

PACIFIC
WEST COAST
JUDILE
0-41

Drilling Authority No. 269
Date Issued 24 June 1967

WELL NAME Pacific Westcoast Jubilee 0-41
FIELD Widdow
LOCATION: Unit 0
Latitude 65-30-45
Section 41
Longitude 127-33-00
From Established Reference Marker

U W 12 65 51253 - 127 63312
U W 12 65 3000 416540 127300

Rig Release Date: August 20, 1967
Status D. A.
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
24 June 67	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
5 Sept 67	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
Nov 7/67	Well History Supplement. Well Completion Data. Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report Logs. Large scale Small scale

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fracing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
8-20-67	1415'	1060'	Felt at 1060' 35 Sox + Cement returns to SFC 40 sox + 1/2 sox CaCl	1415'	1060'	0					
8-21-67	365										

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.R.H.P.	F.S.I.B.H.P.	L.F.B.H.P.	F.F.R.H.P.	L.H.P.	F.H.P.	REMARKS
.														

ANALYSIS				PRESENT STATUS OF WELL			
Lab. No.	Sample	From	To	Source	Remarks	Oil	(Interval)
E67-2908X-2A	Water	1415'	-	Kee Scarp			
						Gas	(Interval)
						Dry	Abandoned
						Susp.	

Company Pacific Petroleum Ltd.

Signed by *[Signature]* Manager of Production

Title

Date November 7th, 1967

Forms to be prepared in duplicate and forwarded to the Oil Conservation Engineer, Calgary, Alberta.



File No.
Drilling Authority No. 269

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well or Suspend Drilling

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to abandon, to suspend drilling:—

Name and number of well Pacific Westcoast Judile 0-41
Location: Unit 0 Section 41 Grid 127° 30' 465° 40' N
Latitude 65° 30' 45' N Longitude 127° 38' 00' W
From Established Reference Marker 1.8 M NW of Top, Judile #1
Universal Well Location Reference Lat. 65.51253° N Long 127.63333° W
Permit No. 1226 4302 Lease No. Pacific Petroleum Ltd.
(Permitter, Licensee, Lessee)

Date of commencement of proposed program August 21, 1967

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at Nil
Gas at Nil
Water at 1398-1415 at 500 gallons per minute
Total Depth 1415 Date of last operations August 22, 1966
Present condition of well Abandoned as per verbal approval by Mr. Thoms of the
Dept. of Indian Affairs and Northern Development

CASING RECORD

Casing Size O.D. inches	Weight	Amount	Set At	Sacks of Cement and Additives	Amount Pulled
1. 5 1/2	14 1/2	162'	162'	10 1/2 sacks	nil
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	1415' 1060	Kee Scarp and Canal	35 sacks	Felt plug at 1060
2	350 surface	Cretaceous	46 sacks	Returns to surface
Verbal approval was obtained from Mr. Thoms of the Department of Indian Affairs and Northern Development to abandon well.				

The following logs have been run electric log TD to sfc. csg
Other operations proposed well abandoned

Operations to be carried out by Tri City Drilling Co. Contractor Licence No. 18253
Address 14305 120 Avenue Edmonton Address Edmonton Alberta
Responsible Agent in field W. W. McLaughlin
Dated at Calgary this 1st Day of September 19 67
Signed by Manager of Production Company Pacific Petroleum Ltd.
Title Operator's Exploratory Licence No. 1081

Note:—The Oil Conservation Engineer's office must be notified before work is commenced.

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:

Confirm oral approval given by Mr. R.H.J. Thoms on the
18th August 1967.

Dated 5th September 19 67

B.H. Thoms
Oil Conservation Engineer

Forms to be submitted in triplicate to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill—

Name and number of well **Pacific Westcoast Jubile 0-41**
 Location: Upr. **Section 41** **Grid 127° 30' 00" W. 65° 30' 45" N.**
Long. 127° 30' 00" W. Latitude 65° 30' 45" N.
 From Established Reference Marker **1.0 M NW of Lap Jubile #1**
 Universal Well Location Reference **Lat. 65.51255° N. Long. 127.63333° W.**
542 (EST)
 Elevation: Ground **K.B. 300** feet above sea level.
 Well is expected to produce from **Kou Scarp Reef** formation at a depth
 of about **1500** feet. Expected total final depth **2500**
 Area assigned to well
 (For Oil Conservation Engineer's use only)

Permit No. **430** Lease No. **Pacific Petroleum Ltd.** Acreage **20,000**
 Permittee, licensee, or lessee
 Exploratory Licence No. **10-1**
 Surface owned by Crown or **Crown**
 (If alienated submit name and address of owner and acreage)
 Petroleum and natural gas rights owned by **Crown**

We propose to use the following strings of casing, either cementing or landing them as indicated below:—

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Ends of Cement
1. 7 1/2	14	J-55	New	150	To Surface
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment
Potential oil and gas horizons are the Kou Scarp Reef and Main Reef.
Control will be with water gel and double steel sniffer.

