1	50.7	2238.0	8365.3	45.7
2118.5	8372.2	56.9	2158.5	8369.4	56.1	2198.5	8377.7	50.6	2238.5	8364.6	45.7
2119.0	8452.9	56.9	2159.0	8368.7	56.1	2199.0	8503.2	50.6	2239.0	8363.9	45.6
2119.5	8364.6	56.9	2159.5	8368.0	56.0	2199.5	8364.6	50.5	2239.5	8364.6	45.5
2120.0	8368.0	56.9	2160.0	8369.4	55.9	2200.0	8366.7	50.5	2240.0	8421.8	45.5
2120.5	8368.0	56.9	2160.5	8351.5	55.9	2200.5	8366.7	50.4	2240.5	8383.2	45.3

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2241.0	8397.0	45.2	2281.0	8352.9	40.0	2321.0	8359.8	36.4	2361.0	8348.7	32.6
2241.5	8363.9	45.1	2281.5	8364.6	40.0	2321.5	8361.2	36.3	2361.5	8348.7	32.6
2242.0	8363.9	45.0	2282.0	8361.8	40.0	2322.0	8259.8	36.3	2362.0	8349.4	32.6
2242.5	8339.1	44.8	2282.5	8362.5	40.0	2322.5	8377.0	36.2	2362.5	8350.8	32.6
2243.0	8365.3	44.7	2283.0	8421.8	40.0	2323.0	8361.8	36.2	2363.0	8352.2	32.6
2243.5	8364.6	44.6	2283.5	8392.9	40.0	2323.5	8361.2	36.1	2363.5	8353.6	32.6
2244.0	8364.6	44.5	2284.0	8362.5	40.0	2324.0	8361.2	36.0	2364.0	8353.6	32.6
2244.5	8404.6	44.4	2284.5	8361.8	39.9	2324.5	8391.5	36.0	2364.5	8353.6	32.5
2245.0	8388.7	44.3	2285.0	8362.5	39.9	2325.0	8531.5	35.9	2365.0	8353.6	32.5
2245.5	8363.9	44.3	2285.5	8377.7	39.8	2325.5	8359.1	35.8	2365.5	8355.6	32.4
2246.0	8364.6	44.2	2286.0	8360.5	39.7	2326.0	8359.1	35.8	2366.0	8357.0	32.3
2246.5	8365.3	44.2	2286.5	8362.5	39.7	2326.5	8360.5	35.7	2366.5	8356.3	32.3
2247.0	8381.8	44.1	2287.0	8362.5	39.6	2327.0	8359.8	35.7	2367.0	8357.0	32.2
2247.5	8374.3	44.0	2287.5	8363.2	39.6	2327.5	8353.6	35.6	2367.5	8357.0	32.1
2248.0	8363.2	44.0	2288.0	8363.9	39.5	2328.0	8383.2	35.5	2368.0	8357.7	32.1
2248.5	8364.6	43.9	2288.5	8363.9	39.4	2328.5	8359.1	35.5	2368.5	8357.7	32.1
2249.0	8366.0	43.8	2289.0	8346.7	39.4	2329.0	8357.7	35.4	2369.0	8358.4	32.1
2249.5	8356.3	43.8	2289.5	8336.3	39.3	2329.5	8357.7	35.4	2369.5	8358.4	32.1
2250.0	8299.1	43.7	2290.0	8362.5	39.2	2330.0	8362.5	35.3	2370.0	8358.4	32.1
2250.5	8363.2	43.7	2290.5	8362.5	39.2	2330.5	8306.7	35.2	2370.5	8358.4	32.1
2251.0	8362.5	43.6	2291.0	8363.2	39.1	2331.0	8357.0	35.2	2371.0	8358.4	32.1
2251.5	8365.3	43.5	2291.5	8353.6	39.1	2331.5	8356.3	35.1	2371.5	8358.4	32.1
2252.0	8364.6	43.5	2292.0	8338.4	39.0	2332.0	8319.8	35.0	2372.0	8359.1	32.1
2252.5	8357.0	43.4	2292.5	8363.9	38.9	2332.5	8390.8	35.0	2372.5	8360.5	32.1
2253.0	8382.5	43.4	2293.0	8363.2	38.9	2333.0	8357.7	34.9	2373.0	8359.1	32.1
2253.5	8362.5	43.3	2293.5	8363.9	38.8	2333.5	8357.0	34.9	2373.5	8360.5	32.1
2254.0	8363.9	43.2	2294.0	8394.9	38.7	2334.0	8357.0	34.8	2374.0	8360.5	32.1
2254.5	8333.6	43.2	2294.5	8632.1	38.7	2334.5	8357.0	34.7	2374.5	8359.1	32.1
2255.0	8646.6	43.1	2295.0	8363.2	38.6	2335.0	8394.9	34.7	2375.0	8360.5	32.1
2255.5	8361.2	43.0	2295.5	8362.5	38.6	2335.5	8276.3	34.6	2375.5	8361.8	32.1
2256.0	8363.2	43.0	2296.0	8447.3	38.5	2336.0	8356.3	34.6	2376.0	8361.8	32.1
2256.5	8364.6	42.9	2296.5	8326.7	38.5	2336.5	8357.0	34.5	2376.5	8361.8	32.1
2257.0	8334.3	42.7	2297.0	8361.8	38.5	2337.0	8357.7	34.4	2377.0	8361.8	32.1
2257.5	8346.7	42.6	2297.5	8363.2	38.5	2337.5	8357.0	34.4	2377.5	8362.5	32.1
2258.0	8361.8	42.5	2298.0	8361.8	38.5	2338.0	8379.8	34.3	2378.0	8362.5	32.1
2258.5	8363.2	42.4	2298.5	8389.4	38.5	2338.5	8380.5	34.2	2378.5	8363.2	32.1
2259.0	8364.6	42.2	2299.0	8250.8	38.5	2339.0	8357.0	34.2	2379.0	8362.5	32.1
2259.5	8332.2	42.1	2299.5	8362.5	38.5	2339.5	8357.0	34.1	2379.5	8364.6	32.1
2260.0	8075.7	42.0	2300.0	8362.5	38.5	2340.0	8357.0	34.1	2380.0	8360.5	32.1
2260.5	8363.2	41.9	2300.5	8363.2	38.4	2340.5	8334.3	34.0	2380.5	8337.7	32.1
2261.0	8362.5	41.9	2301.0	8340.5	38.4	2341.0	8370.1	33.9	2381.0	8337.7	32.1
2261.5	8345.3	41.8	2301.5	8491.5	38.3	2341.5	8346.0	33.9	2381.5	8337.0	32.1
2262.0	8334.3	41.7	2302.0	8361.8	38.3	2342.0	8357.7	33.8	2382.0	8337.0	32.1
2262.5	8363.2	41.7	2302.5	8363.2	38.2	2342.5	8357.7	33.7	2382.5	8337.7	32.1
2263.0	8362.5	41.6	2303.0	8337.7	38.1	2343.0	8357.7	33.7	2383.0	8338.4	32.1
2263.5	8363.2	41.5	2303.5	8568.0	38.1	2343.5	8357.7	33.6	2383.5	8340.5	32.1
2264.0	8346.0	41.5	2304.0	8361.8	38.0	2344.0	8417.7	33.6	2384.0	8341.2	32.1
2264.5	8144.0	41.4	2304.5	8362.5	37.9	2344.5	8382.5	33.6	2384.5	8343.2	32.1
2265.0	8361.2	41.4	2305.0	8276.3	37.9	2345.0	8370.1	33.6	2385.0	8343.9	32.1
2265.5	8361.8	41.3	2305.5	8373.6	37.8	2345.5	8357.0	33.6	2385.5	8342.5	32.1
2266.0	8363.9	41.2	2306.0	8450.8	37.8	2346.0	8348.7	33.6	2386.0	8345.3	32.1
2266.5	8423.2	41.2	2306.5	8361.8	37.7	2346.5	8345.3	33.6	2386.5	8345.3	32.1
2267.0	8360.5	41.1	2307.0	8362.5	37.6	2347.0	8344.6	33.6	2387.0	8344.6	32.1
2267.5	8322.5	41.0	2307.5	8363.9	37.6	2347.5	8344.6	33.6	2387.5	8346.0	32.1
2268.0	8361.2	41.0	2308.0	8168.1	37.5	2348.0	8344.6	33.6	2388.0	8346.0	32.1
2268.5	8361.2	41.0	2308.5	8363.2	37.5	2348.5	8343.9	33.5	2388.5	8347.4	32.1
2269.0	8406.7	41.0	2309.0	8363.2	37.4	2349.0	8343.2	33.4	2389.0	8346.0	32.1
2269.5	7943.3	41.0	2309.5	8363.2	37.3	2349.5	8343.9	33.4	2389.5	8346.0	32.1
2270.0	8361.8	41.0	2310.0	8363.2	37.3	2350.0	8343.9	33.3	2390.0	8347.4	32.1
2270.5	8360.5	41.0	2310.5	8320.5	37.2	2350.5	8343.9	33.3	2390.5	8347.4	32.1
2271.0	8361.2	41.0	2311.0	8363.2	37.1	2351.0	8345.3	33.2	2391.0	8348.1	32.1
2271.5	8361.8	41.0	2311.5	8363.2	37.1	2351.5	8344.6	33.1	2391.5	8348.1	32.1
2272.0	8363.2	41.0	2312.0	8424.6	37.0	2352.0	8344.6	33.1	2392.0	8347.4	32.1
2272.5	8363.9	40.9	2312.5	8383.2	37.0	2352.5	8344.6	33.0	2392.5	8348.1	32.1
2273.0	8363.2	40.9	2313.0	8363.2	36.9	2353.0	8337.7	32.9	2393.0	8348.7	32.1
2273.5	8363.2	40.8	2313.5	8363.2	36.8	2353.5	8344.6	32.9	2393.5	8348.7	32.1
2274.0	8364.6	40.7	2314.0	8363.2	36.8	2354.0	8337.0	32.8	2394.0	8349.4	32.1
2274.5	8363.9	40.7	2314.5	8363.9	36.7	2354.5	8341.2	32.8	2394.5	8350.1	32.1
2275.0	8364.6	40.6	2315.0	8368.7	36.7	2355.0	8342.5	32.7	2395.0	8350.1	32.1
2275.5	8363.9	40.5	2315.5	8341.8	36.6	2355.5	8343.2	32.6	2395.5	8350.1	32.1
2276.0	8363.2	40.5	2316.0	8362.5	36.5	2356.0	8345.3	32.6	2396.0	8350.1	32.1
2276.5	8363.2	40.4	2316.5	8362.5	36.5	2356.5	8345.3	32.6	2396.5	8352.2	32.1
2277.0	8339.1	40.4	2317.0	8311.5	36.5	2357.0	8345.3	32.6	2397.0	8351.5	32.1
2277.5	8374.3	40.3	2317.5	8333.6	36.5	2357.5	8346.0	32.6	2397.5	8351.5	32.1
2278.0	7822.7	40.2	2318.0	8359.1	36.5	2358.0	8346.7	32.6	2398.0	8353.6	32.1
2278.5	8361.2	40.2	2318.5	8361.2	36.5	2358.5	8346.7	32.6	2398.5	8352.2	32.1
2279.0	8361.2	40.1	2319.0	8341.2	36.5	2359.0	8346.7	32.6	2399.0	8354.3	32.1
2279.5	8362.5	40.0	2319.5	8366.7	36.5	2359.5	8348.1	32.6	2399.5	8353.6	32.1
2280.0	8362.5	40.0	2320.0	8357.7	36.5	2360.0	8348.1	32.6	2400.0	8354.3	32.1
2280.5	8366.0	40.0	2320.5	8359.8	36.5	2360.5	8348.1	32.6	2400.5	8354.3	32.1

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2401.0	8355.6	32.1	2441.0	8366.0	31.6	2481.0	8371.5	31.6	2521.0	8375.6	31.6
2401.5	8354.3	32.1	2441.5	8368.0	31.6	2481.5	8371.5	31.6	2521.5	8375.6	31.6
2402.0	8355.6	32.1	2442.0	8366.7	31.6	2482.0	8372.2	31.6	2522.0	8375.6	31.6
2402.5	8355.6	32.1	2442.5	8368.0	31.6	2482.5	8371.5	31.6	2522.5	8375.6	31.6
2403.0	8354.9	32.1	2443.0	8369.4	31.6	2483.0	8372.2	31.6	2523.0	8375.6	31.6
2403.5	8356.3	32.1	2443.5	8368.0	31.6	2483.5	8371.5	31.6	2523.5	8375.6	31.6
2404.0	8354.9	32.1	2444.0	8369.4	31.6	2484.0	8371.5	31.6	2524.0	8374.9	31.6
2404.5	8356.3	32.1	2444.5	8368.7	31.6	2484.5	8371.5	31.6	2524.5	8374.9	31.6
2405.0	8355.6	32.1	2445.0	8369.4	31.6	2485.0	8371.5	31.6	2525.0	8375.6	31.6
2405.5	8356.3	32.1	2445.5	8369.4	31.6	2485.5	8371.5	31.6	2525.5	8374.9	31.6
2406.0	8357.0	32.1	2446.0	8369.4	31.6	2486.0	8371.5	31.6	2526.0	8375.6	31.6
2406.5	8357.0	32.1	2446.5	8369.4	31.6	2486.5	8371.5	31.6	2526.5	8376.3	31.6
2407.0	8357.0	32.1	2447.0	8370.1	31.6	2487.0	8372.2	31.6	2527.0	8375.6	31.6
2407.5	8357.7	32.1	2447.5	8370.1	31.6	2487.5	8371.5	31.6	2527.5	8375.6	31.6
2408.0	8357.0	32.1	2448.0	8370.1	31.6	2488.0	8371.5	31.6	2528.0	8375.6	31.6
2408.5	8357.7	32.1	2448.5	8369.4	31.6	2488.5	8371.5	31.6	2528.5	8375.6	31.6
2409.0	8357.7	32.1	2449.0	8369.4	31.6	2489.0	8371.5	31.6	2529.0	8358.4	31.6
2409.5	8357.7	32.1	2449.5	8370.1	31.6	2489.5	8371.5	31.6	2529.5	8359.1	31.6
2410.0	8357.0	32.1	2450.0	8370.1	31.6	2490.0	8371.5	31.6	2530.0	8359.8	31.6
2410.5	8357.7	32.1	2450.5	8370.1	31.6	2490.5	8371.5	31.6	2530.5	8370.1	31.6
2411.0	8358.4	32.1	2451.0	8370.1	31.6	2491.0	8371.5	31.6	2531.0	8496.3	31.6
2411.5	8358.4	32.1	2451.5	8370.1	31.6	2491.5	8372.2	31.6	2531.5	8501.1	31.6
2412.0	8358.4	32.1	2452.0	8370.1	31.6	2492.0	8372.2	31.6	2532.0	8501.1	31.6
2412.5	8359.1	32.1	2452.5	8370.1	31.6	2492.5	8372.2	31.6	2532.5	8506.6	31.6
2413.0	8358.4	32.1	2453.0	8370.1	31.6	2493.0	8371.5	31.6	2533.0	8522.5	31.6
2413.5	8358.4	32.1	2453.5	8370.1	31.6	2493.5	8371.5	31.6	2533.5	8532.8	31.6
2414.0	8359.1	32.1	2454.0	8370.1	31.6	2494.0	8372.2	31.6	2534.0	8532.8	31.6
2414.5	8359.1	32.1	2454.5	8370.1	31.6	2494.5	8371.5	31.6	2534.5	8536.3	31.6
2415.0	8358.4	32.1	2455.0	8370.8	31.6	2495.0	8371.5	31.6	2535.0	8544.6	31.6
2415.5	8359.1	32.1	2455.5	8370.8	31.6	2495.5	8372.2	31.6	2535.5	8546.6	31.6
2416.0	8359.1	32.1	2456.0	8370.8	31.6	2496.0	8371.5	31.6	2536.0	8556.3	31.6
2416.5	8359.1	32.1	2456.5	8370.8	31.6	2496.5	8372.2	31.6	2536.5	8548.7	31.6
2417.0	8359.1	32.1	2457.0	8370.1	31.6	2497.0	8372.2	31.6	2537.0	8544.6	31.6
2417.5	8359.1	32.1	2457.5	8370.1	31.6	2497.5	8372.2	31.6	2537.5	8549.4	31.6
2418.0	8359.1	32.1	2458.0	8370.8	31.6	2498.0	8372.2	31.6	2538.0	8545.2	31.6
2418.5	8360.5	32.1	2458.5	8370.8	31.6	2498.5	8372.2	31.6	2538.5	8550.1	31.6
2419.0	8359.1	32.1	2459.0	8370.8	31.6	2499.0	8372.2	31.6	2539.0	8545.2	31.6
2419.5	8360.5	32.1	2459.5	8370.8	31.6	2499.5	8372.2	31.6	2539.5	8548.0	31.6
2420.0	8360.5	32.1	2460.0	8370.8	31.6	2500.0	8372.2	31.6	2540.0	8551.4	31.6
2420.5	8360.5	32.1	2460.5	8370.8	31.6	2500.5	8372.2	31.6	2540.5	8551.4	31.6
2421.0	8360.5	32.1	2461.0	8370.8	31.6	2501.0	8371.5	31.6	2541.0	8554.2	31.6
2421.5	8361.2	32.1	2461.5	8370.8	31.6	2501.5	8372.2	31.6	2541.5	8555.6	31.6
2422.0	8361.2	32.1	2462.0	8371.5	31.6	2502.0	8372.2	31.6	2542.0	8572.1	31.6
2422.5	8361.2	32.1	2462.5	8370.8	31.6	2502.5	8371.5	31.6	2542.5	8583.9	31.6
2423.0	8360.5	32.1	2463.0	8371.5	31.6	2503.0	8372.2	31.6	2543.0	8594.9	31.6
2423.5	8360.5	32.1	2463.5	8370.8	31.6	2503.5	8372.2	31.6	2543.5	8607.3	31.6
2424.0	8361.8	32.1	2464.0	8370.8	31.6	2504.0	8372.9	31.6	2544.0	8618.3	31.6
2424.5	8361.2	32.1	2464.5	8371.5	31.6	2504.5	8372.2	31.6	2544.5	8621.8	31.6
2425.0	8361.8	32.1	2465.0	8370.8	31.6	2505.0	8372.2	31.6	2545.0	8629.4	31.6
2425.5	8362.5	32.1	2465.5	8370.8	31.6	2505.5	8372.2	31.6	2545.5	8632.8	31.6
2426.0	8361.2	32.1	2466.0	8371.5	31.6	2506.0	8372.2	31.6	2546.0	8637.6	31.6
2426.5	8362.5	32.1	2466.5	8371.5	31.6	2506.5	8372.2	31.6	2546.5	8639.7	31.6
2427.0	8361.8	32.1	2467.0	8371.5	31.6	2507.0	8372.2	31.6	2547.0	8642.5	31.6
2427.5	8363.2	32.1	2467.5	8370.8	31.6	2507.5	8372.2	31.6	2547.5	8653.5	31.6
2428.0	8362.5	32.1	2468.0	8371.5	31.6	2508.0	8371.5	31.6	2548.0	8655.6	31.6
2428.5	8363.2	32.0	2468.5	8370.8	31.6	2508.5	8372.2	31.6	2548.5	8654.2	31.6
2429.0	8362.5	32.0	2469.0	8371.5	31.6	2509.0	8372.2	31.6	2549.0	8655.6	31.6
2429.5	8365.3	31.9	2469.5	8371.5	31.6	2509.5	8372.2	31.6	2549.5	8654.2	31.6
2430.0	8363.9	31.8	2470.0	8371.5	31.6	2510.0	8372.9	31.6	2550.0	8659.0	31.6
2430.5	8364.6	31.8	2470.5	8371.5	31.6	2510.5	8372.2	31.6	2550.5	8658.3	31.6
2431.0	8363.9	31.7	2471.0	8371.5	31.6	2511.0	8372.9	31.6	2551.0	8659.0	31.6
2431.5	8363.9	31.7	2471.5	8371.5	31.6	2511.5	8372.2	31.6	2551.5	8659.7	31.6
2432.0	8364.6	31.6	2472.0	8371.5	31.6	2512.0	8372.2	31.6	2552.0	8659.0	31.6
2432.5	8364.6	31.6	2472.5	8371.5	31.6	2512.5	8372.2	31.6	2552.5	8665.2	31.6
2433.0	8364.6	31.6	2473.0	8371.5	31.6	2513.0	8372.9	31.6	2553.0	8665.9	31.6
2433.5	8363.9	31.6	2473.5	8371.5	31.6	2513.5	8372.2	31.6	2553.5	8666.6	31.6
2434.0	8365.3	31.6	2474.0	8371.5	31.6	2514.0	8372.2	31.6	2554.0	8655.6	31.6
2434.5	8366.0	31.6	2474.5	8371.5	31.6	2514.5	8372.2	31.6	2554.5	8649.4	31.6
2435.0	8366.7	31.6	2475.0	8371.5	31.6	2515.0	8372.2	31.6	2555.0	8645.2	31.6
2435.5	8365.3	31.6	2475.5	8371.5	31.6	2515.5	8371.5	31.6	2555.5	9806.3	31.6
2436.0	8366.0	31.6	2476.0	8372.2	31.6	2516.0	8372.9	31.6	2556.0	10037.9	31.6
2436.5	8366.0	31.6	2476.5	8371.5	31.6	2516.5	8372.2	31.6	2556.5	10045.5	31.6
2437.0	8365.3	31.6	2477.0	8371.5	31.6	2517.0	8372.9	31.6	2557.0	9261.6	31.6
2437.5	8368.0	31.6	2477.5	8371.5	31.6	2517.5	8372.2	31.6	2557.5	9611.2	31.6
2438.0	8366.7	31.6	2478.0	8371.5	31.6	2518.0	8372.2	31.6	2558.0	9315.4	31.6
2438.5	8368.0	31.6	2478.5	8371.5	31.6	2518.5	8199.8	31.6	2558.5	9495.3	31.6
2439.0	8368.7	31.6	2479.0	8371.5	31.6	2519.0	8409.4	31.6	2559.0	9757.3	31.6
2439.5	8368.0	31.6	2479.5	8371.5	31.6	2519.5	8381.8	31.6	2559.5	9803.5	31.6
2440.0	8368.7	31.6	2480.0	8372.2	31.6	2520.0	8374.9	31.6	2560.0	9586.3	31.6
2440.5	8366.7	31.6	2480.5	8371.5	31.6	2520.5	8373.6	31.6	2560.5	9467.1	31.6

