National Energy Board



Office national de l'énergie

File 2000-12
24 June 2004

Irene Borowy
West Canadian Imaging
901 – 10th Avenue SW
Calgary, AB

Dear Ms. Borowy:

Scanning of Well Data – EOG et al Devo Creek P-45 UWI 300P456530127300

Accompanying this letter is hard copy well data to be scanned. In the interest of being consistent for all filming and scanning of data, attached is a list of data sent to you and the order in which it should be scanned.

LABELS (proper labelling method)

1914 EOG et al Devo Creek P-45 Page #

Please note that the data submitted for scanning has been released from confidential status - **data which is still confidential has been separated and not submitted to you. This data will be available for scanning March 15, 2007.** Note also that we have not received tour sheets or a Well Termination Record for this well.

If you have any questions, please feel free to contact me at 299-3192. Thank you.

Yours truly,

Trena Barnes
Trena Barnes
Data Coordinator
Exploration and Production

Enclosure

444 Seventh Avenue SW
Calgary, Alberta T2P 0X8

444, Septième Avenue S.-O.
Calgary (Alberta) T2P 0X8

Canada

Telephone/Téléphone : (403) 292-4800
Facsimile/Télécopieur : (403) 292-5503
http://www.neb-one.gc.ca

LABEL (where necessary)

1914 EOG et al Devo Creek P-45 Page #

WELL DATA SUBMITTED FOR MICROFILMING:

(Please Film in The Following Order If Possible)

*****DATA ALREADY RELEASED FROM CONFIDENTIAL STATUS*****

Approval to Drill a Well Form

Final Well Report
Geological Report
Core analysis report
Digital imaging, Ultra violet photography

LOGS
***(Please order as you see fit)**

Modular formation dynamic tester PS-HY-LFA-MS-PO-PC, run 2, dated 13 Feb 2002
Compensated neutron lithology density, run 2, dated 13 Feb 2002
Dual laterlog & MSFL, run 2, dated 13 Feb 2002
Microlog, run 2, dated 13 Feb 2002
Microlog, run 1, dated 15 Jan 2002
Compensated neutron lithology density, run 1, dated 15 Jan 2002
Dual laterlog & MSFL, run 1, dated 15 Jan 2002
Dual induction tool, run 1, dated 15 Jan 2002
Borehole compensated digital sonic, run 1, dated 15 Jan 2002
Dual induction tool, run 2, dated 13 Feb 2002
Borehole compensated digital sonic, run 2, dated 13 Feb 2002
Dual laterlog & MSFL, run 3, dated 8 Mar 2002
Borehole compensated digital sonic, run 3, dated 8 Mar 2002
Compensated neutron lithology density, run 3, dated 8 Mar 2002
FMI image plot, dated 13 Feb 2002
Tadpole plot stereonet view, dated 13 Feb 2002
Tadpole plot stereonet view scale 1:240, dated 15 Jan 2002
FMI Image log 1:20 scale, dated 10 Mar 2002
FMI image plot, dated 15 Jan 2002
Hydrocarbon well log, dated Jan 5 2002 to Mar 9 2002

National Energy Board

Office national de l'énergie

Exploratory ☒ Delineation ☐

Development ☐ Service ☐

APPROVAL TO DRILL A WELL

This application is submitted under Section 82 of the *Canada Oil and Gas Drilling Regulations*. When approved under Section 83 of the Regulations, it is the requisite approval for the commencement of drilling operations.

Well Name: EOG et al DEVO CREEK P-45

Operator: EOG Resources Canada Inc. Drilling Program No.: N/A

Contractor: Akita/Sahtu Drilling Interest Identifier: EL 401

Drilling Rig or Unit: #51 Estimated Well Cost: $8,000,000

Location-Unit: P Section: 45 Grid 65°30' 127°30'

Coordinates: Lat.: 65°24' 52.193" Long.: 127°37' 43.882"

Area: NWT Field / Pool: N/A

Elevation-KB/RT: 160.0 (ASL) GL / Seafloor: 155.1

Approx. Spud Date: December 15, 2001 Est. Days on Location: 45

Anticipated Total Depth: 2515 Target Mount Clark

EVALUATION PROGRAM

Ten-metre sample

Five-metre sample: Conductor Casing Shoe to Total Depth

Canned sample intervals

Conventional cores at: Hume, Arnica, Mount Clark

Logs and Tests: As per drilling program.

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing
339.7	81.1	H-40	100	Polar Set
244.5	53.6	K-55	470	Polar Set
177.8	34/39	J-55	1880	Tail/Fill
114.3	20.1	L-80	2514	Tail

B.O.P. Equipment: See BOP configuration & specifications in drilling program.

Other Information: Salt saturated mud system to drill Saline River Salt to Total Depth.

This is a vertical well, surface and bottom hole coordinates are the same.

Signed [signature] Title: Drilling Manager

Responsible Officer

Name: Lane Dunham Company EOG Resources Canada Inc.

Date: July 15, 2001 Phone: (403) 297-9100

APPROVAL

An approved copy of this notice is to be posted at each wellsite.

Date: Nov 21/01 Signed: [signature]

Chief Conservation Officer

File: 9211-E35.1.1

WID: 1914

UWI: 300P456530127300

Canada

N.E.B. COPY

DIGITAL IMAGING

EOG RESOURCES CANADA INC.

EOG ET AL DEVO CREEK P-45

Ultra Violet Photography

2002-02-25 **52139-02-4245**

Core Laboratories

EOG RESOURCES CANADA INC.
EOG ET AL DEVO CREEK P-45
CORE #1

Top 327.00 m

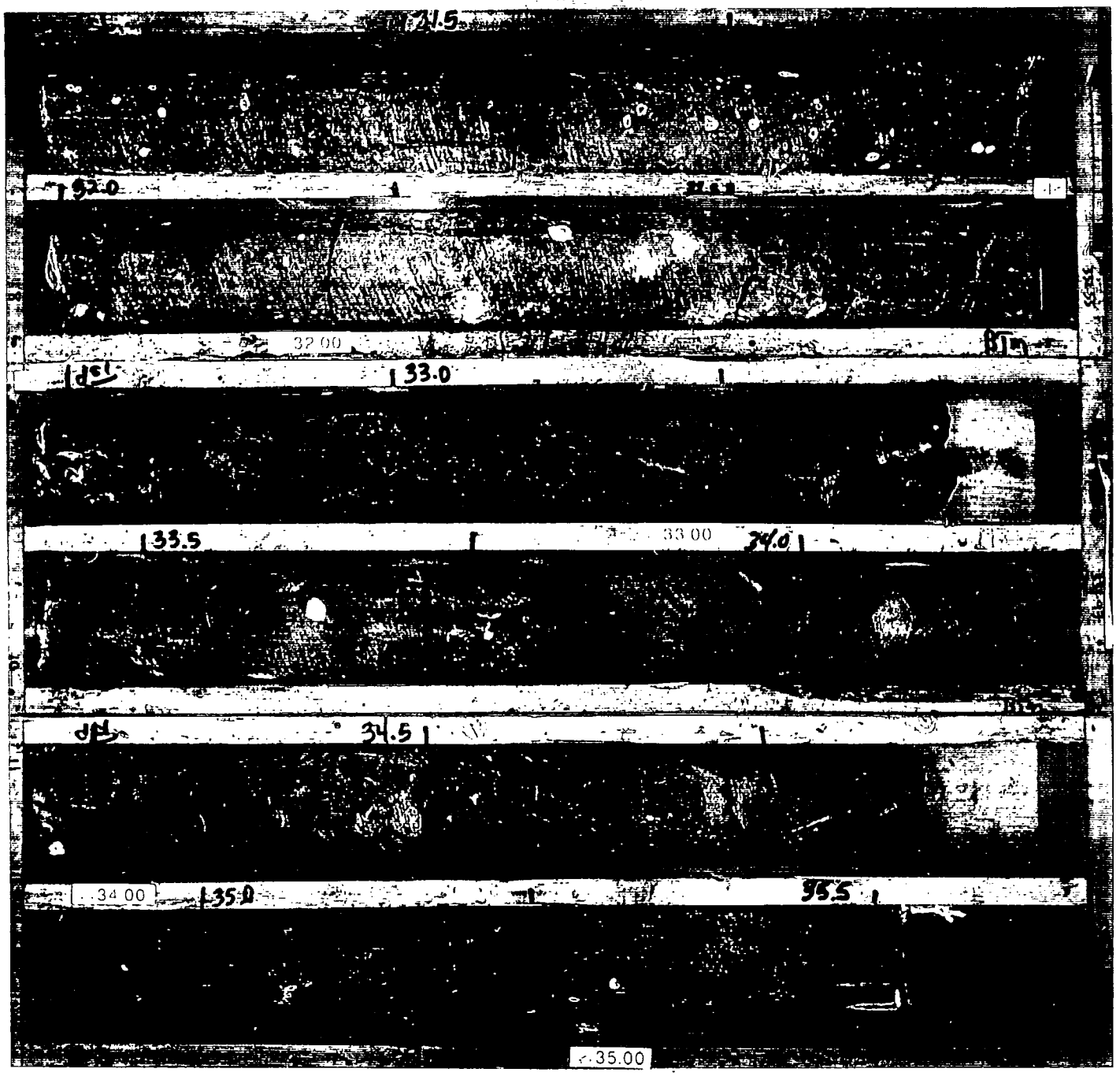


Bottom

EOG RESOURCES CANADA INC.
EOG ET AL DEVO CREEK P-45
CORE #1

52139-02-4245
02-02-20

Top 331.11 m



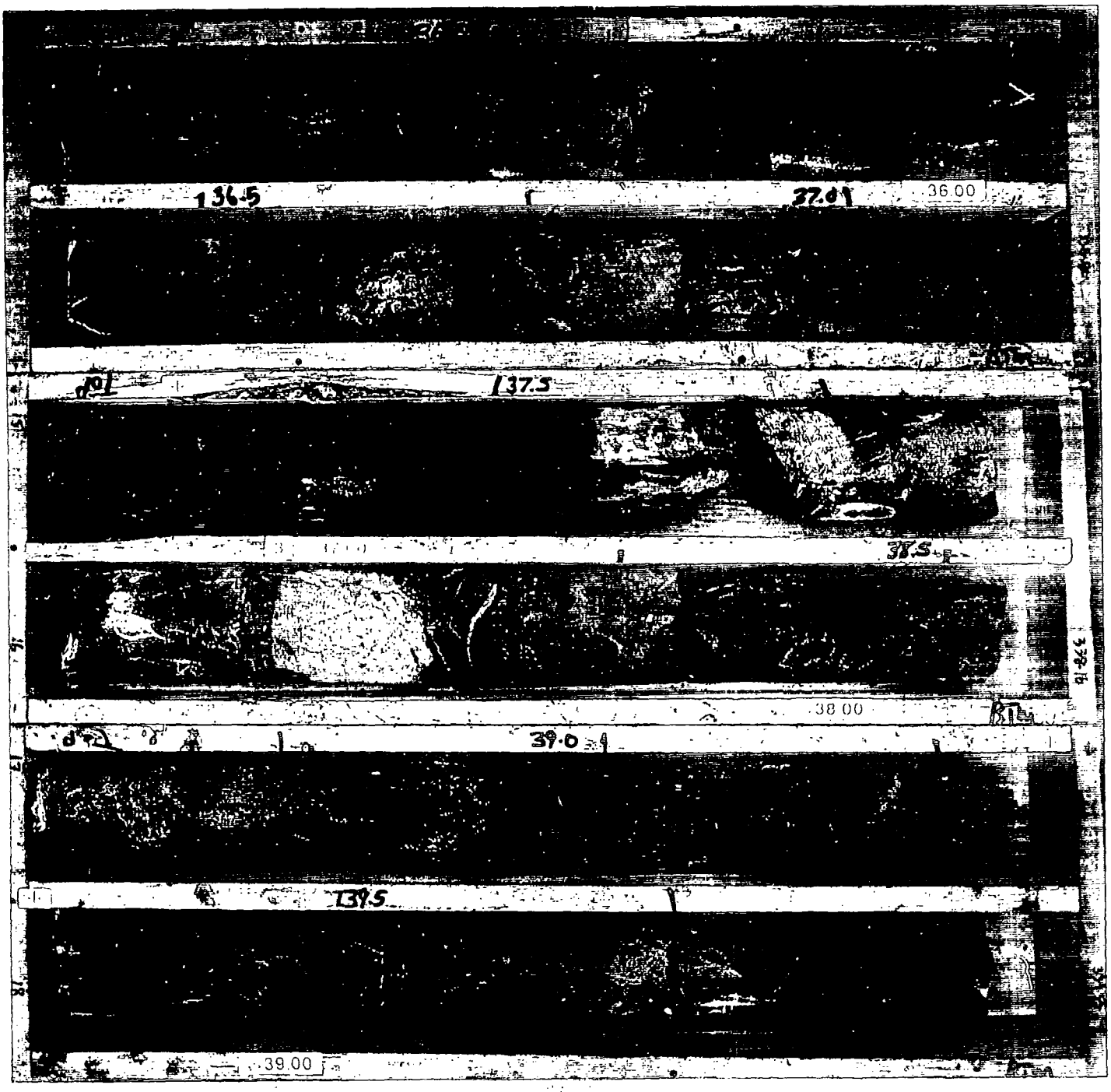
Bottom 335.36 m

Core Lab

EOG RESOURCES CANADA INC.
EOG ET AL DEVO CREEK P-45
CORE #1

52139-02-4245
02-02-20

Top 335.36 m

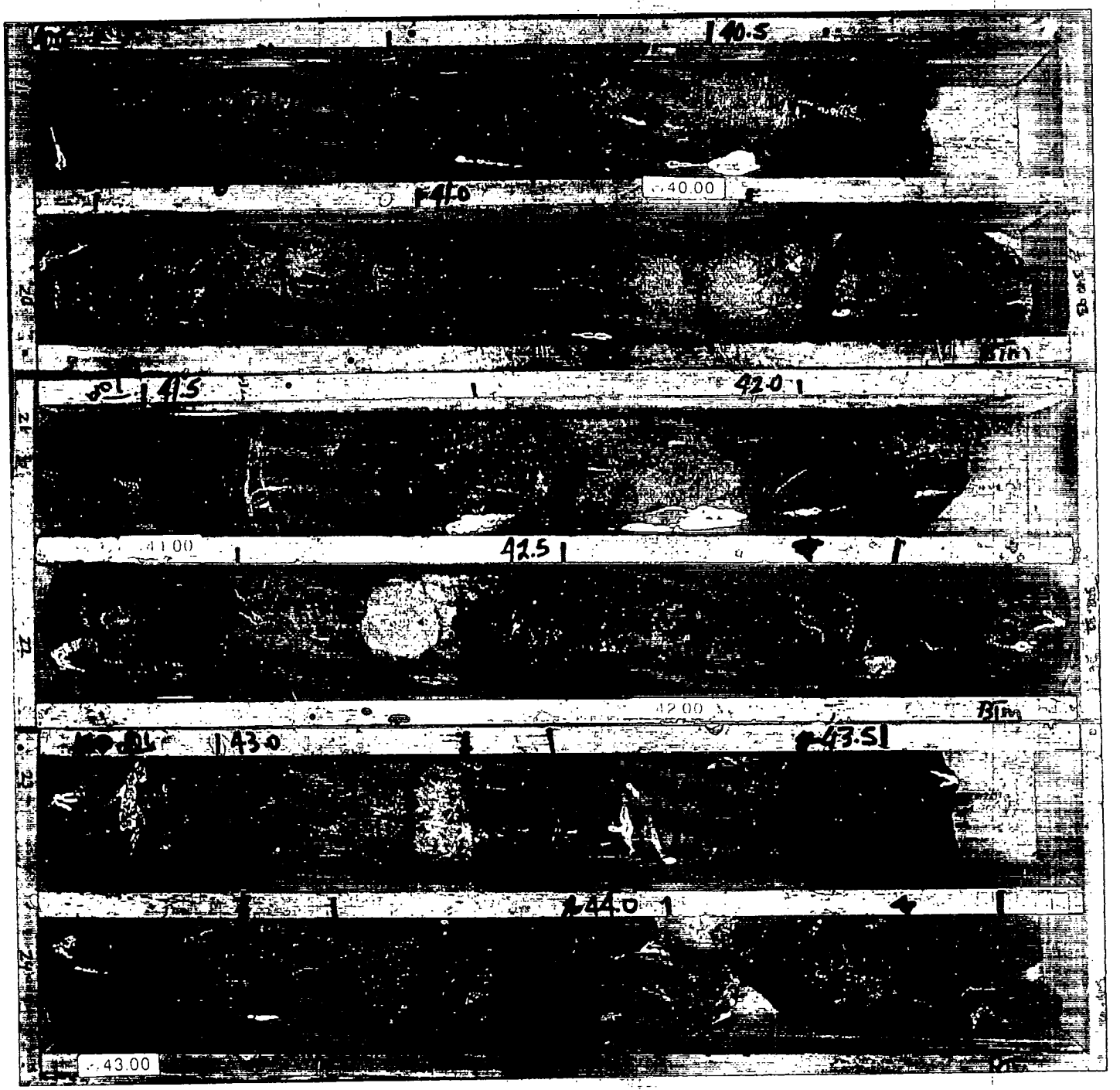


Bottom 339.55 m

EOG RESOURCES CANADA INC.
EOG ET AL DEVO CREEK P-45
CORE #1

52139-02-4245
02-02-20

Top 339.55 m



Bottom 343.72 m

EOG RESOURCES CANADA INC.
EOG ET AL DEVO CREEK P-45
CORE #1

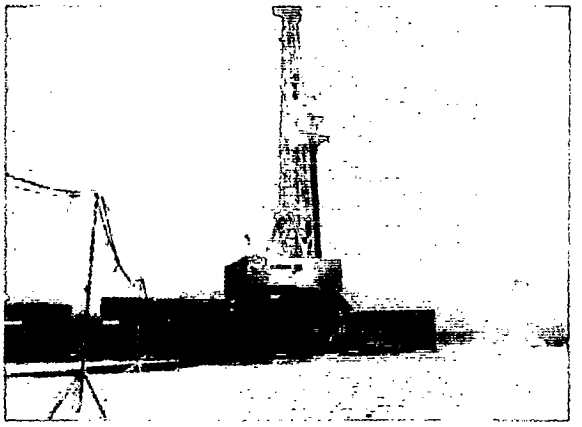
52139-02-4245
02-02-20

Top 343.72 m





Bottom 345.00 m

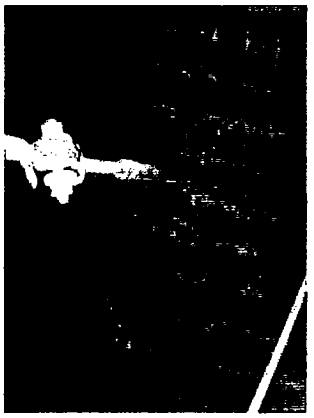


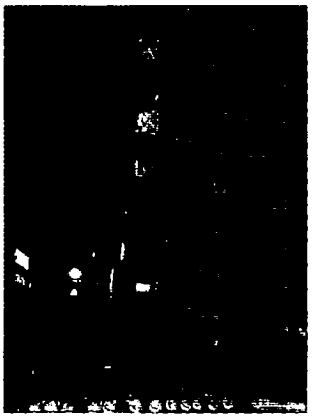
N.E.B. COPY

Geological Report

on

EOG et al DEVO CREEK P-45





65° 24′ 52.193″ North
127° 37′ 43.882″ West

Well Reached Total Depth on
March 8, 2002 @ 05:30

for

eog resources

Prepared For: Ken Hansen
EOG Resources Canada Inc.

Prepared By: Bob Cahill
EOG Resources Canada Inc.



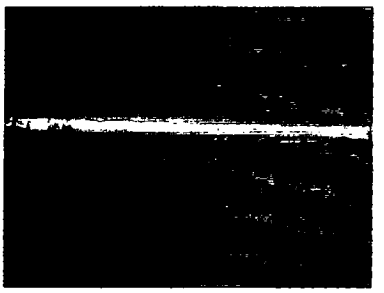




Table of Contents

Section	Page
Well Abstract	1-1
Well Summary	2-1
Daily Drilling Summary	3-1
Casing Strings	4-1
Bit Record Summary (IADC)	5-1
Core Descriptions	8-1
Logging Reports	9-1
Test Reports	10-1
Directional Survey Points	12-1
Abandonment Plugs	13-1
Formation Tops	16-1
Sample Descriptions	19-1

EOG et al DEVO CREEK P-45 was spudded on January 5, 2002 by Akita Rig #51 to test the natural gas potential of the Mount Clark sandstone at a prognosed depth of 2484 m. Secondary targets included oil potential in the Hume and Arnica formations. The Hume and Arnica were to be encountered twice; once on surface hole on the hanging wall of the Hoosier thrust and again on the foot wall of the thrust in the intermediate hole.

The evaluation of the well was done with the collection of 5 meter samples from surface to FTD and 2.5 m samples over zones of interest. Also Continental Labs operated a total gas detector and chromatograph from surface to FTD. Their log is separate from this report and should be referred to for detailed hydrocarbon shows and composition.

A 445 mm conductor hole was drilled to a depth of 99.5 m. Deviation on this well was a concern from the beginning and a section of this hole had to be drilled using a pilot hole to keep deviation in check. A 339.7 mm conductor string was run and cemented to a depth of 99.5 m.

The conductor was drilled out using a 311 mm bit to a depth of 327 m. Good mudgas response was recorded over the Bluefish shales confirming its source potential. Core #1 was cut in the Hume formation from 327 - 345 m with 100% recovery. A small amount of live oil was noted bleeding from some of the open micro fractures in the core as well as some of the cuttings in the remainder of the Hume and Arnica formations. Once again, a pilot hole was used in an attempt to keep the potential deviation in check. The 222 mm pilot hole was drilled from 355 - 510 m, then opened to 311 mm. Surface casing depth was reached on January 15, 2002 at a depth of 517.5 m. Schlumberger logged the hole at this point and four open hole DSTs were conducted. DST #1 & #2 tested the Arnica and DST #3 & #4 tested the Hume. Each test had to be repeated with a longer flow period in order to obtain a good reservoir fluid sample. Formation water was recovered on DST #2 (Arnica) & DST #4 (Hume). The logs indicated the Hume to be overthickened by a thrust fault at 387 m. Approximately 50 m of the Hume is repeated in a highly deformed wedge from 387 - 430 m. A 244.5 mm surface casing string was run and cemented to a depth of 517.32 m.

The surface casing was drilled out using a 222 mm bit and at a depth of 564 m the deviation was already at 6 degrees. Sperry Sun was used to directionally drill the well back to vertical. An oil show was noted in the cuttings of the Bear Rock at 646 m although no mudgas response was recorded. Following some of the subsequent trips oil was noted on the shaker (still with no mudgas response) and was assumed to be coming from this zone at 646 m. Progress on the intermediate hole was slow but the wellbore was in good condition throughout. Intermediate casing point was picked two meters into the Saline River Salt at a depth of 1857 m. Schlumberger logged the intermediate hole segment and multiple MDT points were taken for pressure profiling. One formation water sample was obtained in the Ronning formation at a depth of 727.5 m. The logs indicated that the Hoosier fault was intersected at 746 m. Rather than a single fault repeating the upper Devonian - Silurian as prognosed, several imbricates were encountered that repeat the Bear Rock and Ronning formations. The FMI log indicates that the faulted Bear Rock anhydrites and thin dolomites are folded and steeply dipping to vertical. The Bear Rock in the footwall was encountered at 938 m. Minor faulting is evident in the Ronning. There were only occasional oil shows and mudgas responses from the dolomites of the Bear Rock. A 177.8 mm intermediate casing string was run and cemented to a depth of 1854.08 m.

A 156 mm bit was used to drill out the intermediate casing and the well was drilled to a final total depth of 2600 m in the PreCambrian. The Mount Clark consisted of tight sands and dolomites in samples and was not cored. The well was logged for a third and final time by Schlumberger. There was a mudgas anomaly just below the salt section therefore DST #5 was run over the Mount Cap from 2298.5 - 2326 m. The test indicated a very tight interval.

The well was abandoned and the rig was released on March 15, 2002 at 12:00 hrs.