Well will be drilled with Rotary Rig No. **5** by **Tri-City Drilling Co.**
 (Drilling Contractor or company)

Responsible agent of applicant:— **W. W. McLaughlin** Contractor's business licence No. **2132**
 At well **Financial Bldg., Edmonton** At registered office **Pacific Bldg., Calgary**
 Address **Financial Bldg., Edmonton** Address **Pacific Bldg., Calgary**
 It is understood that if changes become necessary, notice of the change of plan will be submitted.
 Dated at **Edmonton** this **23** day of **June** 19 **67**
 Signed by **W. W. McLaughlin** Company **Pacific Petroleum Ltd.**
 Title **Manager of Production** Operator's Licence No. **1061**

(For Resource Management Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:—
 The Company will submit to this office, on Tuesday of each week, the
 latest reports received by radio on the progress of the well.

Dated **29th June** 19 **67**

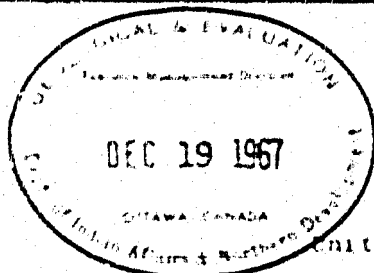
B. H. Thomas
 Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer,
 Department of Indian Affairs and Northern Development, Calgary, Alberta.

667-11-5-3.

Pacific West Coast Judge 0-41

127° 35' 00" W 67° 30' 45" N



PACIFIC WESTCOAST JUDILE 0-41

Unit 0; Sec. 41; Grid 127° 30' W 65° 40' N

Well Summary Report

WELL NAME: Pacific Westcoast Judile 0-41
LOCATION: Unit 0; Sec. 41; Grid 127° 30' W 65° 40' N
CLASSIFICATION: Exploratory
CO-ORDINATES: Long. 127° 38' 00" W Lat. 65° 30' 45" N
ELEVATIONS: Ground 192' (Datum)
WELL STATUS: Abandoned
SPUD DATE: August 9, 1967
FINISHED DRILL DATE: August 17, 1967
RIG RELEASE DATE: August 21, 1967
TOTAL DEPTH: 1415' in Kee Scarp
TITLE HOLDER: Crown
PERMIT NUMBER: 4309
OPERATOR: Pacific Petroleum Ltd.
PARTICIPANTS: Pacific Petroleum Ltd. 75.0%
Westcoast Transmissions Ltd. 12.5%
Western Pacific Ltd. 12.5%
DRILLING CONTRACTOR: Tri-City Drilling Ltd. Rig No. 5

2. GEOLOGICAL SUMMARY:

Imperial	238	(- 46)
Canol	1228	(-1036)
Kee Scarp	1352	(-1160)
Hare Indian	Not penetrated.	

* HOLE SIZE: 4 3/4"

CASING RECORD: Ran 162' 5 1/2" casing, 1 1/4" J-55, set @ 162' with 104 sacks cement plus 4% CaCl₂

UNIVERSAL WELL LOCATION REFERENCE: Lat. 65.51253° N., Long. 127.63333° W.

SAMPLE DESCRIPTIONS
WELL PACIFIC WESTCOAST JUDITH 0 - 41

602

From	To	Description
		<u>PLEISTOCENE</u>
-	142	Sand: white to red to black, varicoloured, medium to minor coarse and very coarse, angular minor muscovite and biotite flakes.
		Sand is probably floating in a soft Shale: light brown.
142	145	As above with sandgrains: varicoloured, very coarse, well rounded.
		<u>CRETACEOUS 145</u>
145	160	Siltstone: light grey, very slightly glauconitic, calcareous; Shale: medium brownish grey, partly very slightly glauconitic, slightly pyritic, abundant cavings.
160	170	Shale: medium brownish grey, slightly glauconitic, silty with Siltstone: as above.
170	180	Siltstone: as above; minor Shale: as above.
180	190	Shale: as above; Siltstone: as above.
190	240	Shale: medium to dark grey; Siltstone: as above, partly slightly arenaceous, trace siderite.
240	260	Shale: medium to dark grey, partly micaceous; Siltstone: as above and grading into minor Sandstone: light grey, very fine, well sorted, subangular, calcareous, very slightly glauconitic, tight.