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2561.0	9260.9	31.6	2601.0	8619.7	31.6	2641.0	7424.2	29.5	2681.0	6053.5	25.5
2561.5	9124.4	31.6	2601.5	8619.0	31.6	2641.5	7426.2	29.4	2681.5	6052.8	25.5
2562.0	9076.1	31.6	2602.0	8619.7	31.6	2642.0	7423.5	29.4	2682.0	6052.1	25.4
2562.5	9069.2	31.6	2602.5	8619.0	31.6	2642.5	7349.7	29.3	2682.5	6052.1	25.4
2563.0	9067.2	31.6	2603.0	8619.7	31.6	2643.0	7288.3	29.2	2683.0	6050.7	25.3
2563.5	9073.4	31.6	2603.5	8619.0	31.6	2643.5	7325.6	29.2	2683.5	6052.1	25.2
2564.0	9076.8	31.6	2604.0	8619.0	31.6	2644.0	7320.7	29.1	2684.0	6052.1	25.2
2564.5	9556.7	31.6	2604.5	8619.7	31.6	2644.5	7318.7	29.1	2684.5	6050.7	25.2
2565.0	9679.4	31.6	2605.0	8634.9	31.6	2645.0	7239.4	29.0	2685.0	6050.0	25.2
2565.5	9235.4	31.6	2605.5	8640.4	31.6	2645.5	7172.5	28.9	2685.5	6050.7	25.2
2566.0	9649.8	31.6	2606.0	8642.5	31.6	2646.0	7209.7	28.9	2686.0	6050.7	25.2
2566.5	9185.8	31.6	2606.5	8641.1	31.6	2646.5	7209.7	28.8	2686.5	6050.0	25.2
2567.0	9336.1	31.6	2607.0	8641.1	31.6	2647.0	7217.3	28.7	2687.0	6050.0	25.2
2567.5	9481.5	31.6	2607.5	8642.5	31.6	2647.5	7112.5	28.7	2687.5	6050.0	25.2
2568.0	9049.2	31.6	2608.0	8642.5	31.6	2648.0	7118.7	28.6	2688.0	6050.7	25.2
2568.5	9503.6	31.6	2608.5	8641.1	31.6	2648.5	7111.8	28.6	2688.5	6050.7	25.1
2569.0	9043.7	31.6	2609.0	8641.1	31.6	2649.0	7108.4	28.5	2689.0	6050.7	25.0
2569.5	9160.9	31.6	2609.5	8640.4	31.6	2649.5	7108.4	28.4	2689.5	6050.0	25.0
2570.0	9089.9	31.6	2610.0	8640.4	31.6	2650.0	7106.3	28.4	2690.0	6050.7	24.9
2570.5	9276.1	31.6	2610.5	8640.4	31.6	2650.5	7006.3	28.3	2690.5	6050.0	24.9
2571.0	9421.6	31.6	2611.0	8640.4	31.6	2651.0	7003.6	28.3	2691.0	6050.0	24.8
2571.5	9141.6	31.6	2611.5	8639.7	31.6	2651.5	7005.7	28.2	2691.5	6049.4	24.7
2572.0	9345.0	31.6	2612.0	8640.4	31.6	2652.0	7005.0	28.1	2692.0	6050.7	24.7
2572.5	9644.3	31.6	2612.5	8639.0	31.6	2652.5	6934.6	28.1	2692.5	6051.4	24.7
2573.0	9328.5	31.6	2613.0	8531.5	31.6	2653.0	6880.2	28.0	2693.0	6049.4	24.7
2573.5	9155.4	31.6	2613.5	8543.2	31.6	2653.5	6905.0	27.9	2693.5	6049.4	24.7
2574.0	9149.2	31.6	2614.0	8549.4	31.6	2654.0	6901.5	27.9	2694.0	6050.7	24.7
2574.5	9283.0	31.6	2614.5	8551.4	31.6	2654.5	6900.2	27.8	2694.5	6049.4	24.7
2575.0	9089.9	31.6	2615.0	8551.4	31.6	2655.0	6824.3	27.8	2695.0	6050.7	24.7
2575.5	9407.1	31.6	2615.5	8559.7	31.6	2655.5	6751.2	27.7	2695.5	6049.4	24.7
2576.0	9378.1	31.6	2616.0	8560.4	31.6	2656.0	6796.7	27.6	2696.0	6049.4	24.7
2576.5	9572.6	31.6	2616.5	8463.9	31.6	2656.5	6798.1	27.6	2696.5	6049.4	24.7
2577.0	9832.5	31.6	2617.0	8390.8	31.6	2657.0	6797.4	27.6	2697.0	6049.4	24.7
2577.5	9167.1	31.6	2617.5	8464.6	31.6	2657.5	6695.4	27.6	2697.5	6049.4	24.7
2578.0	8938.9	31.6	2618.0	8462.5	31.6	2658.0	6691.9	27.6	2698.0	6049.4	24.7
2578.5	8865.8	31.6	2618.5	8461.8	31.6	2658.5	6685.1	27.6	2698.5	6049.4	24.7
2579.0	8841.0	31.6	2619.0	8461.1	31.6	2659.0	6683.0	27.6	2699.0	6049.4	24.7
2579.5	8829.3	31.6	2619.5	8386.7	31.6	2659.5	6608.5	27.6	2699.5	6049.4	24.7
2580.0	8825.9	31.6	2620.0	8294.3	31.6	2660.0	6540.3	27.6	2700.0	6049.4	24.7
2580.5	8820.3	31.6	2620.5	8352.2	31.5	2660.5	6574.7	27.6	2700.5	6048.7	24.6
2581.0	8819.0	31.6	2621.0	8354.9	31.5	2661.0	6572.0	27.5	2701.0	5998.3	24.6
2581.5	8823.8	31.6	2621.5	8353.6	31.4	2661.5	6571.3	27.5	2701.5	5922.5	24.5
2582.0	8668.7	31.6	2622.0	8223.9	31.3	2662.0	6515.4	27.4	2702.0	5949.4	24.4
2582.5	8666.6	31.6	2622.5	8176.4	31.3	2662.5	6446.5	27.3	2702.5	5948.0	24.4
2583.0	8663.1	31.6	2623.0	8243.3	31.2	2663.0	6463.7	27.3	2703.0	5945.2	24.3
2583.5	8659.7	31.6	2623.5	8240.5	31.2	2663.5	6463.0	27.2	2703.5	5890.8	24.2
2584.0	8653.5	31.6	2624.0	8239.1	31.1	2664.0	6461.0	27.1	2704.0	5827.4	24.2
2584.5	8645.2	31.6	2624.5	8105.4	31.1	2664.5	6461.7	27.1	2704.5	5840.5	24.2
2585.0	8640.4	31.6	2625.0	8090.2	31.1	2665.0	6371.3	27.0	2705.0	5839.1	24.2
2585.5	8633.5	31.6	2625.5	8128.8	31.1	2665.5	6337.6	27.0	2705.5	5839.1	24.2
2586.0	8630.0	31.6	2626.0	8131.6	31.1	2666.0	6348.6	26.9	2706.0	5805.3	24.2
2586.5	8624.5	31.6	2626.5	8138.5	31.1	2666.5	6345.8	26.8	2706.5	5730.1	24.2
2587.0	8631.4	31.6	2627.0	8052.3	31.1	2667.0	6296.2	26.8	2707.0	5726.0	24.2
2587.5	8628.0	31.6	2627.5	7989.5	31.1	2667.5	6229.3	26.7	2707.5	5723.2	24.2
2588.0	8624.5	31.6	2628.0	8043.3	31.1	2668.0	6243.8	26.7	2708.0	5722.6	24.2
2588.5	8619.0	31.6	2628.5	8040.5	31.0	2668.5	6243.8	26.6	2708.5	5643.3	24.2
2589.0	8619.0	31.6	2629.0	7964.0	31.0	2669.0	6226.6	26.5	2709.0	5626.0	24.2
2589.5	8618.3	31.6	2629.5	7889.6	30.9	2669.5	6145.9	26.5	2709.5	5623.3	24.2
2590.0	8619.0	31.6	2630.0	7931.6	30.8	2670.0	6167.3	26.4	2710.0	5621.2	24.2
2590.5	8618.3	31.6	2630.5	7930.2	30.8	2670.5	6163.8	26.3	2710.5	5585.3	24.2
2591.0	8619.0	31.6	2631.0	7929.5	30.7	2671.0	6161.7	26.3	2711.0	5508.1	24.2
2591.5	8619.0	31.6	2631.5	7819.9	30.7	2671.5	6109.3	26.2	2711.5	5531.6	24.2
2592.0	8614.9	31.6	2632.0	7982.6	30.6	2672.0	6034.2	26.2	2712.0	5528.8	24.2
2592.5	8616.3	31.6	2632.5	7817.2	30.5	2672.5	6058.3	26.1	2712.5	5511.6	24.1
2593.0	8619.0	31.6	2633.0	7815.8	30.5	2673.0	6058.3	26.0	2713.0	5445.4	24.1
2593.5	8621.1	31.6	2633.5	7728.9	30.4	2673.5	6056.9	26.0	2713.5	5426.8	24.0
2594.0	8621.8	31.6	2634.0	7704.1	30.4	2674.0	6056.9	25.9	2714.0	5425.4	23.9
2594.5	8621.8	31.6	2634.5	7716.5	30.3	2674.5	6054.9	25.8	2714.5	5423.3	23.9
2595.0	8621.8	31.6	2635.0	7717.9	30.2	2675.0	6055.6	25.8	2715.0	5349.5	23.8
2595.5	8621.1	31.6	2635.5	7715.8	30.2	2675.5	6054.2	25.7	2715.5	5322.0	23.7
2596.0	8623.8	31.6	2636.0	7584.8	30.1	2676.0	6054.2	25.7	2716.0	5319.9	23.7
2596.5	8623.2	31.6	2636.5	7612.4	30.0	2676.5	6054.9	25.7	2716.5	5315.8	23.7
2597.0	8623.2	31.6	2637.0	7617.9	30.0	2677.0	6055.6	25.7	2717.0	5264.1	23.7
2597.5	8621.1	31.6	2637.5	7615.8	29.9	2677.5	6054.9	25.7	2717.5	5242.0	23.7
2598.0	8620.4	31.6	2638.0	7510.3	29.9	2678.0	6054.2	25.7	2718.0	5226.8	23.7
2598.5	8620.4	31.6	2638.5	7504.8	29.8	2678.5	6054.9	25.7	2718.5	5226.1	23.7
2599.0	8620.4	31.6	2639.0	7509.7	29.7	2679.0	6054.9	25.7	2719.0	5177.9	23.7
2599.5	8620.4	31.6	2639.5	7511.7	29.7	2679.5	6054.2	25.7	2719.5	5137.2	23.7
2600.0	8619.7	31.6	2640.0	7460.0	29.6	2680.0	6054.9	25.7	2720.0	5135.1	23.7
2600.5	8619.7	31.6	2640.5	7379.3	29.6	2680.5	6052.8	25.6	2720.5	5132.4	23.6

TEST REFERENCE#: 301215B FILE STARTS: 20:53:30 on February 13, 1990

LEGEND: ET=Elapsed time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)