Well Summary

Storage Units: Metric

Well Information

Operator:	**EOG RESOURCES CANADA INC.**
Well Name:	**EOG et al DEVO CREEK P-45**
Location:	**Unit P Section 45**
UWI:	300P456530127300
Pool:	NPW
Field:	NFW
State / Province:	N.W.T.
Country:	Canada
License Number:	WID 1914
Well Status:	**PLUGGED and ABANDONED**

Surface Co-ordinates

Hole Type: Vertical **Fault Indicator:** Yes

Latitude: **Longitude:**

N / S: 65 degrees 24 minutes 52.193 seconds north
E / W: 127 degrees 37 minutes 43.882 seconds west

Bottom Hole Co-ordinates

Latitude: **Longitude:**

N / S:
E / W:

Elevations

Reference: Ground level

Ground Elevation:	154.10	**Kelly Bushing to Ground:**	6.20
Kelly Bushing Elevation:	160.30	**Cut (-):**	
Casing Flange Elevation:	154.10	**Fill (+):**	

Total Depth

	Measured Depth	True Vertical Depth
Total Depth Driller (Tally) :	2,600.00	2,596.09
Total Depth Driller (Strap or SLM):	2,599.47	2,595.69
Total Depth Logger:	2,601.50	2,597.71

Miscellaneous Depths

Plugback Depth: **Water Depth Reference:**
Sidetrack Depth: **Water Depth:**

Well Summary

Drilling Contractor: Akita Rig #51 **Spud Date:** Jan 5, 2002 @ 11:00
Rig Release Date: Mar 15, 2002 @ 12:00 **Total Depth Date:** Mar 8, 2002 @ 05:30

Cores	#	Formation	Interval		Cut	Recovered	%
	1	Hume	327.00	345.00	18.00	18.00	100.00

Casing Summary

Casing Type	Casing Size	Landed Depth	Hole Size
Conductor	339.7	99.50	445.0
Surface casing	244.5	517.32	311.0
Intermediate casing	177.8	1,854.08	222.0

Logging Summary

Company	Engineer	Total Depth (MD)	Logging tools
Schlumberger	Shady Kabel	517.50	DLT-MSFL-BHC-GR; 517.8 - 99.5 m; good run DIT-LDT-CNL-MLT-GR; 517.8 - 99.5 m; good run FMI-GR; 517.8 - 99.5 m; good run
	Shady Kabel/Kelly E	1,857.00	DLT-MSFL-BHC-GR; 1857 - 517.5 m; good run DIT-LDT-CNL-MLT-GR; 1857 - 517.5 m; good run FMI-GR; 1857 - 517.5 m; good run MDT-GR; 1309.8 - 645.5 m; 5 successful pressures and 1 sample
	Shadi Kabel	2,600.00	DLT-CNL-LDT-Pe-MSFL-MLT-SP-GR-XYCAL; 2601.5 - 1852 m; good run FMI-BHCS-GR-CAL; 2601.5 - 1852 m; good run

Casing Data Summary

Storage Units: Metric

Casing Type: Conductor

Casing Size:	339.7	**Hole Size:**	445.0
Casing Landed @:	99.50	**Total Joints:**	7
Casing Date:	Jan 6, 2002 @ 21:15	**Plug Down Date:**	Jan 6, 2002 @ 23:46

# of Joints / Length / O.D. / Weight: Ran 7 joints of 339.7 mm, 81.8 kg/m, J-55, conductor barrel. Total length 100.37 m. Landed at 99.5 m.

Cementing Details: Pump 3 m3 preflush water followed with 18 T of Arctic set cement + 12% BWOW D-44 + 0.5% D-65 + 0.55% D-13 + 0.2% D-46. Displaced with 7 m3 water.

Remarks: 2 m3 good cement returns. Float not holding. Re-bump and shut in.

Casing Type: Surface casing

Casing Size:	244.5	**Hole Size:**	311.0
Casing Landed @:	517.32	**Total Joints:**	41
Casing Date:	Jan 19, 2002 @ 04:30	**Plug Down Date:**	Jan 19, 2002 @ 08:38

# of Joints / Length / O.D. / Weight: Ran 41 joints of 244.5 mm, 53.57 kg/m, J-55, LT&C, new casing. Total length 518.66 m. Landed at 517.32 m.

Cementing Details: Pump 3 m3 preflush water. Mix and pump 34 T Arctic set + 12% BWOW D-44 + 0.5% D-65 + 0.7% D-13 + 0.2% D-46. Displaced with 20.9 m3 water. Plug down Jan 19, 2002 at 0838 hrs.

Remarks: 6 m3 good cement returns. Full returns throughout. Float and annulus held.

Casing Type: Intermediate casing

Casing Size:	177.8	**Hole Size:**	222.0
Casing Landed @:	1,854.08	**Total Joints:**	145
Casing Date:	Feb 16, 2002 @ 15:30	**Plug Down Date:**	Feb 16, 2002 @ 19:51

# of Joints / Length / O.D. / Weight: Ran 26 jts of 177.8 mm, 38.69 kg/m and 115 jts of 177.8 mm, 34.23 kg/m, follwed with 2 jts of 177.8 mm, 38.69 kg/m, casing. All joints J-55 & LT&C. Also run a fluted mandrel joint and a landing joint. Total length 1854.68 m. Landed at 1854.08 m.

Cementing Details: Pump 3m3 CW100 preflush, 4m3 Mudpush XL. Mix and pump 36.5 T RFC + 1.0% B139 + 0.4% D13 + 0.2% D46. Displaced with 37.9 m3 water. Plug down 1951 hrs Feb 16, 2002.

Remarks: Bumped plug with 19500 kPa. 5 m3 good cement returns. Float and annulus held.

Daily Drilling Summary

Storage Units: Metric

Date	Depth	Progress	Rotating Hours	Avg. P.R.	Daily Costs	Formation	Operational Status @ Report Time
Jan 2, 02	0.00		0.00	0.0	$26,421		at 0800 hrs: Moving rig
Jan 3, 02	0.00	0.00	0.00	0.0	$27,881		at 0800 hrs: Rig up
Jan 4, 02	0.00	0.00	0.00	0.0	$89,484		at 0800 hrs: Mix spud mud
Jan 5, 02	71.00	71.00	9.25	7.7	$250,971	Imperial	at 0800 hrs: Ream pilot hole
Jan 6, 02	100.00	29.00	5.75	5.0	$754,235	Canol	at 0800 hrs: Cut conductor
Jan 7, 02	138.00	38.00	7.25	5.2	$53,766	Kee Scarp	at 0800 hrs: Circ. sample at 164 m
Jan 8, 02	273.00	135.00	21.50	6.3	1,532,162	Hare Indian	at 0800 hrs: Drilling at 319 m
Jan 9, 02	327.00	54.00	10.75	5.0	$49,204	Hume	at 0800 hrs: Cutting core #1
Jan 10, 02	345.00	18.00	13.00	1.4	$121,629	Hume	at 0800 hrs: Drilling at 353 m
Jan 11, 02	383.00	38.00	17.25	2.2	$65,032	Hume	at 0800 hrs: Drilling at 409 m
Jan 12, 02	464.00	81.00	22.50	3.6	$46,756	Hume	at 0800 hrs: Drilling at 482 m
Jan 13, 02	510.00	46.00	17.50	2.6	$62,385	Bear Rock	at 0800 hrs: Ream pilot hole
Jan 14, 02	510.00	0.00	0.00	0.0	$44,762	Bear Rock	at 0800 hrs: Wiper trip for logging
Jan 15, 02	518.00	7.50	3.00	2.5	$43,646	Bear Rock	at 0800 hrs: RIH with DST #1
Jan 16, 02	519.00	1.00	0.00	0.0	$98,733	Bear Rock	at 0800 hrs: Run DST #2
Jan 17, 02	519.00	0.00	0.00	0.0	$100,458	Bear Rock	at 0800 hrs: Make up DST #4
Jan 18, 02	519.00	0.00	0.00	0.0	$95,227	Bear Rock	at 0800 hrs: Cementing casing
Jan 19, 02	519.00	0.00	0.00	0.0	$266,820	Bear Rock	at 0800 hrs: Pressure testing
Jan 20, 02	519.00	0.00	0.00	0.0	$46,408	Bear Rock	at 0800 hrs: Drilling at 523 m
Jan 21, 02	559.00	40.50	12.75	3.2	$46,948	Bear Rock	at 0800 hrs: Trip bit
Jan 22, 02	564.00	5.00	3.25	1.5	$71,559	Bear Rock	at 0800 hrs: Drilling at 575 m
Jan 23, 02	627.00	63.00	12.25	5.1	$72,082	Bear Rock	at 0800 hrs: Drilling at 642 m
Jan 24, 02	718.00	91.00	17.75	5.1	$63,123	Ronning	at 0800 hrs: Drilling at 756 m
Jan 25, 02	778.00	60.00	13.00	4.6	$70,945	Ronning	at 0800 hrs: Drilling at 812 m
Jan 26, 02	883.00	105.00	21.75	4.8	$60,097	Ronning	at 0800 hrs: Drilling at 920 m
Jan 27, 02	959.00	76.00	14.25	5.3	$71,596	Bear Rock	at 0800 hrs: Drilling at 991 m
Jan 28, 02	1,063.00	104.00	20.25	5.1	$58,511	Bear Rock	at 0800 hrs: Drilling at 1104 m
Jan 29, 02	1,168.00	105.00	21.25	4.9	$58,895	Bear Rock	at 0800 hrs: Hoist bit #9
Jan 30, 02	1,225.00	57.00	11.25	5.1	$71,800	Ronning	at 0800 hrs: Drilling at 1258 m
Jan 31, 02	1,305.00	80.00	16.25	4.9	$58,384	Ronning	at 0800 hrs: Drilling at 1311 m
Feb 1, 02	1,319.00	14.00	3.25	4.3	$60,222	Ronning	at 0800 hrs: RIH with PDC bit
Feb 2, 02	1,325.00	6.00	0.00	0.0	$59,134	Ronning	at 0800 hrs: Reaming at 936 m
Feb 3, 02	1,325.00	0.00	0.00	0.0	$54,632	Ronning	at 0800 hrs: Drilling at 1330 m
		Accumulated Daily Costs:			$7,725,213		

Daily Drilling Summary

Storage Units: Metric

Date	Depth	Progress	Rotating Hours	Avg. P.R.	Daily Costs	Formation	Operational Status @ Report Time
Feb 4, 02	1,331.00	6.00	5.25	1.1	$67,376	Ronning	at 0800 hrs: Drilling at 1360 m
Feb 5, 02	1,408.00	77.00	21.50	3.6	$61,385	Ronning	at 0800 hrs: Drilling at 1436 m
Feb 6, 02	1,487.00	79.00	21.50	3.7	$56,270	Ronning	at 0800 hrs: Drilling at 1509 m
Feb 7, 02	1,549.00	62.00	22.00	2.8	$55,094	Ronning	at 0800 hrs: Hoist bit
Feb 8, 02	1,579.00	30.00	9.25	3.2	$78,676	Ronning	at 0800 hrs: Drilling at 1611 m
Feb 9, 02	1,660.00	81.00	20.25	4.0	$54,526	Ronning	at 0800 hrs: RIH with bit #15
Feb 10, 02	1,716.00	56.00	15.25	3.7	$71,093	Ronning	at 0800 hrs: Drilling at 1746 m
Feb 11, 02	1,760.00	44.00	11.50	3.8	$70,286	Ronning	at 0800 hrs: Drilling at 1780 m
Feb 12, 02	1,828.00	68.00	21.75	3.1	$54,711	Saline River Shale	at 0800 hrs: Drilling at 1854 m
Feb 13, 02	1,857.00	29.00	8.00	3.6	$60,243	Saline River Salt	at 0800 hrs: Logging with Schlumberger
Feb 14, 02	1,857.00	0.00	0.00	0.0	$50,249	Saline River Salt	at 0800 hrs: Logging with Schlumberger
Feb 15, 02	1,857.00	0.00	0.00	0.0	$270,142	Saline River Salt	at 0800 hrs: Running casing
Feb 16, 02	1,857.00	0.00	0.00	0.0	$231,278	Saline River Salt	at 0800 hrs: Make up BHA
Feb 17, 02	1,857.00	0.00	0.00	0.0	$67,642	Saline River Salt	at 0800 hrs: Drilling out
Feb 18, 02	1,933.00	76.00	19.50	3.9	$55,930	Saline River Salt	at 0800 hrs: Work stuck pipe
Feb 19, 02	1,963.00	30.00	3.75	8.0	$50,287	Saline River Salt	at 0800 hrs: Drilling ahead
Feb 20, 02	2,049.00	86.00	15.00	5.7	$65,061	Saline River Salt	at 0800 hrs: Drilling at 2095 m
Feb 21, 02	2,123.00	74.00	13.75	5.4	$54,930	Saline River Salt	at 0800 hrs: Drilling at 2175 m
Feb 22, 02	2,249.00	126.00	22.00	5.7	$60,510	Mount Cap	at 0800 hrs: Drilling at 2270 m
Feb 23, 02	2,310.00	61.00	22.75	2.7	$47,900	Mount Cap	at 0800 hrs: Drilling at 2327 m
Feb 24, 02	2,330.00	20.00	13.25	1.5	$57,221	Mount Cap	at 0800 hrs: Drilling at 2341 m
Feb 25, 02	2,360.00	30.00	22.50	1.3	$49,122	Mount Cap	at 0800 hrs: Run in with new bit
Feb 26, 02	2,362.00	2.00	4.00	0.5	$58,903	Mount Cap	at 0800 hrs: Drilling at 2363 m
Feb 27, 02	2,372.00	10.00	9.50	1.1	$61,902	Mount Cap	at 0800 hrs: Drilling at 2378 m
Feb 28, 02	2,404.00	32.00	19.50	1.6	$46,612	Mount Cap	at 0800 hrs: Drilling at 2414 m
Mar 1, 02	2,415.00	11.00	9.00	1.2	$60,877	Mount Cap	at 0800 hrs: Drilling at 2424 m
Mar 2, 02	2,448.00	33.00	20.50	1.6	$48,735	Mount Cap	at 0800 hrs: Drilling at 2461 m
Mar 3, 02	2,486.00	38.00	20.00	1.9	$52,636	Mount Cap	at 0800 hrs: Drilling at 2496 m
Mar 4, 02	2,517.00	31.00	23.25	1.3	$60,364	Mount Cap	at 0800 hrs: Drilling at 2528 m
Mar 5, 02	2,546.00	29.00	20.75	1.4	$52,003	Mount Cap	at 0800 hrs: Run in with new bit
Mar 6, 02	2,553.00	7.00	9.00	0.8	$63,205	Mount Cap	at 0800 hrs: Drilling at 2564 m
		Accumulated Daily Costs:			$7,725,213		

Daily Drilling Summary

Storage Units: Metric

Date	Depth	Progress	Rotating Hours	Avg. P.R.	Daily Costs	Formation	Operational Status @ Report Time
Mar 7, 02	2,586.00	33.00	20.50	1.6	$49,375	PreCambrian	at 0800 hrs: Wiper trip for logging
Mar 8, 02	2,600.00	14.00	5.25	2.7	$49,740	PreCambrian	at 0800 hrs: Logging with Schlumberger
Mar 9, 02	2,600.00	0.00	0.00	0.0	$217,765	PreCambrian	at 0800 hrs: Hoist DST #5
Mar 10, 02	2,600.00	0.00	0.00	0.0	$50,908	PreCambrian	at 0800 hrs: WOC plug #1
Mar 11, 02	2,600.00	0.00	0.00	0.0	$90,544	PreCambrian	at 0800 hrs: Feel plug #2
Mar 12, 02	2,600.00	0.00	0.00	0.0	$43,061	PreCambrian	at 0800 hrs: Rig in lubricator
Mar 13, 02	2,600.00	0.00	0.00	0.0	$82,998	PreCambrian	at 0800 hrs: Run plug #4
Mar 14, 02	2,600.00	0.00	0.00	0.0	$184,751	PreCambrian	at 0800 hrs: Tear out BOP's
Mar 15, 02	2,600.00	0.00	0.00	0.0	$38,003	PreCambrian	at 0800 hrs: Tear out rig
Mar 16, 02	2,600.00	0.00	0.00	0.0	$34,275	PreCambrian	at 0800 hrs: Move rig to Norman Wells
Mar 17, 02	2,600.00	0.00	0.00	0.0	$32,216	PreCambrian	at 0800 hrs: Move rig
Mar 18, 02	2,600.00	0.00	0.00	0.0	$2,500	PreCambrian	at 0800 hrs: Move equipment south

Accumulated Daily Costs: $7,725,213

Bit Record Table (IADC Grading System)

Storage Units: Metric

*** For more detailed Bit Information refer to Bit Record ***

Bit #	Make	Type	Size	Depth In	Depth Out	Made	Hours	Avg. P.R.	I.A.D.C. Bit Condition							
									I	O	MDC	Loc	B	G	ODC	RP1	RP2
1	Securit	S33S	445.0	22.0	52.0	30.0	5.75	5.2	1	1	WT	A	E	I	NO	DEV	
2	Smith	FDT	311.0	52.0	90.0	38.0	8.00	4.8	1	1	WT	A	E	I	NO	PR	
1RR	Securit	S33S	445.0	90.0	100.0	10.0	0.75	13.3	1	1	WT	A	E	I	NO	TD	
2RR	Smith	FDT	311.0	100.0	320.0	220.0	36.50	6.0	4	4	WT	A	E	I	NO	PR	
3	Smith	FDSS+I	311.0	320.0	327.0	7.0	3.00	2.3	1	1	WT	A	E	I	NO	CP	
1C	FDC	L/ISTP	165.0	327.0	345.0	18.0	13.00	1.4	1	1	LC	H		I	NO	BHA	
3RR	Securit	FDSS+I	311.0	345.0	355.0	10.0	8.00	1.3	1	1	WT	A	E	I	NO	DEV	
4	Smith	F1OT	222.0	355.0	510.0	155.0	49.25	3.1	1	2	WT	H	E	I	NO	BHA	
5	Smith	F1OT	311.0	510.0	517.0	7.0	3.00	2.3	1	1	WT	A	E	I	NO	TD	
4RR	Smith	F1OT	222.0	518.0	564.0	46.0	16.00	2.9	3	3	BT	M	E	I	WT	BHA	
6	Smith	F1OT	222.0	564.0	627.0	63.0	12.25	5.1	2	5	BT	H	E	I	FC	BHA	
7	Smith	F15H	222.0	627.0	757.0	130.0	25.50	5.1	8	8	BT	A	F	4	CI	PR	
8	Smith	F3H	222.0	757.0	959.0	202.0	41.25	4.9	5	4	BT	H	E	I	FC	PR	
9	Reed	TD53AI	222.0	959.0	1,170.0	211.0	42.50	5.0	2	3	BT	H	E	I	CT	PR	
10	Reed	HP52A	222.0	1,170.0	1,305.0	135.0	25.75	5.2	8	8	BT	A	F	1	CT	TQ	
11	UD	UD513	222.0	1,305.0	1,319.0	14.0	3.50	4.0	7	8	RG	A		63	BC	PR	
RR9	Reed	TD53AI	222.0	1,319.0	1,325.0	6.0	1.75	3.4	2	3	BT	H	E	I	CT	BHA	
12	UD	UD513	222.0	1,325.0	1,329.0	4.0	4.50	0.9	3	7	BT	H		2	RG	PR	
13	Smith	F3H	222.0	1,329.0	1,564.0	235.0	71.25	3.3	5	7	LT	A	E	4	RG	PR	
14	Smith	F3H	222.0	1,564.0	1,660.0	96.0	24.00	4.0	8	8	LT	A	E	I	BT	PR	
15	Reed	TD53AI	222.0	1,660.0	1,753.0	93.0	24.25	3.8	8	7	LT	A	E	I	BT	PR	
16	Smith	F4	222.0	1,753.0	1,857.0	104.0	32.25	3.2	1	2	WT	A	E	I	NO	TD	
17	Reed	SL53A	156.0	1,857.0	1,963.0	106.0	23.25	4.6	2	2	NO	A	E	I	NO	HP	
18	Reed	SL53A	156.0	1,963.0	2,117.0	154.0	26.75	5.8	2	2	WT	A	E	I	NO	PR	
19	Reed	EHP53	156.0	2,117.0	2,325.0	208.0	53.50	3.9	3	4	FC	A	E	I	BT	PR	
17RR	Reed	SL53A	156.0	2,325.0	2,360.0	35.0	29.00	1.2	3	3	WT	A	E	I	NO	PR	
20	Reed	SI63A	156.0	2,360.0	2,361.0	1.0	3.00	0.3	1	1	NO	A	E	I	NO	PR	
21	Reed	EHP53	156.0	2,361.0	2,372.0	11.0	10.00	1.1	1	1	NO	A	E	I	NO	PR	
22	Smith	XR15T	156.0	2,372.0	2,415.0	43.0	28.50	1.5	6	2	BT	M3	F	I	ER	PR	
23	Smith	XR20T	156.0	2,415.0	2,546.0	131.0	84.50	1.6	6	6	BT	A	E	I	FC	PR	

Total Rotating Hours: 745.25

Bit Record Table (IADC Grading System)

Storage Units: Metric

*** For more detailed Bit Information refer to Bit Record ****

Bit #	Make	Type	Size	Depth In	Depth Out	Made	Hours	Avg. P.R.	I.A.D.C. Bit Condition							
									I	O	MDC	Loc	B	G	ODC	RP1	RP2
24	Smith	XR20T	156.0	2,546.0	2,600.0	54.0	34.75	1.6	5	5	BT	A	E	I	WT	TD	

Total Rotating Hours: 745.25

Core Report

Storage Units: Metric

Date: Jan 10,2002
Core #: 1
Formations Cored: Hume

Cored Interval

From:	327.00	**To:**	345.00	
Cut:	18.00	**Recovered:**	18.00	100.00%
Core Diameter:	89.0			

Coring Company: Foothills Diamond Coring Inc.
Service Representative: Al Potter

Core Bit Information

Bit Make:	FDC	**Bit Type:**	L/I STPX
Bit Size (OD):	165.0	**Serial #:**	L1-102
Original Hole Size:	311.0		

Remarks: Times:
10,11,14,11,11/13,15,15,15,10/10,11,12,10,7/11,12,10,10,10/9,9,9,11,11/8,9,12,12,13/
13,15,15,13,13/13,13,15,6,6/5,6,4,4,6/7,6,7,7,8/10,5,5,4,7/5,5,6,5,5/5,4,6,5,5,/5,6,6,4,3
/5,6,6,6,6/6,7,7,6,8/9,8,6,7,11/10,8,6,6,8

Detailed Core Descriptions

327.00 to 328.59 (1.59)
Limestone
light to medium brown, micro crystalline, hard to very hard, calcite cement, tight to rare very poor pin point porosity, very spotty bright yellow fluorescence and bleeding oil along micro fractures and pin point porosity, trace to common calcite filled fractures and micro fractures, trace bitumen filled stylolites, abundant fossils (crinoids, massive stromatoporoids, and tabular stromatoporoids)

328.59 to 332.73 (4.14)
Limestone
tan, crypto crystalline, very hard, calcite cement, tight, very scattered spotty fluorescence and very minor bleeding oil along micro fractures, abundant calcite filled fractures and micro fractures, trace sparry calcite, occasional pyrite

332.73 to 345.00 (12.27)
Limestone
medium to occasionally dark brown, slightly mottled in part, micro crystalline, very hard, calcite cement, tight to occasional very poor ineffective pin point and vuggy porosity, very poor fracture porosity, scattered spotty bright yellow fluorescence and bleeding oil along micro fractures, trace to common calcite filled fractures and micro fractures, trace bitumen filled stylolites, common to abundant fossils (massive stromatoporoids, tabular stromatoporoids), trace sparry calcite, occasionally very argillaceous

Wireline Logging Summary

Storage Units: Metric

Logging Suite Number: 1
Wireline Logging Company: Schlumberger
District: Norman Wells
Witness: Bob Cahill

Engineer: Shady Kabel
Unit Number: 8416

Was Pressure Control Equipment Utilized: No
Was the Logging Job Mechanically Assisted: No

Maximum Deviation: 2.100 °
Hole Size: 311.0

Total Lost Time:
Loggers' Total Down Time:
Total Job Time (From Rig up to Rig down): 12.00

	Measured Depth	True Vertical Depth
Casing Depth Driller	99.50	99.50
Casing Depth Logger	99.50	99.50
Total Depth Driller (Tally)	517.50	517.50
Total Depth Driller (Strap or SLM)		

General Remarks:

Logging Run #: 1
Date: Jan 15, 2002

Drilling Fluid Data

Drilling Fluid Type: Gel Chemical
Fluid Density: 1080.0 **Viscosity:** 78 **pH:** 10.0 **Fluid Loss:** 7.8

Mud Resistivity (Rm): 0.91 @ 21.0 °
Mud Resistivity (Rm) @ BHT: 0.73 @ 31.0 °
Mud Filtrate Resistivity (Rmf): 0.67 @ 16.0 °
Mud Cake Resistivity (Rmc): 1.03 @ 18.0 °

Maximum Temperature: 31.0 °
Source (Rmf): Flowline
Source (Rmc): Flowline

Logging Run Information

Date on Bottom: Jan 15, 2002
Total Depth Logger: 517.80 (MD) 517.80 (TVD)

Logging Tools: DLT-MSFL-BHC-GR; 517.8 - 99.5 m; good run
DIT-LDT-CNL-MLT-GR; 517.8 - 99.5 m; good run
FMI-GR; 517.8 - 99.5 m; good run

Remarks:

Hole Conditions: Very good

Wireline Logging Summary

Storage Units: Metric

Logging Suite Number: 2
Wireline Logging Company: Schlumberger
District: Norman Wells
Witness: Bob Cahill

Engineer: Shady Kabel/Kelly Berner
Unit Number: 8416

Was Pressure Control Equipment Utilized: No
Was the Logging Job Mechanically Assisted: No

Maximum Deviation: 7.300 °
Hole Size: 222.0

Total Lost Time:
Loggers' Total Down Time:
Total Job Time (From Rig up to Rig down): 39.00

	Measured Depth	True Vertical Depth
Casing Depth Driller	517.50	517.28
Casing Depth Logger	517.50	517.28
Total Depth Driller (Tally)	1,857.00	1,855.02
Total Depth Driller (Strap or SLM)	1,857.18	

General Remarks: Run #2 logs were tied into the logs from run #1.