SAMPLE DESCRIPTIONS
WELL PACIFIC WESTCOAST JUDILE 0 - 41

003

From	To	Descriptions
260	290	Shale: medium to dark grey; Siltstone: light grey, slightly calcareous, very slightly glauconitic, slightly pyritic.
290	320	As above with abundant cavings; poor samples.
320	370	Shale: medium to dark grey brown, grading into Siltstone: light to medium brown, very slightly calcareous, slightly arenaceous; Shale: as above; Siltstone: as above, abundant cavings.
IMPERIAL 370		
370	380	Shale: light grey, silty, pyrite.
380	400	Siltstone: light brown grey, very slightly calcareous, arenaceous grading into Sandstone: very fine, light grey brown, poor sorted, subangular, slightly calcareous, tight.
400	410	Siltstone: light brownish grey, very slightly calcareous, mica; minor Shale: light to medium grey, minor pyrite.
410	430	Shale: as above; Siltstone: as above, mica.
430	500	Siltstone: as above; minor Shale: as above, mica.
500	510	Shale: as above; minor Siltstone: as above.
510	540	Siltstone: as above; Shale: as above, traces ironstone, minor pyrite.
540	550	Shale: as above; Siltstone: as above with some cavings from behind the surface casing (Pleistocene sandgrains and Cretaceous glauconitic Siltstone and Shale).

SAMPLE DESCRIPTIONS
WELL PACIFIC WESTCOAST JUDILE 0 - 41

004

From	To	Descriptions
550	560	Shale: as above; minor Siltstone: as above, trace mica, trace ironstone, trace pyrite.
560	580	Shale: light to medium brownish grey; minor Siltstone: light brownish grey, common ironstone, trace pyrite.
580	590	Shale: as above; Siltstone: as above, trace ironstone.
590	600	Shale: as above; minor Siltstone: as above, ironstone, trace pyrite.
600	610	Shale: as above; minor Siltstone: as above, slightly calcareous, ironstone.
610	620	Shale: as above; minor Siltstone: as above, calcareous, trace Limestone: light to medium brown, clear, medium coarse crystalline, silty, dense, abundant ironstone, trace pyrite.
620	630	Siltstone: light brownish grey, calcareous, grading into Sandstone: white to light brownish grey, very fine, angular to subangular, medium sorted, calcareous cement, tight; Shale: as above, abundant ironstone, mica, with trace glauconite, pyrite.
630	640	Shale: light to medium brownish grey, minor Siltstone: light brownish grey, slightly calcareous, ironstone.
640	650	Sandstone: white to light brownish grey, very fine, angular to subangular, medium sorted, calcareous cement, tight, mica; Siltstone: as above; Shale: as above, ironstone.

SAMPLE DESCRIPTIONS
WELL PACIFIC WESTCOAST JUDILE 0-41

005

Foot	T	Description
650	680	Siltstone: light brownish grey.
		Shale: light to medium brown grey, ironstone, trace pyrite, trace mica.
680	700	Shale: as above; minor Siltstone: light brown grey, slightly calcareous, ironstone, mica.
700	780	Shale: light to medium brownish grey, slightly silty, slightly calcareous, trace mica, trace ironstone, trace pyrite.
780	790	Shale: medium grey brown, very slightly bituminous; Shale: light to medium brownish grey, slightly silty, trace ironstone, trace mica, trace pyrite.
790	810	Shale: light to medium brownish grey, slightly silty, very slightly calcareous, trace ironstone, trace mica, trace pyrite.
810	880	Shale: light to medium brownish grey, trace ironstone, trace pyrite.
880	920	Shale: light brownish grey, trace ironstone, trace pyrite.
920	950	Shale: light brown grey, slightly silty, slightly calcareous, trace ironstone, trace pyrite.
950	960	Shale: medium grey brown, very slightly bituminous, very silty, very slightly calcareous, trace pyrite.
960	1180	Shale: light to medium brownish grey, silty, trace ironstone, trace pyrite.
1180	1190	Shale: light to medium brownish grey, very silty, and grading into minor Siltstone: light to medium brownish grey, trace ironstone, pyrite.

SAMPLE DESCRIPTIONS

006

WELL PACIFIC WESTCOAST JUDITH 0 - 41

From	To	Descriptions
1190	1220	Shale: light to medium brown grey, very silty and grading into Siltstone: light to medium brownish grey, slightly calcareous with trace of Sandstone: very fine, light brownish grey, poor sorted, subangular, very slightly calcareous, tight, pyrite, trace ironstone.
1220	1230	Shale: as above; Siltstone: as above, pyrite, trace ironstone.
1230	1240	Shale: medium grey brown, slightly bituminous.
CANOL 1240		
1240	1260	Shale: medium grey brown, bituminous, brown streak, very slightly silty, very slightly calcareous, trace pyrite.
1260	1270	All as above with trace Limestone: medium brown, fine crystalline, slightly silty, dense.
1270	1280	Shale: medium grey brown, bituminous, slightly silty, calcareous, with minor slightly dolomitic? Limestone: medium brown, fine to medium crystalline, very silty, slightly argillaceous, dense.
1280	1290	Shale: as above; abundant Limestone: as above, with abundant pyrite.
1290	1295	Shale: medium to dark brownish grey, slightly bituminous, slightly silty, trace dark Limestone: as above, trace pyrite.