ET	P	T	ET	P	T	ET	P	T	ET	P	T
2721.0	5086.2	23.6	2761.0	3469.4	20.1	2801.0	2191.8	16.8	2841.0	2182.8	16.3
2721.5	5019.3	23.5	2761.5	3444.5	20.0	2801.5	2192.5	16.8	2841.5	2183.5	16.3
2722.0	5030.3	23.4	2762.0	3426.6	20.0	2802.0	2191.8	16.8	2842.0	2183.5	16.3
2722.5	5030.3	23.4	2762.5	3425.9	19.9	2802.5	2191.8	16.8	2842.5	2183.5	16.3
2723.0	5029.6	23.3	2763.0	3420.4	19.9	2803.0	2191.8	16.8	2843.0	2182.8	16.3
2723.5	4964.8	23.3	2763.5	3350.8	19.8	2803.5	2190.4	16.8	2843.5	2182.8	16.3
2724.0	4943.4	23.2	2764.0	3324.6	19.7	2804.0	2191.1	16.8	2844.0	2182.1	16.3
2724.5	4939.3	23.1	2764.5	3323.2	19.7	2804.5	2191.1	16.8	2844.5	2184.2	16.3
2725.0	4936.6	23.1	2765.0	3321.1	19.6	2805.0	2191.1	16.8	2845.0	2183.5	16.3
2725.5	4869.0	23.0	2765.5	3253.6	19.6	2805.5	2190.4	16.8	2845.5	2183.5	16.3
2726.0	4854.5	22.9	2766.0	3223.9	19.5	2806.0	2190.4	16.8	2846.0	2182.8	16.3
2726.5	4834.5	22.9	2766.5	3223.2	19.4	2806.5	2191.1	16.8	2846.5	2182.8	16.3
2727.0	4834.5	22.8	2767.0	3163.2	19.4	2807.0	2189.7	16.8	2847.0	2182.8	16.3
2727.5	4781.4	22.8	2767.5	3141.9	19.3	2807.5	2189.7	16.8	2847.5	2182.8	16.3
2728.0	4727.6	22.7	2768.0	3125.3	19.2	2808.0	2190.4	16.8	2848.0	2182.8	16.3
2728.5	4742.8	22.7	2768.5	3126.7	19.2	2808.5	2190.4	16.8	2848.5	2182.8	16.3
2729.0	4741.4	22.7	2769.0	3126.0	19.1	2809.0	2191.1	16.8	2849.0	2183.5	16.3
2729.5	4689.7	22.7	2769.5	3125.3	19.1	2809.5	2190.4	16.8	2849.5	2183.5	16.3
2730.0	4634.6	22.7	2770.0	3124.6	19.0	2810.0	2189.7	16.8	2850.0	2183.5	16.3
2730.5	4647.7	22.7	2770.5	3061.2	18.9	2810.5	2191.1	16.8	2850.5	2182.8	16.3
2731.0	4646.3	22.7	2771.0	3030.2	18.9	2811.0	2190.4	16.8	2851.0	2182.1	16.3
2731.5	4644.9	22.7	2771.5	3024.0	18.8	2811.5	2190.4	16.8	2851.5	2180.7	16.3
2732.0	4642.8	22.7	2772.0	3023.3	18.7	2812.0	2190.4	16.8	2852.0	2181.4	16.3
2732.5	4644.2	22.6	2772.5	2968.1	18.7	2812.5	2190.4	16.8	2852.5	2181.4	16.3
2733.0	4642.8	22.6	2773.0	2995.0	18.6	2813.0	2190.4	16.8	2853.0	2181.4	16.3
2733.5	4643.5	22.5	2773.5	2921.9	18.6	2813.5	2191.1	16.8	2853.5	2181.4	16.3
2734.0	4642.8	22.5	2774.0	2921.2	18.5	2814.0	2189.7	16.8	2854.0	2181.4	16.3
2734.5	4644.2	22.4	2774.5	2907.4	18.4	2814.5	2190.4	16.8	2854.5	2182.8	16.3
2735.0	4642.8	22.3	2775.0	2842.6	18.4	2815.0	2190.4	16.8	2855.0	2184.2	16.3
2735.5	4642.8	22.3	2775.5	2813.7	18.3	2815.5	2190.4	16.8	2855.5	2071.1	16.3
2736.0	4573.2	22.2	2776.0	2815.7	18.3	2816.0	2188.3	16.8	2856.0	2092.5	16.3
2736.5	4548.4	22.2	2776.5	2816.4	18.3	2816.5	2188.3	16.7	2856.5	2107.7	16.3
2737.0	4549.8	22.2	2777.0	2757.1	18.3	2817.0	2188.3	16.6	2857.0	2089.7	16.3
2737.5	4548.4	22.2	2777.5	2707.5	18.3	2817.5	2189.7	16.6	2857.5	2089.7	16.3
2738.0	4504.9	22.2	2778.0	2717.2	18.3	2818.0	2189.0	16.5	2858.0	2082.8	16.3
2738.5	4451.9	22.2	2778.5	2717.8	18.3	2818.5	2189.7	16.5	2858.5	2073.2	16.3
2739.0	4446.3	22.2	2779.0	2674.4	18.3	2819.0	2189.7	16.4	2859.0	2070.4	16.3
2739.5	4445.0	22.2	2779.5	2611.7	18.3	2819.5	2189.7	16.3	2859.5	2067.7	16.3
2740.0	4442.2	22.2	2780.0	2612.4	18.3	2820.0	2188.3	16.3	2860.0	2059.4	16.3
2740.5	4384.3	22.1	2780.5	2613.0	18.2	2820.5	2188.3	16.3	2860.5	1959.4	16.3
2741.0	4331.2	22.1	2781.0	2573.1	18.1	2821.0	2186.9	16.3	2861.0	2050.4	16.3
2741.5	4340.9	22.0	2781.5	2522.0	18.1	2821.5	2188.3	16.3	2861.5	2052.5	16.3
2742.0	4336.0	22.0	2782.0	2510.3	18.0	2822.0	2187.6	16.3	2862.0	2053.2	16.3
2742.5	4278.8	21.9	2782.5	2511.7	17.9	2822.5	2188.3	16.3	2862.5	2054.6	16.3
2743.0	4109.9	21.8	2783.0	2483.4	17.9	2823.0	2188.3	16.3	2863.0	2055.3	16.3
2743.5	4236.7	21.8	2783.5	2432.4	17.8	2823.5	2188.3	16.3	2863.5	2055.3	16.3
2744.0	4231.2	21.7	2784.0	2406.9	17.8	2824.0	2189.0	16.3	2864.0	2054.6	16.3
2744.5	4203.0	21.6	2784.5	2409.6	17.7	2824.5	2188.3	16.3	2864.5	2054.6	16.3
2745.0	4132.6	21.6	2785.0	2408.3	17.6	2825.0	2187.6	16.3	2865.0	2055.3	16.3
2745.5	4133.3	21.5	2785.5	2375.2	17.6	2825.5	2187.6	16.3	2865.5	2055.3	16.3
2746.0	4133.3	21.5	2786.0	2298.6	17.5	2826.0	2187.6	16.3	2866.0	2055.3	16.3
2746.5	4131.3	21.4	2786.5	2303.5	17.5	2826.5	2186.3	16.3	2866.5	2055.3	16.3
2747.0	4130.6	21.3	2787.0	2303.5	17.4	2827.0	2186.9	16.3	2867.0	2054.6	16.3
2747.5	4081.6	21.3	2787.5	2265.5	17.3	2827.5	2187.6	16.3	2867.5	2054.6	16.3
2748.0	4006.5	21.2	2788.0	2209.0	17.3	2828.0	2186.9	16.3	2868.0	2055.3	16.3
2748.5	4032.0	21.2	2788.5	2193.8	17.3	2828.5	2185.6	16.3	2868.5	2055.3	16.3
2749.0	4027.8	21.1	2789.0	2195.2	17.3	2829.0	2185.6	16.3	2869.0	2055.3	16.3
2749.5	4032.7	21.0	2789.5	2195.2	17.3	2829.5	2186.3	16.3	2869.5	2054.6	16.3
2750.0	3947.2	21.0	2790.0	2195.2	17.3	2830.0	2186.3	16.3	2870.0	2054.6	16.3
2750.5	3931.3	20.9	2790.5	2195.2	17.3	2830.5	2186.3	16.3	2870.5	2053.9	16.3
2751.0	3928.6	20.8	2791.0	2193.8	17.3	2831.0	2186.9	16.3	2871.0	2053.2	16.3
2751.5	3923.7	20.8	2791.5	2193.2	17.3	2831.5	2186.3	16.3	2871.5	2053.9	16.3
2752.0	3883.7	20.7	2792.0	2193.8	17.3	2832.0	2186.9	16.3	2872.0	1896.7	16.3
2752.5	3836.2	20.7	2792.5	2193.8	17.2	2832.5	2186.3	16.3	2872.5	1841.5	16.2
2753.0	3825.8	20.6	2793.0	2192.5	17.1	2833.0	2185.6	16.3	2873.0	1851.9	16.2
2753.5	3826.5	20.5	2793.5	2192.5	17.1	2833.5	2185.6	16.3	2873.5	1854.6	16.1
2754.0	3824.4	20.5	2794.0	2192.5	17.0	2834.0	2184.2	16.3	2874.0	1857.4	16.0
2754.5	3773.4	20.4	2794.5	2191.8	17.0	2834.5	2184.2	16.3	2874.5	1858.8	16.0
2755.0	3686.5	20.4	2795.0	2191.8	16.9	2835.0	2185.6	16.3	2875.0	1858.8	15.9
2755.5	3726.5	20.3	2795.5	2192.5	16.8	2835.5	2185.6	16.3	2875.5	1858.8	15.8
2756.0	3722.4	20.2	2796.0	2192.5	16.8	2836.0	2184.2	16.3	2876.0	1859.5	15.8
2756.5	3690.0	20.2	2796.5	2192.5	16.8	2836.5	2183.5	16.3	2876.5	1754.7	15.8
2757.0	3639.0	20.2	2797.0	2192.5	16.8	2837.0	2183.5	16.3	2877.0	1518.9	15.8
2757.5	3626.6	20.2	2797.5	2191.8	16.8	2837.5	2183.5	16.3	2877.5	1515.4	15.8
2758.0	3621.0	20.2	2798.0	2191.8	16.8	2838.0	2184.2	16.3	2878.0	1540.9	15.8
2758.5	3621.0	20.2	2798.5	2191.1	16.8	2838.5	2184.2	16.3	2878.5	1551.3	15.8
2759.0	3581.7	20.2	2799.0	2191.1	16.8	2839.0	2182.8	16.3	2879.0	1552.6	15.8
2759.5	3526.6	20.2	2799.5	2191.8	16.8	2839.5	2182.8	16.3	2879.5	1552.6	15.8
2760.0	3523.8	20.2	2800.0	2191.8	16.8	2840.0	2182.8	16.3	2880.0	1553.3	15.8
2760.5	3520.4	20.2	2800.5	2191.8	16.8	2840.5	2183.5	16.3	2880.5	1553.3	15.8

TEST REFERENCE#: 301215B			FILE STARTS: 20:53:30 on February 13, 1990								
LEGEND: ET=Elaped time in (min.), P=Bottom hole pressure (kPaa), T=Temperature (Deg. C)											
ET	P	T	ET	P	T	ET	P	T	ET	P	T
2881.0	1553.3	15.8	2921.0	97.9	10.6						
2881.5	1553.3	15.8	2921.5	96.5	10.5						
2882.0	1470.6	15.8	2922.0	97.2	10.4						
2882.5	1260.3	15.8	2922.5	97.9	10.2						
2883.0	1220.3	15.8	2923.0	97.2	10.1						
2883.5	1244.4	15.8	2923.5	99.2	10.0						
2884.0	1254.8	15.8	2924.0	89.6	9.9						
2884.5	1256.2	15.7	2924.5	89.6	9.7						
2885.0	1258.2	15.7	2925.0	93.7	9.6						
2885.5	1257.5	15.6	2925.5	99.2	9.5						
2886.0	1137.6	15.5	2926.0	100.6	9.4						
2886.5	961.1	15.5	2926.5	99.9	9.2						
2887.0	959.0	15.4	2927.0	100.6	9.1						
2887.5	970.7	15.4	2927.5	100.6	9.0						
2888.0	973.5	15.3	2928.0	101.3	8.9						
2888.5	972.8	15.3	2928.5	102.7	8.9						
2889.0	972.8	15.3	2929.0	102.7	9.0						
2889.5	973.5	15.3	2929.5	102.0	9.1						
2890.0	854.2	15.3	2930.0	101.3	9.1						
2890.5	659.1	15.3	2930.5	101.3	9.2						
2891.0	656.3	15.3	2931.0	101.3	9.2						
2891.5	666.7	15.3	2931.5	101.3	9.3						
2892.0	671.5	15.3	2932.0	100.6	9.4						
2892.5	672.2	15.2	2932.5	99.9	9.4						
2893.0	670.8	15.2	2933.0	101.3	9.5						
2893.5	672.2	15.1	2933.5	100.6	9.6						
2894.0	672.9	15.0	2934.0	99.9	9.6						
2894.5	615.6	15.0	2934.5	99.9	9.7						
2895.0	426.7	14.9	2935.0	99.2	9.7						
2895.5	371.6	14.9	2935.5	99.2	9.8						
2896.0	361.2	14.8	2936.0	99.2	9.9						
2896.5	359.2	14.8	2936.5	99.2	9.9						
2897.0	359.2	14.8	2937.0	99.2	9.9						
2897.5	359.2	14.8	2937.5	99.9	9.9						
2898.0	359.9	14.8	2938.0	99.2	9.9						
2898.5	361.9	14.8	2938.5	99.2	9.9						
2899.0	361.9	14.8	2939.0	99.9	9.9						
2899.5	360.5	14.8	2939.5	99.9	9.9						
2900.0	359.9	14.8	2940.0	99.2	9.9						
2900.5	360.5	14.8	2940.5	99.9	9.9						
2901.0	359.2	14.8	2941.0	99.9	9.9						
2901.5	357.8	14.8	2941.5	99.2	9.9						
2902.0	357.1	14.8	2942.0	96.5	9.9						
2902.5	358.5	14.8									
2903.0	359.9	14.8									
2903.5	358.5	14.8									
2904.0	356.4	14.8									
2904.5	337.8	14.6									
2905.0	342.6	14.4									
2905.5	132.3	14.2									
2906.0	110.3	14.1									
2906.5	110.3	13.9									
2907.0	111.6	13.7									
2907.5	111.6	13.5									
2908.0	111.6	13.3									
2908.5	112.3	13.2									
2909.0	111.6	13.1									
2909.5	111.6	12.9									
2910.0	113.7	12.8									
2910.5	113.0	12.7									
2911.0	113.0	12.6									
2911.5	113.0	12.5									
2912.0	113.7	12.3									
2912.5	113.7	12.1									
2913.0	113.7	12.0									
2913.5	114.4	11.8									
2914.0	115.1	11.6									
2914.5	103.4	11.4									
2915.0	93.7	11.2									
2915.5	89.6	11.0									
2916.0	97.2	10.8									
2916.5	98.5	10.8									
2917.0	99.2	10.8									
2917.5	98.5	10.8									
2918.0	99.2	10.8									
2918.5	99.2	10.8									
2919.0	99.2	10.8									
2919.5	99.2	10.8									
2920.0	98.5	10.8									
2920.5	97.9	10.7									

A) CORE ANALYSIS

CORE ANALYSIS REPORT

FOR

PETRO-CANADA INC.

PCI SWEDE E-02

60°11'26.03" N LAT. 117°31'24.73" W LONG.
WILDCAT, SWEDE, NORTHWEST TERRITORIES

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom; and for whose exclusive and confidential use; this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories (all errors and omissions excepted); but Core Laboratories and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or mineral well or formation in connection with which such report is used or relied upon.

CORE LABORATORIES

Company : PETRO-CANADA INC.
 Well : PCI SWEDE E-02
 Location : 60°11'26.03" N LAT. 117°31'24.73" W LONG.
 Province : NORTHWEST TERRITORIES

Field : WILDCAT, SWEDE
 Formation : SLAVE POINT
 Coring Equip.: DIAMOND
 Coring Fluid : WATER BASE MUD

File No.: 52131-90-0071
 Date : 90-02-05
 Analysts: JC
 Core Dia: 100 mm

CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH m	INTVL REP m	SAMPLE LENGTH m	PERMEABILITY			CAPACITY (MAXIMUM) Kair mD-m	POROSITY (HELIUM) fraction	CAPACITY (HELIUM) φ-m	BULK DENSITY kg/m3	GRAIN DENSITY kg/m3	SATURATION		DESCRIPTION	
				(MAXIMUM) Kair mD	(90 DEG) Kair mD	(VERTICAL) Kair mD						(PORE VOLUME) OIL frac	WATER frac		
CORE NO. 1 1377.00 - 1395.00 m (CORE RECEIVED 18.00 m) (17 BOXES)															
SP	1	1377.00- 77.42	0.42	0.19	0.06	0.02	0.11	0.025	0.013	0.004	2650.	2690.	0.323	0.387	1s i sty vfrac
	2	1377.42- 77.54	0.12	-	0.07	-	-	0.008	0.038	0.005	-	2700.	0.280	0.054	1s i ppv
	3	1377.54- 77.73	0.19	0.15	*	0.05	*	-	0.029	0.006	2610.	2690.	0.342	0.059	1s i ppv vfrac
	4	1377.73- 77.93	0.20	0.14	*	0.16	*	-	0.015	0.002	2650.	2690.	TRACE	0.439	1s i ppv vfrac
SP	5	1377.93- 78.46	0.53	0.22	0.03	0.01	0.02	0.016	0.005	0.000	2690.	2700.	0.693	0.099	1s i sty vfrac
	6	1378.46- 78.59	0.13	-	<.01	-	-	0.000	0.005	0.000	-	2710.	TRACE	0.505	1s i
	7	1378.59- 78.86	0.27	0.12	0.41	0.04	0.04	0.111	0.005	0.000	2700.	2710.	0.000	0.345	1s i vfrac
	8	1378.86- 79.29	0.43	0.13	0.05	<.01	<.01	0.022	0.005	0.000	2690.	2700.	0.000	0.439	1s i vfrac
SP	9	1379.29- 79.59	0.30	0.16	<.01	<.01	<.01	0.000	0.005	0.000	2690.	2710.	0.398	0.159	1s i
	10	1379.59- 79.87	0.28	0.12	<.01	<.01	<.01	0.000	0.011	0.003	2700.	2730.	0.000	0.305	1s i
	11	1379.87- 79.97	0.10	-	0.04	-	-	0.004	0.016	0.002	-	2730.	TRACE	0.293	1s i anhy
	12	1379.97- 80.22	0.25	0.20	0.29	<.01	0.02	0.072	0.009	0.002	2670.	2690.	0.000	0.306	1s i vfrac
SP	13	1380.22- 80.46	0.24	0.11	0.02	<.01	0.02	0.005	0.009	0.002	2680.	2710.	0.444	0.123	1s i vfrac
	14	1380.46- 80.58	0.12	-	0.02	-	-	0.002	0.011	0.001	-	2720.	0.336	0.135	1s i ppv foss
	15	1380.58- 80.81	0.23	0.11	<.01	<.01	<.01	0.000	0.027	0.007	2640.	2710.	TRACE	0.283	1s i ppv foss
	16	1380.81- 81.00	0.19	0.09	0.05	<.01	0.05	0.009	0.033	0.006	2620.	2710.	0.508	0.141	1s i ppv foss vfrac
SP	17	1381.00- 81.26	0.26	0.22	0.06	0.01	0.02	0.016	0.015	0.003	2660.	2700.	TRACE	0.240	1s i ppv foss vfrac
	18	1381.26- 81.51	0.25	0.10	0.14	0.05	0.45	0.035	0.009	0.002	2680.	2710.	0.000	0.354	1s i vfrac
	19	1381.51- 81.61	0.10	-	3.45	-	-	0.345	0.005	0.000	-	2700.	0.000	0.180	1s i frac
	20	1381.61- 81.87	0.26	0.18	0.20	0.20	<.01	0.052	0.010	0.003	2700.	2730.	0.000	0.366	1s i sty vfrac
SP	21	1381.87- 82.18	0.31	0.09	0.05	0.03	0.01	0.015	0.010	0.003	2680.	2710.	0.434	0.174	1s i foss vfrac
	22	1382.18- 82.42	0.24	0.10	0.47	0.33	0.94	0.113	0.015	0.002	2660.	2700.	0.431	0.172	1s i ppv foss vfrac
	23	1382.42- 82.71	0.29	0.22	0.01	<.01	<.01	0.003	0.005	0.000	2700.	2710.	0.583	0.162	1s i
	24	1382.71- 82.87	0.16	-	<.01	-	-	0.000	0.005	0.000	-	2700.	0.694	0.086	1s i sty
	25	1382.87- 83.39	0.52	0.14	0.02	0.01	<.01	0.010	0.007	0.005	2670.	2690.	0.672	0.116	1s i foss