Logging Run #: 1
Date: Feb 13, 2002

Drilling Fluid Data

Drilling Fluid Type: Gel Chemical
Fluid Density: 1070.0 **Viscosity:** 56 **pH:** 10.0 **Fluid Loss:** 8.6

Mud Resistivity (Rm): 0.75 @ 25.0 °
Mud Resistivity (Rm) @ BHT: 0.53 @ 45.0 °
Mud Filtrate Resistivity (Rmf): 0.68 @ 15.0 °
Mud Cake Resistivity (Rmc): 1.20 @ 12.0 °

Maximum Temperature: 45.0 °
Source (Rmf): Flowline
Source (Rmc): Flowline

Logging Run Information

Date on Bottom: Feb 14, 2002
Total Depth Logger: 1,857.00 (MD) 1,857.00 (TVD)

Logging Tools: DLT-MSFL-BHC-GR; 1857 - 517.5 m; good run
DIT-LDT-CNL-MLT-GR; 1857 - 517.5 m; good run
FMI-GR; 1857 - 517.5 m; good run
MDT-GR; 1309.8 - 645.5 m; 5 successful pressures and 1 sample

Remarks: MDT run in probe mode as packers were not available. Many lost packer seats likely due to fractures as seats were achieved in anhydrite and casing. Packer was like new when tool rigged out at surface.

Hole Conditions: Very good, 10 stand wiper trip prior to tripping out. Circulate 1.5 hours prior after wiper trip.

Wireline Logging Summary

Storage Units: Metric

Logging Suite Number: 3
Wireline Logging Company: Schlumberger
District: Norman Wells
Witness: Bob Cahill

Engineer: Shadi Kabel
Unit Number: 8416

Was Pressure Control Equipment Utilized: No
Was the Logging Job Mechanically Assisted: No

Maximum Deviation: 9.000 °
Hole Size: 156.0

Total Lost Time:
Loggers' Total Down Time:
Total Job Time (From Rig up to Rig down):

	Measured Depth	True Vertical Depth
Casing Depth Driller	1,854.08	1,852.10
Casing Depth Logger	1,852.00	1,850.02
Total Depth Driller (Tally)	2,600.00	2,596.22
Total Depth Driller (Strap or SLM)	2,599.47	

General Remarks:

Logging Run #: 3
Date: Mar 8, 2002

Drilling Fluid Data

Drilling Fluid Type: Salt Saturated
Fluid Density: 1270.0 **Viscosity:** 120 **pH:** 10.0 **Fluid Loss:** 8.5

Mud Resistivity (Rm): 0.05 @ 19.0 °
Mud Resistivity (Rm) @ BHT: 0.03 @ 65.0 °
Mud Filtrate Resistivity (Rmf): 0.04 @ 11.0 °
Mud Cake Resistivity (Rmc): 0.06 @ 15.0 °

Maximum Temperature: 65.0 °
Source (Rmf): Press
Source (Rmc): Press

Logging Run Information

Date on Bottom: Mar 9, 2002
Total Depth Logger: 2,601.50 (MD) 2,597.71 (TVD)

Logging Tools: DLT-CNL-LDT-Pe-MSFL-MLT-SP-GR-XYCAL; 2601.5 - 1852 m; good run
FMI-BHCS-GR-CAL; 2601.5 - 1852 m; good run

Remarks:

Hole Conditions: Tight on wiper trip but very good on main trip out

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Drill Stem Test Report

Storage Units: Metric

Run #:	1	**Date:**	Jan 16, 2002
Test #:	1	**Misrun:**	
Test Company:	Weatherford	**Closed Chamber Company:**	
Representative:	Alberto Scarione	**Representative:**	
Unit #:		**K.B. Elevation:**	160.30
Test Type:	Inflate Straddle		

Formations Tested **From the:** Arnica
To the: Hume

Test Interval: **From:** 462.00 (MD) **To:** 475.00 (MD) (13.00)
From: 462.00 (TVD) **To:** 475.00 (TVD) (13.00)

Total Depth: 517.50 (MD) 517.50 (TVD) ***(At the time of the Test)***

String Configuration:

Drilling Fluid Type and Properties: MD: 1080 pH: 10
VIS: 76 WL: 7.8

Cushion Type / Amount: None

Hole Condition: Very good

Bottom Hole Temperature: 36.0 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		5,236.0		
Flow 1	499.0	448.0	6	Dead. Also real time not working.
Shut-in 1		4,229.0	17	Real time started to work.
Flow 2	596.0	660.0	5	Dead.
Shut-in 2		4,240.0	52	
Final Hydrostatic		5,120.0		

Recovery: 35 m drilling mud

Analyses:

Remarks: Test was plugging on final flow period, the test was shutin for a final buildup and tripped to check recovery. No bubbles present at the bubble pail during the flow periods. Real time data used but only started working on the second flow.

Drill Stem Test Report

Storage Units: Metric

Run #: 2
Test #: 2
Test Company: Weatherford
Representative: Alberto Scarione
Unit #:
Test Type: Inflate Straddle

Date: Jan 17, 2002
Misrun:
Closed Chamber Company:
Representative:
K.B. Elevation: 160.30

Formations Tested **From the:** Arnica
To the: Hume

Test Interval: **From:** 462.00 (MD) **To:** 475.00 (MD) (13.00)
From: 462.00 (TVD) **To:** 475.00 (TVD) (13.00)

Total Depth: 518.50 (MD) 518.50 (TVD) ***(At the time of the Test)***

String Configuration:

Drilling Fluid Type and Properties: MD: 1085 pH: 10
VIS: 61 WL: 7.5

Cushion Type / Amount: None

Hole Condition: Very good

Bottom Hole Temperature: 36.0 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		5,138.0		
Flow 1	456.0	2,961.0	90	WAB increasing to bottom of pail in 13 minutes. NGTS. Released for 10 minutes, closed again and WAB in 3 minutes increasing to bottom of pail in 17 minutes. NGTS. After viewing charts plugging was observed during flow period.
Shut-in 1		4,254.0	182	
Final Hydrostatic		5,123.0		

Recovery: 46 m drilling fluid and 20 m muddy water

Analyses: Drilling mud filtrate = 550 mg/l chlorides
Recovered fluid = 13,000 mg/l chlorides

Remarks: Good test but plugging occurred during the flow period. Real time tool was not working. Samples sent to Core Labs. Samplers drained on location.

Drill Stem Test Report

Storage Units: Metric

Run #:	3	**Date:**	Jan 17, 2002
Test #:	3	**Misrun:**	
Test Company:	Weatherford	**Closed Chamber Company:**	
Representative:	Alberto Scarione	**Representative:**	
Unit #:		**K.B. Elevation:**	160.30
Test Type:	Inflate Straddle		

Formations Tested **From the:** Hume
To the: Hume

Test Interval: **From:** 320.00 (MD) **To:** 333.00 (MD) (13.00)
From: 320.00 (TVD) **To:** 333.00 (TVD) (13.00)

Total Depth: 518.50 (MD) 518.50 (TVD) ***(At the time of the Test)***

String Configuration:

Drilling Fluid Type and Properties: MD: 1085 pH: 10
VIS: 61 WL: 7.5

Cushion Type / Amount: None

Hole Condition: Very good

Bottom Hole Temperature: 29.0 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		3,590.0		
Flow 1	428.0	476.0	4	WAB increasing to FAB in 1 minute. NGTS.
Shut-in 1		2,798.0	57	
Flow 2	522.0	1,162.0	58	WAB in 1 minute, increasing slightly throughout. NGTS.
Shut-in 2		2,800.0	119	
Final Hydrostatic		3,576.0		

Recovery: 63 m drilling fluid

Analyses: Drilling filtrate = 550 mg/l chlorides
Recovery filtrate = 4200 mg/l chlorides

Remarks: Good test. Samples sent to Core Labs. Samplers drained on location. No obvious water recovered yet when the recovery samples are pressed the filtrate indicates a formation water recovery not a drilling filtrate.

Drill Stem Test Report

Storage Units: Metric

Run #:	4	**Date:**	Jan 18, 2002
Test #:	4	**Misrun:**	
Test Company:	Weatherford	**Closed Chamber Company:**	
Representative:	Alberto Scarione	**Representative:**	
Unit #:		**K.B. Elevation:**	160.30
Test Type:	Inflate Straddle		

Formations Tested **From the:** Hume
To the: Hume

Test Interval:	**From:**	320.00 (MD)	**To:**	327.00 (MD)	(7.00)
	From:	320.00 (TVD)	**To:**	327.00 (TVD)	(7.00)

Total Depth: 518.50 (MD) 518.50 (TVD) ***(At the time of the Test)***

String Configuration:

Drilling Fluid Type and Properties: MD: 1085 pH: 9.0
VIS: 61 WL: 7.5

Cushion Type / Amount: None

Hole Condition: Very good

Bottom Hole Temperature: 29.0 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		3,596.0		
Flow 1	423.0	2,227.0	180	WAB increasing to bottom of pail in 5 minutes then decreasing to WAB throughout. NGTS.
Shut-in 1		2,810.0	44	
Final Hydrostatic		3,501.0		

Recovery: 20 m drilling mud
90 m muddy brackish water

Analyses: Drilling fluid filtrate = 550 mg/l chlorides
Recovered fluid = 10,000 mg/l chlorides

Remarks: Good test. Samples sent to Core Labs. Samplers drained on location.

Drill Stem Test Report

Storage Units: Metric

Run #:	5	**Date:**	Mar 10, 2002
Test #:	5	**Misrun:**	
Test Company:	Weatherford	**Closed Chamber Company:**	Weatherford
Representative:	Troy McKenzie	**Representative:**	Duane Ricalton
Unit #:	C-Can	**K.B. Elevation:**	160.30
Test Type:	Dual Inflate Straddle		

Formations Tested **From the:** **Mount Cap**
To the: **Mount Cap**

Test Interval: **From:** 2,298.50 (MD) **To:** 2,326.00 (MD) (27.50)
From: 0.00 (TVD) **To:** 0.00 (TVD) (0.00)

Total Depth: 2,600.00 (MD) 2,596.22 (TVD) ***(At the time of the Test)***

String Configuration: See DST Report

Drilling Fluid Type and Properties: MD: 1270 Vis: 70
pH: 10.5 WL: 7.2

Cushion Type / Amount: 600 m water cushion

Hole Condition: Poor

Bottom Hole Temperature: 62.4 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		28,577.0		
Flow 1	6,583.0	6,592.0	7	Closed chamber mode. Gained 0.7 kpa of surface pressure over 7 mins. dP/dT: 0.1 kPa/min.
Shut-in 1		18,395.0	300	Did not build up fully.
Flow 2				lost packer seat upon cycling tool for final flow.
Final Hydrostatic		28,386.0		

Recovery: 2 m drilling fluid

Analyses:

Remarks: Samples sent to AGAT Labs. All pressure data taken from outside recorder #434 at a depth of 2300.83 m. Lost packer seat upon cycling tool for final flow. Real time data was run.

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
30.00	29.99	1.880					
50.00	49.98	1.880					
57.00	56.98	1.500					
67.00	66.98	1.500					
77.00	76.97	1.250					
85.00	84.97	1.250					
103.00	102.97	0.880					
135.00	134.97	1.000					
159.00	158.96	1.125					
187.00	186.95	1.875					
214.00	213.94	1.880					
252.00	251.92	1.500					
279.00	278.91	1.750					
306.00	305.90	1.750					
314.00	313.89	1.750					
343.00	342.88	2.125					
370.00	369.86	1.750					
377.00	376.86	1.500					
405.00	404.85	1.500					
408.00	407.85	2.000					
432.00	431.83	1.750					
434.00	433.83	1.500					
460.00	459.83	0.750					
462.00	461.83	1.125					
478.00	477.83	1.000					
489.00	488.82	0.750					
510.00	509.82	2.000					
540.00	539.77	4.500	35.40	12.00	8.53	12.00	0.00
541.00	540.45	4.000					
547.12	546.87	4.900	34.70	12.48	8.86	12.48	1.70
556.28	555.99	5.600	32.40	13.18	9.33	13.18	2.39
560.00	559.37	6.000					
565.47	565.13	6.100	31.50	13.97	9.82	13.97	1.66
574.66	574.26	6.500	28.50	14.85	10.33	14.85	1.69
584.05	583.59	7.100	15.50	15.87	10.73	15.87	5.26
593.59	593.05	7.300	9.20	17.04	10.99	17.04	2.56

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
603.00	602.39	7.300	0.90	18.23	11.09	18.23	3.36
612.56	611.87	7.100	356.10	19.42	11.06	19.42	1.99
622.07	621.32	6.100	354.30	20.51	10.97	20.51	3.22
631.62	630.82	5.200	355.80	21.45	10.89	21.45	2.86
641.15	640.32	3.900	359.10	22.20	10.85	22.20	4.17
650.69	649.85	2.600	15.70	22.74	10.91	22.74	5.01
660.12	659.27	1.900	43.10	23.06	11.07	23.06	4.02
669.56	668.71	1.600	67.00	23.22	11.30	23.22	2.48
678.99	678.13	1.400	90.80	23.27	11.54	23.27	2.06
688.59	687.73	1.400	128.10	23.20	11.75	23.20	2.80
698.01	697.15	1.700	175.40	22.99	11.85	22.99	4.06
707.53	706.66	3.200	207.30	22.61	11.74	22.61	6.22
717.04	716.15	4.000	220.70	22.12	11.40	22.12	3.65
726.56	725.65	3.500	226.90	21.67	10.97	21.67	2.03
735.98	735.06	2.600	226.40	21.33	10.61	21.33	2.87
745.40	744.47	2.500	227.50	21.04	10.30	21.04	0.35
754.93	753.99	2.800	218.90	20.72	10.00	20.72	1.57
764.13	763.17	3.800	221.50	20.32	9.66	20.32	3.30
773.57	772.59	4.600	218.90	19.79	9.21	19.79	2.61
783.10	782.08	5.200	220.50	19.16	8.69	19.16	1.94
792.62	791.56	5.600	221.40	18.49	8.10	18.49	1.29
802.15	801.04	5.400	220.80	17.80	7.50	17.80	0.66
811.66	810.52	4.500	213.20	17.15	7.01	17.15	3.51
821.19	820.02	4.300	201.30	16.50	6.67	16.50	2.94
830.73	829.53	4.400	198.80	15.82	6.43	15.82	0.67
840.12	838.90	4.400	195.20	15.13	6.21	15.13	0.88
849.52	848.27	4.400	195.30	14.44	6.03	14.44	0.02
859.07	857.79	4.500	195.60	13.72	5.83	13.72	0.32
868.74	867.43	4.300	193.70	13.01	5.64	13.01	0.77
878.46	877.13	3.700	199.10	12.36	5.45	12.36	2.18
887.88	886.53	3.600	203.30	11.80	5.23	11.80	0.91
897.41	896.04	3.300	208.10	11.28	4.99	11.28	1.31
906.84	905.45	3.400	208.80	10.80	4.72	10.80	0.34
916.37	914.97	3.300	204.90	10.30	4.47	10.30	0.78
925.81	924.39	3.600	198.10	9.77	4.27	9.77	1.61
935.25	933.81	3.800	191.60	9.18	4.11	9.18	1.48

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
944.67	943.21	3.900	194.20	8.57	3.97	8.57	0.64
954.21	952.73	4.100	194.80	7.92	3.80	7.92	0.64
963.66	962.15	4.100	198.60	7.28	3.61	7.28	0.86
973.08	971.55	4.000	199.50	6.65	3.39	6.65	0.38
982.60	981.05	3.800	203.90	6.05	3.15	6.05	1.13
992.01	990.44	3.100	219.10	5.56	2.87	5.56	3.65
1,001.71	1,000.13	2.600	236.90	5.24	2.52	5.24	3.13
1,011.11	1,009.52	2.700	244.90	5.03	2.14	5.03	1.22
1,020.80	1,019.20	2.900	242.20	4.82	1.71	4.82	0.74
1,030.33	1,028.72	2.800	235.60	4.57	1.31	4.57	1.08
1,039.84	1,038.21	2.700	230.10	4.30	0.95	4.30	0.89
1,049.35	1,047.71	2.600	220.70	3.99	0.63	3.99	1.41
1,058.91	1,057.27	2.400	217.00	3.67	0.37	3.67	0.81
1,068.35	1,066.70	1.800	209.20	3.38	0.18	3.38	2.11
1,077.87	1,076.22	0.600	167.80	3.20	0.12	3.20	4.43
1,087.41	1,085.76	1.600	59.00	3.22	0.24	3.22	5.92
1,096.84	1,095.18	3.100	52.20	3.44	0.56	3.44	4.85
1,106.36	1,104.68	3.600	52.50	3.78	1.00	3.78	1.58
1,115.89	1,114.19	3.200	62.40	4.09	1.47	4.09	2.23
1,125.30	1,123.59	2.500	81.80	4.24	1.91	4.24	3.77
1,134.81	1,133.10	2.000	111.40	4.21	2.27	4.21	3.93
1,144.22	1,142.50	2.500	143.00	3.99	2.54	3.99	4.20
1,153.74	1,152.01	2.900	160.80	3.59	2.75	3.59	2.91
1,163.15	1,161.41	3.200	171.90	3.11	2.86	3.11	2.11
1,172.68	1,170.92	3.800	177.00	2.53	2.92	2.53	2.13
1,182.20	1,180.42	4.000	182.40	1.88	2.92	1.88	1.32
1,191.69	1,189.88	4.100	182.00	1.21	2.89	1.21	0.33
1,201.10	1,199.27	3.700	190.80	0.58	2.82	0.58	2.29
1,210.57	1,208.72	3.500	194.00	0.00	2.70	0.00	0.90
1,220.11	1,218.24	3.400	196.10	-0.56	2.55	-0.56	0.51
1,229.64	1,227.76	3.000	197.80	-1.07	2.39	-1.07	1.29
1,239.18	1,237.29	2.000	197.10	-1.46	2.27	-1.46	3.15
1,248.72	1,246.83	1.400	193.30	-1.74	2.19	-1.74	1.92
1,258.25	1,256.35	1.200	210.10	-1.93	2.12	-1.93	1.35
1,267.78	1,265.88	1.000	246.20	-2.05	1.99	-2.05	2.23
1,277.35	1,275.45	1.200	262.70	-2.10	1.81	-2.10	1.17

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
1,286.87	1,284.97	1.600	274.30	-2.10	1.58	-2.10	1.54
1,293.00	1,291.09	1.800	282.90	-2.08	1.40	-2.08	1.58
1,305.21	1,303.30	2.100	290.00	-1.96	1.01	-1.96	0.95
1,317.32	1,315.40	2.300	295.90	-1.77	0.58	-1.77	0.75
1,324.47	1,322.54	2.300	294.80	-1.65	0.32	-1.65	0.19
1,334.18	1,332.24	2.400	297.90	-1.47	-0.04	-1.47	0.50
1,343.81	1,341.87	2.300	294.40	-1.30	-0.39	-1.30	0.54
1,353.33	1,351.38	1.900	288.00	-1.17	-0.72	-1.17	1.46
1,362.85	1,360.90	1.400	283.20	-1.10	-0.98	-1.10	1.63
1,372.36	1,370.40	1.300	289.40	-1.04	-1.19	-1.04	0.56
1,381.79	1,379.83	1.000	292.70	-0.97	-1.37	-0.97	0.98
1,391.17	1,389.21	1.100	288.60	-0.91	-1.53	-0.91	0.40
1,400.66	1,398.70	1.200	290.90	-0.84	-1.71	-0.84	0.35
1,410.09	1,408.13	1.200	291.10	-0.77	-1.89	-0.77	0.01
1,419.36	1,417.39	1.200	271.80	-0.73	-2.08	-0.73	1.30
1,428.95	1,426.98	1.200	274.10	-0.72	-2.28	-0.72	0.15
1,438.47	1,436.50	1.000	260.00	-0.73	-2.46	-0.73	1.06
1,448.19	1,446.22	0.800	270.80	-0.75	-2.62	-0.75	0.81
1,457.68	1,455.71	0.700	255.30	-0.76	-2.74	-0.76	0.71
1,467.21	1,465.24	0.300	265.90	-0.78	-2.82	-0.78	1.29
1,476.75	1,474.78	0.200	75.30	-0.77	-2.83	-0.77	1.57
1,486.18	1,484.21	0.500	64.60	-0.75	-2.77	-0.75	0.97
1,495.69	1,493.72	0.700	44.80	-0.69	-2.70	-0.69	0.90
1,505.13	1,503.16	0.500	6.80	-0.61	-2.65	-0.61	1.38
1,514.65	1,512.68	0.700	3.90	-0.51	-2.64	-0.51	0.64
1,524.08	1,522.11	0.400	355.30	-0.42	-2.64	-0.42	0.99
1,533.50	1,531.53	0.100	274.40	-0.39	-2.65	-0.39	1.26
1,542.92	1,540.95	0.400	154.50	-0.42	-2.65	-0.42	1.46
1,552.35	1,550.38	0.500	159.00	-0.48	-2.62	-0.48	0.34
1,561.48	1,559.50	0.800	132.20	-0.56	-2.56	-0.56	1.38
1,571.02	1,569.04	1.000	123.00	-0.65	-2.44	-0.65	0.77
1,580.45	1,578.47	0.600	128.00	-0.73	-2.33	-0.73	1.29
1,589.87	1,587.89	0.900	103.50	-0.78	-2.22	-0.78	1.38
1,599.30	1,597.32	0.600	106.70	-0.81	-2.10	-0.81	0.96
1,608.73	1,606.75	0.400	118.00	-0.84	-2.02	-0.84	0.71
1,618.26	1,616.28	0.500	105.00	-0.87	-1.95	-0.87	0.45

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
1,627.70	1,625.72	0.300	73.30	-0.87	-1.89	-0.87	0.93
1,637.21	1,635.23	0.200	90.40	-0.86	-1.85	-0.86	0.39
1,646.72	1,644.74	0.200	115.20	-0.87	-1.82	-0.87	0.27
1,656.26	1,654.28	0.300	125.30	-0.89	-1.78	-0.89	0.34
1,665.69	1,663.71	0.300	114.40	-0.91	-1.74	-0.91	0.18
1,675.23	1,673.25	0.300	121.00	-0.94	-1.69	-0.94	0.11
1,684.77	1,682.79	0.400	165.60	-0.98	-1.66	-0.98	0.88
1,694.33	1,692.35	0.300	169.50	-1.04	-1.65	-1.04	0.32
1,703.85	1,701.87	0.500	158.80	-1.10	-1.63	-1.10	0.67
1,713.39	1,711.41	0.400	168.50	-1.17	-1.61	-1.17	0.39
1,722.92	1,720.94	0.500	166.50	-1.25	-1.59	-1.25	0.32
1,732.47	1,730.49	0.400	182.80	-1.32	-1.59	-1.32	0.51
1,741.98	1,740.00	0.500	176.00	-1.40	-1.58	-1.40	0.36
1,751.40	1,749.42	0.200	216.60	-1.45	-1.59	-1.45	1.18
1,760.91	1,758.93	0.300	233.70	-1.48	-1.62	-1.48	0.39
1,770.45	1,768.47	0.300	236.40	-1.51	-1.66	-1.51	0.04
1,780.19	1,778.21	0.300	259.90	-1.53	-1.71	-1.53	0.38
1,789.93	1,787.95	0.200	257.50	-1.53	-1.75	-1.53	0.31
1,799.65	1,797.67	0.200	238.90	-1.55	-1.78	-1.55	0.20
1,809.40	1,807.42	0.400	260.10	-1.56	-1.83	-1.56	0.69
1,819.14	1,817.16	0.400	317.60	-1.54	-1.89	-1.54	1.19
1,828.87	1,826.89	0.300	319.60	-1.50	-1.93	-1.50	0.31
1,838.60	1,836.62	0.600	11.80	-1.43	-1.93	-1.43	1.48
1,857.00	1,855.02	0.600	11.80	-1.24	-1.89	-1.24	0.00
1,864.00		1.000					
1,893.00		2.000					
1,913.00		2.500					
1,933.00		2.500					
1,963.00		2.000					
1,978.00		2.500					
2,016.00		2.000					
2,046.00		2.500					
2,074.00		2.500					
2,104.00		1.500					
2,133.00	MISRUN						
2,162.00		2.500					

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
2,191.00	MISRUN						
2,201.00		1.500					
2,231.00		0.500					
2,259.00		2.500					
2,284.00		2.000					
2,319.00		3.500					
2,332.00		9.000					
2,337.00		2.000					
2,415.00		7.500					
2,424.00	2,420.87	6.000	0.57	31.32	-0.99	31.32	0.29
2,458.00	2,454.72	4.750	1.57	34.51	-0.93	34.51	1.11
2,588.00	2,584.26	5.250	39.57	44.48	3.00	44.48	0.76

Abandonment Plug Summary

Storage Units: Metric

Plug #: 1
From: 2,600.0 **To:** 2,540.0
Amount of Cement Used: 1.8 **Volume:**
Density:
Cement Blend: Class G + 18% salt + 0.3% D-65 + 0.1% D-13
Date / Time Plug Down: Mar 11, 2002 @ 05:00

Plug Felt or Logged By:
Representative:
Date / Time Plug Felt or Logged:
Depth Plug Felt:

Remarks: No feel required. 20% excess cement run.