SAMPLE DESCRIPTIONS
WELL PACIFIC WEST COAST JUDILE 6 - 41

From	To	Descriptions
1295	1300	Shale: medium grey to brown, bituminous, slightly silty, with dolomitic? Limestone: medium grey brown, fine to medium crystalline, very silty, dense, slightly argillaceous, and trace Limestone: white, clear, fine to medium crystalline, dense, abundant pyrite.
1300	1305	Shale: medium greyish brown, slightly bituminous, very slightly silty with traces of limestone: as above, pyrite.
1305	1310	Shale: medium greyish brown, slightly bituminous, very slightly silty.
1310	1315	Shale: medium greyish brown, slightly bituminous, slightly silty, trace Limestone: medium brown, fine to medium crystalline, silty, dense, pyrite.
1315	1325	Shale: medium to dark brownish grey, bituminous, silty, very pyritic.
1325	1335	Shale: dark brown grey, bituminous, silty, pyritic.
1335	1358	Shale: dark brown grey, bituminous, silty, slightly calcareous, with trace of Siltstone: light grey brown, partly slightly calcareous, with trace of dolomitic; Limestone: medium brown, fine to medium crystalline, dense, silty, partly very pyritic.
KEE SCARP 1358		
1358	1364	Limestone: buff, crypto to fine crystalline, dense to occasionally slight earthy porosity, with fractures partially

SAMPLE DESCRIPTIONS
WELL PACIFIC WEST COAST JUDILE 0 - 41

008

From	To	Descriptions
1358	1364	(CON'T)
		infilled with clear white Limestone; but leaving some poor
		small vuggy porosity, vugs occasionally filled with pyrobitumen
		residue.
		Limestone: white to cream, fine to medium crystalline
		coralline, dense.
		Limestone: light brown to buff, fine crystalline, coralline,
		poor intrafossilliferous porosity, pores filled with dark
		pyrobitumen residue, sample slightly florescent.
1364	1384	Core # 1 : Rec 20' See core description.
1384	1397.6	Core # 2 : Rec 13.6' See core description.
1397.6	1400	Limestone: white to cream to buff, fine crystalline, coralline
		(Amphipora?), dense.
		Limestone: buff to light brown, crypto to fine crystalline,
		dense, fragmental, slightly chalky and earthy appearance,
		slightly earthy porosity (no permeability) ; coarse clear
		white calcite.
1400	1415	Limestone: white to cream to buff, fine crystalline, coralline,
		dense; minor Limestone: buff to medium brown, fine
		crystalline, fragmental, dense; minor Limestone: buff
		to light brown, earthy appearance, minor clear coarse
		calcite, trace pyrobitumen.

CORE DESCRIPTIONS

Page 2011

WELLPACIFIC WESTCOAST JUDILE 0 - 41

009

CORE NO	FROM	TO	SEC	PICKUP	FORMATION	DATE
1	1364	1384	20'		KEE SCARP	Aug. 16/67

1364 - 1364.2 0.2'

Limestone consisting of (50%) corals (Amphipora ?), which is: white to buff, fine crystalline, dense; matrix (50%) is

Limestone: buff, crypto - to fine crystalline, earthy and slightly chalky appearance, dense to very poor earthy porosity (no permeability).

1364.2 - 1364.6 0.4'

Limestone consisting of (100%) corals, which is: white to buff, fine crystalline, dense.

1364.6 - 1368.6 4'

Limestone consisting of (50%) corals, which is : white to buff, fine to medium crystalline, dense; matrix (45%) is

Limestone: buff, fine crystalline, slight earthy porosity (no permeability), clear calcite (5%) fills in fissures.

1368.6 - 1369 0.4'

Limestone consisting of (70%) corals, which is: light to medium brown, fine to medium to coarse crystalline, dense; matrix (30%) is

Limestone: buff to light brown, chalky appearance, dense to slight earthy porosity.

CORE TIME

CORE DESCRIPTIONS

WELL PACIFIC WESTCOAST JUDILE 0 - 41

CORE NO	FROM	TO	SEC	PICKUP	FORMATION	DATE
1	1364	1384	20'		KEE SCARP	Aug. 16/67

1364 - 1375.5	6.5'	
Limestone consisting of (60%) corals, which is: white to buff, fine to medium crystalline, dense; matrix (35%) is		
Limestone: buff to light brown, chalky appearance, dense to slight earthy porosity; clear coarse calcite (5%) fills in the vugs. If vugs not completely filled there remains some very poor vuggy or intracoralline porosity; thin Shale streaks; stylolites.		
1375.5 - 1377	1.5'	
Limestone consisting of (50%) corals, which is: buff to light brown, fine crystalline, dense; matrix is		
Calcite (50%): clear, coarse crystalline, fills the spaces between the corals.		
1377 - 1378	1'	
Limestone consisting of (40%) corals (<u>Amphipora?</u>) which is: light brownish grey, coarse crystalline, dense; matrix (60%) is		
Limestone: light to medium brown, earthy appearance, dense.		