CORE LABORATORIES

Company : PETRO-CANADA INC.
Well : PCI SWEDE E-02

Field : WILDCAT, SWEDE
Formation : SLAVE POINT

File No.: 52131-90-0071
Date : 90-02-05

C O R E A N A L Y S I S R E S U L T S

SAMPLE NUMBER	DEPTH m	INTVL REP m	SAMPLE LENGTH m	PERMEABILITY			CAPACITY (MAXIMUM) Kair mD-m	POROSITY (HELIUM) fraction	CAPACITY (HELIUM) φ-m	BULK DENSITY kg/m3	GRAIN DENSITY kg/m3	SATURATION		DESCRIPTION
				(MAXIMUM) Kair mD	(90 DEG) Kair mD	(VERTICAL) Kair mD						(PORE VOLUME) OIL frac	WATER frac	
26	1383.39- 83.55	0.16	0.05	0.80	0.56	0.34	0.128	0.018	0.003	2650.	2700.	0.495	0.198	1s i frac
27	1383.55- 83.79	0.24	0.06	*	39.9	5.86	-	0.005	0.000	2710.	2720.	0.456	0.127	1s i vfrac
28	1383.79- 83.97	0.18	0.15	0.01	<.01	<.01	0.002	0.005	0.000	2680.	2690.	TRACE	0.477	1s i foss
SP 29	1383.97- 84.27	0.30	-	<.01	-	-	0.000	0.006	0.003	-	2690.	0.611	0.105	1s i sty
30	1384.27- 85.10	0.83	0.13	0.01	<.01	0.02	0.008	0.006	0.008	2700.	2720.	0.000	0.610	1s i vfrac
31	1385.10- 85.68	0.58	0.17	1.43	<.01	<.01	0.829	0.005	0.000	2700.	2710.	0.000	0.579	1s i vfrac
32	1385.68- 86.05	0.37	0.17	0.26	<.01	0.04	0.096	0.005	0.000	2690.	2700.	TRACE	0.401	1s i vfrac
33	1386.05- 86.34	0.29	0.06	0.02	<.01	<.01	0.006	0.005	0.000	2690.	2700.	0.652	0.181	1s i
34	1386.34- 86.50	0.16	0.15	0.03	0.01	<.01	0.005	0.006	0.002	2690.	2700.	TRACE	0.268	1s i
35	1386.50- 87.00	0.50	0.21	<.01	<.01	<.01	0.000	0.005	0.000	2690.	2710.	0.000	0.433	1s i
36	1387.00- 87.21	0.21	0.16	<.01	<.01	<.01	0.000	0.005	0.000	2690.	2690.	0.557	0.223	1s i
37	1387.21- 87.54	0.33	0.12	<.01	<.01	<.01	0.000	0.008	0.003	2670.	2690.	0.819	0.080	1s i foss
38	1387.54- 87.98	0.44	0.22	<.01	<.01	<.01	0.000	0.005	0.000	2690.	2710.	TRACE	0.598	1s i vfrac
39	1387.98- 88.11	0.13	0.08	0.02	0.02	<.01	0.003	0.025	0.004	2640.	2710.	0.535	0.148	1s i ppv foss
40	1388.11- 88.27	0.16	0.12	0.02	<.01	<.01	0.003	0.008	0.002	2690.	2710.	TRACE	0.494	1s i foss
-	1388.27- 90.87	2.60												1s
SP 41	1390.87- 91.10	0.23	-	<.01	-	-	0.000	0.007	0.002	-	2710.	0.000	0.281	1s i
-	1391.10- 91.87	0.77												1s
SP 42	1391.87- 92.13	0.26	-	0.53	-	-	0.138	0.005	0.000	-	2710.	0.000	0.233	1s i frac
-	1392.13- 93.79	1.66												1s
SP 43	1393.79- 93.86	0.07	-	<.01	-	-	0.000	0.005	0.000	-	2710.	0.000	0.354	1s i
-	1393.86- 94.63	0.77												1s
SP 44	1394.63- 94.76	0.13	-	<.01	-	-	0.000	0.005	0.000	-	2710.	0.594	0.126	1s i sty
-	1394.76- 95.00	0.24												1s

CORE LABORATORIES

Company : PETRO-CANADA INC.
Well : PCI SWEDE E-02

Field : WILDCAT, SWEDE
Formation : SLAVE POINT

File No.: 52131-90-0071
Date : 90-02-05

C O R E A N A L Y S I S F O O T N O T E S

SYMBOL	DESCRIPTION
	* Unsuitable for Analysis.

CORE LABORATORIES

CODE KEY - DESCRIPTIONS

a	= Plug from full diameter sample	i	= Intergranular	SCAL	= Removed for special core analysis
anhy	= Anhydrite	incl	= Inclusions	sdv	= Sandy
AST	= Appears similar to	lam	= Laminae (Laminated)	SEM	= Scanning electron microscope analysis
bk	= Break	lmy	= Limy	sh	= Shale
bldr	= Boulder	ls	= Limestone	shy	= Moderately shaly (20-40%)
c	= Coarse	lv	= Large vug	sltst	= Siltstone
calc	= Calcite (areous)	m	= Medium	slty	= Silty
carb	= Carbonaceous	mi	= Mud invaded	SP	= Small plug
cbl	= Cobble	mic	= Micaceous	ss	= Sandstone
CEC	= Cation exchange capacity	mshy	= Moderately shaly (20-40%)	sshy	= Slightly Shaly (<20%)
cem	= Cemented	mv	= Medium vug	sty	= Stylolite (ic)
cgl	= Conglomerate	NA	= Not analysed by request	sulf	= Sulphur
cht	= Chert	NP	= No permeability measurement	sv	= Small vug
coal	= Coal/Coal Inclusion	NR	= Not received	tr	= Trace
dol	= Dolomite	ool	= Oolitic	TS	= Thin section
f	= Fine	OB	= Overburden	uncons	= Unconsolidated
fest	= Ironstone	P	= Preserved for future studies	vfrac	= Vertical fracture
foss	= Fossil (iferous)	pbl	= Pebble	vf	= Very fine
frac	= Fracture	PET	= Removed for petrographic analysis	VOB	= Vertical overburden sample
fri	= Friable	POA	= Portion removed for oil analysis	vshy	= Very shaly (>40%)
glauc	= Glauconite (ic)	ppv	= Pinpoint Vug	VSP	= Vertical small plug
grnl	= Granule	PSA	= Particle size analysis	vug	= Vuggy (ular)
gyp	= Gypsum	pyr	= Pyrite (ic)	ws	= Water sand
hfrac	= Horizontal fracture	pyrbit	= Pyrobitumen	XRD	= X-ray diffraction
hal	= Halite (Salt)	SA	= Sieve Analysis		

CORE LABORATORIES

Company : PETRO-CANADA INC.
Well : PCI SWEDE E-02

Field : WILDCAT, SWEDE
Formation : SLAVE POINT

File No.: 52131-90-0071
Date : 90-02-05

A N A L Y T I C A L P R O C E D U R E S A N D Q U A L I T Y A S S U R A N C E

HANDLING & CLEANING

Core Transportation :
Solvent : TOLUENE
Extraction Equipment : VAPOUR PHASE EXTRACTOR
Extraction Time : 5 DAYS
Drying Equipment : GRAVITY OVEN
Drying Time : 2 DAYS
Drying Temperature : 115 DEGREES C.

ANALYSIS

Grain volume measured by Boyle's Law in a modified U.S.B.M. porosimeter using He
Grain volume measured by Boyle's Law in a matrix cup using He
Bulk volume measured by calipering
Bulk volume by Archimedes Principle
Fluid saturations by retort
Core Gamma Spectral.

CORE LABORATORIES

Company : PETRO-CANADA INC.
Well : PCI SWEDE E-02

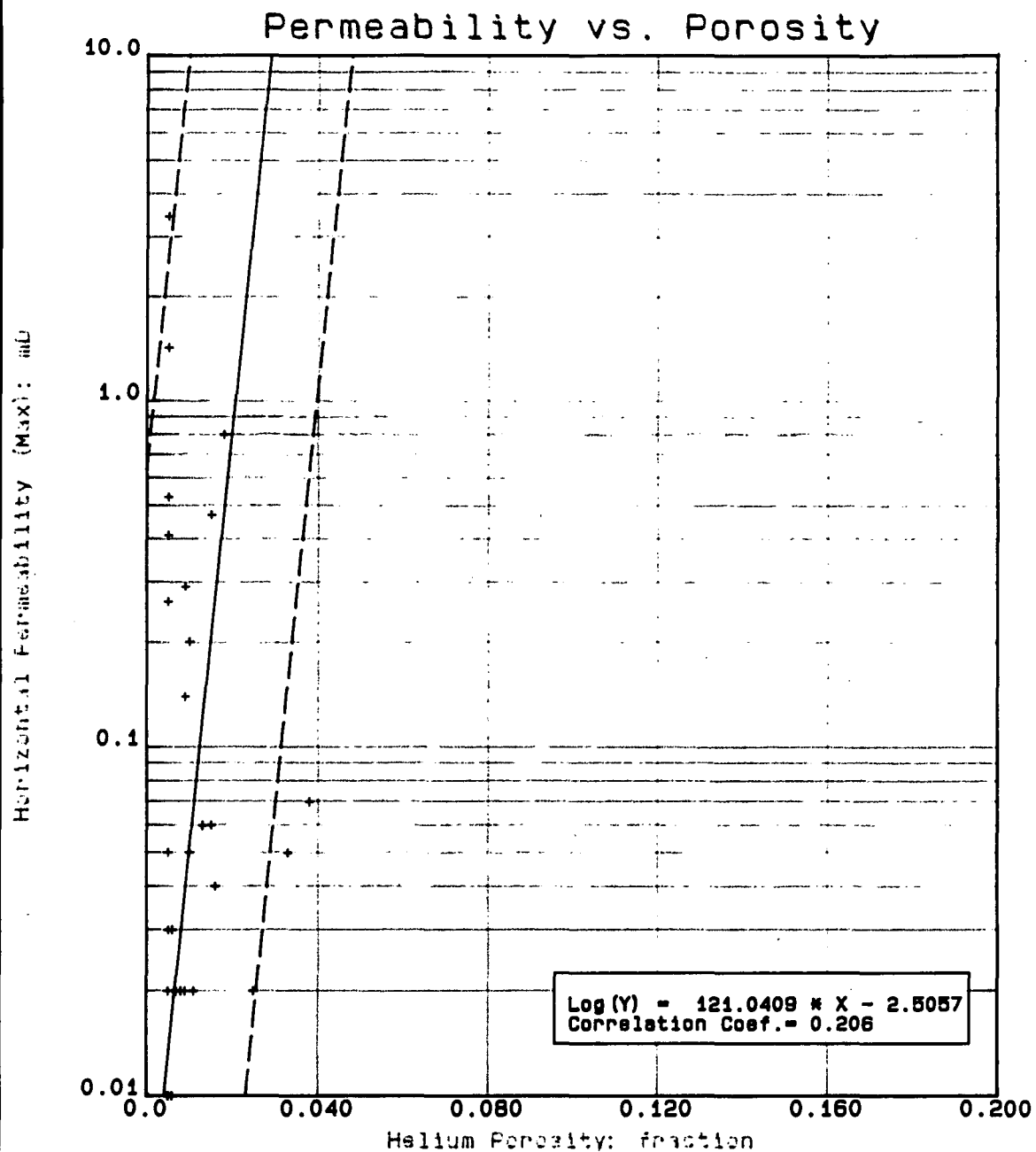
Field : WILDCAT, SWEDE
Formation : SLAVE POINT

File No.: 52131-90-0071
Date : 90-02-05

TABLE I

SUMMARY OF CORE DATA

ZONE AND CUTOFF DATA		CHARACTERISTICS REMAINING AFTER CUTOFFS			
ZONE:		ZONE:		PERMEABILITY:	
Identification -----	SLAVE POINT	Number of Samples -----	44	Flow Capacity -----	2.09 mD-m
Top Depth -----	1377.00 m	Thickness Represented -	11.96 m	Arithmetic Average ----	0.18 mD
Bottom Depth -----	1395.00 m			Geometric Average -----	0.02 mD
Number of Samples -----	44			Harmonic Average -----	0.00 mD
DATA TYPE:		POROSITY:		Minimum -----	0.00 mD
Porosity -----	(HELIUM)	Storage Capacity -----	0.107 ϕ -m	Maximum -----	3.45 mD
Permeability -----	(MAXIMUM) Kair	Arithmetic Average ----	0.009 frac	Median -----	0.02 mD
		Minimum -----	0.005 frac	Standard Dev. (Geom) --	K-10 ^{±1.056} mD
		Maximum -----	0.038 frac		
		Median -----	0.007 frac		
		Standard Deviation ---	±0.008 frac		
CUTOFFS:		GRAIN DENSITY:		HETEROGENEITY (Permeability):	
Porosity (Minimum) -----	0.000 frac			Dykstra-Parsons Var. --	0.859
Porosity (Maximum) -----	1.000 frac			Lorenz Coefficient ----	0.835
Permeability (Minimum) ---	0.0000 mD				
Permeability (Maximum) ---	100000. mD			AVERAGE SATURATIONS (Pore Volume):	
Water Saturation (Maximum)	1.000 frac	Arithmetic Average ----	2705. kg/m3	Oil -----	0.257 frac
Oil Saturation (Minimum) -	0.000 frac	Minimum -----	2690. kg/m3	Water -----	0.264 frac
Grain Density (Minimum) --	2000. kg/m3	Maximum -----	2730. kg/m3		
Grain Density (Maximum) --	3000. kg/m3	Median -----	2710. kg/m3		
Lithology Excluded -----	NONE	Standard Deviation ----	±11. kg/m3		



PETRO-CANADA INC.

PCI SWEDE E-02

WILDCAT, SWEDE

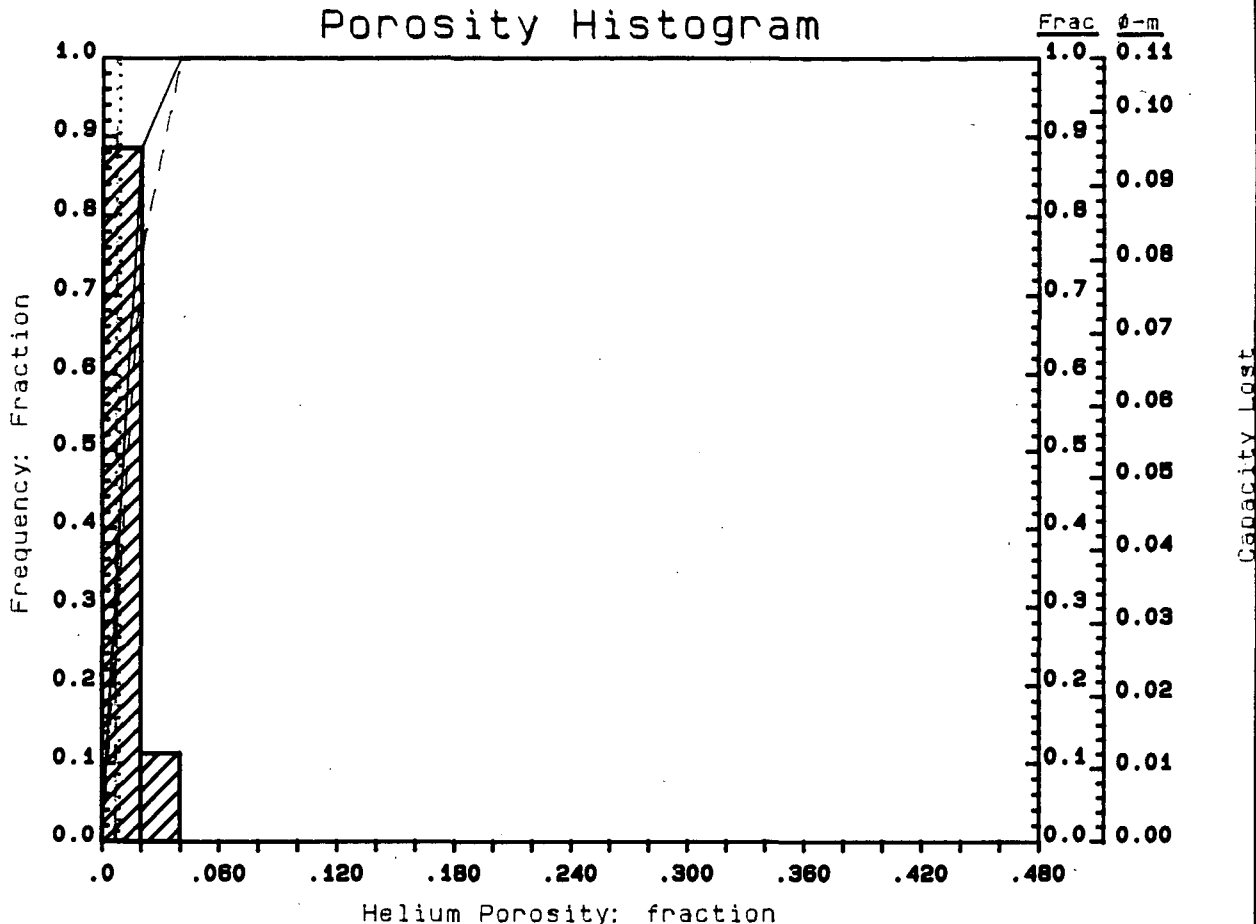
SLAVE POINT (1377.00-1395.00 m)

Core Laboratories

- LEGEND -
SLAVE POINT

• Deleted

Porosity Histogram



PETRO-CANADA INC.