Plug #: 2
From: 2,355.0 **To:** 2,255.0
Amount of Cement Used: 5.5 **Volume:**
Density:
Cement Blend: Class G + 18% salt + 0.3% D-65 + 0.1% D-13
Date / Time Plug Down: Mar 11, 2002 @ 17:15

Plug Felt or Logged By: Drilling Rig
Representative:
Date / Time Plug Felt or Logged: Mar 12, 2002 @ 11:00
Depth Plug Felt: 2,260.0

Remarks: Plug felt with drill pipe. 40% excess cement run.

Plug #: 3
From: 1,882.0 **To:** 1,822.0
Amount of Cement Used: 3.3 **Volume:** 2.5
Density: 1,900
Cement Blend: Class G + 0.5% D-65
Date / Time Plug Down: Mar 12, 2002 @ 14:15

Plug Felt or Logged By: Drilling Rig
Representative:
Date / Time Plug Felt or Logged: Mar 12, 2002 @ 23:00
Depth Plug Felt: 1,831.0

Remarks: Plug felt with drill pipe. 40% excess cement run

Abandonment Plug Summary

Storage Units: Metric

Plug #: 4
From: 747.0 **To:** 687.0
Amount of Cement Used: 2.2 **Volume:**
Density:
Cement Blend: Class G neat
Date / Time Plug Down: Mar 14, 2002 @ 08:23

Plug Felt or Logged By: Drilling Rig
Representative:
Date / Time Plug Felt or Logged: Mar 14, 2002 @ 00:00
Depth Plug Felt: 688.0

Remarks: Plug felt with drill pipe.

Plug #: 5
From: 22.0 **To:** 0.0
Amount of Cement Used: 1.0 **Volume:**
Density:
Cement Blend: Class G neat
Date / Time Plug Down: Mar 14, 2002 @ 22:01

Plug Felt or Logged By:
Representative:
Date / Time Plug Felt or Logged:
Depth Plug Felt:

Remarks: No feel required.

Formation Top Summary

Storage Units: Metric

Kelly Bushing Elevation: 160.30 **Casing Flange Elevation:** 154.10
Ground Elevation: 154.10

***** All Depths measured from Kelly Bushing Elevation *****

Group *Formation* Member	Prognosis (TVD)	Sample Top (MD)	Sample Top (TVD)	Log Top (MD)	Log Top (TVD)	Subsea	Thickness
Canol	63.30	86.00	86.00	105.00	105.00	55.30	
Kee Scarp		138.00	138.00	138.00	138.00	22.30	
Hare Indian	118.30	160.00	160.00	159.50	159.50	0.80	
Bluefish	263.30	290.00	290.00	290.00	290.00	-129.70	
Hume	288.30	312.00	312.00	312.50	312.50	-152.20	
Fault				385.00	385.00	-224.70	
Fault				415.00	415.00	-254.70	
Arnica	393.30	468.00	468.00	463.00	463.00	-302.70	
Bear Rock	416.30	487.00	487.00	485.00	485.00	-324.70	
Ronning	618.30	703.00	702.13	703.00	702.13	-541.83	
Fault				746.00	745.07	-584.77	
Bear Rock				746.00	745.07	-584.77	
Ronning				824.00	822.82	-662.52	

Formation Top Summary

Storage Units: Metric

Kelly Bushing Elevation: 160.30 **Casing Flange Elevation:** 154.10
Ground Elevation: 154.10

***** All Depths measured from Kelly Bushing Elevation *****

Group *Formation* Member	Prognosis (TVD)	Sample Top (MD)	Sample Top (TVD)	Log Top (MD)	Log Top (TVD)	Subsea	Thickness
Fault	831.30			938.00	936.55	-776.25	
Hare Indian	831.30					-671.00	
Blue Fish	838.30					-678.00	
Hume	863.30					-703.00	
Arnica	968.30					-808.00	
Bear Rock	991.30	954.00	954.00	938.00	936.55	-776.25	
Fault				1,010.00	1,008.41	-848.11	
Fault				1,118.00	1,116.30	-956.00	
Ronning	1,193.30	1,164.00	1,162.26	1,164.00	1,162.26	-1,001.96	
Fault				1,303.00	1,301.09	-1,140.79	
U. Saline River Shale	1,816.30	1,827.00	1,827.00	1,785.00	1,783.02	-1,622.72	
Saline River Salt	1,886.30	1,855.00	1,855.00	1,856.50	1,854.52	-1,694.22	
L. Saline River Shale				2,244.00	2,242.01	-2,081.71	

0.00 to 20.00 (20.00)	75%	**Cement**
	25%	**Shale** light gray, sub fissile to sub blocky, soft to moderately hard, trace finely disseminated pyrite, occasional carbonaceous flecks, occasionally micro micaceous, very minor sandstone in part, light gray to light brown, quartzose, very fine grain, tight, no shows
20.00 to 30.00 (10.00)	75%	**Shale** light to medium gray, sub blocky to blocky, moderately hard, trace finely disseminated pyrite, trace carbonaceous flecks, rare inoceramus, trace organic debris, occasional clear quartz grains
	25%	**Cement**
30.00 to 35.00 (5.00)	100%	**Shale** medium gray, sub fissile to sub blocky, moderately hard, trace finely disseminated pyrite, occasional very thin limestone stringers
35.00 to 40.00 (5.00)	95%	**Shale** predominately light gray, occasionally medium gray, fissile to sub fissile, moderately hard, trace finely disseminated pyrite, trace carbonaceous flecks, micro micaceous in part
	5%	**Siltstone** light gray, quartz, lithics, silt to occasional very fine grain, well sorted, sub round, moderately hard to hard, silica and argillaceous cement, tight, no shows, very argillaceous, trace mica flakes
40.00 to 50.00 (10.00)	100%	**Shale** light to occasionally medium gray, fissile to sub fissile, moderately hard, micro micaceous, trace finely disseminated pyrite, thin light to medium brown, dolomitic shale stringers
50.00 to 65.00 (15.00)	100%	**Shale** light to occasional medium gray, fissile to sub fissile, moderately hard, micro micaceous, trace carbonaceous flecks, trace finely disseminated pyrite
65.00 to 70.00 (5.00)	100%	**Shale** light to medium gray to medium brown gray, fissile to sub fissile, moderately hard to occasionally hard, slightly micro micaceous in part, slightly silty in part, very slightly calcareous in part
70.00 to 75.00 (5.00)	100%	**Shale** light brown gray to medium gray, fissile to sub fissile, moderately hard to hard, trace to common finely disseminated pyrite, slightly silty in part
75.00 to 80.00 (5.00)	100%	**Shale** light gray brown to medium gray, sub fissile to sub blocky, moderately hard to hard, trace to occasional common finely disseminated pyrite, occasional thin silty stringers

Formation Top Summary

Storage Units: Metric

Kelly Bushing Elevation: 160.30 **Casing Flange Elevation:** 154.10
Ground Elevation: 154.10

***** All Depths measured from Kelly Bushing Elevation *****

Group *Formation* Member	Prognosis (TVD)	Sample Top (MD)	Sample Top (TVD)	Log Top (MD)	Log Top (TVD)	Subsea	Thickness
Mount Cap	2,256.30	2,305.00	2,303.00	2,324.00	2,322.00	-2,161.70	
Mount Clark	2,469.30			2,472.00	2,468.67	-2,308.37	
PreCambrian	2,484.30			2,482.50	2,479.13	-2,318.83	
FTD	2,514.30	2,600.00	2,596.22	2,601.50	2,597.71	-2,437.41	

80.00 to 85.00 (5.00)	99%	**Shale** as above
	1%	**Sandstone** light gray to light brown, quartzose, very fine to lower fine grain, well sorted, sub round, hard, silica cement, tight, common light brown oil stain, abundant bright orange fluorescence, no cut
85.00 to 90.00 (5.00)	100%	**Shale** dark gray to black to light gray brown, sub fissile to sub blocky, occasionally platey, moderately hard to hard, occasional finely disseminated pyrite
90.00 to 95.00 (5.00)	100%	**Shale** light to medium gray to brown gray, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, rare pyrite nodules
95.00 to 100.00 (5.00)	100%	**Shale** medium brown gray to dark to very dark gray, fissile to sub blocky, platey in part, moderately hard to hard, occasional pyrite, carbonaceous in part
100.00 to 105.00 (5.00)	100%	**Shale** light gray brown to medium gray to occasionally dark gray, sub fissile to sub blocky, moderately hard to hard, occasional finely disseminated pyrite, occasional pyrite nodules
105.00 to 110.00 (5.00)	100%	**Shale** medium brown gray to light gray brown, sub blocky to blocky, hard, trace finely disseminated pyrite
110.00 to 115.00 (5.00)	100%	**Shale** light gray brown to predominately medium to dark gray, sub fissile to sub blocky, moderately hard to hard, occasional pyrite nodules, occasional finely disseminated pyrite, carbonaceous in part
115.00 to 125.00 (10.00)	100%	**Shale** very dark gray to black to occasionally light gray brown, sub blocky to blocky, hard, trace finely disseminated pyrite, occasional pyrite nodules, very slightly silty in part
125.00 to 130.00 (5.00)	80%	**Shale** as above
	20%	**Limestone** white to occasionally clear to light brown, mottled, micro crystalline, moderately hard, calcite cement, tight, no shows, trace pyrite, argillaceous to very argillaceous, grades to limy shale
130.00 to 135.00 (5.00)	100%	**Shale** light gray brown to medium to dark gray, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, calcareous to very calcareous, trace carbonaceous flecks, trace finely disseminated pyrite
135.00 to 140.00 (5.00)	80%	**Shale** as above

135.00 to 140.00 (5.00)	20%	**Limestone** white to light to medium brown, mottled in part, crypto to micro crystalline, hard, calcite cement, tight, no fluorescence, instant bright yellow green halo cut, argillaceous in part, trace pyrite, occasional sparry calcite
140.00 to 145.00 (5.00)	75%	**Limestone** white to cream to predominately tan to light brown, mottled in part, crypto to micro crystalline, hard, calcite cement, tight, no fluorescence, instant bright yellow green halo cut, cherty in part (trace to common massive chert fragments), rare clear calcite, argillaceous
	25%	**Shale** as above
145.00 to 150.00 (5.00)	80%	**Shale** medium to dark gray to light brown, sub fissile to sub blocky, moderately hard to hard, calcareous, trace finely disseminated pyrite
	20%	**Limestone** as above
150.00 to 155.00 (5.00)	90%	**Limestone** off white to predominately very light to light brown, occasionally medium brown, mottled in part, crypto to micro crystalline, occasionally very fine crystalline, hard, calcite cement, tight, no fluorescence, slow bright yellow green halo cut, trace clear sparry calcite, occasional pyrite, argillaceous
	10%	**Shale** as above
155.00 to 160.00 (5.00)	95%	**Limestone** cream to tan, occasionally white and medium brown, mottled in part, predominately micro to occasionally very fine crystalline, hard, calcite cement, tight to occasional very poor intercrystalline porosity, no fluorescence, very slow faint pale green halo cut, argillaceous in part, occasionally cherty, trace fossil fragments, very minor pyrite
	5%	**Shale** as above
160.00 to 175.00 (15.00)	85%	**Shale** very light to light gray, sub fissile to sub blocky, soft to moderately hard, calcareous to very calcareous, trace pyrite, occasional pyrite nodules, occasional carbonaceous flecks, rare fossils
	15%	**Limestone** as above
175.00 to 190.00 (15.00)	100%	**Shale** very light to predominately light gray, sub fissile to sub blocky, soft to moderately hard, occasionally hard, trace finely disseminated pyrite, calcareous to very calcareous, trace carbonaceous flecks

190.00 to 200.00 (10.00)	100% **Shale** very light gray, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, very slightly calcareous in part, micro micaceous to very micro micaceous, minor limestone
200.00 to 215.00 (15.00)	100% **Shale** very light to light gray, fissile to sub fissile, soft to predominately moderately hard, micro micaceous to very micro micaceous, occasional pyrite, occasional carbonaceous flecks
215.00 to 235.00 (20.00)	100% **Shale** very light to light gray, fissile to sub fissile, soft to moderately hard, micro micaceous, waxy in part, occasional pyrite
235.00 to 255.00 (20.00)	100% **Shale** very light to predominately light gray, occasional medium gray, fissile to sub blocky, moderately hard to occasionally hard, micro micaceous, occasional pyrite, occasional pyrite nodules, rare fossils with depth, very slightly calcareous in part, waxy in part
255.00 to 275.00 (20.00)	100% **Shale** very light to light gray, occasionally medium gray and brown gray, sub fissile to sub blocky, moderately hard to hard, waxy in part, micro micaceous, occasional pyrite
275.00 to 285.00 (10.00)	100% **Shale** predominately very light to light gray, fissile to sub fissile, moderately hard to hard, micro micaceous to very micro micaceous, waxy, rare calcite filled fractures, slightly calcareous in part
285.00 to 290.00 (5.00)	100% **Shale** 90% as above with 10% dark gray to dark brown gray, sub fissile to sub blocky, moderately hard, carbonaceous to very carbonaceous, slightly calcareous
290.00 to 295.00 (5.00)	100% **Shale** light gray brown to medium to dark gray to occasionally black, sub blocky to blocky, moderately hard, carbonaceous to very carbonaceous in part, calcareous in part, also 30% shale, very light gray, as above
295.00 to 300.00 (5.00)	100% **Shale** medium gray to occasionally black and medium gray brown, sub fissile to sub blocky, moderately hard to hard, carbonaceous in part, also shale from Hare Indian
300.00 to 305.00 (5.00)	100% **Shale** medium brown gray to medium gray to occasionally dark gray to black, fissile to sub fissile, moderately hard to hard, trace finely disseminated pyrite, carbonaceous in part, strong petroliferous odor
305.00 to 310.00 (5.00)	100% **Shale** medium to dark gray to black, sub fissile to sub blocky, moderately hard to hard, carbonaceous to very carbonaceous in part, occasional pyrite, occasional limy laminations, calcareous in part

310.00 to 315.00 (5.00)	85%	**Shale** as above
	15%	**Limestone** off white to light to medium brown, mottled in part, predominately micro crystalline, hard, calcite cement, tight, no shows, occasional slickenside, occasional hairline calcite filled fractures, slightly argillaceous to argillaceous in part
315.00 to 320.00 (5.00)	50%	**Limestone** cream to tan to light brown, occasionally medium brown gray, mottled in part, crypto to micro crystalline, hard to occasionally very hard, calcite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, trace fossils (ostracods et al), trace pyrite, slightly argillaceous to argillaceous
	50%	**Shale** varying shales from above
320.00 to 325.00 (5.00)	80%	**Limestone** white to off white to tan, slightly mottled in part, occasionally micro sucrosic, crypto to micro crystalline, hard to very hard, tight to poor intercrystalline porosity, occasional very poor pin point porosity, questionable very light brown oil stain, scattered orange yellow fluorescence, instant bright yellow ribbon cut (leaves a light brown oil residue), occasional clear calcite, occasional fossils, occasional pyrite
	20%	**Shale** as above
325.00 to 327.00 (2.00)	85%	**Limestone** white to tan to light to medium brown, mottled in part, crypto to predominately micro crystalline, occasionally very fine crystalline, hard, calcite cement, predominately tight to occasional very poor pin point porosity, occasional very poor intercrystalline porosity, trace bitumen stain, occasional questionable very light brown oil stain, no fluorescence or cut, trace clear calcite, trace pyrite
	15%	**Shale** as above
327.00 to 345.00 (18.00)	100%	**Cored Interval** See detailed core description #1
345.00 to 350.00 (5.00)	75%	**Limestone** off white to light to medium brown, crypto to predominately micro crystalline, hard to very hard, calcite cement, tight to occasional very poor intercrystalline porosity, very spotty bright yellow fluorescence, instant bright yellow ribbon cut, trace clear calcite, trace fossil fragments, occasional bitumen
	25%	**Shale** predominately Hare Indian cavings

350.00 to 355.00 (5.00)	70%	**Limestone** cream to very light to medium brown, occasionally dark brown, mottled, crypto to predominately micro crystalline, hard to very hard, calcite cement, tight, rare spotty bright yellow fluorescence, instant bright yellow to predominately faint green ribbon cut, trace to common fossil fragments, argillaceous in part
	30%	**Shale** Hare Indian cavings as above
355.00 to 360.00 (5.00)	100%	**Limestone** cream to tan to predominately medium to dark brown, mottled in part, micro crystalline, hard to very hard, tight, no shows, trace fossil fragments, argillaceous to very argillaceous in part, grades to very limy shale, occasional bitumen filled stylolites
360.00 to 365.00 (5.00)	100%	**Limestone** off white to white to tan to medium to dark brown, crypto to predominately micro crystalline, hard to very hard, calcite cement, tight, no shows, occasional fossil fragments, argillaceous to very argillaceous in part, grading to limy shale in part, occasional clear calcite
365.00 to 370.00 (5.00)	70%	**Limestone** white to off white to light to dark brown, mottled in part, micro to rare very fine crystalline, hard to very hard, calcite cement, tight, no shows, slightly argillaceous to very argillaceous in part, occasionally grading to limy shale, trace fossil fragments, trace clear calcite, occasional pyrite
	30%	**Shale** very light to light gray, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite
370.00 to 375.00 (5.00)	75%	**Shale** very light to predominately light gray, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, slightly calcareous, occasional carbonaceous material
	25%	**Limestone** white to off white to light brown gray, crypto to predominately micro crystalline, hard, calcite cement, tight, no shows, trace pyrite, common fossil fragments, occasional clear calcite
375.00 to 380.00 (5.00)	60%	**Limestone** off white to light to medium brown, occasional dark brown, mottled, micro crystalline, hard to very hard, calcite cement, tight, no shows, argillaceous in part, trace fossil fragments, trace clear calcite, trace pyrite
	40%	**Shale** very light to predominately light gray to green gray, sub fissile to sub blocky, moderately hard to hard, trace to occasional common finely disseminated pyrite, slightly calcareous

380.00 to 385.00 (5.00)	70%	**Limestone** predominately white to off white to light brown, occasionally medium brown and light brown gray, mottled in part, crypto to predominately micro crystalline, hard to very hard, calcite cement, tight, no shows, trace fossil fragments, trace pyrite, occasional clear calcite, slightly argillaceous to argillaceous in part
	30%	**Shale** as above
385.00 to 390.00 (5.00)	75%	**Limestone** white to off white to light brown, mottled in part, micro crystalline, hard to very hard, calcite cement, tight, trace bright yellow fluorescence, no cut, slightly argillaceous in part, trace pyrite, occasional fossil fragments, common clear to white calcite
	25%	**Shale** light gray to light brown, sub blocky to blocky, moderately hard to hard, trace to common finely disseminated pyrite, occasional carbonaceous flecks, calcareous
390.00 to 395.00 (5.00)	85%	**Limestone** light brown gray to gray brown to occasionally off white and medium brown, mottled in part, crypto to micro crystalline, hard, calcite cement, tight, scattered bright yellow fluorescence, no cut, argillaceous to occasionally very argillaceous in part, trace clear to white calcite, trace pyrite
	15%	**Shale** as above
395.00 to 405.00 (10.00)	75%	**Limestone** off white to light gray to light to medium brown, mottled in part, micro crystalline, hard, calcite cement, tight, trace bright yellow fluorescence, no cut, argillaceous to very argillaceous in part, grading to limy shale, trace pyrite, trace fossil fragments, trace clear to white calcite
	25%	**Shale** light gray to occasionally light brown, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, calcareous, waxy in part
405.00 to 410.00 (5.00)	75%	**Shale** very light to predominately light gray, occasional medium gray and light brown, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, slightly calcareous in part, slightly waxy in part
	25%	**Limestone** off white to light gray brown to brown gray, crypto to micro crystalline, hard to very hard, calcite cement, tight, trace bright yellow fluorescence, no cut, trace finely disseminated pyrite, slightly argillaceous in part, trace clear calcite
410.00 to 415.00 (5.00)	50%	**Limestone** white to off white to light brown gray to light brown, crypto to micro crystalline, hard to very hard, calcite cement, tight, trace bright yellow fluorescence, no cut, trace finely disseminated pyrite, trace clear calcite, occasional fossil fragments

410.00 to 415.00 (5.00)	50%	**Shale** as above
415.00 to 420.00 (5.00)	65%	**Limestone** white to light gray to very light brown, occasionally mottled, crypto to micro crystalline, hard to very hard, calcite cement, tight, scattered bright yellow fluorescence, no cut, trace pyrite, trace fossil fragments, argillaceous in part
	35%	**Shale** light gray to occasionally light brown, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, slightly calcareous in part, silty to occasionally very silty in part
420.00 to 430.00 (10.00)	75%	**Limestone** white to light brown to light gray to light gray brown, occasionally mottled, crypto to micro crystalline, hard, calcite cement, tight, no shows, argillaceous to very argillaceous in part, trace pyrite, trace fossil fragments
	25%	**Shale** as above
430.00 to 435.00 (5.00)	75%	**Limestone** predominately off white to very light brown, occasionally medium to dark brown, mottled in part, micro crystalline, hard, calcite cement, tight, scattered bright yellow fluorescence, no cut, trace to common clear to white calcite, occasional fossil fragments, trace finely disseminated pyrite, slightly silty in part
	25%	**Shale** light gray, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, slightly calcareous in part
435.00 to 440.00 (5.00)	80%	**Limestone** off white to tan, occasionally light to medium brown, mottled in part, micro crystalline, hard to very hard, calcite cement, tight, no shows, silty to sandy in part, trace pyrite, occasional fossil fragments, slightly argillaceous in part
	20%	**Shale** as above
440.00 to 445.00 (5.00)	65%	**Limestone** off white to light brown, mottled, micro crystalline, hard, calcite cement, tight, no shows, argillaceous to very argillaceous, silty to sandy in part, trace finely disseminated pyrite, occasional clear calcite
	35%	**Shale** light gray to rare green, sub fissile to sub blocky, moderately hard to hard, calcareous in part, trace finely disseminated pyrite
445.00 to 455.00 (10.00)	75%	**Limestone** off white to light brown to occasionally light gray, mottled in part, micro crystalline, hard, calcite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, silty to very silty in part, occasional pyrite, occasional fossil fragments

445.00 to 455.00 (10.00)	25%	**Shale** light brown to light gray, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, calcareous to very calcareous in part
455.00 to 460.00 (5.00)	90%	**Limestone** off white to light to medium brown, occasionally dark brown, mottled in part, micro to occasional very fine crystalline, hard to very hard, calcite cement, tight, no shows, argillaceous to very argillaceous in part, silty in part, trace calcite filled fractures, trace pyrite, occasional fossil fragments
	10%	**Shale** *light gray, sub fissile to sub blocky, moderately hard to hard, trace pyrite*
460.00 to 465.00 (5.00)	95%	**Limestone** beige to light to medium brown, occasionally off white, mottled in part, crypto to micro crystalline, hard to very hard, calcite cement, tight, no shows, slightly argillaceous to argillaceous in part, slightly silty in part, trace clear calcite, occasional pyrite, trace fossil fragments
	5%	**Shale** light gray to light green to light to medium brown, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, slightly calcareous to calcareous
465.00 to 470.00 (5.00)	75%	**Dolomite** beige to light to medium brown, micro to very fine crystalline, moderately hard to hard, dolomite with minor calcite cement, tight to occasional poor intercrystalline porosity, occasional poor vuggy and pin point porosity, scattered questionable oil stain, common dull orange fluorescence (after drying), instant green ribbon cut, trace bitumen, occasional clear calcite and calcite filled fractures
	25%	**Limestone** as above
470.00 to 475.00 (5.00)	90%	**Dolomite** light to occasionally medium brown, occasionally mottled with white, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor to fair intercrystalline porosity, poor pin point and vuggy porosity, minor bitumen stain, occasional questionable light brown oil stain, trace pale green fluorescence (after drying), instant bright green ribbon cut, occasional clear calcite, occasional pyrite
	10%	**Shale and Limestone** as above
475.00 to 480.00 (5.00)	100%	**Dolomite** light to medium brown, micro to very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, poor vuggy and pin point porosity, trace bitumen stain, trace questionable light brown oil stain, common pale green fluorescence (after drying), instant pale green ribbon cut, trace clear calcite

480.00 to 485.00 (5.00)

100% **Dolomite**
beige to light to medium brown, occasionally off white to light brown gray, mottled in part, micro to predominately very fine crystalline, hard, dolomite cement, tight to poor with occasional fair intercrystalline porosity, poor vuggy porosity, occasional poor intrafossil porosity, trace bitumen stain, trace pale green fluorescence (after drying), instant yellow green ribbon cut, occasional fossil fragments, occasional clear calcite

485.00 to 490.00 (5.00)

60% **Dolomite**
off white to very light to medium brown, mottled in part, micro to predominately very fine crystalline, hard, dolomite cement, poor to fair intercrystalline porosity, poor moldic porosity, trace to common bitumen stain, pale yellow green fluorescence (after drying), instant green ribbon cut

40% **Anhydrite**
white to clear to occasionally light brown, mottled in part, slightly micro sucrosic in part, micro crystalline, hard, anhydrite with minor dolomite cement in part, tight, no shows

490.00 to 495.00 (5.00)

80% **Dolomite**
tan to light to medium brown, mottled in part, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to poor intercrystalline porosity, trace bitumen stain, scattered to trace pale green fluorescence (after drying), instant green ribbon cut, trace white anhydrite patches

20% **Anhydrite**
white to cream to light brown, occasionally clear, mottled in part, sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows, occasional pyrite

495.00 to 500.00 (5.00)