CORE TIME	

CORE DESCRIPTIONS

WILL. PACIFIC WESTCOAST JUDILE 0 - 41

CORE NO	FROM	TO	SEC	PICKUP	FORMATION	DATE
1	1364	1384	20'		KEE SCARP	Aug. 16/67

1378 - 1378.6	0.6'	As above, with abundant clear coarse calcite.
1378.6 - 1383.2	4.6'	Limestone consisting of (80%) corals, which is; white to buff, fine to medium crystalline, dense; matrix (15%) is Limestone: light to medium brown, fine crystalline, fragmental, earthy appearance; clear calcite (5%); coarse crystalline dense.
1383.2 - 1384	0.8'	Limestone consisting of (50%) corals, which is; light to medium brown, fine to medium crystalline, dense; matrix (50%) is Calcite: clear, coarse crystalline, dense.

CORE TIME	

CORE DESCRIPTIONS

Form 2011

WELL PACIFIC WESTCOAST JUDILE 0 - 41

012

CORE NO	FROM	TO	REC	PICKUP	FORMATION	DATE
2	1384	1397.6	13.6	-	KEE SCARP	Aug. 16/67

1384 - 1386.2	2.2'	
		Limestone consisting of (50%) corals, which is: light to medium brown, fine to medium crystalline, dense, matrix (50%) is
		Calcite: clear, coarse crystalline, dense.
1386.2 - 1386.4	0.2'	
		Limestone consisting of (100%) corals, which is: cream to buff, very fine crystalline, dense.
1386.4 - 1389.4	3'	
		Limestone consisting of (60%) corals, which is: light to medium brown, fine crystalline, dense with few small vugs; matrix (40%) is
		Calcite: clear, coarse crystalline; stylolites.
1389.4 - 1390	0.6'	
		Limestone (100%): medium brown, crypto crystalline, very slightly argillaceous, dense.

CORE TIME	No core time. Strange interval due to plugged core bit. Full recovery.

CORE DESCRIPTIONS

WELL PACIFIC WESTCOAST JUDILE 0 - 41

012

CORE NO	FROM	TO	REC	PICKUP	FORMATION	DATE
2	1384	1397.6	13.6	-	KEE SCARP	Aug. 16/67

1390 - 1391.5	1.5'	Limestone consisting of (80%) corals, which is: white to cream, fine to medium crystalline, dense, matrix (10%) is Limestone: light to medium brown, earthy appearance; Calcite (10%): clear, coarse crystalline, dense.				
1391.5 - 1391.6	0.1'	Shale: dark brown grey, calcareous, very bituminous.				
1391.6 - 1395.5	3.9'	Limestone consisting of (60%) 0.5" corals, which is: buff to cream, fine to medium crystalline, dense, matrix (40%) is Calcite: clear, very coarse crystalline, occasionally trace small vugs.				
1395.5 - 1397.6	2.6'	Limestone consisting of (80%) corals, which is: buff to cream, fine to medium c-rystalline, dense; matrix (10%) is Limestone: light to medium brown, earthy and calcite (10%) clear, coarse crystalline, dense.				

CORE TIME	

PACIFIC WESTCOAST JUDILE 0-41

3. ENGINEERING SUMMARY

Drill Stem Tests

None

Casing Records

Surface: Ran 162', 5 1/2",
14#, J-55, Rge 1, New, set
at 162' ground level with
104 sacks construction cement. *and 1/2% CaCl₂*
Good cement returns.

Production: None

Tubing: None

Lost Circulation Zones:

Aug. 16, 1967, Lost circulation
at 1358'. Regained circulation
with 12 sacks gel and 4 sack
sawdust.

Aug. 17, 1967. Lost circulation
at 1405' Regained circulation
with 6 sack gel. and 8 sawdust.

Aug. 17, 1967, Lost circulation
at 1415'. Regained circulation
with 21 sack gel and 16 sack saw-
dust.

4. COMPLETION SUMMARY

Plug Record

Plug #1- 1415'-1060' with 35 sack
construction cement plus 1 sack
CaCl₂; *2 1/2% sack gel* Plug. felt at 1060'.

Plug #2- 365- sfc with 40 sacks
cement plus 1 sack CaCl₂. Cement
returns to surface.

Perforation Record

None.

Treatment Record

None.

PACIFIC WESTCOAST JUDILE O-41SUMMARY OF ANALYSES

Core Analysis
 Gas Analysis
 Oil Analysis
 Water Analysis

None
 None
 None
 C & G Lab E67-2908x -2A
 Kee Scarp Water Flow.

6. LOGGING SUMMARY

<u>Log</u>	<u>Run No.</u>	<u>Interval</u>	<u>Date Run</u>
Electrical Survey	1	1415-162	August 19, 1967

7. DAILY DRILLING SUMMARY

<u>Date</u>	<u>Depth</u>	<u>Footage</u>	<u>Remarks</u>
8- 9-67	40	40	Drill. Well spudded 10:00 P.M.
8-10-67	375	335	Drilling with 4 3/4" bit.
8-11-67	375	0	Waiting on cement. Reamed with 7 7/8" bit to 162'. Ran and set 5 1/2" casing at 162' ground level.
8-12-67	650	275	Drilling.
8-13-67	1020	370	Drilling.
8-14-67	1190	170	Drilling.
8-15-67	1340	150	Drilling.
8-16-67	1398	58	Reaming Lost circulation at 1358'. Cut core #1 1364'-1384', recovered 20'. Cut core #2 1384'-1398' recovered 13.6'. Well blew in water at flow rate of approx. 60 gal. per minute.