PCI SWEDE E-02

WILDCAT, SWEDE

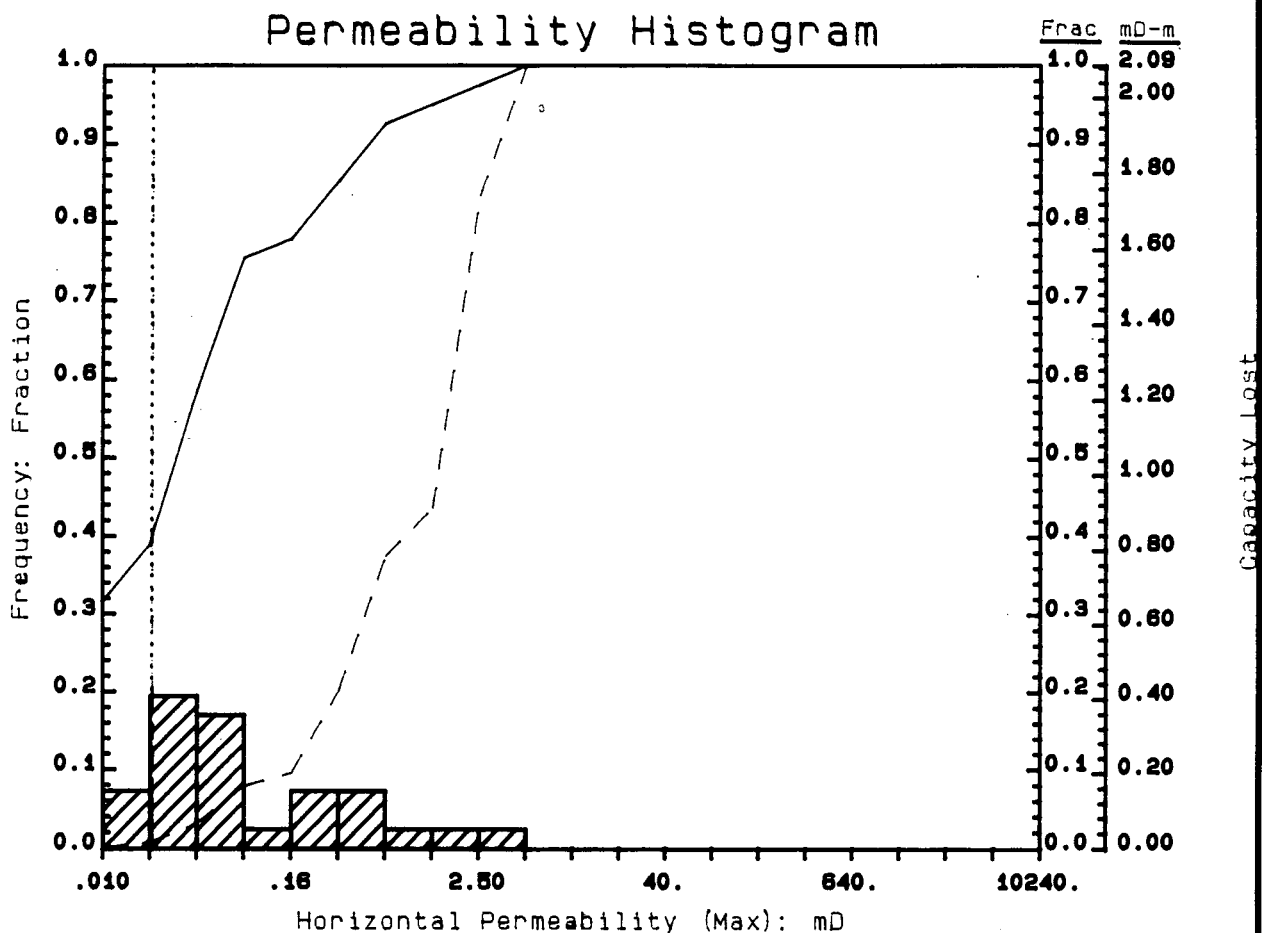
SLAVE POINT (1377.00-1395.00 m)

Core Laboratories

- LEGEND -

- Median Value (0.007)
- Arith. Average (0.009)
- Cumulative Frequency
- - - Cumulative Capacity Lost

44 Samples



PETRO-CANADA INC.

PCI SWEDE E-02

WILDCAT, SWEDE

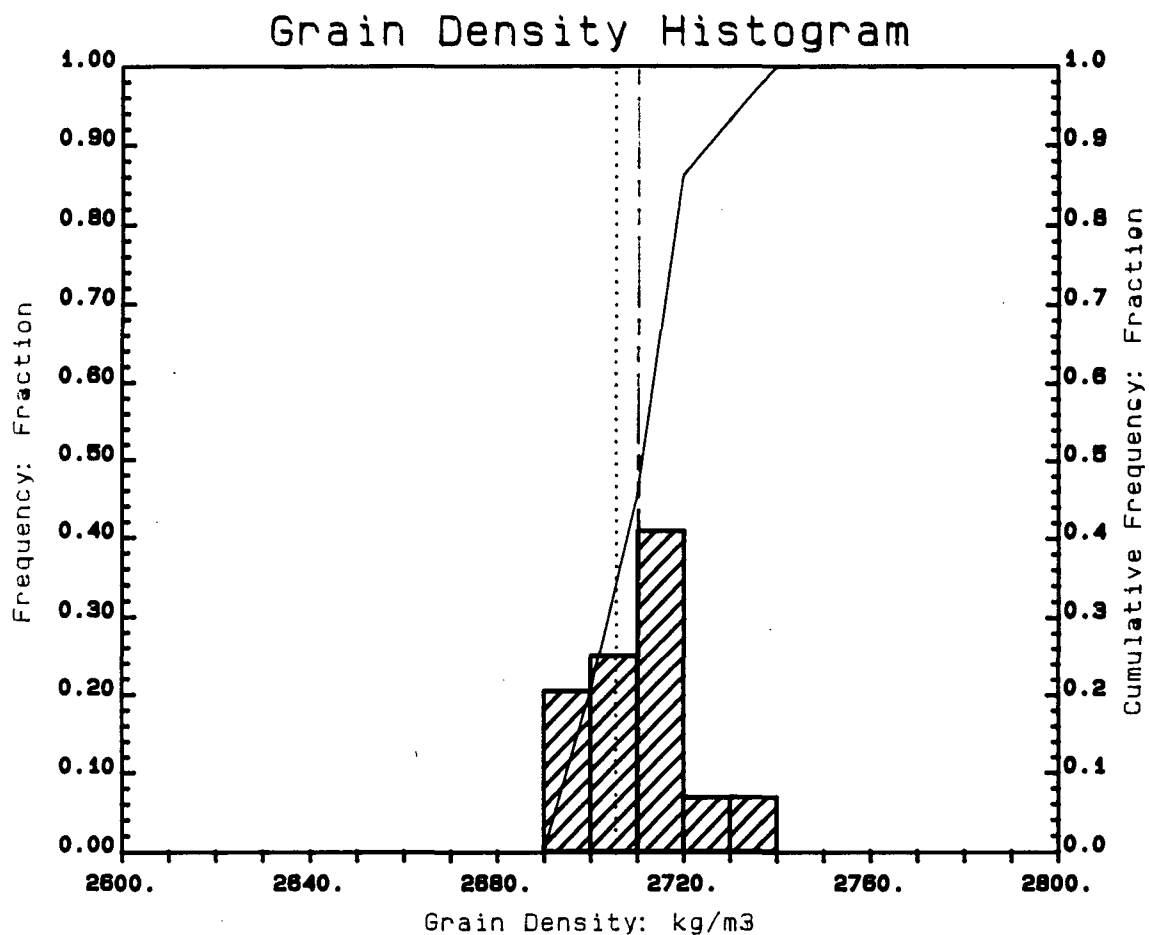
SLAVE POINT (1377.00-1395.00 m)

Core Laboratories

- LEGEND -

----- Median Value (0.020)
 Geom. Average (0.020)
 ——— Cumulative Frequency
 --- Cumulative Capacity Lost

41 Samples



PETRO-CANADA INC.

PCI SWEDE E-02

WILDCAT, SWEDE

SLAVE POINT (1377.00-1395.00 m)

Core Laboratories

- LEGEND -

— Median Value (2710)
..... Arith. Average (2705)
— Cumulative Frequency

44 Samples

B) FLUID ANALYSIS

DST SAMPLER DEPLETION AND GAS ANALYSIS

FOR

PETRO-CANADA INC.

File: 52136-90-249

Date: 90 02 19

**CORE
LABORATORIES**

DST SAMPLER DEPLETION

<u>BHS</u>		<u>52136-90-249</u>	
CONTAINER IDENTITY		LABORATORY NUMBER	
<u>Petro-Canada Inc.</u>		<u>1 of 3</u>	
OPERATOR		PAGE	
<u>LSD E-02</u>	<u>PCI Swede E-02</u>	<u>805.05</u>	
LOCATION	WELL OR SAMPLE LOCATION NAME	KB ELEV. (m)	GR ELEV. (m)
<u>Swede, N.W.T.</u>	<u>Slave Point</u>	<u>Schlumberger</u>	
FIELD OR AREA	POOL OR ZONE	SAMPLER	
<u>DST # 1</u>			
TEST TYPE & NO.		TEST RECOVERY	
<u>Bottomhole</u>			
POINT OF SAMPLE		AMT. & TYPE CUSHION	MUD RESISTIVITY @ °C
<u>1370.00-</u>	<u>PUMPING</u>	<u>GAS LIFT</u>	<u>SWAB</u>
<u>1396.00 mKB</u>	<u>FLOWING</u>	<u>GAS LIFT</u>	<u>SWAB</u>
TEST INTERVALS (metres)	<u>WATER</u> <u>m³/d</u>	<u>OIL</u> <u>m³/d</u>	<u>GAS</u> <u>m³/d</u>
SEPARATOR		CONTAINER WHEN SAMPLED @ °C	CONTAINER WHEN RECEIVED @ °C
RESERVOIR		SEPARATOR	
----- PRESSURES, kPa (gauge) -----		----- TEMPERATURES, °C -----	
<u>90 02 09</u>	<u>90 02 09</u>	<u>90 02 09</u>	<u>MD</u>
DATE SAMPLED (Y/M/D)	DATE RECEIVED (Y/M/D)	DATE ANALYZED (Y/M/D)	ANALYST
			REMARKS

DST SAMPLER DEPLETION

The following data was compiled from the Drill Stem Test

Sampler chamber identification number #1

The opening pressure of this tool was kPa @ 22 Degrees C.

The recovery was determined as being:

0 cc of Hydrocarbon Liquid

0 cc of Water

200 mls cc of Drilling Mud

0 Gas Sample(s)

**CORE
LABORATORIES**

DST SAMPLER DEPLETION

BHS CONTAINER IDENTITY		52136-90-249 LABORATORY NUMBER	
Petro-Canada Inc. OPERATOR		2 of 3 PAGE	
LSD E-02 LOCATION	PCI Swede E-02 WELL OR SAMPLE LOCATION NAME	805.05 KB ELEV. (m) GR ELEV. (m)	
Swede, N.W.T. FIELD OR AREA	Slave Point POOL OR ZONE	Schlumberger SAMPLER	
DST # 1 TEST TYPE & NO.		TEST RECOVERY	
Bottomhole		@ °C	
POINT OF SAMPLE		MUD RESISTIVITY	
PUMPING		FLOWING	
1370.00- 1396.00 mKB TEST INTERVALS (metres)		GAS LIFT	
WATER		SWAB	
m ³ /d		m ³ /d	
OIL		GAS	
m ³ /d		m ³ /d	
SEPARATOR		RESERVOIR	
CONTAINER WHEN SAMPLED		CONTAINER WHEN RECEIVED	
@ °C		@ °C	
PRESSURES, kPa (gauge)		TEMPERATURES, °C	
90 02 09		90 02 09	
DATE SAMPLED (Y/M/D)		DATE RECEIVED (Y/M/D)	
90 02 09		MD	
DATE ANALYZED (Y/M/D)		ANALYST	
		REMARKS	

DST SAMPLER DEPLETION

The following data was compiled from the Drill Stem Test

Sampler chamber identification number #2

The opening pressure of this tool was kPa @ 22 Degrees C.

The recovery was determined as being:

0 cc of Hydrocarbon Liquid

0 cc of Water

180 cc of Drilling Mud

0 Gas Sample(s)

**CORE
LABORATORIES**

G A S A N A L Y S I S

A-7002 CONTAINER IDENTITY		52136-90-249 LABORATORY NUMBER	
Petro-Canada Inc. OPERATOR		3 of 3 PAGE	
PCI Swede E-02 LOCATION		805.05 KB ELEV.(m) GR ELEV.(m)	
Swede, N.W.T. FIELD OR AREA		Slave Point POOL OR ZONE	
		Schlumberger SAMPLER	
DST # 1 TEST TYPE & NO.		TEST RECOVERY	
Flare Line			
POINT OF SAMPLE		@ °C	
PUMPING		AMT. & TYPE CUSHION	
FLOWING		MUD RESISTIVITY	
GAS LIFT		SWAB	
WATER m ³ /d		OIL m ³ /d	
GAS m ³ /d			
TEST INTERVALS (metres)			
SEPARATOR		RESERVOIR	
CONTAINER WHEN SAMPLED		CONTAINER WHEN RECEIVED	
SEPARATOR			
PRESSURES, kPa (gauge)		TEMPERATURES, °C	
90 02 09		90 02 09	
DATE SAMPLED (Y/M/D)		DATE RECEIVED (Y/M/D)	
90 02 14		MW	
DATE ANALYZED (Y/M/D)		ANALYST	
		REMARKS	

COMPONENT	MOLE FRACTION AIR FREE AS RECEIVED	MOLE FRACTION AIR FREE ACID GAS FREE	mL/m ³ AIR FREE AS RECEIVED
i ₂	0.0006		
He	0.0008		
N ₂	0.0819		
CO ₂	0.0193		
H ₂ S	0.0000		
C ₁	0.8695		
C ₂	0.0147		
C ₃	0.0072		26.5
iC ₄	0.0011		4.8
C ₄	0.0022		9.3
iC ₅	0.0006		2.9
C ₅	0.0006		2.9
C ₆	0.0005		2.7
C ₇₊	0.0010		6.8
TOTAL	1.0000		55.9
		C ₅₊	15.3

CALCULATED GROSS HEATING VALUE MJ/m ³ @15°C & 101.325 kPa (abs.)		CALCULATED VAPOUR PRESSURE kPa (abs.) @40.0°C
35.41	36.12	67.8
MOISTURE FREE	MOISTURE & ACID GAS FREE	PENTANES PLUS

CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15° C & 101.325 kPa MOISTURE FREE AS SAMPLED		
0.774 kg/m ³	0.632	18.3
DENSITY	RELATIVE DENSITY	RELATIVE MOLECULAR MASS

CALCULATED PSEUDOCRITICAL PROPERTIES			
AS SAMPLED	ACID GAS FREE		
4543.4 kPa (abs)	191.8 K	kPa (abs)	K
pPc	pTc	pPc	pTc

REMARKS

Note: The Gross Heating Value has been calculated in accordance to AGA Report #5 and all Properties have been calculated utilizing GPA 2145-88 physical constants.

DST SAMPLER DEPLETION,
OIL AND WATER ANALYSES

FOR

PETRO CANADA INC.

SWEDE

N.W.T.