70% **Dolomite**
cream to light to medium brown, mottled in part, predominately micro crystalline, dolomite and anhydrite cement, tight to occasional poor intercrystalline porosity, very minor bitumen stain, occasional bitumen filled stylolites, anhydritic in part

30% **Anhydrite**
clear to white to light gray to light brown, motttled in part, sucrosic in part, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part

500.00 to 505.00 (5.00)

60% **Dolomite**
cream to light brown, occasionally medium brown, mottled, micro crystalline, hard, dolomite cement, tight, no shows, slightly anhydritic in part, occasional bitumen filled stylolites

40% **Anhydrite**
clear to white to light gray to light brown, mottled in part, micro crystalline, moderately hard to hard, anhydrite cement, tight, very minor bitumen

505.00 to 510.00 (5.00)

60% **Dolomite**
tan to light brown, crypto to micro crystalline, hard to very hard, dolomite and anhydrite cement, tight, no shows, anhydritic in part

505.00 to 510.00 (5.00)	40%	**Anhydrite** white to very light gray to light brown, mottled, micro crystalline, sucrosic in part, anhydrite cement, tight, no shows, occasional pyrite
510.00 to 515.00 (5.00)	70%	**Dolomite** very light to light brown, occasionally mottled with white, micro to occasional very fine crystalline, dolomite cement, tight, no shows, very slightly anhydritic in part, occasional bitumen filled stylolites
	30%	**Anhydrite** clear to light brown to white, slightly mottled in part, sucrosic, micro crystalline, hard, anhydrite cement, tight, no shows
515.00 to 520.00 (5.00)	80%	**Dolomite** beige to tan to off white, micro crystalline, hard, dolomite cement, tight, no shows, trace clear anhydrite, slightly anhydritic in part, rare pyrite
	20%	**Anhydrite** white to occasionally clear, micro crystalline, anhydrite cement, tight, no shows
520.00 to 525.00 (5.00)	80%	**Dolomite** light to occasionally medium brown, mottled with white, micro to occasionally very fine crystalline, hard, dolomite cement, tight, no shows, trace pyrite, occasional anhydrite, occasional bitumen filled stylolites
	20%	**Anhydrite** white to clear to occasionally light gray, micro crystalline, hard, anhydrite cement, tight, no shows, trace pyrite
525.00 to 530.00 (5.00)	65%	**Dolomite** predominately light brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, occasional anhydrite blebs
	35%	**Anhydrite** white to clear to light gray, mottled in part, crypto to micro crystalline, sucrosic in part, anhydrite cement, tight, no shows, trace to occasional common pyrite
530.00 to 535.00 (5.00)	90%	**Dolomite** off white to light brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, occasional anhydrite filled fractures, occasional bitumen filled stylolites, very slightly argillaceous in part, occasional pyrite
	10%	**Anhydrite** clear to light gray, micro crystalline, hard, anhydrite cement, tight, no shows, trace pyrite
535.00 to 540.00 (5.00)	65%	**Anhydrite** white to light brown to light gray, mottled in part, sucrosic in part, crypto to predominately micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic to very dolomitic in part, occasional pyrite

535.00 to 540.00 (5.00)	35%	**Dolomite** light to occasionally medium brown, occasionally mottled, micro to occasionally very fine crystalline, hard, dolomite with minor anhydrite cement, tight, no shows, occasional pyrite, anhydritic in part
540.00 to 545.00 (5.00)	75%	**Dolomite** very light to light brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, no shows, trace pyrite, occasional anhydrite filled fractures
	25%	**Anhydrite** as above
545.00 to 550.00 (5.00)	70%	**Dolomite** tan to light to occasional medium brown, micro to occasionally very fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, occasional bitumen filled stylolites, occasional pyrite, occasional fossil fragments
	30%	**Anhydrite** white to light gray, mottled, micro sucrosic, micro crystalline, hard, anhydrite cement, tight, no shows, occasional pyrite
550.00 to 555.00 (5.00)	65%	**Dolomite** very light to light brown, mottled with white, crypto to micro crystalline, occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, no shows, trace anhydrite blebs, rare bitumen filled stylolites
	35%	**Anhydrite** light gray to predominately white, motttled, micro sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows, dolomitic in part
555.00 to 560.00 (5.00)	70%	**Dolomite** white to very light to light brown, mottled in part, crypto to micro crystalline, hard, dolomite cement, tight, no shows, slightly anhydritic in part
	30%	**Anhydrite** white to predominately light gray, micro crystalline, hard, anhydrite cement, tight, no shows, slightly dolomitic in part
560.00 to 570.00 (10.00)	65%	**Dolomite** very light to light brown, common white, mottled, micro crystalline, hard, dolomite cement, tight, no shows, occasional anhydrite blebs, rare finely disseminated pyrite
	35%	**Anhydrite** white to very light brown to light gray, mottled in part, crypto to micro crystalline, micro sucrosic in part, hard, anhydrite cement, tight, no shows
570.00 to 575.00 (5.00)	65%	**Dolomite** very light to light brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, no shows, occasional bitumen filled stylolites, occasional anhydrite blebs, occasional clear anhydrite (fracture fill)

570.00 to 575.00 (5.00)	35%	**Anhydrite** white to light gray to occasionally light brown, mottled in part, micro crystalline, micro sucrosic in part, anhydrite cement, tight, no shows, trace pyrite
575.00 to 580.00 (5.00)	80%	**Anhydrite** white to light gray to light brown, occasionally clear, mottled in part, micro crystalline, micro sucrosic in part, anhydrite cement, tight, no shows
	20%	**Dolomite** tan to light brown, occasionally off white to white, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, no shows, occasional anhydrite blebs, anhydritic to very anhydritic, rare bitumen filled stylolites
580.00 to 590.00 (10.00)	80%	**Anhydrite** off white to light gray to light brown, occasionally clear, mottled in part, micro crystalline, rare micro sucrosic texture in part, hard, anhydrite with occasional dolomite cement, tight, no shows, slightly dolomitic to occasionally dolomitic in part, argillaceous in part, trace pyrite
	20%	**Dolomite** light brown, micro crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic in part, occasional clear anhydrite (fractures)
590.00 to 595.00 (5.00)	90%	**Anhydrite** off white to light brown, occasionally clear to light gray, mottled in part, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic to very dolomitic, grades to anhydritic dolomite in part, argillaceous in part, trace pyrite
	10%	**Dolomite** very light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, predominately tight to occasional very poor intercrystalline porosity, very minor bitumen, anhydritic in part
595.00 to 600.00 (5.00)	60%	**Dolomite** off white to light to medium brown, micro to predominately very fine crystalline, occasional fine crystalline, hard, dolomite with minor anhydrite cement, predominately tight to occasional poor intercrystalline porosity, occasional very poor vuggy porosity, trace live oil stain, very minor bitumen stain, scattered bright green yellow fluorescence, instant bright yellow to yellow white cut, occasional anhydrite filled fractures, occasional bitumen filled stylolites
	40%	**Anhydrite** off white to light gray to light brown, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part, slightly argillaceous in part
600.00 to 605.00 (5.00)	90%	**Anhydrite** off white to light gray to light brown, mottled in part, occasionally chalky, predominately micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, occasional pyrite, slightly argillaceous in part
	10%	**Dolomite** as above

605.00 to 610.00 (5.00)

80% **Anhydrite**
off white to light brown to light gray, micro crystalline, rare micro sucrosic texture, hard, anhydrite and minor dolomite cement, tight, no shows, dolomitic in part, slightly argillaceous in part, trace pyrite

20% **Dolomite**
very light to light brown, mottled with white, micro to occasional very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic in part, occasional clear anhydrite, occasional light gray pyritic shale

610.00 to 620.00 (10.00)

85% **Anhydrite**
predominately off white to very light brown, occasionally light gray, occasionally mottled, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, trace pyrite, dolomitic to very dolomitic, occasionally grading to anhydritic dolomite

15% **Dolomite**
off white to light brown, micro to occasional very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic

620.00 to 625.00 (5.00)

80% **Anhydrite**
white to light gray, occasionally clear and light brown, mottled in part, chalky in part, predominately micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic to very dolomitic in part, grading in part to anhydritic dolomite

20% **Dolomite**
white to occasionally light brown, micro crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic, grading in part to dolomitic anhydrite

625.00 to 630.00 (5.00)

70% **Anhydrite**
light brown to light gray to off white, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, trace pyrite

30% **Dolomite**
off white to very light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, very minor bitumen, anhydritic in part, trace clear anhydrite (fracture fill)

630.00 to 635.00 (5.00)

50% **Anhydrite**
white to light gray to light brown, mottled in part, micro crystalline, rare micro sucrosic texture, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part, trace pyrite

50% **Dolomite**
off white to predominately very light to light brown, mottled in part, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, no shows, slightly anhydritic to anhydritic in part, trace clear anhydrite

635.00 to 645.00 (10.00)

80% **Anhydrite**
off white to predominately light brown to occasionally light gray, mottled in part, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part, trace pyrite

635.00 to 645.00 (10.00)	20%	**Dolomite** off white to very light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight, no shows, anhydritic in part
645.00 to 650.00 (5.00)	75%	**Dolomite** off white to predominately light brown, occasionally medium brown, micro to very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, trace bitumen, trace light brown live oil stain, common green yellow fluorescence, instant bright green white ribbon cut
	25%	**Anhydrite** off white to light gray to light brown, mottled in part, micro crystalline, micro sucrosic texture in part, hard, anhydrite cement, tight, no shows
650.00 to 660.00 (10.00)	80%	**Anhydrite** white to light gray to light brown, mottled, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part, slightly argillaceous in part, trace pyrite
	20%	**Dolomite** light to occasional medium brown, micro to very fine crystalline, hard, dolomite cement, tight, trace bitumen, anhydritic in part
660.00 to 665.00 (5.00)	70%	**Dolomite** light to medium brown to white, micro to predominately very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, occasional poor vuggy and pin point porosity, scattered yellow to white fluorescence, instant bright yellow ribbon cut, trace bitumen
	30%	**Anhydrite** white to light gray to very light brown, mottled in part, micro sucrosic in part, hard, anhydrite with minor dolomite cement, tight, no shows
665.00 to 670.00 (5.00)	70%	**Anhydrite** white to light brown, micro crystalline, micro sucrosic in part, hard, anhydrite and dolomite cement, tight, no shows, trace pyrite
	30%	**Dolomite** white to very light to light brown, very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, scattered bright yellow fluorescence, instant bright yellow white ribbon cut, minor bitumen, slightly anhydritic in part
670.00 to 680.00 (10.00)	85%	**Anhydrite** white to light brown to light gray, mottled, micro sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows, slightly dolomitic in part, trace pyrite
	15%	**Dolomite** as above

680.00 to 685.00 (5.00)	65%	**Dolomite** *white to predominately very light to light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, no shows, occasional pyrite, slightly anhydritic in part*
	35%	**Anhydrite** *off white to light gray to occasionally light brown, mottled in part, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part*
685.00 to 695.00 (10.00)	80%	**Anhydrite** *off white to white to predominately light gray, occasionally medium gray and light brown, mottled in part, micro crystalline, occasional micro sucrosic texture, hard, anhydrite cement, tight, no shows, slightly dolomitic in part, argillaceous in part, trace pyrite*
	20%	**Dolomite** *very light to light brown, micro to very fine crystalline, hard, dolomite and anhydrite* cement, tight, no shows, anhydritic in part
695.00 to 700.00 (5.00)	50%	**Anhydrite** light brown to light gray to white, mottled in part, micro sucrosic texture in part, micro crystalline, hard, anhydrite cement, tight, no shows, occasional pyrite
	50%	**Dolomite** light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, trace bitumen, slightly anhydritic in part, occasional very minor pyrite, rare clear anhydrite, occasional bitumen filled stylolites
700.00 to 705.00 (5.00)	75%	**Dolomite** off white to light brown, occasionally light gray, very fine crystalline, moderately hard to hard, dolomite cement, sucrosic in part, tight to poor with occasional fair intercrystalline porosity, trace bitumen, occasional bitumen filled stylolites, slightly anhydritic in part
	25%	**Anhydrite** as above
705.00 to 710.00 (5.00)	90%	**Dolomite** very light brown gray to predominately light brown, very fine to occasional fine crystalline, hard, dolomite cement, rhombic in part, poor to fair intercrystalline porosity, occasional poor vuggy and pin point porosity, very minor bitumen, rare questionable oil stain, no fluorescence, bright yellow ribbon cut in part, mixed with light gray, crypto to micro crystalline, very hard, tight dolomite
	10%	**Anhydrite** as above

710.00 to 715.00 (5.00)	100%	**Dolomite** off white to predominately light brown, occasionally light gray, crypto to micro but predominately very fine crystalline, hard, dolomite cement, rhombic in part, tight to poor with occasional fair intercrystalline porosity, occasional poor pin point and vuggy porosity, trace bitumen stain, occasional pyrite, occasional bitumen filled stylolites, trace clear anhydrite, occasional fossil fragments
715.00 to 720.00 (5.00)	60%	**Dolomite** light to occasionally medium brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, slightly anhydritic in part, trace bitumen filled stylolites, occasional fossil fragments
	40%	**Anhydrite** white to light gray, sucrosic, occasionally mottled, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part
720.00 to 725.00 (5.00)	100%	**Dolomite** light gray brown to light to medium brown, mottled in part, crypto to very fine crystalline, occasional fine crystalline, hard to very hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, trace bitumen stain, trace clear anhydrite
725.00 to 730.00 (5.00)	100%	**Dolomite** light brown gray to light brown, mottled in part, micro to very fine crystalline, hard to very hard, dolomite cement, tight with common poor to fair intercrystalline porosity, trace good intercrystalline porosity, poor vuggy and pin point porosity, trace bitumen, occasional pyrite, rare fossil fragments, slightly anhydritic in part, trace clear anhydrite
730.00 to 735.00 (5.00)	100%	**Dolomite** off white to light brown gray to predominately light brown, micro to very fine crystalline, hard to very hard, dolomite cement, tight to poor with occasional fair to good intercrystalline porosity, occasional poor vuggy porosity, trace bitumen stain, occasional bitumen filled stylolites, very minor pyrite
735.00 to 740.00 (5.00)	100%	**Dolomite** beige to light brown, very fine crystalline, hard to very hard, dolomite cement, tight to poor intercrystalline porosity, poor vuggy and pin point porosity, trace bitumen stain, scattered questionable oil stain, no fluorescence, instant bright yellow massive cut, trace clear dolomite, occasional pyrite
740.00 to 745.00 (5.00)	100%	**Dolomite** light brown gray to light brown, micro to predominately very fine crystalline, hard to very hard, dolomite cement, tight to occasional poor intercrystalline porosity, poor vuggy porosity, occasional bitumen, common clear dolomite (fracture fill and vug lining), rare pyrite, very slightly argillaceous in part
745.00 to 750.00 (5.00)	100%	**Dolomite** predominately light brown to occasionally cream and light brown gray, mottled in part, micro to very fine crystalline, hard to very hard, dolomite cement, tight to occasional poor vuggy porosity, trace bitumen, trace bitumen filled stylolites, occasional pyrite, occasional fossil fragments

750.00 to 755.00 (5.00)	100%	**Dolomite** light gray brown to light brown to common medium to dark brown gray, mottled in part, micro to very fine crystalline, hard to very hard, dolomite cement, tight to occasional poor pin point and vuggy porosity, trace bitumen, trace dolomite filled fractures, argillaceous in part
755.00 to 760.00 (5.00)	50%	**Anhydrite** white to light gray to light brown, chalky in part, micro crystalline in part, sucrosic in part, pasty to hard, anhydrite cement, tight, no shows, occasional pyrite
	50%	**Dolomite** very light to light brown, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, no shows, trace fractures
760.00 to 765.00 (5.00)	100%	**Dolomite** cream to light brown, occasionally light brown gray, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, trace light to medium brown oil stain, common pale orange fluorescence, instant bright yellow green massive cut, occasional bitumen filled stylolites, rare pyrite (oil shows could be contamination from tripping)
765.00 to 770.00 (5.00)	100%	**Dolomite** cream to light brown to light brown gray, micro to very fine crystalline, hard, dolomite cement, predominately tight to occasional poor vuggy porosity, trace bitumen, scattered light brown oil stain, scattered pale orange fluorescence, instant bright yellow green ribbon cut, trace clear dolomite and anhydrite (fracture fill), slightly anhydritic in part
770.00 to 775.00 (5.00)	90%	**Dolomite** tan to light brown to light brown gray, mottled, micro to occasional very fine crystalline, hard to very hard, dolomite with minor anhydrite cement, tight, trace bitumen, anhydritic to very anhydritic in part, occasional pyrite, occasional bitumen filled stylolites, trace clear anhydrite
	10%	**Anhydrite** light gray to light brown to white, micro crystalline, sucrosic, anhydrite cement, tight, no shows
775.00 to 780.00 (5.00)	90%	**Dolomite** off white to cream to light gray to light brown, mottled in part, micro crystalline, hard, dolomite with minor anhydrite cement in part, predominately tight to occasional very poor vuggy porosity, trace bitumen, anhydritic in part, occasional bitumen filled stylolites
	10%	**Anhydrite** as above
780.00 to 790.00 (10.00)	90%	**Dolomite** off white to light brown, micro crystalline, hard to very hard, dolomite and anhydrite cement, tight, very minor bitumen, occasional bitumen filled stylolites, anhydritic to very anhydritic, grades to dolomitic anhydrite in part, slightly argillaceous in part

780.00 to 790.00 (10.00)	10%	**Anhydrite** white to light gray to occasionally light brown, micro crystalline, sucrosic in part, anhydrite cement, tight, no shows, very dolomitic in part
790.00 to 795.00 (5.00)	90%	**Dolomite** cream to off white to light brown, mottled, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor vuggy porosity, rare bitumen, occasional pyrite, slightly anhydritic to anhydritic in part, occasional bitumen filled stylolites, trace to common anhydrite filled fractures
	10%	**Anhydrite** white to light gray, micro crystalline, sucrosic in part, anhydrite cement, tight, no shows
795.00 to 800.00 (5.00)	100%	**Dolomite** cream to light brown to gray brown, mottled, predominately micro crystalline, occasionally very fine crystalline, hard to very hard, dolomite with minor anhydrite cement, tight to occasional very poor vuggy porosity, no shows, anhydritic in part, slightly cherty in part, occasional anhydrite filled fractures
800.00 to 810.00 (10.00)	95%	**Dolomite** cream to light brown, mottled in part, micro to very fine crystalline, hard to very hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, occasional very poor vuggy porosity, rare bitumen, anhydritic in part, occasional anhydrite filled fractures, rare chert, occasional pyrite
	5%	**Anhydrite** white, micro crystalline, anhydrite cement, tight, no shows, dolomitic in part
810.00 to 815.00 (5.00)	90%	**Dolomite** white to cream to very light brown, occasionally medium brown, micro to occasional very fine crystalline, hard to very hard, dolomite with minor anhydrite cement, tight, no shows, occasional pyrite, occasional bitumen filled stylolites, occasional anhydrite filled fractures
	10%	**Anhydrite** clear to white, micro crystalline, sucrosic in part, hard, anhydrite cement, tight, no shows, dolomitic in part
815.00 to 825.00 (10.00)	100%	**Dolomite** off white to light brown, occasionally light gray, mottled, micro to occasional very fine crystalline, hard to very hard, dolomite cement, tight, no shows, occasional anhydrite filled fractures, anhydritic in part, occasional bitumen filled stylolites
825.00 to 835.00 (10.00)	100%	**Dolomite** off white to very light brown, very fine crystalline, sucrosic, moderately hard to hard, dolomite with minor anhydrite cement, tight to poor intercrystalline porosity, common to abundant pale green fluorescence, no cut, slightly anhydritic in part, trace pyrite, occasional anhydrite filled fractures

835.00 to 840.00 (5.00)	100%	**Dolomite** very light gray to off white, occasionally very light brown, very fine to occasional fine crystalline, sucrosic, moderately hard to hard, dolomite cement, poor with occasional fair intercrystalline porosity, abundant pale green fluorescence, no cut, trace pyrite, occasional anhydrite filled fractures
840.00 to 845.00 (5.00)	100%	**Dolomite** very light gray to very light brown, mottled in part, sucrosic, predominately very fine to occasional fine crystalline, moderately hard to hard, dolomite cement, poor to fair intercrystalline porosity, occasional very poor vuggy porosity, abundant pale green fluorescence, no cut, trace pyrite, trace anhydrite filled fractures
845.00 to 850.00 (5.00)	100%	**Dolomite** very light to light gray to very light brown, occasionally white, mottled in part, sucrosic, very fine crystalline, moderately hard to hard, dolomite cement, tight to poor intercrystalline porosity, abundant pale green fluorescence, no cut, trace pyrite, trace clear anhydrite
850.00 to 865.00 (15.00)	100%	**Dolomite** very light gray to very light brown, occasionally white, sucrosic in part, very fine crystalline, moderately hard to hard, dolomite cement, predominately tight to occasional poor intercrystalline porosity, abundant pale green fluorescence, no cut, trace pyrite, trace clear anhydrite
865.00 to 870.00 (5.00)	100%	**Dolomite** very light gray to predominately very light brown, micro to predominately very fine crystalline, moderately hard to hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, abundant pale green fluorescence, no cut, occasional bitumen, trace pyrite, trace clear anhydrite and dolomite, trace fractures
870.00 to 875.00 (5.00)	100%	**Dolomite** very light brown to occasionally very light gray to off white, very fine to occasional fine crystalline, moderately hard to hard, dolomite cement, tight to poor intercrystalline porosity, abundant pale green fluorescence, no cut, trace pyrite, trace clear dolomite, occasional light green shale
875.00 to 880.00 (5.00)	100%	**Dolomite** very light gray to very light brown, occasionally off white, micro to predominately very fine crystalline, occasional fine crystalline, hard to very hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, common pale green fluorescence, no cut, trace pyrite, occasional clear dolomite
880.00 to 885.00 (5.00)	100%	**Dolomite** off white to light gray, rare light brown and pink, predominately very fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, trace pale green fluorescence, no cut, trace pyrite, trace light green shale
885.00 to 890.00 (5.00)	100%	**Dolomite** white to very light gray to occasionally very light brown, brick red and green, brecciated in part, very fine to medium crystalline in part, hard to very hard, dolomite cement, tight, trace to common pale green fluorescence, no cut, trace pyrite, minor chlorite?, minor green shale

890.00 to 895.00 (5.00)	100%	**Dolomite** off white to very light gray to occasionally light pink brown, micro to very fine crystalline, hard, dolomite cement, tight, abundant pale green fluorescence, no cut, trace pyrite, occasional light green shale
895.00 to 900.00 (5.00)	100%	**Dolomite** very light gray to cream to very light brown, micro to very fine crystalline, brecciated in part, hard, dolomite cement, tight, common to abundant pale green fluorescence, no cut, trace pyrite, occasional green shale, occasional clear dolomite
900.00 to 905.00 (5.00)	100%	**No sample** No sample in bucket
905.00 to 910.00 (5.00)	100%	**Dolomite** predominately off white to very light gray, brecciated, very fine to medium crystalline, hard, dolomite cement, predominately tight to occasional very poor vuggy porosity, common pale green fluorescence, no cut, trace pyrite, very minor quartz in part, trace clear dolomite
910.00 to 920.00 (10.00)	100%	**Dolomite** off white to white to very light brown, brecciated, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor vuggy porosity, common pale green fluorescence, no cut, rare chert, trace clear quartz, occasional pyrite
920.00 to 930.00 (10.00)	100%	**Dolomite** off white to very light gray, occasionally stained orange and brick red, brecciated in part, crypto to very fine crystalline in part, hard to very hard, dolomite with minor silica cement, tight, trace pale green fluorescence, no cut, trace quartz, cherty in part
930.00 to 940.00 (10.00)	100%	**Dolomite** white to predominately very light gray to occasionally very light brown, sucrosic in part, micro to very fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, scattered pale green fluorescence, no cut, cherty in part, trace pyrite, trace quartz
940.00 to 945.00 (5.00)	100%	**Dolomite** white to cream to very light gray, micro to very fine crystalline, sucrosic in part, hard, dolomite cement, tight to occasional very poor vuggy porosity, occasional bitumen, trace pale green fluorescence, no cut, trace pyrite, trace quartz, occasional bitumen filled stylolites
945.00 to 950.00 (5.00)	100%	**Dolomite** white to light gray to light brown, mottled in part, sucrosic in part, micro to very fine crystalline, hard, dolomite cement, tight to occasional very poor vuggy porosity, no shows, trace pyrite, trace clear dolomite, trace light gray shale
950.00 to 955.00 (5.00)	100%	**Dolomite** off white to light to medium gray to light to medium brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight, no shows, trace dolomite filled fractures, slightly argillaceous in part, trace pyrite, slightly anhydritic in part, slightly argillaceous in part