PACIFIC WESTCOAST JUDLF 0-41

7. DAILY DRILL SUMMARY - Continued:

<u>Date</u>	<u>Depth</u>	<u>Footage</u>	<u>Date Run</u>
8-17-67	1415 TD	17	Waiting on orders. Lost circulation at 1405' and 1415'. Well blew in water at approx. flow rate 400 gal. per. min.
8-18-67	1415 TD	0	Waiting on orders.
8-19-67	1415 TD	0	Running logs.
8-20-67	1415 TD	0	Waiting on cement. Ran plug #1, 1415'-1060'. Felt plug at 1060'.
8-21-67	1415 TD	0	Rig released. Ran plug #2, 365' - surface. Cement returns to surface.

TRI-CITY DRILLING LTD.

DAILY DRILLING REPORT

BOARD DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. LOCATION

AREA

DATE

REMARKS

Time
Start Stop Interval

Jude 0-41

Aug 14 1967

Tour — Midnight - 8 a.m.

Specify actual hours worked Hrs. *1020 50 1090*

Driller *R Corrigan* 8

Derrick *E Ferguson* 8

Floor *J Hauck* 8

Floor

Floor

Floor

Motor

Mechanic

Extra

Injuries:

Fires:

From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.)

DRILL COLLARS No. O.D. I.D. Wgt.

FUEL Gals. WATER Bbls. Tons

Stands

Singles

D. Collars

Other Ft.

C.B. Ft.

Subs. Ft.

Ft. Up On Kelly

TOTAL

MUD 12 Mn. 2 a.m. 4 a.m. 6 a.m. Additives

WEIGHT

VISCOSITY

GEL

PUMPS No. 1 Pressure S.P.M. Model

Liner Size

No. 2 Pressure S.P.M. Model

Liner Size

General

W.L. F.C. pH.

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked Hrs. *1020 50 1120*

Driller *A Anderson* 8

Derrick *B Wetzstein* 8

Floor *H L. P. R.* 8

Floor

Floor

Floor

Motor

Mechanic

Extra

Injuries:

Fires:

From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.)

DRILL COLLARS No. O.D. I.D. Wgt.

FUEL Gals. WATER Bbls. Tons

Stands

Singles

D. Collars

Other Ft.

C.B. Ft.

Subs. Ft.

Ft. Up On Kelly

TOTAL

MUD 12 Mn. 10 a.m. 12 Noon 2 p.m. Additives

WEIGHT

VISCOSITY

GEL

PUMPS No. 1 Pressure S.P.M. Model

Liner Size

No. 2 Pressure S.P.M. Model

Liner Size

General

W.L. F.C. pH.

Tour — 4 p.m. to Midnight

Specify actual hours worked Hrs. *1120 30 1190*

Driller *H Anderson* 4

Derrick *B Wetzstein* 4

Floor *H L. P. R.* 4

Floor *R Corrigan* 4

Floor *E Ferguson* 4

Motor *J Hauck* 4

Mechanic

Extra

Injuries:

Fires:

From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.)

DRILL COLLARS No. O.D. I.D. Wgt.

FUEL Gals. WATER Bbls. Tons

Stands

Singles

D. Collars

Other Ft.

C.B. Ft.

Subs. Ft.

Ft. Up On Kelly

TOTAL

MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives

WEIGHT

VISCOSITY

GEL

PUMPS No. 1 Pressure S.P.M. Model

Liner Size

No. 2 Pressure S.P.M. Model

Liner Size

General

W.L. F.C. pH.

Drilling 1200 330

Trip @ 1055 330 430

Drilling 430 800

Company Time Cont'r Time

Drilling 800 1100

Trip for bit at 1120 1100 300

Footage on bit 55' 8"

Repairing pump 300 400

Company Time Cont'r Time

Drilling 400 800

Drilling 800 1200

1150 - 1190

Toeco Ring on Bit No. D.P. Calipered Date Results From Pipe Rack

B.O.P. Test-Operated Time Results

Total Contractor Time Hrs. Toolpusher

Total Company Time Hrs. Approved by

TRI-CITY DRILLING LTD.