File: 52136-90-338

Date: 90 03 06

**CORE
LABORATORIES**

WATER ANALYSIS

<u>Plastic</u> CONTAINER IDENTITY		<u>Petro-Canada Inc.</u> OPERATOR		<u>52136-90-338</u> LABORATORY NUMBER	
				<u>1 of 6</u> PAGE	
<u>PCI Swede E-02</u> LOCATION		<u>Pine Point</u> WELL OR SAMPLE LOCATION NAME		<u>810.10</u> <u>805.05</u> KB ELEV.(m) GR ELEV.(m)	
<u>Swede, N.W.T.</u> FIELD OR AREA		<u>Pine Point</u> POOL OR ZONE		<u>Schlumberger</u> SAMPLER	
<u>DST # 2</u> TEST TYPE & NO.		<u>780 metres of fluid</u> TEST RECOVERY			
<u>Mud Tank</u>		@ °C			
<u>POINT OF SAMPLE</u>		<u>AMT. & TYPE CUSHION</u>		<u>MUD RESISTIVITY</u>	
<u>PUMPING</u>		<u>FLOWING</u>		<u>GAS LIFT</u> <u>SWAB</u>	
<u>WATER</u> <u>m³/d</u>		<u>OIL</u> <u>m³/d</u>		<u>GAS</u> <u>m³/d</u>	
<u>TEST INTERVALS (metres)</u>					
<u>SEPARATOR</u> <u>RESERVOIR</u>		<u>CONTAINER WHEN SAMPLED</u> @ °C		<u>CONTAINER WHEN RECEIVED</u> @ °C	
				<u>SEPARATOR</u>	
<u>--- PRESSURES, kPa (gauge) ---</u>				<u>--- TEMPERATURES, °C ---</u>	
<u>90 02 20</u> DATE SAMPLED (Y/M/D)		<u>90 02 20</u> DATE RECEIVED (Y/M/D)		<u>90 03 01</u> DATE ANALYZED (Y/M/D)	
				<u>AM/MF</u> ANALYST	
				<u>REMARKS</u>	

CATIONS

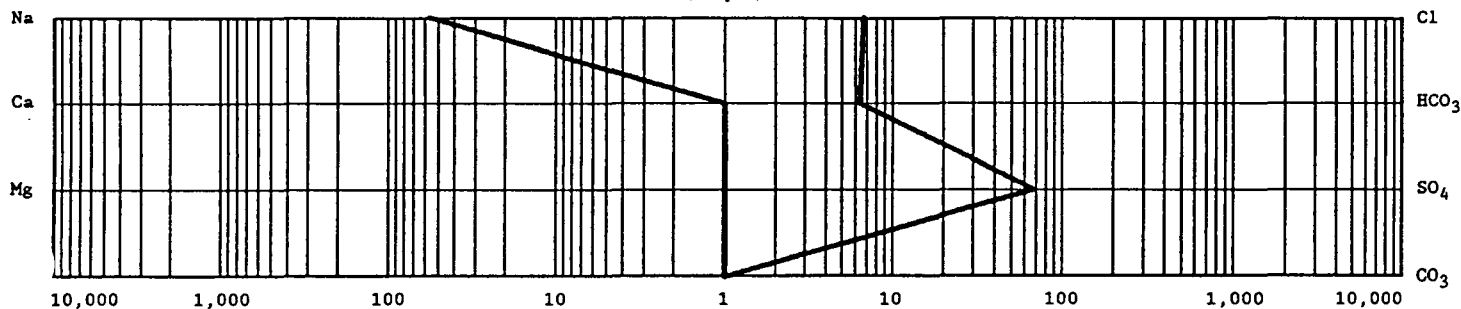
ANIONS

ION	mg/L	mg Fraction	MEQ/L	ION	mg/L	mg Fraction	MEQ/L
	1300	.2466	56.5	Cl	237	.0449	6.7
K	12	.0023	0.3	Br			
Ca	21	.0040	1.0	I			
Mg	0	.0000	0.0	HCO ₃	391	.0741	6.4
Ba				SO ₄	3276	.6214	68.2
Sr				CO ₃	36	.0068	1.2
Fe	Not Detected			OH	0	.0000	0.0
				H ₂ S	Not Detected		

TOTAL SOLIDS
(mg/L)

<u>BY EVAPORATION @ 110°C</u>	<u>BY EVAPORATION @ 180°C</u>
	<u>5272</u>
<u>AT IGNITION</u>	<u>CALCULATED</u>
<u>1.0012 @15.6°C</u> SPECIFIC GRAVITY	<u>1.3335 @25 °C</u> REFRACTIVE INDEX
<u>8.7</u> pH	<u>1.587 @25°C</u> RESISTIVITY(OHM-METRES)

LOGARITHMIC PATTERN OF DISSOLVED IONS
(meq/L)



REMARKS: NaCl equiv. 3357

**CORE
LABORATORIES**

WATER ANALYSIS

Plastic
CONTAINER IDENTITY ..

52136-90-338
LABORATORY NUMBER

Petro-Canada Inc.
OPERATOR

2 of 6
PAGE

PCI Swede E-02
LOCATION

810.10 805.05
KB ELEV. (m) GR ELEV. (m)

Swede, N.W.T.
FIELD OR AREA

Pine Point
WELL OR SAMPLE LOCATION NAME

Schlumberger
POOL OR ZONE

DST # 2
TEST TYPE & NO.

780 metres of fluid
TEST RECOVERY

Reversing - 6

POINT OF SAMPLE

AMT. & TYPE CUSHION

MUD RESISTIVITY @ °C

PUMPING FLOWING GAS LIFT SWAB

WATER m³/d OIL m³/d GAS m³/d

TEST INTERVALS (metres)

SEPARATOR RESERVOIR CONTAINER WHEN SAMPLED CONTAINER WHEN RECEIVED SEPARATOR

--- PRESSURES, kPa (gauge) ---

90 02 20 90 02 20 90 03 01 AM/MF

DATE SAMPLED (Y/M/D) DATE RECEIVED (Y/M/D) DATE ANALYZED (Y/M/D) ANALYST

REMARKS

CATIONS

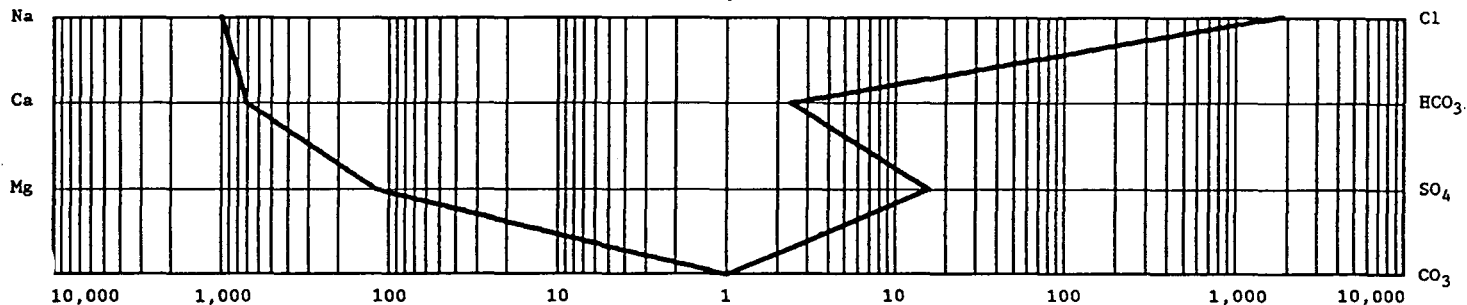
ANIONS

ION	mg/L	mg Fraction	MEQ/L	ION	mg/L	mg Fraction	MEQ/L
	23000	.2158	1000.4	Cl	66202	.6211	1867.3
K	910	.0085	23.3	Br			
Ca	14135	.1326	705.4	I			
Mg	1447	.0136	119.0	HCO ₃	145	.0014	2.4
Ba				SO ₄	755	.0071	15.7
Sr				CO ₃	0	.0000	0.0
Fe	Present			OH	0	.0000	0.0
				H ₂ S	Not Detected		

TOTAL SOLIDS
(mg/L)

BY EVAPORATION @ 110°C	BY EVAPORATION @ 180°C
	106593
AT IGNITION	CALCULATED
1.0790 @15.6°C	1.3530 @25 °C
SPECIFIC GRAVITY	REFRACTIVE INDEX
5.7	0.071 @25°C
pH	RESISTIVITY(OHM-METRES)

LOGARITHMIC PATTERN OF DISSOLVED IONS
(meq/L)



REMARKS: NaCl equiv. 106850

**CORE
LABORATORIES**

DST SAMPLER DEPLETION

BHS CONTAINER IDENTITY		Petro-Canada Inc.		52136-90-338 LABORATORY NUMBER	
		OPERATOR		3 of 6 PAGE	
LOCATION		WELL OR SAMPLE LOCATION NAME		810.10 805.05 KB ELEV. (m) GR ELEV. (m)	
Swede, N.W.T.		PCI Swede E-02		Schlumberger	
FIELD OR AREA		POOL OR ZONE		SAMPLER	
DST # 2		780 metres of fluid			
TEST TYPE & NO.		TEST RECOVERY			
Bottomhole				@ °C	
		POINT OF SAMPLE		MUD RESISTIVITY	
		PUMPING FLOWING		SWAB	
		WATER m ³ /d OIL m ³ /d GAS m ³ /d			
TEST INTERVALS (metres)					
SEPARATOR		RESERVOIR		SEPARATOR	
		CONTAINER WHEN SAMPLED		CONTAINER WHEN RECEIVED	
		@ °C		@ °C	
-----		PRESSURES, kPa (gauge)-----		TEMPERATURES, °C-----	
90 02 20		90 02 20		90 02 20	
DATE SAMPLED (Y/M/D)		DATE RECEIVED (Y/M/D)		DATE ANALYZED (Y/M/D)	
				MD	
				ANALYST	
				REMARKS	

DST SAMPLER DEPLETION

The following data was compiled from the Drill Stem Test

Sampler chamber identification number 1208

The opening pressure of this tool was 69 kPa @ 22 Degrees C.

The recovery was determined as being:

200mls cc of Hydrocarbon Liquid

0 cc of Water

0 cc of Drilling Mud

0 Gas Sample(s)

**CORE
LABORATORIES**

WATER ANALYSIS

<u>Plastic</u> CONTAINER IDENTITY		<u>52136-90-338</u> LABORATORY NUMBER	
<u>Petro-Canada Inc.</u> OPERATOR		<u>4 of 6</u> PAGE	
<u>PCI Swede E-02</u> LOCATION	<u>Pine Point</u> WELL OR SAMPLE LOCATION NAME	<u>810.10</u> KB ELEV. (m)	<u>805.05</u> GR ELEV. (m)
<u>Swede, N.W.T.</u> FIELD OR AREA	<u>Pine Point</u> POOL OR ZONE	<u>Schlumberger</u> SAMPLER	
<u>DST # 2</u> TEST TYPE & NO.	<u>780 metres of fluid</u> TEST RECOVERY		
<u>Bottomhole Sampler</u>			
<u>POINT OF SAMPLE</u>		<u>AMT. & TYPE CUSHION</u>	<u>MUD RESISTIVITY</u>
<u>PUMPING</u>	<u>FLOWING</u>	<u>GAS LIFT</u>	<u>SWAB</u>
<u>WATER</u>	<u>m³/d</u>	<u>OIL</u>	<u>m³/d</u>
<u>GAS</u>	<u>m³/d</u>	<u>GAS</u>	<u>m³/d</u>
<u>TEST INTERVALS (metres)</u>			
<u>SEPARATOR</u>	<u>RESERVOIR</u>	<u>CONTAINER WHEN SAMPLED</u>	<u>CONTAINER WHEN RECEIVED</u>
<u>90 02 20</u>		<u>90 02 20</u>	<u>90 03 01</u>
<u>DATE SAMPLED (Y/M/D)</u>		<u>DATE RECEIVED (Y/M/D)</u>	<u>DATE ANALYZED (Y/M/D)</u>
		<u>AM/MF</u>	<u>REMARKS</u>
		<u>ANALYST</u>	

CATIONS

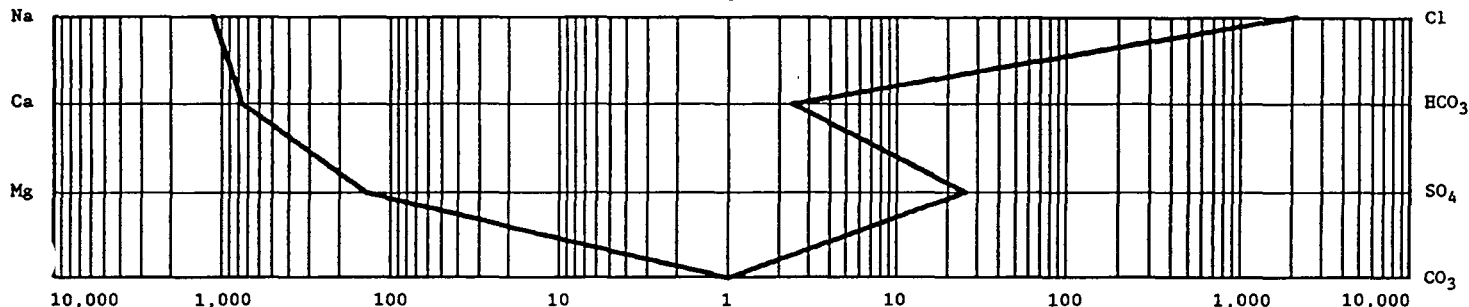
ANIONS

ION	mg/L	mg Fraction	MEQ/L	ION	mg/L	mg Fraction	MEQ/L
	26000	.2162	1130.9	Cl	75082	.6244	2117.8
K	1000	.0083	25.6	Br			
Ca	15114	.1257	754.2	I			
Mg	1691	.0141	139.1	HCO ₃	146	.0012	2.4
Ba				SO ₄	1215	.0101	25.3
Sr				CO ₃	0	.0000	0.0
Fe	Present			OH	0	.0000	0.0
				H ₂ S	Not Detected		

TOTAL SOLIDS
(mg/L)

<u>BY EVAPORATION @ 110°C</u>	<u>BY EVAPORATION @ 180°C</u>
	<u>120248</u>
<u>AT IGNITION</u>	<u>CALCULATED</u>
<u>1.0900 @15.6°C</u>	<u>1.3558 @25 °C</u>
<u>SPECIFIC GRAVITY</u>	<u>REFRACTIVE INDEX</u>
<u>5.5</u>	<u>0.070 @25°C</u>
<u>pH</u>	<u>RESISTIVITY(OHM-METRES)</u>

LOGARITHMIC PATTERN OF DISSOLVED IONS
(meq/L)

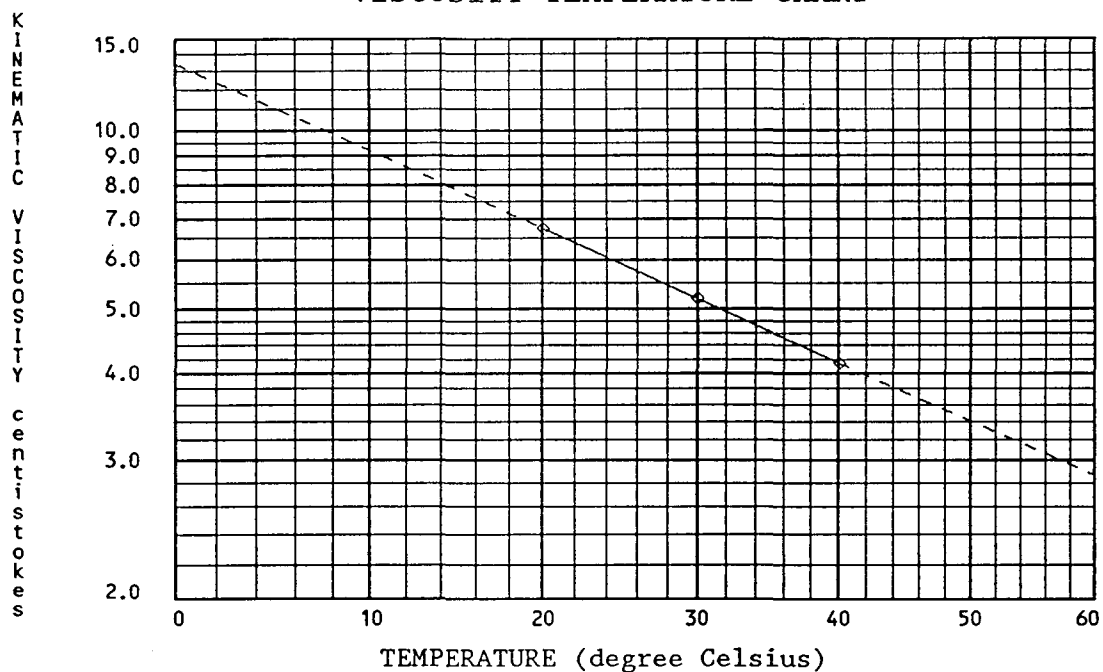


REMARKS: NaCl equiv. 120469

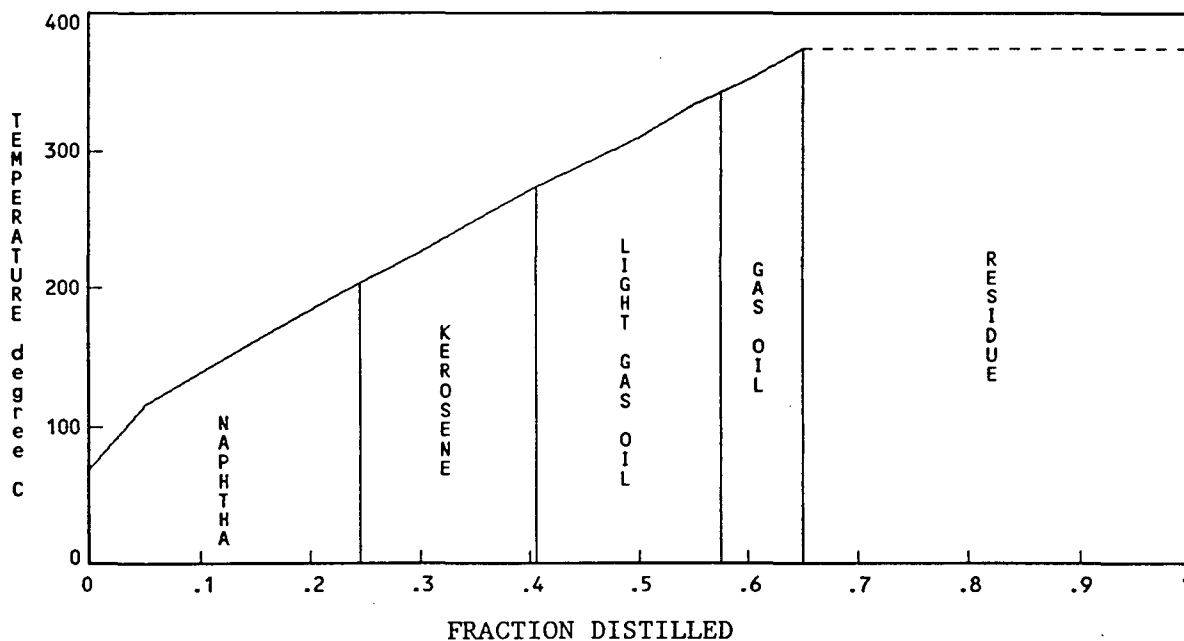
The sample contained 32.5% oil and 67.5% free water.