955.00 to 960.00 (5.00)	100%	**Dolomite** off white to predominately light gray to light brown, mottled, micro to very fine crystalline, earthy texture in part, hard, dolomite cement, tight, trace bitumen, slightly argillaceous, slightly anhydritic in part, trace pyrite, trace fossils
960.00 to 965.00 (5.00)	100%	**Dolomite** light to medium brown, occasionally off white, mottled, predominately micro crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, highly fractured, filled with dolomite and anhydrite
965.00 to 970.00 (5.00)	80%	**Dolomite** light to medium brown to occasionally off white, mottled, micro crystalline, hard, dolomite and anhydrite cement, tight, no shows, argillaceous in part, anhydritic in part, occasional pyrite, trace to common anhydrite and dolomite filled fractures
	20%	**Anhydrite** white to occasionally light brown, micro crystalline, sucrosic in part, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part
970.00 to 975.00 (5.00)	75%	**Dolomite** very light to medium brown, mottled in part, predominately micro crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic, argillaceous in part, occasional pyrite
	25%	**Anhydrite** white to cream to light brown, mottled in part, sucrosic in part, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows
975.00 to 980.00 (5.00)	75%	**Dolomite** off white to light to medium brown, occasionally gray brown, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight, no shows, anhydritic to very anhydritic, trace dolomite and anhydrite filled fractures, argillaceous in part, occasional pyrite, occasional bitumen filled stylolites
	25%	**Anhydrite** as above
980.00 to 985.00 (5.00)	80%	**Dolomite** off white to light gray brown to brown gray to light brown, mottled, micro to occasional very fine crystalline, hard, dolomite and anhydrite cement, tight, very scattered pale green fluorescence, slow pale green massive cut, anhydritic to very anhydritic, occasional finely disseminated pyrite, argillaceous in part, trace fractures
	20%	**Anhydrite** white to light brown, occasionally mottled in part, sucrosic in part, micro crystalline, moderately hard to hard, anhydrite and dolomite cement, tight, no shows, dolomitic to very dolomitic in part
985.00 to 990.00 (5.00)	80%	**Dolomite** white to off white to light to medium brown to light gray, mottled, predominately micro crystalline, hard, dolomite with minor anhydrite cement, tight, scattered pale green fluorescence, slow faint pale green massive cut, anhydritic to occasionally very anhydritic in part, highly fractured, argillaceous in part

985.00 to 990.00 (5.00)	20%	**Anhydrite** as above
990.00 to 995.00 (5.00)	90%	**Dolomite** very light gray to cream to very light brown, occasionally mottled, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, no shows, anhydritic in part, common fractures, occasional shale
	10%	**Anhydrite** white to light brown, micro crystalline, moderately hard to hard, anhydrite and dolomite cement, tight, no shows
995.00 to 1,000.00 (5.00)	100%	**Dolomite** off white to light gray to light brown, mottled in part, occasionally sucrosic, predominately very fine crystalline, hard, dolomite with minor anhydrite cement, predominately tight to occasional very poor intercrystalline porosity, occasional very poor vuggy porosity, rare bitumen, trace to common fractures, trace pyrite, minor shale, slightly argillaceous in part, anhydritic to occasionally very anhydritic
1,000.00 to 1,005.00 (5.00)	100%	**Dolomite** cream to very light brown, occasionally light gray, sucrosic in part, micro to predominately very fine crystalline, moderately hard to hard, dolomite and anhydrite cement, tight to occasional poor intercrystalline porosity, common pale green fluorescence, no cut, occasional pyrite, trace to common fractures, very slightly argillaceous in part
1,005.00 to 1,010.00 (5.00)	100%	**Dolomite** off white to very light brown, very fine crystalline, sucrosic, hard, dolomite with minor anhydrite cement, tight to poor intercrystalline porosity, occasional very poor vuggy porosity, common to abundant pale green fluorescence, no cut, scattered pyrite, slightly anhydritic in part
1,010.00 to 1,020.00 (10.00)	100%	**Dolomite** very light gray to very light brown, occasionally white, sucrosic in part, very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, abundant pale green fluorescence, no cut, occasional pyrite, trace fractures, slightly argillaceous in part, slightly anhydritic to very anhydritic with depth, occasionally grading to dolomitic anhydrite
1,020.00 to 1,030.00 (10.00)	75%	**Dolomite** very light brown to light brown gray, mottled in part, micro to very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic in part, occasional pyrite, occasional fractures
	25%	**Anhydrite** off white to light brown, micro crystalline, sucrosic in part, hard, anhydrite cement, tight, no shows, slightly dolomitic in part
1,030.00 to 1,035.00 (5.00)	60%	**Dolomite** cream to light brown, micro to occasionally very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic, grades to dolomitic anhydrite, trace bitumen filled stylolites, occasional pyrite

1,030.00 to 1,035.00 (5.00)	40%	**Anhydrite** very light gray to light brown to white, mottled, sucrosic in part, micro crystalline, hard, *dolomite and anhydrite cement, tight, no shows, dolomitic to very dolomitic,* grades to anhydritic dolomite
1,035.00 to 1,040.00 (5.00)	90%	**Dolomite** cream to light brown, micro crystalline, hard, dolomite cement, tight, no shows, occasional bitumen filled stylolites, trace fractures, rare pyrite, slightly anhydritic to anhydritic in part
	10%	**Anhydrite** off white to very light gray, sucrosic, micro crystalline, hard, anhydrite and minor dolomite cement, tight, no shows, dolomitic in part
1,040.00 to 1,050.00 (10.00)	100%	**Dolomite** cream to light brown, mottled, micro to very fine crystalline, micro sucrosic in part, hard, dolomite cement, tight to poor intercrystalline porosity, no shows, occasional bitumen filled stylolites, trace fractures, slightly anhydritic in part
1,050.00 to 1,060.00 (10.00)	100%	**Dolomite** off white to predominately light brown, occasionally medium brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, occasional very poor vuggy porosity, rare bitumen, slightly anhydritic in part, trace bitumen filled stylolites, trace to common fractures, very slightly argillaceous in part, rare pyrite
1,060.00 to 1,075.00 (15.00)	60%	**Dolomite** light to occasionally medium brown to cream, micro to rare very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to occasionally very anhydritic, trace fractures, occasional pyrite
	40%	**Anhydrite** white to very light brown to very light gray, mottled, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic to occasionally very dolomitic
1,075.00 to 1,080.00 (5.00)	80%	**Dolomite** very light to light brown, occasionally medium brown, predominately micro to occasional very fine crystalline, hard, dolomite with trace anhydrite cement, tight, no shows, trace bitumen filled stylolites, trace fractures
	20%	**Anhydrite** white to off white to light gray, sucrosic in part, micro crystalline, moderately hard to hard, dolomite and anhydrite cement, tight, no shows, occasional pyrite
1,080.00 to 1,085.00 (5.00)	70%	**Anhydrite** cream to very light brown to light gray, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part, occasional pyrite
	30%	**Dolomite** very light to medium brown, micro to very fine crystalline, hard, dolomite cement, tight, rare bitumen, trace stylolites, occasional fractures, occasional pyrite

1,085.00 to 1,095.00 (10.00)	90%	**Anhydrite** off white to light gray to light brown, motttled in part, sucrosic in part, micro crystalline, anhydrite and dolomite cement, tight, no shows, dolomitic in part, trace pyrite
	10%	**Dolomite** light brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, minor pyrite, occasional fractures
1,095.00 to 1,100.00 (5.00)	75%	**Anhydrite** off white to predominately light gray to occasionally white, mottled, micro crystalline, occasionally chalky, moderately hard to hard, anhydrite cement, tight, no shows, dolomitic in part
	25%	**Dolomite** off white to very light to light brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic in part, occasional pyrite, occasional bitumen filled stylolites
1,100.00 to 1,105.00 (5.00)	70%	**Dolomite** very light to light brown, occasionally cream and medium brown, mottled in part, predominately micro to occasionally very fine crystalline, chalky in part, hard, dolomite cement, tight, no shows, anhydritic to very anhydritic in part
	30%	**Anhydrite** off white to light brown to light gray, occasionally mottled, micro crystalline, moderately hard to hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part
1,105.00 to 1,110.00 (5.00)	65%	**Anhydrite** white to very light gray to light brown to occasionally cream, chalky in part, micro crystalline, moderately hard to hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part, occasional pyrite
	35%	**Dolomite** very light to light brown, micro crystalline, hard, dolomite cement, tight, no shows, occasional fractures, anhydritic to very anhydritic
1,110.00 to 1,115.00 (5.00)	80%	**Dolomite** very light brown gray to light brown, micro crystalline, moderately hard to hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic, occasional pyrite
	20%	**Anhydrite** as above
1,115.00 to 1,120.00 (5.00)	80%	**Dolomite** off white to light brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, rare very poor vuggy porosity, no shows, anhydritic in part

1,115.00 to 1,120.00 (5.00)	20%	**Anhydrite** off white to light gray, micro crystalline, occasionally chalky, hard, anhydrite cement, tight, no shows, trace pyrite, argillaceous in part
1,120.00 to 1,125.00 (5.00)	100%	**Dolomite** very light to medium brown, mottled, micro to very fine crystalline, sucrosic in part, moderately hard to hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, rare very poor vuggy porosity, trace to common fractures, slightly anhydritic in part
1,125.00 to 1,135.00 (10.00)	100%	**Dolomite** off white to beige to medium brown, mottled in part, predominately micro crystalline, hard, dolomite cement, tight, no shows, slightly anhydritic in part, trace fractures, occasional chalky anhydrite
1,135.00 to 1,145.00 (10.00)	80%	**Dolomite** beige to light to medium brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, rare bitumen, slightly anhydritic in part
	20%	**Anhydrite** off white to light gray, micro crystalline, sucrosic in part, hard, anhydrite cement, tight, no shows
1,145.00 to 1,150.00 (5.00)	90%	**Dolomite** cream to very light brown, mottled, micro to very fine crystalline, hard, dolomite cement, tight to occasional very poor pin point porosity, occasional poor intercrystalline porosity, minor bitumen, occasional fractures, trace bitumen filled stylolites, slightly anhydritic in part
	10%	**Anhydrite** off white to light gray, sucrosic, micro crystalline, hard, anhydrite cement, tight, no shows
1,150.00 to 1,155.00 (5.00)	60%	**Dolomite** very light to predominately light brown, occasionally medium brown, mottled in part, predominately micro to occasional very fine crystalline, hard, dolomite cement, predominately tight to occasional very poor pin point porosity, rare very poor intercrystalline porosity, no shows, occasional fractures, occasional bitumen filled stylolites
	40%	**Anhydrite** off white to white to light gray to occasionally light brown, mottled, sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows, trace pyrite
1,155.00 to 1,165.00 (10.00)	65%	**Dolomite** predominately light brown to cream to light brown gray, mottled in part, predominately micro crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, no shows, occasional bitumen filled stylolites. occasional fractures, anhydritic, slightly argillaceous in part

1,155.00 to 1,165.00 (10.00)	35%	**Anhydrite** off white to light gray, micro crystalline, hard, anhydrite cement, tight, no shows, trace pyrite
1,165.00 to 1,170.00 (5.00)	85%	**Dolomite** off white to very light gray to occasionally light brown, micro to predominately very fine crystalline, sucrosic, moderately hard to hard, dolomite cement, poor intercrystalline porosity, common to abundant pale green fluorescence, no cut, trace pyrite
	15%	**Anhydrite** as above
1,170.00 to 1,180.00 (10.00)	100%	**Dolomite** white to predominately light gray brown, sucrosic, micro to predominately very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, occasional very poor vuggy porosity, common to abundant pale green fluorescence, no cut, occasional pyrite, trace fractures
1,180.00 to 1,190.00 (10.00)	100%	**Dolomite** off white to very light gray, sucrosic in part, micro to predominately very fine crystalline, hard, dolomite cement, tight to poor with occasional fair intercrystalline porosity, abundant pale green fluorescence, no cut, occasional pyrite, trace fractures, trace chert
1,190.00 to 1,200.00 (10.00)	100%	**Dolomite** off white to very light brown, sucrosic, very fine to occasional fine crystalline, hard, dolomite cement, tight to poor with occasional fair intercrystalline porosity, rare very poor vuggy porosity, abundant pale green fluorescence, no cut, occasional fractures, occasional chert, rare pyrite
1,200.00 to 1,210.00 (10.00)	100%	**Dolomite** very light brown gray to predominately very light brown, mottled in part, sucrosic in part, predominately very fine crystalline, occasional fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, occasional very poor vuggy porosity, abundant pale green fluorescence, no cut, rare stylolites, trace fractures, trace clear quartz, trace chert, trace pyrite
1,210.00 to 1,215.00 (5.00)	100%	**Dolomite** off white to very light gray to predominately very light brown, occasionally mottled, very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, abundant pale green fluorescence, no cut, occasional pyrite, common chert, occasional fractures
1,215.00 to 1,220.00 (5.00)	100%	**Dolomite** white to predominately very light gray to occasionally very light brown, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, rare bitumen, trace pale yellow green fluorescence, no cut, trace pyrite, occasional quartz

1,220.00 to 1,225.00 (5.00) 100% **Dolomite**
off white to white to predominately very light gray, micro to fine crystalline, brecciated in part, hard to very hard, dolomite cement, tight, abundant pale yellow green fluorescence, no cut, trace pyrite, rare light green shale, trace fractures, occasional quartz

1,225.00 to 1,230.00 (5.00) 100% **Dolomite**
off white to predominately very light gray, occasionally stained red, micro to fine crystalline, brecciated in part, hard to very hard, dolomite cement, tight, abundant pale green yellow fluorescence, no cut, occasional pyrite, occasional chert, occasional quartz, minor light green shale, trace fractures

1,230.00 to 1,235.00 (5.00) 100% **Dolomite**
cream to occasionally very light gray, predominately micro to very fine crystalline, occasionally fine crystalline, occasionally brecciated, hard to very hard, dolomite cement, tight, abundant pale green yellow fluorescence, no cut, occasional pyrite, slightly cherty in part, occasional quartz, occasional light green shale, slightly silty in part

1,235.00 to 1,240.00 (5.00) 100% **Dolomite**
white to cream to occasionally very light gray, predominately very fine crystalline, hard to very hard, dolomite cement, tight, abundant pale yellow fluorescence, no cut, slightly cherty in part, occasional quartz, slightly silty in part

1,240.00 to 1,245.00 (5.00) 100% **Dolomite**
off white to very light gray, micro to very fine crystalline, hard to very hard, dolomite cement, tight, common pale yellow fluorescence, no cut, trace light green shale, trace quartz sandstone, trace clear quartz, occasionally cherty in part

1,245.00 to 1,255.00 (10.00) 100% **Dolomite**
very light gray to occasionally off white, occasionally stained pink to brick red, micro to very fine with occasional fine to medium crystalline, hard to very hard, dolomite cement, tight to occasional very poor intercrystalline porosity, occasional poor pin point porosity, trace pale yellow fluorescence, no cut, occasionally cherty in part, silty to sandy in part, occasional fractures, rare pyrite

1,255.00 to 1,270.00 (15.00) 100% **Dolomite**
off white to very light gray, occasionally very light brown, occasional pink and green stain, micro to fine crystalline, hard to very hard, dolomite cement, tight to occasional very poor pin point porosity, occasional poor vuggy porosity, trace pale yellow fluorescence, no cut, cherty in part, trace clear quartz, trace fractures, very minor silt in part

1,270.00 to 1,275.00 (5.00) 100% **Dolomite**
off white to white to very light gray, micro to very fine to occasional fine crystalline, hard to very hard, dolomite cement, tight to occasional poor vuggy porosity, scattered pale yellow fluorescence, no cut, trace clear quartz, occasional chert, occasional fractures, silty to sandy in part

1,275.00 to 1,280.00 (5.00) 100% **Dolomite**
white to very light gray brown to light gray, micro to very fine crystalline, hard to very hard, dolomite cement, tight to occasional very poor vuggy porosity, occasional pale yellow fluorescence, no cut, trace to common chert, trace fractures, trace clear quartz, rare pyrite, trace quartz crystals

1,280.00 to 1,295.00 (15.00) 100% **Dolomite**
white to very light gray to occasionally very light brown, micro to very fine with occasional fine crystalline, hard to very hard, dolomite cement, predominately tight with occasional poor to fair intercrystalline porosity, scattered pale yellow fluorescence, no cut, cherty in part, trace fractures, rare pyrite, trace quartz, rare green shale

1,295.00 to 1,305.00 (10.00) 100% **Dolomite**
occasionally white to predominately very light gray, very fine to fine crystalline, hard to very hard, dolomite cement, predominately tight to occasional poor intercrystalline porosity, no shows, trace to common quartz, occasional fractures, occasional pyrite, occasional quartz crystals, rare light green shale, occasionally cherty in part

1,305.00 to 1,315.00 (10.00) 100% **Dolomite**
predominately very light gray to occasionally off white, micro to very fine crystalline, hard to very hard, dolomite cement, tight with occasional very poor pin point porosity, trace pale yellow fluorescence, no cut, common to abundant chert, trace quartz, occasional fractures, very slightly calcareous in part, slightly silty in part

1,315.00 to 1,325.00 (10.00) 100% **Dolomite**
very light gray to off white to occasionally very light brown, micro to very fine with occasional fine crystalline, hard to very hard, dolomite cement, tight to occasional very poor pin point porosity, trace pale yellow fluorescence, no cut, rare pyrite, abundant chert, trace quartz, trace fractures

1,325.00 to 1,330.00 (5.00) 100% **Dolomite**
cream to very light gray brown, occasionally white, micro to very fine crystalline, hard to very hard, dolomite cement, tight, scattered pale yellow fluorescence, no cut, occasional pyrite, trace chert, trace clear quartz, occasional quartz sandstone, occasional light green shale

1,330.00 to 1,335.00 (5.00) 100% **Dolomite**
very light brown, predominately very fine crystalline, occasional fine crystalline, brecciated in part, sucrosic in part, dolomite cement, tight to poor intercrystalline porosity, trace pale green fluorescence, no cut, rare pyrite, trace quartz, trace chert, trace fractures, occasional green shale

1,335.00 to 1,340.00 (5.00) 100% **Dolomite**
predominately very light brown to tan, micro to very fine crystalline, brecciated in part, hard to very hard, dolomite cement, tight to occasional poor intercrystalline porosity, scattered pale green fluorescence, no cut, trace to common chert, trace clear quartz, trace fractures, scattered pyrite

1,340.00 to 1,345.00 (5.00) 100% **Dolomite**
off white to predominately very light brown gray to occasionally very light brown, very fine to medium crystalline, brecciated in part, hard to very hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, common pale green fluorescence, no cut, trace clear quartz, occasional quartz crystals, common chert, very minor green shale, occasional pyrite

1,345.00 to 1,355.00 (10.00) 100% **Dolomite**
off white to very light gray to occasionally very light brown, very fine to fine with occasional medium crystalline, hard to very hard, dolomite cement, predominately tight to occasional poor to fair intercrystalline porosity, trace pale green fluorescence, no cut, trace quartz, trace chert, rare pyrite, rare light green shale, slightly silty in part

1,355.00 to 1,360.00 (5.00) 100% **Dolomite**
cream to very light brown, occasionally very light gray, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, common pale green fluorescence, no cut, trace pyrite, cherty to very cherty in part, trace fractures, occasional light green shale, slightly silty in part

1,360.00 to 1,365.00 (5.00) 100% **Dolomite**
cream to light brown, predominately very fine to trace fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, abundant pale green fluorescence, no cut, trace light green waxy shale, occasional fractures, trace quartz, occasional chert, very slightly silty in part

1,365.00 to 1,370.00 (5.00) 100% **Dolomite**
off white to predominately light brown, mottled in part, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional poor intercrystalline porosity, common pale green fluorescence, no cut, occasional pyrite, trace quartz, trace fractures, occasional green shale, rare chert, very slightly silty in part

1,370.00 to 1,375.00 (5.00) 100% **Dolomite**
very light gray to light brown, occasionally off white, very fine to fine crystalline, hard, dolomite cement, tight, common pale green fluorescence, no cut, trace fractures, occasional pyrite, occasional light green shale

1,375.00 to 1,385.00 (10.00) 100% **Dolomite**
off white to light gray to occasionally very light brown, predominately very fine with occasional fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, common pale green fluorescence, no cut, rare chert, occasional pyrite, trace light green shale, very slightly silty in part

1,385.00 to 1,395.00 (10.00) 100% **Dolomite**
off white to very light brown to very light gray, very fine crystalline, hard, dolomite cement, tight, no shows, occasional fractures, occasional pyrite, occasional light green shale, slightly calcareous in part, trace chert, slightly silty in part

1,395.00 to 1,400.00 (5.00) 100% **Dolomite**
very light gray to very light brown, occasionally white, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, very minor pale yellow fluorescence, no cut, trace light green shale, trace pyrite, trace fractures, rare chert, slightly silty in part

1,400.00 to 1,405.00 (5.00) 100% **Dolomite**
very light gray to light brown, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, trace chert, trace fractures, trace quartz, occasional light green shale, occasional pyrite, silty in part

1,405.00 to 1,410.00 (5.00) 100% **Dolomite**
off white to very light brown to very light gray, predominately very fine to occasional fine crystalline, hard, dolomite cement, tight, no shows, trace to common fractures, occasional pyrite, occasional green shale, silty in part, rare chert

1,410.00 to 1,420.00 (10.00) 100% **Dolomite**
off white to predominately very light brown, predominately very fine to occasional fine crystalline, brecciated in part, hard, dolomite cement, tight, no shows, occasional light green shale, trace to common chert, rare pyrite, trace fractures

1,420.00 to 1,425.00 (5.00) 100% **Dolomite**
off white to very light gray, predominately very fine crystalline, hard, dolomite cement, tight, no shows, trace well rounded quartz grains, occasional fractures, rare green shale, occasional chert

1,425.00 to 1,430.00 (5.00) 100% **Dolomite**
off white to predominately very light gray to occasionally very light brown, predominately very fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, trace pyrite, occasional chert, minor light green shale, slightly silty in part

1,430.00 to 1,435.00 (5.00) 100% **Dolomite**
off white to very light gray to very light brown, very fine to fine crystalline, hard, dolomite cement, tight, no shows, trace light green shale, rare pyrite, slightly silty in part

1,435.00 to 1,450.00 (15.00) 100% **Dolomite**
very light gray to predominately very light brown, mottled in part, very fine to fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, no shows, trace fractures, occasional light green shale, occasional pyrite, slightly silty in part, trace chert, occasional quartz grains

1,450.00 to 1,455.00 (5.00) 100% **Dolomite**
off white to light gray to occasionally very light brown, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, occasional pyrite, trace fractures, very minor chert, very slightly silty in part

1,455.00 to 1,460.00 (5.00) 100% **Dolomite**
predominately very light brown to occasionally very light gray and off white, predominately very fine crystalline, occasional fine crystalline, hard, dolomite cement, tight, scattered pale yellow fluorescence, no cut, occasional quartz grains, very minor light green shale, rare chert, scattered pyrite, occasional fractures

1,460.00 to 1,470.00 (10.00) 100% **Dolomite**
very light gray to very light brown to off white, occasionally greenish, very fine to fine crystalline, brecciated in part, hard, dolomite cement, tight, no shows, trace chert, trace pyrite, trace fractures, trace light to medium green shale, rare quartz grains, very slightly silty in part, very slightly argillaceous in part

1,470.00 to 1,475.00 (5.00) 100% **Dolomite**
off white to light gray to gray green to very light brown, predominately very fine crystalline, occasionally micro and fine crystalline, hard, dolomite cement, tight, no shows, very slightly silty in part, argillaceous in part, trace pyrite, trace green shale

1,475.00 to 1,485.00 (10.00) 100% **Dolomite**
off white to very light gray to occasionally very light brown, very fine to fine crystalline, hard, dolomite cement, tight, no shows, trace fractures, occasional light green shale, occasional pyrite, rare quartz, very slightly argillaceous in part, slightly silty in part

1,485.00 to 1,495.00 (10.00) 100% **Dolomite**
very light gray to occasionally very light brown, very minor pink to red stain, very fine to fine crystalline, brecciated in part, hard, dolomite cement, tight to occasional poor intercrystalline porosity, scattered to trace pale yellow fluorescence, no cut, trace light green shale, trace fractures, occasional pyrite, very slightly silty in part

1,495.00 to 1,500.00 (5.00) 100% **Dolomite**
off white to very light gray to very light brown, micro to predominately very fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, scattered pale yellow fluorescence, no cut, trace pyrite, occasional chert, occasional light green shale, slightly argillaceous in part, very slightly silty in part

1,500.00 to 1,505.00 (5.00) 100% **Dolomite**
off white to light brown to predominately light gray, occasionally medium gray, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight, no shows, trace pyrite, argillaceous to very argillaceous in part, grading to dolomitic shale in part, slightly silty in part, occasionally cherty

1,505.00 to 1,510.00 (5.00) 100% **Dolomite**
off white to predominately light to medium brown to occasionally light gray, mottled in part, micro to predominately very fine crystalline, occasional fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, grading to dolomitic shale in part, trace pyrite, occasional fractures, slightly silty in part

1,510.00 to 1,515.00 (5.00) 100% **Dolomite**
beige to medium to dark brown, occasionally off white, mottled in part, predominately very fine to occasional fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, grades to dolomitic shale in part, occasional pyrite, rare chert, occasional fractures

1,515.00 to 1,520.00 (5.00) 100% **Dolomite**
beige to medium to dark brown to occasionally light gray and off white, mottled in part, micro to predominately very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, grading to dolomitic shale in part, trace pyrite, occasional chert, occasional light green shale, trace medium brown shale

1,520.00 to 1,525.00 (5.00) 100% **Dolomite**
beige to medium brown to gray brown, occasionally off white, micro to predominately very fine to fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, no shows, argillaceous to very argillaceous in part, grades to dolomitic shale, trace pyrite, trace medium brown shale