DAILY DRILLING REPORT

BOARD DAY WORK RECORD

RIG No. 5 LOCATION _____AREA Juiced 4 DATE Aug 13 1967

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands	REMARKS			Time			
Specify actual hours worked	Hrs.						No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Tons					Start	Stop	Interval	
Driller <u>R Corral</u>	<u>8</u>	<u>650</u>	<u>140</u>	<u>790</u>																	
Derrick <u>E Ferguson</u>	<u>8</u>																				
Floor <u>J Hancock</u>	<u>8</u>																				
Floor																					
Floor																					
Motor																					
Mechanic																					
Extra																					
Injuries:																					
Fires:																					
Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands	REMARKS			Time			
Specify actual hours worked	Hrs.						No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Tons								
Driller <u>A Anderson</u>	<u>8</u>	<u>790</u>	<u>150</u>	<u>940</u>																	
Derrick <u>B Wetzel</u>	<u>8</u>																				
Floor <u>H Lepine</u>	<u>8</u>																				
Floor																					
Floor																					
Motor																					
Mechanic																					
Extra																					
Injuries:																					
Fires:																					
Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands	REMARKS			Time			
Specify actual hours worked	Hrs.						No.	O.D.	I.D.	Wgt.	Gals.	Bbls.	Tons								
Driller <u>A Anderson</u>	<u>4</u>	<u>940</u>	<u>85</u>	<u>1020</u>																	
Derrick <u>B Wetzel</u>	<u>4</u>																				
Floor <u>H Lepine</u>	<u>4</u>																				
Floor																					
Floor																					
Motor																					
Mechanic <u>J Hancock</u>	<u>4</u>																				
Extra																					
Injuries:																					
Fires:																					

Drilling
Trip @ 730'
Drilling

1200 330
330 430
430 800

Drilling
150 FT ON BIT

800 400

Drilling
Trip for b.t 940'
Drilling
940 985 45 FT ON BIT

400 500
500 800

Drilling
985-1020

800 1200

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____
B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____
Total Company Time _____ Hrs. Approved by _____

TRI-CITY DRILLING LTD.

DAILY DRILLING REPORT

BOARD DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 5 LOCATION W. T. on Cement AREA J. D. 12-10-4 DATE Aug 12 1967

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands		
Specify actual hours worked Hrs.		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles		
Driller	<u>Roy Corrigan</u> 8	<u>2</u>	<u>4 3/4</u>	<u>V2</u>		<u>31748</u>			<u>180</u>							
Derrick	<u>F. Ferguson</u> 8															
Floor	<u>T. Hauck</u> 8															
MUD		12 Mn.	2 a.m.	4 a.m.	6 a.m.	Additives				At Surveys Degree	MOTOR HOURS	Next Oil Change				
WEIGHT																
VISCOSITY																
GEL																
PUMPS		No. 1	Pressure					Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
Model		S.P.M.														
No. 2		Pressure														
Model		S.P.M.														
Liner Size																
W.L.		F.C.	pH.													
Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands		
Specify actual hours worked Hrs.		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles		
Driller	<u>A. Anderson</u> 8	<u>375</u>	<u>175</u>	<u>550</u>												
Derrick	<u>B. Wetzstein</u> 8															
Floor	<u>H. Lepine</u> 8															
MUD		8 a.m.	10 a.m.	12 Noon	2 p.m.	Additives				At Surveys Degree	MOTOR HOURS	Next Oil Change				
WEIGHT																
VISCOSITY																
GEL																
PUMPS		No. 1	Pressure					Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
Model		S.P.M.														
No. 2		Pressure														
Model		S.P.M.														
Liner Size																
W.L.		F.C.	pH.													
Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands		
Specify actual hours worked Hrs.		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles		
Driller	<u>A. Anderson</u> 4	<u>550</u>	<u>100</u>	<u>650</u>												
Derrick	<u>B. Wetzstein</u> 4															
Floor	<u>H. Lepine</u> 4															
MUD		5 p.m.	6 p.m.	8 p.m.	10 p.m.	Additives				At Surveys Degree	MOTOR HOURS	Next Oil Change				
WEIGHT																
VISCOSITY																
GEL																
PUMPS		No. 1	Pressure					Size	TRIPS	No. Lines	TON MILES	TOTAL MILES	Slip	Feet or Cut	Feet Left on Spool	Next Slip
Model		S.P.M.														
No. 2		Pressure														
Model		S.P.M.														
Liner Size																
W.L.		F.C.	pH.													

REMARKS	Time		
	Start	Stop	Interval
<u>W. T. on Cement</u>	<u>1300</u>	<u>400</u>	
<u>W. T. on Cement</u>	<u>400</u>	<u>700</u>	
<u>Running in</u>	<u>700</u>	<u>800</u>	
<u>NEW Rock bite 375</u>			
<u>Pressure up B.O.P. - 750</u>			
<u>Drilling</u>	<u>800</u>	<u>400</u>	
<u>180 FT ON BIT</u>			
<u>Drilling</u>	<u>400</u>	<u>500</u>	
<u>Trip for bit</u>	<u>500</u>	<u>600</u>	
<u>Drilling</u>	<u>600</u>	<u>800</u>	
<u>Drilling</u>	<u>800</u>	<u>1200</u>	
<u>590-650</u>			

Total Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____
 B.O.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____
 Total Company Time _____ Hrs. Approved by _____

TRI-CITY DRILLING LTD.