Company Name : Petro-Canada Inc.
Well Name : PCI Swede E-02
Location :
Sampled from : Bottomhole Sampler
Sampling Date: 90 02 20

VISCOSITY-TEMPERATURE CHART



ASTM DISTILLATION SUMMARY



DST SAMPLER DEPLETION,
OIL AND WATER ANALYSES

FOR

PETRO CANADA INC.

SWEDE

N.W.T.

File: 52136-90-338

Date: 90 03 06

CORE LABORATORIES

REMARKS: NaCl equiv. 3357

**CORE
LABORATORIES**

WATER ANALYSIS

Plastic
CONTAINER IDENTITY

Petro-Canada Inc.
OPERATOR

PCI Swede E-02
LOCATION

Swede, N.W.T.
FIELD OR AREA

DST # 2
TEST TYPE & NO.

Reversing - 6

780 metres of fluid
TEST RECOVERY

Pine Point
WELL OR SAMPLE LOCATION NAME

Schlumberger
SAMPLER

52136-90-338
LABORATORY NUMBER

2 of 6
PAGE

810.10
KB ELEV. (m)

805.05
GR ELEV. (m)

POINT OF SAMPLE

PUMPING

FLOWING

AMT. & TYPE CUSHION

GAS LIFT

MUD RESISTIVITY

SWAB

WATER

m³/d

OIL

m³/d

GAS

m³/d

TEST INTERVALS (metres)

SEPARATOR

RESERVOIR

CONTAINER WHEN SAMPLED

CONTAINER WHEN RECEIVED

SEPARATOR

— PRESSURES, kPa (gauge) —

— TEMPERATURES, °C —

90 02 20
DATE SAMPLED (Y/M/D)

90 02 20
DATE RECEIVED (Y/M/D)

90 03 01
DATE ANALYZED (Y/M/D)

AM/MF
ANALYST

REMARKS

CATIONS

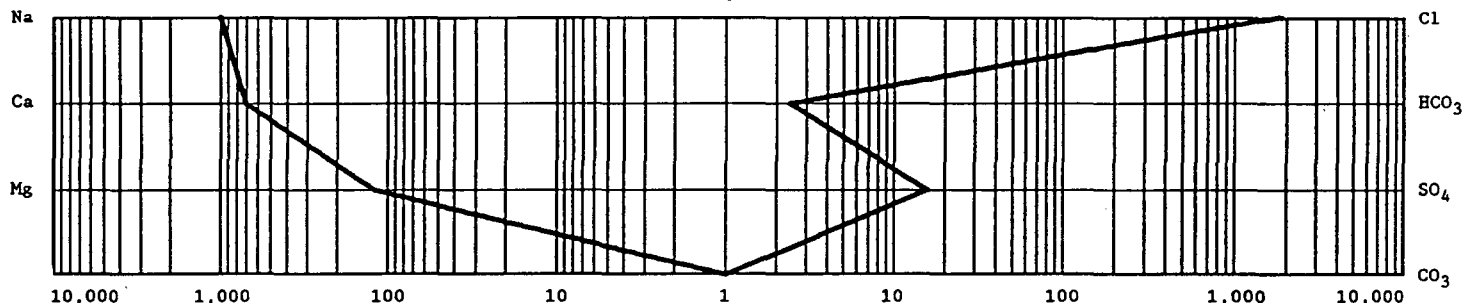
ANIONS

ION	mg/L	mg Fraction	MEQ/L	ION	mg/L	mg Fraction	MEQ/L
	23000	.2158	1000.4	Cl	66202	.6211	1867.3
K	910	.0085	23.3	Br			
Ca	14135	.1326	705.4	I			
Mg	1447	.0136	119.0	HCO ₃	145	.0014	2.4
Ba				SO ₄	755	.0071	15.7
Sr				CO ₃	0	.0000	0.0
Fe	Present			OH	0	.0000	0.0
				H ₂ S	Not Detected		

TOTAL SOLIDS
(mg/L)

BY EVAPORATION @ 110°C	BY EVAPORATION @ 180°C
	106593
AT IGNITION	CALCULATED
1.0790 @15.6°C	1.3530 @25 °C
SPECIFIC GRAVITY	REFRACTIVE INDEX
5.7	0.071 @25°C
pH	RESISTIVITY(OHM-METRES)

LOGARITHMIC PATTERN OF DISSOLVED IONS
(meq/L)



REMARKS: NaCl equiv. 106850

**CORE
LABORATORIES**

DST SAMPLER DEPLETION

BHS CONTAINER IDENTITY		Petro-Canada Inc. OPERATOR		52136-90-338 LABORATORY NUMBER	
		PCI Swede E-02		3 of 6 PAGE	
LOCATION		WELL OR SAMPLE LOCATION NAME		810.10 805.05 KB ELEV. (m) GR ELEV. (m)	
Swede, N.W.T.		Pine Point		Schlumberger	
FIELD OR AREA		POOL OR ZONE		SAMPLER	
DST # 2		780 metres of fluid			
TEST TYPE & NO.		TEST RECOVERY			
Bottomhole				@ °C	
POINT OF SAMPLE		AMT. & TYPE CUSHION		MUD RESISTIVITY	
PUMPING		FLOWING		SWAB	
WATER		OIL		GAS	
TEST INTERVALS (metres)		m ³ /d		m ³ /d	
SEPARATOR		RESERVOIR		CONTAINER WHEN SAMPLED	
90 02 20		90 02 20		90 02 20	
DATE SAMPLED (Y/M/D)		DATE RECEIVED (Y/M/D)		DATE ANALYZED (Y/M/D)	
				MD	
				ANALYST	
				REMARKS	

DST SAMPLER DEPLETION

The following data was compiled from the Drill Stem Test

Sampler chamber identification number 1208

The opening pressure of this tool was 69 kPa @ 22 Degrees C.

The recovery was determined as being:

200mls cc of Hydrocarbon Liquid

0 cc of Water

0 cc of Drilling Mud

0 Gas Sample(s)

**CORE
LABORATORIES**

WATER ANALYSIS

Plastic
CONTAINER IDENTITY

52136-90-338
LABORATORY NUMBER

Petro-Canada Inc.
OPERATOR

4 of 6
PAGE

PCI Swede E-02
LOCATION

810.10 805.05
KB ELEV.(m) GR ELEV.(m)

Swede, N.W.T.
FIELD OR AREA

Pine Point
WELL OR SAMPLE LOCATION NAME

Schlumberger
SAMPLER

DST # 2 780 metres of fluid
TEST TYPE & NO.

Bottomhole Sampler
TEST RECOVERY

POINT OF SAMPLE

PUMPING FLOWING

AMT. & TYPE CUSHION MUD RESISTIVITY @ °C

GAS LIFT SWAB

WATER m³/d OIL m³/d GAS m³/d

TEST INTERVALS (metres)

SEPARATOR RESERVOIR CONTAINER WHEN SAMPLED CONTAINER WHEN RECEIVED SEPARATOR

--- PRESSURES, kPa (gauge) --- TEMPERATURES, °C ---

90 02 20 90 02 20 90 03 01 AM/MF
DATE SAMPLED (Y/M/D) DATE RECEIVED (Y/M/D) DATE ANALYZED (Y/M/D) ANALYST

REMARKS

CATIONS

ANIONS

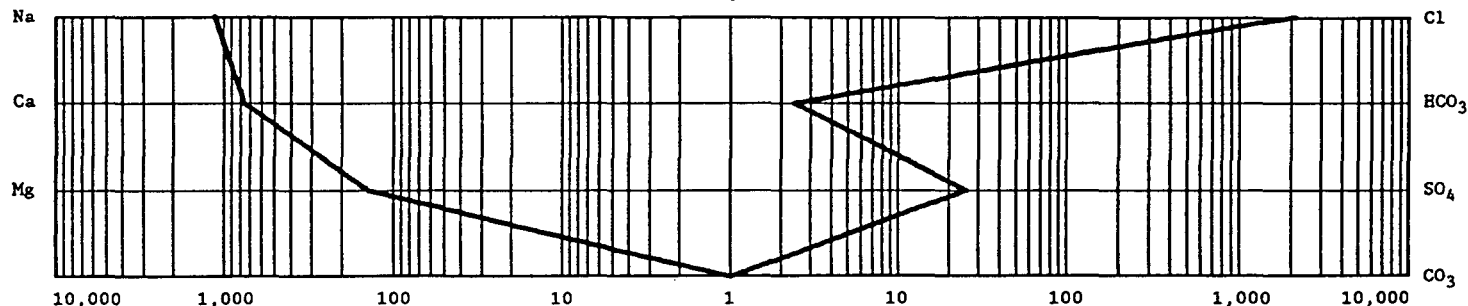
ION	mg/L	mg Fraction	MEQ/L
	26000	.2162	1130.9
K	1000	.0083	25.6
Ca	15114	.1257	754.2
Mg	1691	.0141	139.1
Ba			
Sr			
Fe	Present		

ION	mg/L	mg Fraction	MEQ/L
Cl	75082	.6244	2117.8
Br			
I			
HCO ₃	146	.0012	2.4
SO ₄	1215	.0101	25.3
CO ₃	0	.0000	0.0
OH	0	.0000	0.0
H ₂ S	Not Detected		

TOTAL SOLIDS
(mg/L)

BY EVAPORATION @ 110°C	BY EVAPORATION @ 180°C
	120248
AT IGNITION	CALCULATED
1.0900 @15.6°C SPECIFIC GRAVITY	1.3558 @25 °C REFRACTIVE INDEX
5.5 pH	0.070 @25°C RESISTIVITY(OHM-METRES)

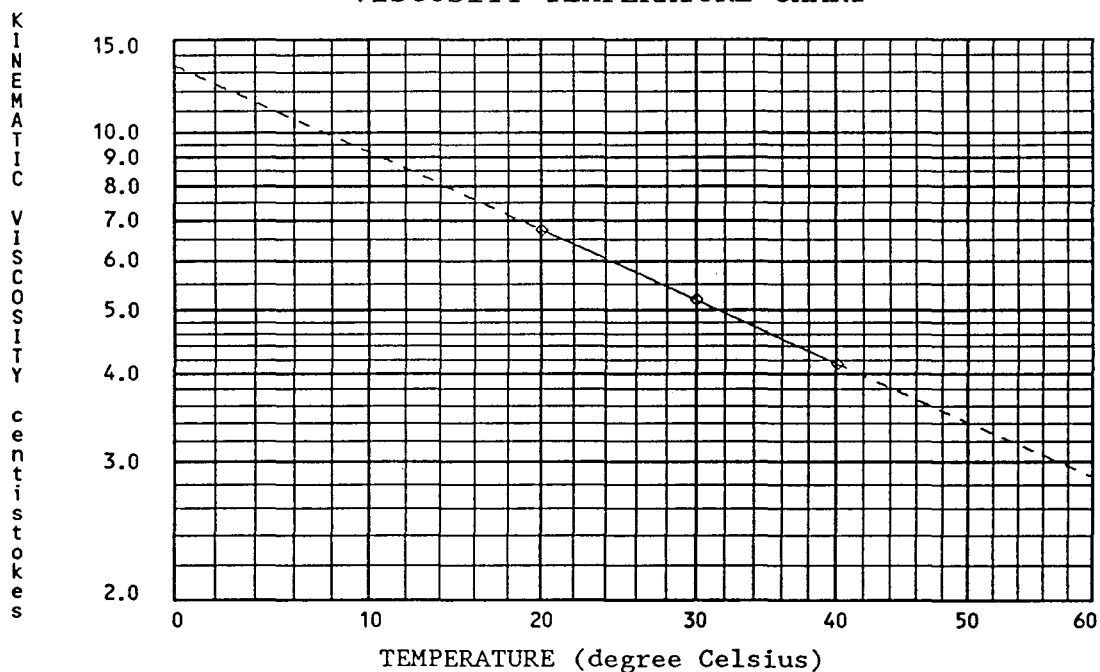
LOGARITHMIC PATTERN OF DISSOLVED IONS
(meq/L)



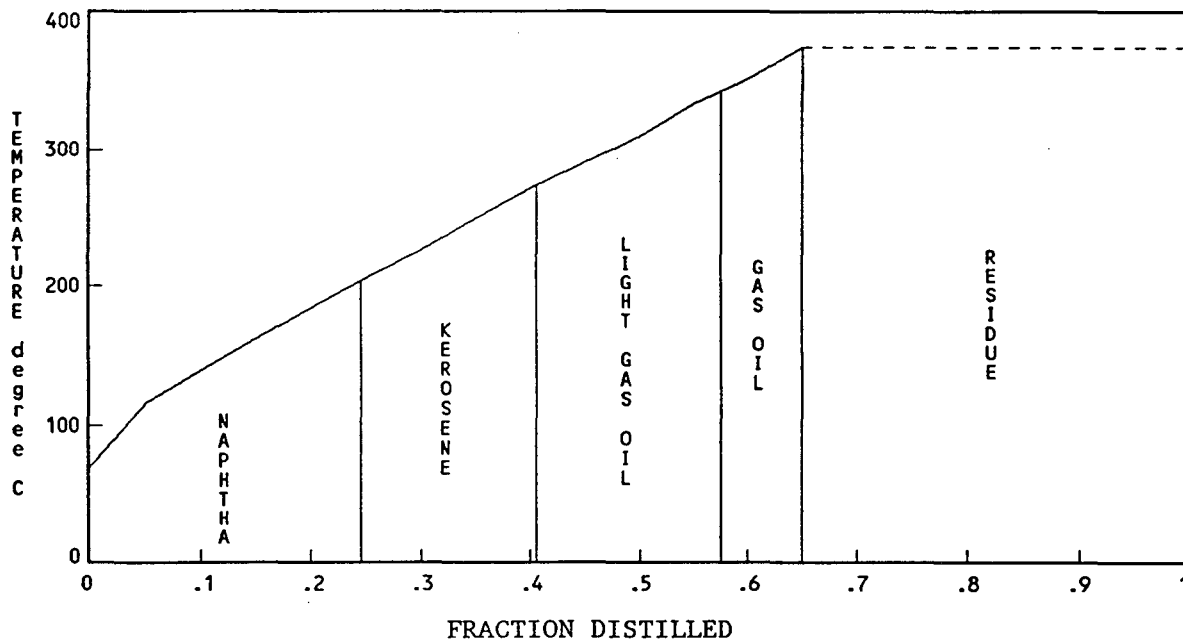
REMARKS: NaCl equiv. 120469

Company Name : Petro-Canada Inc.
Well Name : PCI Swede E-02
Location :
Sampled from : Bottomhole Sampler
Sampling Date: 90 02 20

VISCOSITY-TEMPERATURE CHART



ASTM DISTILLATION SUMMARY



C) LOG ANALYSIS

Petro-Canada
Note de service
Internal memorandum

To / À: F. Calverley CC: J. Bever
L. Cotterill
D.A. McDonald

From / De: R. VanAppelen

Date / Date: February 12, 1990 Ref. / Réf.:

Subject / Objet: Formation Evaluation, Swede E-02

Logs were received and evaluated February 11, 1990. Zones of interest were the Cretaceous sand, the Devonian Slave Point and Keg River.

CRETACEOUS SAND Rw = 0.2

<u>Interval</u>	<u>h(m)</u>	<u>Phie</u>	<u>RILD</u>	<u>Rwa</u>	<u>Sw</u>	<u>Comments</u>
565-67	2.0	.30	3	.34	0.78	Had gas shows

SLAVE POINT Rw = 0.036

1372.8-73.8	1.0	.035	100+	.12	0.54	Tested gas DST No. 1
-------------	-----	------	------	-----	------	-------------------------

KEG RIVER Rw = 0.03

1463-72	1.0	<.03	--	--	--	Three thin porous zones with associated gas increases. Could not be resolved by logs.
1481.8-83	1.2	.11	11	.13	0.48	Looked water- productive but had gas shows. Had ML develop- ment.

Recommended testing 1477-1487m to produce fluids from porous Keg River. Many produce hydrocarbons (with water) to support SDA application.