1,525.00 to 1,530.00 (5.00) 100% **Dolomite**
medium to dark brown to light gray to off white, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, trace pyrite, occasional fractures, trace finely disseminated pyrite, trace medium gray brown shale

1,530.00 to 1,535.00 (5.00) 100% **Dolomite**
off white to very light brown to very light gray, occasionally medium to dark brown, micro to very fine crystalline, hard, dolomite cement, predominately tight with rare very poor pin point porosity, no shows, slightly argillaceous to argillaceous in part, occasional finely disseminated pyrite, rare chert, occasional light green and medium brown shale

1,535.00 to 1,540.00 (5.00) 100% **Dolomite**
predominately very light gray to occasionally very light brown, micro to predominately very fine crystalline, hard, dolomite cement, tight, no shows, occasional quartz grains, slightly argillaceous in part, occasional pyrite, slightly silty in part, occasional light green shale

1,540.00 to 1,545.00 (5.00) 100% **Dolomite**
white to beige to medium to dark brown to very light to light gray, occasionally mottled, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, occasional fractures, occasional pyrite, rare quartz grains, slightly silty in part, minor anhydrite

1,545.00 to 1,550.00 (5.00) 100% **Dolomite**
light brown to light gray, occasionally off white and medium brown, micro to very fine crystalline, hard, dolomite cement, tight, no shows, trace pyrite, trace fractures, occasional chert, very slightly anhydritic in part, argillaceous to very argillaceous in part, grading to dolomitic shale in part, trace light gray green and medium brown shale

1,550.00 to 1,555.00 (5.00) 90% **Dolomite**
light brown to light gray to green gray, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous, trace pyrite, minor fractures

10% **Shale**
very light green to green gray, sub blocky to blocky, moderately hard, waxy, trace to common finely disseminated pyrite, dolomitic

1,555.00 to 1,560.00 (5.00) 90% **Dolomite**
predominately light brown to occasionally off white, light gray and medium brown, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, occasional pyrite, occasional fractures

1,555.00 to 1,560.00 (5.00)	10%	**Shale** light green to gray green to occasionally light to medium brown, sub blocky to blocky, moderately hard, dolomitic, trace finely disseminated pyrite
1,560.00 to 1,565.00 (5.00)	90%	**Dolomite** very light to light brown to off white to light gray, occasionally medium brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight, no shows, slightly argillaceous to argillaceous in part, scattered pyrite, occasional fractures
	10%	**Shale** light gray to green gray to light to medium brown, blocky, moderately hard to hard, dolomitic, trace finely disseminated pyrite
1,565.00 to 1,570.00 (5.00)	90%	**Dolomite** off white to light brown to light gray to green gray, micro to predominately very fine crystalline, hard, dolomite cement, tight, no shows, slightly argillaceous to argillaceous, trace pyrite, occasional fractures
	10%	**Shale** light green to gray green, occasionally light brown, sub blocky to blocky, moderately hard to hard, trace to common finely disseminated pyrite
1,570.00 to 1,580.00 (10.00)	100%	**Dolomite** off white to very light to light brown to light gray, micro to predominately very fine crystalline, hard, dolomite cement, tight to occasional poor vuggy porosity, no shows, trace fractures, occasional pyrite, slightly argillaceous in part, minor light green shale, occasional quartz
1,580.00 to 1,585.00 (5.00)	100%	**Dolomite** off white to light brown to predominately light gray, occasionally medium brown, mottled in part, micro to medium crystalline, brecciated in part, hard, dolomite cement, tight, trace pale yellow fluorescence, no cut, trace fractures, slightly argillaceous to argillaceous in part, occasionally grading to dolomitic shale, trace pyrite, occasional quartz, occasional light green shale
1,585.00 to 1,590.00 (5.00)	100%	**Dolomite** light gray to light to medium brown, mottled in part, very fine to medium crystalline, brecciated in part, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, trace pale yellow fluorescence, no cut, trace pyrite, trace fractures, argillaceous to very argillaceous in part, occasionally grading to very dolomitic shale
1,590.00 to 1,595.00 (5.00)	100%	***Dolomite*** off white to light gray to predominately light to medium brown, mottled in part, very fine to fine crystalline, occasional micro crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, very minor pale yellow fluorescence, occasional pyrite, argillaceous in part, occasional stylolites, trace light to medium brown dolomitic shale

1,595.00 to 1,600.00 (5.00) 100% **Dolomite**
white to light to dark brown to light gray, micro to predominately very fine to fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, no shows, occasional finely disseminated pyrite, argillaceous to very argillaceous in part, occasional stylolites, occasionally grading to dolomitic shale

1,600.00 to 1,610.00 (10.00) 100% **Dolomite**
white to light to medium brown to light gray, mottled in part, micro to fine crystalline, sucrosic in part, hard, dolomite cement, tight to occasional poor intercrystalline porosity, occasional very poor vuggy porosity, no shows, occasional fractures, trace finely disseminated pyrite, argillaceous to very argillaceous in part

1,610.00 to 1,615.00 (5.00) 100% **Dolomite**
light to occasionally medium brown to predominately off white to light gray, micro to predominately very fine crystalline, occasional fine crystalline, hard, dolomite cement, tight to occasional very poor vuggy porosity, no shows, occasional very thin shale laminations, occasional pyrite, trace fractures, argillaceous to occasionally very argillaceous in part

1,615.00 to 1,625.00 (10.00) 100% **Dolomite**
off white to light gray to predominately light to medium brown, mottled in part, sucrosic in part, micro to predominately very fine to fine crystalline, hard, dolomite cement, tight, no shows, trace stylolites, trace fractures, occasional light green shale, argillaceous to occasionally very argillaceous, minor pyrite

1,625.00 to 1,630.00 (5.00) 100% **Dolomite**
light brown to light gray to white to occasionally medium brown, mottled in part, sucrosic in part, micro to very fine crystalline, occasional fine crystalline, moderately hard to hard, dolomite cement, tight to occasional poor intercrystalline porosity, occasional very poor vuggy porosity, no shows, occasional stylolites, trace fractures, very minor pyrite, slightly argillaceous to argillaceous in part

1,630.00 to 1,640.00 (10.00) 100% **Dolomite**
white to off white to very light gray to light brown, mottled in part, very fine to medium crystalline, brecciated in part, hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, minor bitumen stain, trace to common fractures, occasional pyrite, occasional stylolites, trace light green shale

1,640.00 to 1,645.00 (5.00) 100% **Dolomite**
white to light gray to predominately light brown, occasional medium brown, occasionally mottled in part, very fine to occasionally fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, occasional very poor vuggy porosity, minor bitumen, occasional stylolites, trace pyrite, trace fractures, slightly argillaceous to argillaceous in part

1,645.00 to 1,650.00 (5.00) 100% **Dolomite**
light to medium brown to light gray to light brown gray to off white, mottled in part, sucrosic in part, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, very minor bitumen stain, occasional pyrite, occasional thin shale laminations, slightly argillaceous to argillaceous in part

1,650.00 to 1,660.00 (10.00)	100%	**Dolomite** very light brown to very light gray to occasionally off white and medium to dark brown, mottled in part, micro to very fine crystalline, hard, dolomite and calcite cement, tight, very minor bitumen, trace pyrite, argillaceous to occasionally very argillaceous in part, occasional fractures
1,660.00 to 1,665.00 (5.00)	100%	**Dolomite** off white to white to light gray to beige to occasionally medium brown, mottled in part, predominately micro to very fine crystalline, hard, dolomite cement, tight, no shows, trace chert, rare quartz grains, occasional pyrite, argillaceous in part
1,665.00 to 1,675.00 (10.00)	100%	**Dolomite** occasionally off white to predominately beige to light brown to gray brown, mottled in part, predominately micro crystalline, occasional very fine crystalline, hard, dolomite cement, tight, no shows, occasional fractures, occasional stylolites, very minor pyrite, slightly argillaceous to argillaceous in part
1,675.00 to 1,685.00 (10.00)	100%	**Dolomite** white to predominately very light gray to occasionally light to medium brown, micro to very fine crystalline, hard, dolomite cement, tight with occasional very poor vuggy porosity, occasional very poor intercrystalline porosity, no shows, occasional pyrite, slightly argillaceous to argillaceous in part, occasional fractures, minor shale
1,685.00 to 1,700.00 (15.00)	100%	**Dolomite** white to light brown to light gray, occasional medium brown, mottled in part, micro to very fine with occasional fine crystalline, sucrosic in part, moderately hard to hard, dolomite cement, tight to poor intercrystalline porosity, occasional very poor vuggy porosity, no shows, trace fractures, occasional green shale, argillaceous in part, occasional pyrite, occasional stylolites
1,700.00 to 1,705.00 (5.00)	100%	**Dolomite** white to light gray to green gray to occasionally light to medium brown, mottled in part, sucrosic in part, micro to very fine with occasional fine crystalline, moderately hard to hard, dolomite cement, tight to occasional poor intercrystalline porosity, no shows, rare chert, occasional fractures, occasional stylolites, occasional pyrite, slightly argillaceous to argillaceous in part, trace thin shale laminations
1,705.00 to 1,710.00 (5.00)	90%	**Dolomite** light to medium brown to light to medium gray to white, micro to fine crystalline, moderately hard to hard, dolomite cement, tight to occasional very poor intercrystalline porosity, occasional very poor vuggy porosity, very minor bitumen, occasional fractures, argillaceous in part, occasional stylolites
	10%	**Shale** light to medium gray to light brown, sub blocky to blocky, moderately hard to hard, dolomitic to very dolomitic in part, trace to common finely disseminated pyrite
1,710.00 to 1,715.00 (5.00)	100%	**Dolomite** off white to light gray to predominately light to medium brown to occasionally dark brown, mottled in part, sucrosic in part, micro to very fine crystalline, moderately hard to hard, dolomite cement, tight to occasional poor intercrystalline porosity, minor bitumen, argillaceous to very argillaceous, grades to dolomitic shale in part, trace dark gray to black shale laminations

1,715.00 to 1,725.00 (10.00) 100% **Dolomite**
off white to light gray to predominately light to medium brown, occasionally dark brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight to occasional very poor vuggy porosity, no shows, occasional pyrite, argillaceous to very argillaceous in part, occasional stylolites, trace shale laminations

1,725.00 to 1,730.00 (5.00) 100% **Dolomite**
off white to predominately light to medium brown, occasionally dark brown, predominately micro crystalline, occasional very fine crystalline, hard, dolomite cement, tight, no shows, occasional stylolites, trace dark gray to black shale laminations, occasional pyrite, rare fractures

1,730.00 to 1,735.00 (5.00) 100% **Dolomite**
light to dark brown, occasionally off white, mottled in part, micro to fine crystalline, sucrosic in part, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, very minor bitumen, occasional pyrite, occasional light green shale, occasional fractures, argillaceous in part, occasional thin medium brown shale laminations, occasional stylolites

1,735.00 to 1,740.00 (5.00) 100% **Dolomite**
off white to light to dark brown to gray brown, mottled in part, micro to very fine to occasional fine crystalline, hard, dolomite cement, tight to occasional very poor vuggy porosity, no shows, argillaceous in part, occasional pyrite, rare chert, occasional fractures, trace light brown to medium gray shale, occasional stylolites

1,740.00 to 1,750.00 (10.00) 100% **Dolomite**
off white to light to dark brown, mottled in part, predominately micro to occasional very fine crystalline, hard, dolomite cement, tight, no shows, occasional fractures, occasional pyrite, argillaceous to very argillaceous in part, trace medium to dark gray shale laminations, occasional stylolites

1,750.00 to 1,755.00 (5.00) 100% **Dolomite**
off white to predominately light brown to gray brown, mottled in part, predominately micro crystalline, hard, dolomite cement, tight, no shows, slightly argillaceous in part, occasional fractures, occasional medium gray shale

1,755.00 to 1,760.00 (5.00) 100% **Dolomite**
off white to beige to light brown to gray, occasionally medium to dark brown, mottled in part, predominately micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, occasional pyrite, occasional fractures, trace medium gray to brown to occasionally light green shale

1,760.00 to 1,765.00 (5.00) 90% **Dolomite**
beige to light to medium gray, occasionally medium to dark brown, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale, rare pyrite, slightly anhydritic in part

10% **Shale**
light to medium gray, occasionally very light green, blocky to sub blocky, hard, dolomitic to very dolomitic

1,765.00 to 1,770.00 (5.00)	90%	**Dolomite** beige to medium brown to light brown gray to occasionally dark brown, mottled in part, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, slightly anhydritic in part, grades to dolomitic shale in part, occasional pyrite
	10%	**Shale** light to medium brown to brown gray, sub blocky to blocky, hard, dolomitic to very dolomitic, slightly anhydritic
1,770.00 to 1,775.00 (5.00)	90%	**Dolomite** off white to light brown to gray brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, anhydritic in part, argillaceous in part, occasional pyrite
	10%	**Shale** light gray to green gray, blocky, moderately hard to hard, dolomitic to very dolomitic, occasional pyrite
1,775.00 to 1,780.00 (5.00)	100%	**Dolomite** off white to beige to medium brown to brown gray, mottled in part, micro to occasionally very fine crystalline, hard, dolomite cement, tight, no shows, occasional fractures, rare fossils, argillaceous to very argillaceous in part, anhydritic to very anhydritic in part, trace pyrite, trace medium brown to light green shale, occasionally grades to dolomitic anhydrite and dolomitic shale
1,780.00 to 1,790.00 (10.00)	90%	**Dolomite** beige to light gray brown to brown gray, occasionally off white, mottled in part, micro to occasional very fine crystalline, hard, dolomite cement, tight, no shows, occasional pyrite, argillaceous to occasionally very argillaceous in part, grading to dolomitic shale, slightly anhydritic in part
	10%	**Shale** light green to brown gray, sub blocky to blocky, hard, dolomitic to very dolomitic, occasional pyrite
1,790.00 to 1,795.00 (5.00)	90%	**Dolomite** buff to light brown to light gray, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous, anhydritic in part, trace finely disseminated pyrite
	10%	**Shale** light to medium gray to green gray, sub blocky to blocky, moderately hard to hard, dolomitic
1,795.00 to 1,805.00 (10.00)	65%	**Dolomite** light brown to off white to occasionally light gray, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, grading to dolomitic shale, trace finely disseminated pyrite, slightly anhydritic in part
	20%	**Anhydrite** off white to light brown, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic, argillaceous

1,795.00 to 1,805.00 (10.00)	15%	**Shale** *light gray to medium green gray to gray brown, sub blocky to blocky, hard, dolomitic* to very dolomitic, occasionally grading to argillaceous dolomite, slightly anhydritic in part, trace finely disseminated pyrite
1,805.00 to 1,810.00 (5.00)	70%	**Dolomite** buff to cream, mottled in part, micro to occasional very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, trace finely disseminated pyrite
	30%	**Shale** light to medium green brown to brown green, sub blocky to blocky, moderately hard to hard, trace finely disseminated pyrite
1,810.00 to 1,815.00 (5.00)	65%	**Dolomite** cream to predominately buff, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, trace pyrite, slightly anhydritic in part
	35%	**Shale** light green to gray green to green gray, sub fissile to sub blocky, moderately hard to hard, slightly dolomitic in part, trace finely disseminated pyrite
1,815.00 to 1,825.00 (10.00)	80%	**Dolomite** buff to light brown to light gray brown, occasionally medium brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, slightly anhydritic in part
	20%	**Shale** light green to green gray, sub fissile to sub blocky, moderately hard to predominately hard, slightly dolomitic to dolomitic, trace finely disseminated pyrite
1,825.00 to 1,835.00 (10.00)	65%	**Shale** light to medium green to brick red, sub blocky to blocky, hard, occasionally moderately hard, slightly dolomitic to dolomitic, occasional finely disseminated pyrite, occasional medium to very coarse quartz grains
	35%	**Dolomite** *cream to buff to off white, micro to occasionally very fine crystalline, hard, dolomite* cement, tight, slightly anhydritic in part, occasional anhydrite laminations, slightly argillaceous to argillaceous in part, occasional quartz grains
1,835.00 to 1,840.00 (5.00)	75%	**Shale** light to medium green to occasionally brick red to light gray brown to brown gray, sub blocky to blocky, hard, slightly anhydritic in part, dolomitic in part, occasional finely disseminated pyrite
	25%	**Dolomite** off white to buff, micro crystalline, hard, dolomite cement, tight, no shows, occasional pyrite, slightly argillaceous in part, anhydritic in part, occasional thin anhydrite laminations

1,840.00 to 1,845.00 (5.00)	75%	**Shale** light to medium green to olive green to brick red to green gray, sub blocky to blocky, moderately hard to predominately hard, dolomitic in part, trace finely disseminated pyrite
	25%	**Dolomite** off white to light gray brown, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, anhydritic to very anhydritic in part, silty in part, occasional pyrite, grades to dolomitic anhydrite
1,845.00 to 1,855.00 (10.00)	80%	**Shale** light to medium green to brick red to occasionally gray green and light brown, sub blocky to blocky, moderately hard to hard, occasionally waxy, trace finely disseminated pyrite, dolomitic in part
	20%	**Anhydrite** cream to light brown, occasional green and red stain, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, slightly argillaceous in part
1,855.00 to 1,860.00 (5.00)		**Salt** Inferred from ROP and increase in mud salinity
	100%	**Cement** cement from drilling out shoe
1,860.00 to 1,865.00 (5.00)	75%	**Salt** white to occasionally pink to off white, mostly inferred, going into mud system
	25%	**Shale** predominately brick red to occasionally green, fissile to sub fissile, hard, anhydritic
1,865.00 to 1,880.00 (15.00)	70%	**Salt** Mostly inferred from ROP, sample still going into the mud system. Very poor sample quality
	20%	**Dolomite** very light gray green, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
	10%	**Shale** light gray green to occasionally pink to orange, fissile, moderately hard to hard, occasional finely disseminated pyrite, waxy in part
1,880.00 to 1,885.00 (5.00)	75%	**Salt** clear to white to light gray to pink
	15%	**Dolomite** light gray green, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
	10%	**Shale** red to occasionally green, fissile to sub fissile, moderately hard to hard, anhydritic in part, occasionally dolomitic

1,885.00 to 1,910.00 (25.00)	80%	**Salt** mostly inferred from ROP still going into the mud system, very poor sample quality
	20%	**Shale and dolomite** Shale: light green to brick red, sub fissile to sub blocky, moderately hard to hard, dolomitic to very dolomitic, grading to argillaceous dolomite, anhydritic. Dolomite: light gray green to green gray, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
1,910.00 to 1,920.00 (10.00)	90%	**Salt** inferred from ROP, still going into mud system, very poor sample quality
	10%	**Shale** light to occasionally medium green, sub fissile to sub blocky, moderately hard to hard, dolomitic, anhydritic
1,920.00 to 1,925.00 (5.00)	85%	**Salt** white to clear to occasionally orange
	10%	**Anhydrite** white to clear, sucrosic in part, micro crystalline, soft to moderately hard, anhydrite cement, tight, no shows, dolomitic to very dolomitic
	5%	**Shale** as above
1,925.00 to 1,930.00 (5.00)	90%	**Salt** predominately white to occasionally red and clear, crystalline in part
	10%	**Shale** red to green, sub fissile, moderately hard, dolomitic
1,930.00 to 1,955.00 (25.00)	100%	**Salt** clear, massive, minor shale, light green, sub fissile to sub blocky, moderately hard to hard, dolomitic
1,955.00 to 1,960.00 (5.00)	80%	**Shale** very poor sample quality, light brown to light gray to occasionally light green, sub fissile to sub blocky, soft to moderately hard, dolomitic to very dolomitic, grading to argillaceous dolomite
	20%	**Anhydrite** white to pale orange, micro crystalline, soft, anhydrite cement, tight, no shows
1,960.00 to 1,965.00 (5.00)	95%	**Shale** light gray, sub blocky to blocky, soft, dolomitic to very dolomitic
	5%	**Anhydrite** off white to pale orange, micro crystalline, soft, anhydrite cement, tight, no shows
1,965.00 to 1,975.00 (10.00)	95%	**Shale** very light to predominately light gray, occasionally light green, sub blocky to blocky, soft, very dolomitic, grading to very argillaceous dolomite

1,965.00 to 1,975.00 (10.00)	5%	**Salt** clear, massive
1,975.00 to 1,985.00 (10.00)	80%	**Shale** light gray to occasionally tan, light green and red, sub blocky to blocky, soft, bentonitic in part, dolomitic to very dolomitic, rare pyrite, occasional pyrite nodules. Very poor sample quality, salt will be inferred in the interval.
	20%	**Anhydrite** white to off white, micro crystalline, moderately hard, anhydrite cement, tight, no shows
1,985.00 to 1,995.00 (10.00)		**Salt** inferred from ROP and poor sample quality, clear, minor shale, as above
1,995.00 to 2,000.00 (5.00)		**Anhydrite** white, slightly sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows
		Salt clear to occasionally orange, amorphous
		Shale light green to red to predominately light gray, sub blocky to blocky, very soft to soft, dolomitic to very dolomitic
2,000.00 to 2,030.00 (30.00)	100%	**Salt** clear, amorphous, minor shale, as above
2,030.00 to 2,050.00 (20.00)	100%	**Salt** clear, amorphous with minor shale: light gray to brown gray to occasionally light green, sub blocky to blocky, very soft to soft, dolomitic to very dolomitic, grades to very argillaceous dolomite
2,050.00 to 2,075.00 (25.00)	100%	**Salt** clear, amorphous, minor shale, as above and anhydrite: white to pale orange, micro crystalline, soft to moderately hard, anhydrite cement, tight, no shows
2,075.00 to 2,115.00 (40.00)	100%	**Salt** clear, amorphous, minor shale, light gray to brown gray, sub blocky to blocky, very soft to soft, dolomitic to very dolomitic
2,115.00 to 2,125.00 (10.00)	70%	**Salt** clear, amorphous
	20%	**Dolomite** very light to light brown, occasionally off white and medium brown, mottled, micro crystalline, soft to moderately hard, occasionally hard, dolomite cement, tight, no shows, argillaceous
	10%	**Shale** light gray, sub blocky to blocky, very soft to soft, dolomitic to very dolomitic

2,125.00 to 2,175.00 (50.00)	100%	**Salt** clear to occasionally white, amorphous, minor shale, light to occasionally medium gray, sub blocky to blocky, soft, very dolomitic, minor dolomite, light brown, micro crystalline, soft to moderately hard, dolomite cement, tight, no shows, argillaceous
2,175.00 to 2,205.00 (30.00)	100%	**Salt** clear to occasionally white with minor dolomite, light gray to light brown, micro crystalline, moderately hard to hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grading to dolomitic shale
2,205.00 to 2,215.00 (10.00)	85%	**Salt** clear to occasionally white
	10%	**Dolomite** light to medium brown to light gray to occasionally off white, mottled in part, micro crystalline, moderately hard to hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale
	5%	**Shale** light gray to light green to red, fissile to sub fissile, moderately hard, dolomitic
2,215.00 to 2,230.00 (15.00)	95%	**Salt** clear to occasionally white
	5%	**Dolomite** light gray to light gray brown, micro crystalline, soft to occasionally moderately hard, dolomite cement, tight, no shows, very argillaceous grading to dolomitic shale
2,230.00 to 2,240.00 (10.00)	80%	**Salt** clear
	10%	**Dolomite** light brown to buff, micro crystalline, moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
	10%	**Shale** light gray to light green to occasionally red, fissile to sub fissile, soft to moderately hard, dolomitic to very dolomitic, grading to very argillaceous dolomite in part
2,240.00 to 2,250.00 (10.00)	80%	**Dolomite** predominately light gray to light gray brown to occasionally green gray and tan, micro crystalline, very soft to soft, dolomite cement, tight, no shows, argillaceous to very argillaceous, grading to dolomitic shale
	20%	**Shale** light green to occasionally red, fissile to sub fissile, moderately hard, dolomitic
2,250.00 to 2,255.00 (5.00)	80%	**Shale** light gray to light gray brown, fissile to sub fissile, very soft to soft, very dolomitic, grades to argillaceous dolomite, anhydritic

2,250.00 to 2,255.00 (5.00)	20%	**Dolomite** light gray to light gray brown to tan, micro crystalline, very soft to soft, dolomite cement, tight, no shows, very argillaceous, grades to dolomitic shale
2,255.00 to 2,265.00 (10.00)	50%	**Shale** light to medium gray to light gray brown to occasionally green, sub fissile, very soft to soft, very dolomitic, grading to argillaceous dolomite, rare pyrite
	30%	**Salt** clear
	20%	**Dolomite** off white to very light brown, micro crystalline, soft, dolomite cement, tight, no shows, very argillaceous
2,265.00 to 2,270.00 (5.00)	70%	**Shale** light green to light to medium gray to occasionally red, fissile to sub fissile, very soft to soft, very dolomitic, grades to very argillaceous dolomite, occasional finely disseminated pyrite
	20%	**Salt** clear
	10%	**Dolomite** as above
2,270.00 to 2,280.00 (10.00)	65%	**Shale** light green to predominately light gray to light gray brown, fissile to sub fissile, soft, dolomitic to very dolomitic, grading to very argillaceous dolomite
	25%	**Dolomite** off white to light brown, occasionally mottled, micro crystalline, soft to moderately hard, predominately tight to occasional very poor pin point porosity, no shows, slightly argillaceous to argillaceous
	10%	**Anhydrite** white, micro crystalline, sucrosic in part, soft, anhydrite cement, tight, no shows
2,280.00 to 2,285.00 (5.00)	55%	**Shale** light green to gray green to light to dark gray, fissile to sub fissile, soft to moderately hard, dolomitic to very dolomitic in part, anhydritic in part
	30%	**Salt** clear
	10%	**Dolomite** light brown, micro crystalline, sucrosic in part, moderately hard, dolomite cement, tight, no shows, argillaceous
	5%	**Anhydrite** clear to white, micro crystalline, moderately hard, anhydrite cement, tight, no shows