DAILY DRILLING REPORT

BOARD DAY WORK RECORD
NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 5 LOCATION PACIFIC WEST COAST 653045 AREA JUDITH DATE Aug 11 1967

Tour — Midnight - 8 a.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles
Driller	<u>R. CORRIGAN</u>	<u>7 1/4</u>				<u>used</u>					<u>161.85</u>			
Derrick	<u>E. FERGUSON</u>													
Floor	<u>J. HANCK</u>													
Floor														
Floor														
Motor														
Mechanic														
Extra														
Injuries:														
Fires:														
Tour — 8 a.m. to 4 p.m.		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles
Driller	<u>A. ANDERSON</u>													
Derrick	<u>H. LAPINE</u>													
Floor	<u>B. WETSTON</u>													
Floor														
Floor														
Motor														
Mechanic														
Extra														
Injuries:														
Fires:														
Tour — 4 p.m. to Midnight		From	Footage	To	Hrs. on Bottom	Wt. Drill String (1000 lbs.)	DRILL COLLARS				FUEL	WATER	COAL	Stands
Specify actual hours worked		No.	Size	Type	Size Jets	Serial No.	Weight	R.P.M.	Ft. Drilled	Hrs.	Feet Reamed	Hrs.	CONDITION	Singles
Driller	<u>A. ANDERSON</u>													
Derrick	<u>H. LAPINE</u>													
Floor	<u>B. WETSTON</u>													
Floor														
Floor	<u>R. CORRIGAN</u>													
Motor	<u>E. FERGUSON</u>													
Mechanic	<u>J. HANCK</u>													
Extra														
Injuries:														
Fires:														

REMARKS	Time		
	Start	Stop	Interval
<u>Room in 6 7 1/2 B.T.</u>	<u>12:00</u>	<u>4:00</u>	
<u>RUN casing 5 1/2"</u>	<u>4:00</u>	<u>6:00</u>	
<u>161.85'</u>			
<u>Cementing</u>	<u>6:00</u>	<u>8:00</u>	
<u>104 sacks Cement</u>			
<u>4 " Bulk Chloride</u>			
<u>May 8 2 1/2" 5 1/2" J.S.S. Rig 1 1/4" casing</u>			
<u>1 1/2" guide shoe - landed 161.85' - 3 ft.</u>			
<u>Completed w/ 104 Cement</u>			
<u>4 bags - Good Returns</u>			
Company Time	Cont'r Time		
<u>Waiting on Cement</u>			
<u>Clean Rig</u>			
Company Time	Cont'r Time		
<u>Waiting on Cement</u>			
Company Time	Cont'r Time		
<u>Waiting on Cement</u>			
<u>Service Rig</u>			
Company Time	Cont'r Time		

Totco Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____
 B.O.P. Test-Operated _____ Time _____ Results _____
 Total Contractor Time _____ Hrs. Toolpusher _____
 Total Company Time _____ Hrs. Approved by _____

DAILY DRILLING REPORT

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

ID. **DAILY DR**
Pac. West Coast Indus. 0-41 AREA

DATE Feb 9 1961

Tide - 8 a.m.		From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS		FUEL		WATER		COAL		Stands	
Specify actual hours worked		Hrs.																			
Driller		R. Corral		8																	
Derrick		F. Ferguson		8																	
Floor		J. Hauck		8																	
Floor																					
Floor																					
Motor																					
Mechanic																					
Extra																					
Injuries:																					
Fires:																					
Tide - 8 a.m. to 4 p.m.		From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS		FUEL		WATER		COAL		Stands	
Specify actual hours worked		Hrs.																			
Driller		A. Anderson		8																	
Derrick		B. Watson		8																	
Floor		C. Watson		8																	
Floor																					
Floor																					
Motor																					
Mechanic																					
Extra																					
Injuries:																					
Fires:																					
Tide - 4 p.m. to Midnight		From		Footage		To		Hrs. on Bottom		Wt. Drill String (1000 lbs.)		DRILL COLLARS		FUEL		WATER		COAL		Stands	
Specify actual hours worked		Hrs.																			
Driller		A. Anderson		4																	
Derrick		B. Watson		4																	
Floor		H. L. Jones		4																	
Floor																					
Floor																					
Motor																					
Mechanic																					
Extra																					
Injuries:																					
Fires:																					
Mud Logging, Docking Barge 1200																					
Company Time		Cont'r Time																			
Making Dock		800		1200																	
Making Lease		1200		400																	
Unloading Barge		400		800																	
Rigging up																					
Rising up		800		1000																	
Spud in Drilling		1000		1200																	
used R.T.																					
Moved Gek 700 lbs.																					

Total Ring on Bit No. _____ D.P. Calipered Date _____ Results _____ From Pipe Rack _____
B.C.P. Test-Operated _____ Time _____ Results _____

Total Contractor Time _____ Hrs. Toolpusher _____
Total Company Time _____ Hrs. Approved by _____