R. VanAppelen
RVA/mln



OPERATOR PETRO-CANADA 13

WELL PCT SWEET C-02

LOGGING WITHSUGBY

BIT 10 1/4

LOG NO. 1000000000

DATE 1980.04.14

TIME 14.00

LOG TYPE WELL LOG

LOG NO. 1000000000

DATE 1980.04.14

TIME 14.00

LOG TYPE WELL LOG

STATE OF NEW YORK DEPT. OF ENVIRONMENTAL CONSERVATION
LOCATION Led Sec Top Page _____
Lot E. 60° 11' 28.029 _____ W.
Long W. 112° 51' 25.727 _____
ELEVATION F.S. 810.05 ft. _____
DATE SPOOLED 8/15/90 _____
SCALE 1:250 _____
TECHNICIANS D. POLTRAS/S. WHEELER _____

ENGINEERING LEGEND

| C | CORN AGRICULTURE
| Y | OPEN MEADOWS
| B | BUSHES AND TREES

DATE _____

REF : _____

① DPM

② WATER

③ TOL

④ _____

PERCENT LIME	WATER	DESCRIPTION
50		

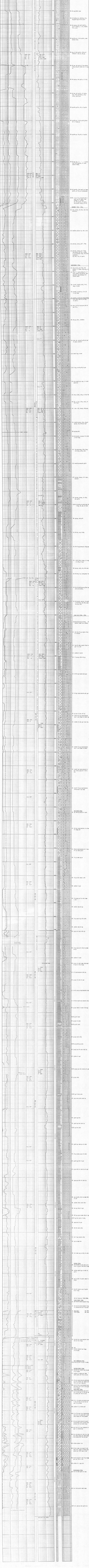

 SURFACE CASING SHOE @ 416m.

58: lt gʁ, sl slty, tr pye, tr dʁ
gy sb, sl cale

58: dʁ gy, /abot vɛʁs

55: clr-pok, n gr, subnd, p nrt,
sh, gy-dk gy, l nic pyric

58: dk gy-gy, nic pyric-pyric,
/us as above, p nrt, highly
fri, g par



SAMPLE LOG

LOCATION					
COORDINATES	N. 60° 11' 26.029"		W. 117° 31' 24.727"		
ELEVATION	Ground: 805.0 m		K.B.: 810.1 m		
AREA	Cameron Hills				
PROVINCE	N.W.T.				
NAME OF OPERATOR PePro-Canada Inc.					
DRILLING CONTRACTOR H1 Tower Drilling, Rig #2					
SUDDIED	90/01/19	15:00 h			
COMPLETED DRILLING	90/02/10	09:35 h			
RIG RELEASED	90/02/17	23:59 h			
TOTAL DEPTH	Driller: 1527 m			Logger: 1524.8 m	
STATUS	D&A				

[illegible]

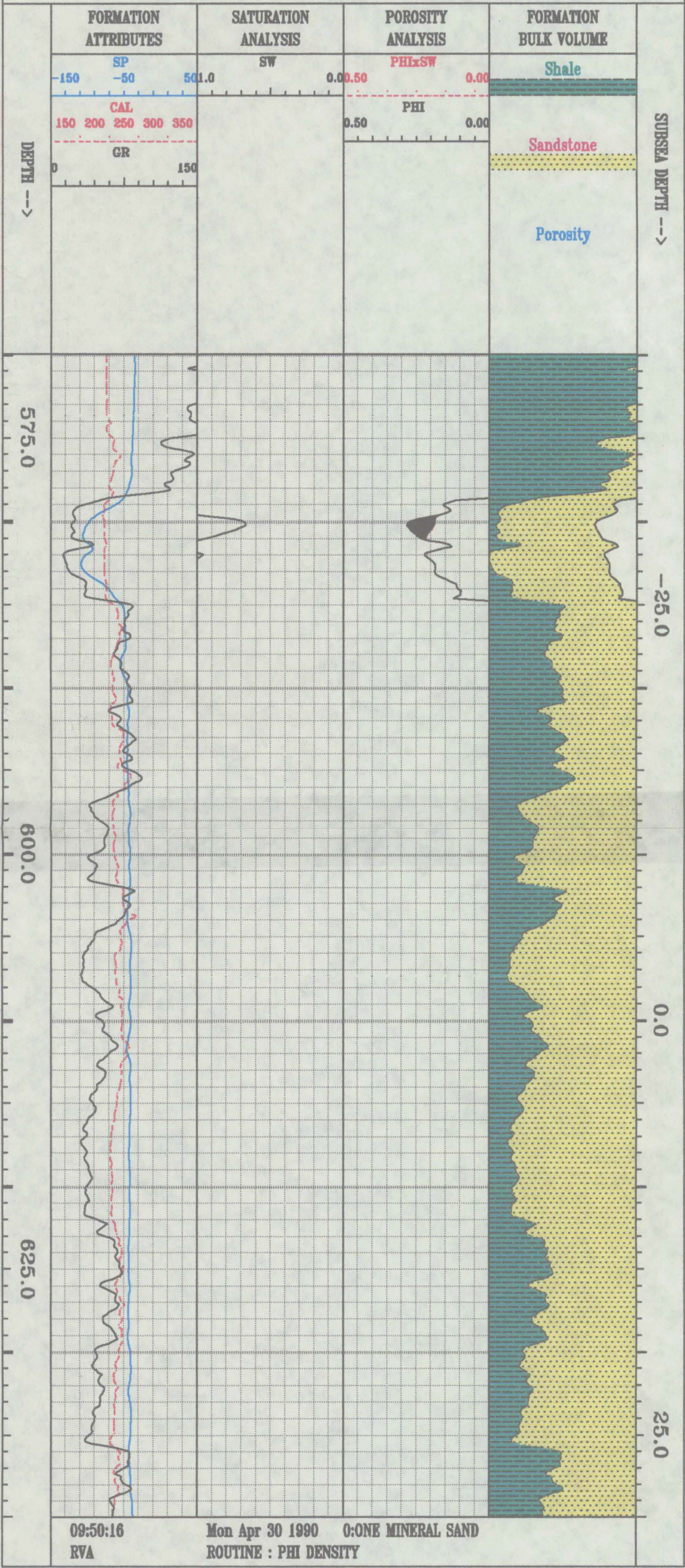
PETRO CANADA

PETROLOG

PCI

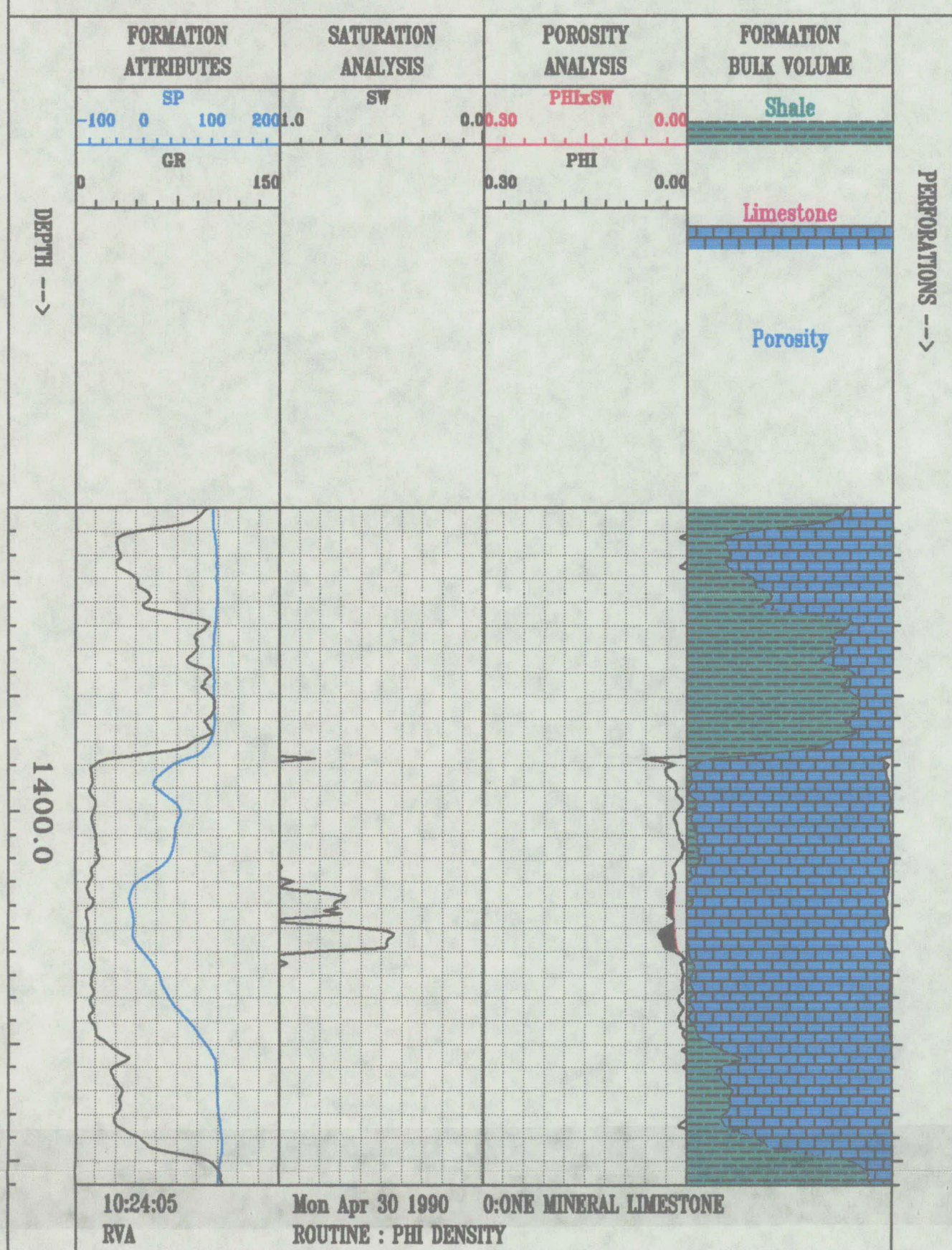
WELL: 300N456010120450
LOCATION: 60 4'58.62"N 120 53'34.34"
DEPTH: 570.0000 - 640.0000

DATE LOGGED: 7 MAR 90



PCI

DATE LOGGED: 7 MAR 90

[illegible]

[Faint handwritten notes at the bottom of the page]

DATABASE = /best/database/DICK.db

Mode record = 300N456010120450

Username = RVA

time dumped = Mon Apr 30 10:48:59 1990

type = CONSTANTS

name = JEAN MARIE

CONSTANTS

VALUES

A	1
CALIM	225
CLIP_PHI	0.2
GR0	10
GR100	120
M	2
MWT	1100
N	2
PESH	3.5
PHIMAX	0.3
PHINO	0
PHINMA	0
PHINSH	0.33
PHIXSW	0.06
RHOF	1000
RHOHY	800
RHOLIM	100
RHOMA	2710
RHOSH	2607
RHOW	1000
RW	0.03
RWT	59
VSEMAX	0.2

DATABASE = /best/database/DICK.db
Mode record = 300N456010120450
Username = RVA

time dumped = Mon Apr 30 10:49:35 1990

type = ROUTINES

name = PHI DENSITY

<u>ALGORITHM NAME</u>	<u>SWITCH VAL</u> <u>UE OR VARI</u>	<u>PUT</u> <u>RESULT IN</u>	<u>C</u>
/START	ON	ALWAYS ON DOES HOUSEKEEPING	
/VSH GR	ON	GR SHALE	
/VSH SP	OFF	SP SHALE	
/VSH XSD	OFF	SONIC-DENSITY VSH	
/VSH XND	OFF	NEUTRON-DENSITY VSH	
/VSHBAL	ON	MATERIALS BALANCE EQUATION	
/VSH CLAVIER CORR	OFF	CLAVIER CORRECTION	
/DENS	OFF	calculates density from phi	
/DENS C	ON	SHALE CORRECTED DENS	
/PHINC	ON	SHALE CORRECT NEUTRON	
/PHIXND	ON	NEUTRON DENSITY POROSITY	
/CLIP PHI	ON	VSH cutoff for porosity	
/FIND BADHOLE FROM CAL	ON	FIND WASHOUTS, HIGH DRHO	
/IF BADHOLE ZERO PHI	ON	SET PHI=0 IN BAD HOLE	
/PHIBAL	ON	MATERIALS BALANCE FOR PHI	
/RW@FT	ON	RW AT FORMATION TEMPERATURE	
/SW ARCHIE	ON	ARCHIE WATER SATURATION	
/SW SIM	OFF	SIMANDOUX WATER SATURATION	
/SW DW	OFF	DUAL WATER SW	
/SW WAX-SMITH	OFF	WAXMAN SMITS WATER SATURATI	
/SWSMTH	ON	SW BALANCE AND SMOOTHING	
/PHIXSW	ON		
/RMF@FT	OFF	RMF AT FORMATION TEMPERATUR	
/SXO ARCHIE	OFF	SXO FROM ARCHIE	
/SXO SIM	OFF	SXO FROM SIMANDOUX	
/SXO WAX-SMITH	OFF	SXO FROM WAXMAN SMITS	
/SXOSMTH	OFF	SXO BALANCE AND SMOOTHING	
/PHIXSXO	OFF		
/PERM CORE	OFF	PERMEABILITY FROM POROSITY	

PETROLOG HYDROCARBON SUMMARY

PAGE : 1

WELL :300N456010120450
 LOCATION:60 4'58.62"N 120 53'34.34"
 POOL :ISLAND LAKE
 FORMATION :JEAN MARIE

DATE :Mon Apr 30 1990
 USER :RVA

TOP DEPTH: 1387.0000

BOTTOM DEPTH: 1416.0000

CUTOFFS USED:

AVERAGE:

CUMULATIVE :

POROS (frc)	WATER SAT f	SHALE VOL f		NET METRES		POROSITY fraction	WATER SAT fraction	SHALE VOL fraction		POROSITY X METRES	HYDROCARB X METRES
0.100	1.000	0.300		0.00		0.000	0.000	0.000		0.000	0.000
0.020	0.600	0.200		0.88		0.037	0.467	0.002		0.033	0.017
0.020	1.000	0.200		3.63		0.031	0.736	0.014		0.112	0.030
0.030	0.500	0.200		0.88		0.037	0.467	0.002		0.033	0.017

DATABASE = /best/database/DICK.db

Mode record = 300N456010120450

Username = RVA

time dumped = Mon Apr 30 09:08:58 1990

type = CONSTANTS

name = MISSISSIPPIAN

CONSTANTS

VALUES

A	1
CALIM	225
CLIP_PHI	0.3
GRO	15
GR100	150
M	2
MWT	1100
N	2
PESH	3.5
PHIMAX	0.3
PHINO	0
PHINMA	0
PHINSH	0.4
PHIXSW	0.06
RHOF	1000
RHOHY	800
RHOLIM	100
RHOMA	2650
RHOSE	2200
RHOW	1000
RW	0.4
RWT	15
VSEMAX	0.3

DATABASE = /best/database/DICK.db

Mode record = 300N456010120450

Username = RVA

time dumped = Mon Apr 30 09:09:31 1990

type = ROUTINES

name = PHI DENSITY

<u>ALGORITHM NAME</u>	<u>SWITCH VAL</u> <u>UE OR VARI</u>	<u>PUT</u> <u>RESULT IN</u>	<u>C</u>
/START	ON	ALWAYS ON DOES HOUSEKEEPING	
/VSH GR	ON	GR SHALE	
/VSH SP	OFF	SP SHALE	
/VSH XSD	OFF	SONIC-DENSITY VSH	
/VSH XND	OFF	NEUTRON-DENSITY VSH	
/VSHBAL	ON	MATERIALS BALANCE EQUATION	
/VSH CLAVIER CORR	OFF	CLAVIER CORRECTION	
/DENS	OFF	calculates density from phi	
/DENSC	ON	SHALE CORRECTED DENS	
/PHINC	ON	SHALE CORRECT NEUTRON	
/PHIXND	ON	NEUTRON DENSITY POROSITY	
/CLIP PHI	ON	VSH cutoff for porosity	
/FIND BADHOLE FROM CAL	ON	FIND WASHOUTS, HIGH DRHO	
/IF BADHOLE ZERO PHI	ON	SET PHI=0 IN BAD HOLE	
/PHIBAL	ON	MATERIALS BALANCE FOR PHI	
/RW@FT	ON	RW AT FORMATION TEMPERATURE	
/SW ARCHIE	ON	ARCHIE WATER SATURATION	
/SW SIM	OFF	SIMANDOUX WATER SATURATION	
/SW DW	OFF	DUAL WATER SW	
/SW WAX-SMITH	OFF	WAXMAN SMITS WATER SATURATI	
/SWSMTH	ON	SW BALANCE AND SMOOTHING	
/PHIXSW	ON		
/RMF@FT	OFF	RMF AT FORMATION TEMPERATUR	
/SXO ARCHIE	OFF	SXO FROM ARCHIE	
/SXO SIM	OFF	SXO FROM SIMANDOUX	
/SXO WAX-SMITH	OFF	SXO FROM WAXMAN SMITS	
/SXOSMTH	OFF	SXO BALANCE AND SMOOTHING	
/PHIXSXO	OFF		
/PERM CORE	OFF	PERMEABILITY FROM POROSITY	

PETROLOG HYDROCARBON SUMMARY

PAGE : 1

WELL :300N456010120450
 LOCATION:60 4'58.62"N 120 53'34.34"
 POOL :ISLAND LAKE
 FORMATION :SANDSTONE

DATE :Mon Apr 30 1990
 USER :RVA

TOP DEPTH: 570.0000

BOTTOM DEPTH: 640.0000

CUTOFFS USED:

AVERAGE:

CUMULATIVE :

POROS (frc)	WATER SAT f	SHALE VOL f		NET METRES		POROSITY fraction	WATER SAT fraction	SHALE VOL fraction		POROSITY X METRES	HYDROCARB X METRES
0.100	1.000	0.300		5.63		0.185	0.920	0.086		1.039	0.083
0.100	0.600	0.300		0.00		0.000	0.000	0.000		0.000	0.000