2,285.00 to 2,290.00 (5.00)	75%	**Shale** light green to tan to light brown, fissile to sub fissile, soft to occasionally moderately hard, dolomitic to very dolomitic, occasionally grading to argillaceous dolomite, micro micaceous, common to abundant argillaceous chert, occasional pyrite
	25%	**Salt** clear
2,290.00 to 2,295.00 (5.00)	80%	**Salt** clear
	20%	**Shale** predominately light gray to occasionally light green, fissile to sub fissile, soft, dolomitic to very dolomitic
2,295.00 to 2,300.00 (5.00)	90%	**Shale** predominately light gray, occasional light green, light brown and dark gray, sub blocky to blocky, dolomitic in part, very soft to moderately hard, trace pyrite
	5%	**Chert** dark gray to gray brown, very hard, argillaceous to very argillaceous
	5%	**Salt** clear
2,300.00 to 2,305.00 (5.00)	70%	**Shale** light green to gray green to light gray, occasionally medium gray, fissile to sub fissile, soft, dolomitic to very dolomitic
	30%	**Salt** clear
2,305.00 to 2,310.00 (5.00)	80%	**Shale** light to dark gray to light green to gray green, fissile to sub fissile, soft to occasionally moderately hard, dolomitic to very dolomitic, grades to argillaceous dolomite
	10%	**Dolomite** light brown, micro crystalline, moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
	10%	**Sandstone** clear, quartzose, very fine to medium grain, moderately sorted, angular to sub round, unconsolidated, minor silica cement, inferred fair intergranular porosity, no shows, very clean
2,310.00 to 2,320.00 (10.00)	80%	**Shale** medium to dark gray to brown gray, occasionally light green gray, sub blocky to blocky, moderately hard to hard, dolomitic, occasional chert (fractures?)
	20%	**Dolomite** light to medium brown, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous

2,320.00 to 2,325.00 (5.00)	80%	**Shale** dark gray to black to dark gray brown, sub blocky to blocky, moderately hard to hard, dolomitic to very dolomitic, occasionally grading to argillaceous dolomite
	20%	**Dolomite** medium brown to gray brown, micro crystalline, hard, calcite and dolomite cement, tight, no shows, argillaceous to very argillaceous, trace pyrite
2,325.00 to 2,330.00 (5.00)	65%	**Shale** light green to medium gray to brown gray, sub fissile to sub blocky, soft to moderately hard, occasionally hard, dolomitic to very dolomitic in part
	30%	**Dolomite** off white to light to medium brown, mottled in part, micro crystalline, hard to very hard, dolomite with minor calcite cement, tight, no shows, argillaceous to very argillaceous in part, slightly anhydritic in part, silty in part
	5%	**Anhydrite** white to off white, micro crystalline, soft to moderately hard, occasionally hard, anhydrite cement, tight, no shows
2,330.00 to 2,335.00 (5.00)	70%	**Dolomite** white to off white to tan to light brown to gray brown, mottled in part, crypto to micro crystalline, hard, calcite and dolomite cement, tight, no shows, silty to very silty in part, occasionally grading to dolomitic siltstone in part, argillaceous to occasionally very argillaceous, occasional pyrite, trace fossils
	30%	**Shale** light to medium green to gray to occasionally brown and red, fissile to sub blocky, soft to moderately hard, waxy in part, slightly dolomitic in part, trace pyrite
2,335.00 to 2,340.00 (5.00)	65%	**Dolomite** white to light brown to tan, micro crystalline, soft to moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grading to dolomitic shale
	35%	**Shale** light to dark gray to light to medium green to brown, fissile to sub fissile, soft to moderately hard, dolomitic to occasionally very dolomitic
2,340.00 to 2,350.00 (10.00)	75%	**Shale** light to medium green to medium gray green to gray, fissile, soft to occasionally moderately hard, very slightly dolomitic in part, minor pyrite, waxy in part, splintery in part
	25%	**Dolomite** light to medium brown, mottled with white, micro to very fine crystalline, hard, dolomite cement, tight, argillaceous, occasional fossils, occasional glauconite (?)
2,350.00 to 2,360.00 (10.00)	75%	**Shale** predominately light to medium green to light gray to gray green to light brown and occasionally red and dark gray, fissile to sub fissile, moderately hard, waxy in part, very slightly dolomitic in part, trace finely disseminated pyrite, trace fractures, occasional glauconite

2,350.00 to 2,360.00 (10.00)	25%	**Dolomite** white to occasionally light brown, micro crystalline, moderately hard to hard, dolomite with minor calcite cement, tight, no shows, argillaceous to very argillaceous in part
2,360.00 to 2,370.00 (10.00)	65%	**Shale** light gray to light green to very light brown to green gray to occasionally dark gray, fissile to sub fissile, soft to predominately moderately hard, dolomitic to very dolomitic in part, occasionally grading to argillaceous dolomite in part, occasional pyrite
	30%	**Anhydrite** white to clear, sucrosic, micro to occasionally very fine crystalline, soft to moderately hard, friable in part, anhydrite with minor dolomite cement, tight to poor intercrystalline porosity, no shows, dolomitic to very dolomitic in part
	5%	**Dolomite** medium brown, micro crystalline, hard, calcite and dolomite cement, tight, no shows, argillaceous
2,370.00 to 2,375.00 (5.00)	80%	**Shale** light green to gray green to tan, fissile to sub fissile, moderately hard, occasional finely disseminated pyrite, slightly dolomitic in part, micro micaceous
	10%	**Anhydrite** as above
	10%	**Limestone** off white to light brown, mottled in part, micro crystalline, hard, calcite cement, tight, no shows, slightly anhydritic, argillaceous
2,375.00 to 2,380.00 (5.00)	65%	**Shale** predominately light green to light gray green, occasionally light gray and light brown, fissile to sub fissile, moderately hard, very slightly dolomitic in part, micro micaceous
	25%	**Anhydrite** white to occasionally clear, micro to occasional very fine crystalline, soft to moderately hard, anhydrite with calcite and minor dolomite cement, tight, no shows, calcareous to very calcareous in part
	10%	**Dolomite** medium brown, micro crystalline, hard, dolomite and calcite cement, tight, no shows, anhydritic in part, argillaceous
2,380.00 to 2,385.00 (5.00)	60%	**Shale** light green to light brown, fissile to sub fissile, moderately hard, very slightly dolomitic in part, trace finely disseminated pyrite
	20%	**Anhydrite** white, sucrosic, micro crystalline, soft to moderately hard, friable in part, anhydrite with minor calcite cement, tight, no shows, calcareous to very calcareous

2,380.00 to 2,385.00 (5.00)	20%	**Limestone** light to medium brown to occasionally off white, mottled in part, micro crystalline, moderately hard to hard, calcite and dolomite cement, tight, no shows, argillaceous, dolomitic in part, anhydritic to very anhydritic
2,385.00 to 2,390.00 (5.00)	60%	**Shale and Anhydrite** as above
	40%	**Dolomite** light to medium brown to off white, micro crystalline, moderately hard, calcite and dolomite cement, tight, no shows, argillaceous, trace pyrite, calcareous to very calcareous, also dolomite, white to off white, micro to very fine crystalline, soft to moderately hard, friable in part, calcite cement, tight to poor intercrystalline porosity, no shows, very calcareous, slightly argillaceous
2,390.00 to 2,395.00 (5.00)	70%	**Shale** predominately light green, also light gray, light brown and gray green, sub fissile to sub blocky, moderately hard to occasionally hard, trace finely disseminated pyrite
	20%	**Dolomite** off white to light to medium brown, micro to very fine with occasional fine crystalline, moderately hard to hard, dolomite and calcite cement, tight to poor intercrystalline porosity, minor bitumen stain, argillaceous, trace pyrite, slightly anhydritic
	10%	**Anhydrite** white, micro crystalline, slightly sucrosic in part, hard, anhydrite cement, tight, no shows
2,395.00 to 2,400.00 (5.00)	70%	**Shale** light to medium green to light gray, fissile to sub fissile, soft to moderately hard, trace finely disseminated pyrite
	20%	**Dolomite** off white to light brown, mottled in part, micro to very fine crystalline, soft to moderately hard, friable in part, sucrosic in part, dolomite and calcite cement, tight to poor intercrystalline porosity, no shows, argillaceous, trace pyrite, anhydritic
	10%	**Anhydrite** as above
2,400.00 to 2,405.00 (5.00)	80%	**Shale** light to occasionally medium green to medium to dark brown to medium to dark gray, fissile to sub blocky, moderately hard to hard, dolomitic to very dolomitic in part, occasional pyrite
	10%	**Anhydrite** white, micro crystalline, moderately hard to hard, anhydrite with minor dolomite cement, tight, no shows
	10%	**Dolomite** light to medium brown, mottled in part, micro crystalline, hard, dolomite with minor calcite cement, tight, no shows, argillaceous to very argillaceous, anhydritic, trace pyrite

2,405.00 to 2,410.00 (5.00)	70%	**Dolomite** dark gray to light to dark brown, mottled in part with white, micro to occasional very fine crystalline, hard to very hard, dolomite with minor calcite cement, tight, no shows, argillaceous to very argillaceous in part, trace pyrite, anhydritic to occasionally very anhydritic, grading to dolomitic anhydrite in part
	30%	**Shale** light green to light brown, fissile to sub fissile, moderately hard, occasional pyrite, very slightly dolomitic in part
2,410.00 to 2,415.00 (5.00)	55%	**Shale** light green to gray green to light brown to light gray, occasionally dark gray, fissile to sub fissile, moderately hard to occasionally hard, trace finely disseminated pyrite
	35%	**Dolomite** off white to light brown, occasionally medium to dark brown, mottled in part, micro crystalline, moderately hard to hard, dolomite with minor calcite cement, tight, no shows, argillaceous, slightly calcareous to calcareous in part, slightly anhydritic in part
	10%	**Anhydrite** white to off white, micro crystalline, sucrosic in part, soft to moderately hard, anhydrite cement, tight, no shows
2,415.00 to 2,420.00 (5.00)	70%	**Shale** light to medium green to light gray to medium brown, fissile to sub fissile, soft to moderately hard, trace pyrite, occasional carbonaceous flecks in part
	30%	**Dolomite** white to off white to light gray brown, micro crystalline, hard, dolomite and calcite cement, tight, no shows, argillaceous, anhydritic, calcareous, minor anhydrite
2,420.00 to 2,425.00 (5.00)	75%	**Shale** light to medium gray to light green to light brown to occasionally dark brown, very soft to moderately hard, fissile to sub fissile, dolomitic to very dolomitic, grades to argillaceous dolomite, occasional pyrite
	25%	**Dolomite** light brown gray to light brown, micro crystalline, hard, dolomite and calcite cement, tight, no shows, argillaceous to occasionally very argillaceous, minor anhydrite
2,425.00 to 2,432.50 (7.50)	60%	**Limestone** white to light gray to light brown, mottled in part, crypto to micro crystalline, hard, calcite cement, tight, no shows, argillaceous to very argillaceous in part, occasional fossils, anhydritic in part
	35%	**Shale** light to medium green to occasionally light brown and light gray, fissile to sub fissile, moderately hard, trace finely disseminated pyrite
	5%	**Dolomite** light brown, micro to very fine crystalline, moderately hard, dolomite cement, tight to poor intercrystalline porosity, no shows, slightly argillaceous

2,432.50 to 2,435.00 (2.50)	65%	**Limestone** off white to light brown to light gray, mottled, crypto to micro crystalline, calcite and dolomite cement, tight, no shows, argillaceous, dolomitic in part, occasional pyrite, occasional fossils
	35%	**Shale** light green to light brown to light to dark gray, fissile to sub fissile, soft to moderately hard, trace pyrite, dolomitic to very dolomitic in part, grades to argillaceous dolomite in part
2,435.00 to 2,440.00 (5.00)	70%	**Shale** light to medium green to light gray to light brown, occasionally medium to dark brown and dark gray, fissile to sub blocky, soft to moderately hard, occasionally hard, dolomitic to very dolomitic in part, occasionally grading to argillaceous dolomite, trace pyrite
	30%	**Limestone** white to light brown, mottled in part, crypto to micro crystalline, hard, calcite with minor dolomite cement, tight, no shows, argillaceous to very argillaceous, dolomitic in part, occasional pyrite, occasional fossils, occasional anhydrite
2,440.00 to 2,442.50 (2.50)	85%	**Shale** light green to light brown to light gray, fissile to sub fissile, moderately hard, platey in part, trace finely disseminated pyrite
	15%	**Limestone** as above
2,442.50 to 2,445.00 (2.50)	50%	**Siltstone** light gray to light brown, quartzose, very minor lithics, silt to occasional very fine grain, well sorted, sub round to round, hard, silica with minor calcite cement, tight, no shows, slightly argillaceous, occasional calcite veins
	25%	**Limestone** off white to light brown, mottled, crypto to micro crystalline, moderately hard to hard, calcite cement, tight, no shows, argillaceous, occasional pyrite
	25%	**Shale** as above
2,445.00 to 2,447.50 (2.50)	70%	**Siltstone** light gray to occasionally light brown, quartzose, silt to occasional very fine grain, well sorted, sub round to round, hard to very hard, silica with minor calcite cement, tight, no shows, slightly argillaceous to argillaceous, occasional glauconite
	30%	**Shale and Limestone** as above
2,447.50 to 2,450.00 (2.50)	35%	**Dolomite** light to medium brown, mottled in part, micro to very fine crystalline, hard, dolomite and calcite cement, tight, no shows, argillaceous, occasionally silty, anhydritic, trace pyrite, calcareous to very calcareous, grades to dolomitic limestone

2,447.50 to 2,450.00 (2.50)	35%	**Shale** light to medium green to occasionally light gray to light brown, fissile to sub fissile, moderately hard to hard, occasional pyrite
	15%	**Limestone** off white to light to medium brown, mottled, micro crystalline, moderately hard to hard, calcite cement, tight, no shows, argillaceous to occasionally very argillaceous, silty to very silty in part
	15%	**Siltstone** light gray to light to medium brown, quartzose, silt size, well sorted, sub round to round, hard to very hard, silica and calcite cement, tight, no shows, argillaceous to very argillaceous, occasionally grading to silty shale, trace glauconite
2,450.00 to 2,452.50 (2.50)	90%	**Dolomite** light to medium brown, mottled, micro to very fine crystalline, moderately hard to hard, calcite and dolomite cement, tight, no shows, argillaceous to very argillaceous, calcareous to very calcareous, occasionally grading to dolomitic limestone, silty to occasionally very silty in part, trace pyrite
	10%	**Shale** as above
2,452.50 to 2,455.00 (2.50)	85%	**Dolomite** light to medium brown to dark gray brown, micro to very fine crystalline, moderately hard to hard, dolomite and calcite cement, tight, no shows, argillaceous to very argillaceous in part, silty to very silty in part, calcareous to very calcareous in part, occasionally grades to limestone and siltstone
	15%	**Shale** light green to very light gray brown, fissile to sub fissile, soft to moderately hard, dolomitic in part, occasional pyrite
2,455.00 to 2,457.50 (2.50)	70%	**Shale and Dolomite** 60% dolomite and 10% shale, as above
	30%	**Siltstone** light gray to light brown, quartzose, silt size, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, argillaceous to very argillaceous, dolomitic, occasionally grading to very silty shale, occasional pyrite
2,457.50 to 2,460.00 (2.50)	80%	**Dolomite** medium to dark brown, mottled, micro to predominately very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous, trace pyrite
	20%	**Shale** light to medium green, sub fissile to sub blocky, moderately hard to hard, occasional pyrite

2,460.00 to 2,462.50 (2.50)	80%	**Dolomite** medium to dark gray brown, occasionally light brown, mottled, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, occasionally grading to very dolomitic shale, silty in part, trace pyrite, occasional glauconite
	20%	**Shale** light gray green to light green, fissile to sub fissile, moderately hard to hard, trace finely disseminated pyrite
2,462.50 to 2,465.00 (2.50)	60%	**Siltstone** light gray to light brown, quartzose, silt to occasional very fine grain, well sorted, sub angular to round, hard, dolomite with minor silica cement, tight, no shows, trace glauconite, dolomitic to very dolomitic grading to silty dolomite in part, trace pyrite
	30%	**Dolomite** light gray to light to dark brown, predominately very fine crystalline, hard, dolomite cement, tight, no shows, silty to very silty, occasionally grades to dolomitic siltstone, trace pyrite, trace glauconite
	10%	**Shale** as above
2,465.00 to 2,467.50 (2.50)	80%	**Siltstone** clear to light gray to light brown, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica with minor dolomite cement, tight, no shows, trace to common glauconite, argillaceous in part, grades to very fine grain sandstone, trace pyrite
	20%	**Dolomite and Shale** as above
2,467.50 to 2,470.00 (2.50)	50%	**Dolomite** medium brown to gray brown to off white, mottled in part, micro to very fine crystalline, moderately hard, calcite and dolomite cement, tight, no shows, argillaceous to very argillaceous
	40%	**Shale** light to medium green to light brown to light gray, fissile to sub fissile, moderately hard to hard, trace finely disseminated pyrite
	10%	**Siltstone** as above
2,470.00 to 2,472.50 (2.50)	80%	**Siltstone** light gray to light to medium brown, occasionally clear, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, dolomite and silica cement, tight, no shows, slightly argillaceous, trace pyrite, trace glauconite, dolomitic to occasionally very dolomitic, occasionally grades to silty dolomite
	20%	**Shale and Dolomite** as above

2,472.50 to 2,475.00 (2.50)	60%	**Siltstone** *light to medium gray to occasionally light brown, quartzose, silt to very fine grain,* well sorted, sub angular to round, hard to occasionally very hard, dolomite and silica cement, tight, no shows, common glauconite, argillaceous, occasionally grades to sandstone, dolomitic
	20%	**Dolomite** as above
	20%	**Shale** light gray to light green, fissile to sub blocky, moderately hard to hard, occasional pyrite
2,475.00 to 2,477.50 (2.50)	60%	**Sandstone** light gray to light brown to clear, occasionally medium gray, quartzose, silt to lower fine grain, moderately sorted, hard, sub angular to round, silica with minor dolomite cement, tight, no shows, trace to common glauconite, slightly argillaceous to argillaceous, grades to siltstone in part
	25%	**Shale** light gray to light to medium green to light brown, occasionally dark gray, fissile to sub fissile, moderately hard to hard, trace finely disseminated pyrite
	15%	**Dolomite** white to medium to dark brown, mottled, micro to very fine crystalline, moderately hard to hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous, silty in part, slightly calcareous in part, trace pyrite
2,477.50 to 2,480.00 (2.50)	50%	**Shale** *light to medium gray to light to medium green, fissile to sub fissile, platey,* moderately hard, trace finely disseminated pyrite
	40%	**Sandstone** clear to light gray to light brown, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, trace to common glauconite, argillaceous to occasionally very argillaceous, trace pyrite
	10%	**Dolomite** white to light to medium brown, mottled, micro to very fine crystalline, moderately hard to hard, dolomite with minor calcite cement, tight, no shows, argillaceous in part, silty in part, anhydritic in part, minor anhydrite
2,480.00 to 2,482.50 (2.50)	50%	**Shale** light to medium gray to light to medium green to light brown gray, fissile to sub fissile, moderately hard, occasional finely disseminated pyrite
	30%	**Sandstone** white to clear to light gray to pinky orange, quartzose, silt to very fine grain, occasional fine grain, well sorted, sub angular to round, hard, silica with minor dolomite cement, tight, no shows, trace to common glauconite in part
	20%	**Dolomite** as above, minor anhydrite

2,482.50 to 2,490.00 (7.50)	85%	**Shale** light to medium green to light gray to red orange, very soft to moderately hard, fissile to sub fissile, trace finely disseminated pyrite, grades to mudstone in part (red orange)
	15%	**Sandstone** light gray, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, occasional pyrite, minor anhydrite
2,490.00 to 2,495.00 (5.00)	80%	**Shale** light to medium gray to green to brown to pink orange, occasionally dark gray, fissile to sub fissile, very soft to moderately hard, micro micaceous in part, occasionally slightly silty, becomes mudstone in part (pink orange)
	10%	**Dolomite** off white to light to medium brown, micro to very fine crystalline, moderately hard to hard, dolomite with minor calcite cement, tight, no shows
	10%	**Siltstone** light gray, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, occasional glauconite, trace pyrite
2,495.00 to 2,505.00 (10.00)	80%	**Shale** very light gray brown to light gray green to occasionally medium to dark gray and pink orange, fissile to sub fissile, very soft to moderately hard, trace finely disseminated pyrite
	15%	**Siltstone** off white to occasionally pink orange, quartzose, silt to very fine grain, occasional fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, occasionally grades to sandstone
	5%	**Anhydrite** white, sucrosic, micro crystalline, moderately hard, anhydrite cement, tight, no shows
2,505.00 to 2,515.00 (10.00)	85%	**Shale** light to medium green to light to medium gray to light brown, occasionally dark gray, fissile to sub fissile, platey in part, soft to moderately hard, occasional finely disseminated pyrite, grades to mudstone
	10%	**Anhydrite** white to occasionally clear, sucrosic in part, micro to occasional very fine crystalline, moderately hard, anhydrite with minor dolomite cement, tight, no shows, occasional pyrite, dolomitic
	5%	**Dolomite** very light gray to occasionally dark brown, occasionally sucrosic in part, micro to very fine crystalline, moderately hard, dolomite and calcite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale

2,515.00 to 2,525.00 (10.00)	90%	**Shale** light gray to light brown to very light to light green, fissile to sub fissile, soft to moderately hard, micro micaceous in part, dolomitic in part, grades to mudstone in part
	10%	**Anhydrite** white to off white, micro to crystalline, soft to moderately hard, anhydrite with minor dolomite cement, tight, no shows, slightly dolomitic, occasional dolomite
2,525.00 to 2,530.00 (5.00)	80%	**Shale** light to medium gray to light green to very light to light brown, fissile to sub fissile, platey in part, soft to moderately hard, grades to mudstone in part, micro micaceous, occasional calcite veins
	10%	**Anhydrite** white to light brown, micro crystalline, moderately hard to hard, anhydrite with minor dolomite cement, tight, no shows
	10%	**Siltstone** light gray to light brown, quartzose, silt to occasional very fine grain, well sorted, sub angular to round, hard, silica with minor dolomite cement, tight, no shows, slightly argillaceous, trace glauconite
2,530.00 to 2,535.00 (5.00)	65%	**Shale** light gray to light green to light green gray, occasionally light brown and dark gray, fissile to sub fissile, moderately hard to hard, micro micaceous, occasional silt grains, occasional glauconite, grades to mudstone in part, dolomitic to very dolomitic grading to argillaceous dolomite
	20%	**Siltstone** light to medium gray to light brown, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, trace glauconite, trace pyrite, argillaceous
	15%	**Anhydrite** white to light brown to occasional pink brown, micro to occasional very fine crystalline, moderately hard, anhydrite with minor dolomite cement, tight, no shows
2,535.00 to 2,545.00 (10.00)	85%	**Shale** light green to light gray to green gray, occasionally brown and dark gray, fissile to sub fissile, platy in part, splintery in part, moderately hard to hard, trace finely disseminated pyrite, grades to mudstone in part, dolomitic to very dolomitic in part grading to argillaceous dolomite
	15%	**Siltstone and Anhydrite** 10% anhydrite and 5% siltstone, as above
2,545.00 to 2,555.00 (10.00)	65%	**Shale** light gray to light green, occasionally medium gray and medium green, fissile to sub blocky, moderately hard to hard, grades to mudstone in part, trace pyrite, occasional glauconite in part

2,545.00 to 2,555.00 (10.00)	20%	**Anhydrite** white to off white, occasionally very light green, micro crystalline, occasionally sucrosic, soft to moderately hard, anhydrite cement, tight, no shows, slightly argillaceous in part
	15%	**Dolomite** light brown, occasionally mottled, micro crystalline, moderately hard to hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
2,555.00 to 2,565.00 (10.00)	70%	**Shale** predominately light green to light gray, occasionally dark gray and brown, fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, occasional glauconite, becomes very light gray mudstone
	15%	**Anhydrite** white to off white to occasionally very light green, micro crystalline, soft to moderately hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part
	15%	**Dolomite** off white to light brown, micro crystalline, soft to moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale
2,565.00 to 2,570.00 (5.00)	80%	**Shale** light gray to green gray to very light gray mudstone, occasionally brown and dark gray, fissile to sub blocky, occasionally blocky, moderately hard to hard, occasionally very hard, trace finely disseminated pyrite, occasional glauconite, rare trilobites
	15%	**Anhydrite** white to off white to occasionally light brown, micro crystalline, occasionally sucrosic, anhydrite with minor dolomite cement, tight, no shows
	5%	**Dolomite** light brown, mottled, micro crystalline, moderately hard to hard, dolomite cement, tight, no shows
2,570.00 to 2,575.00 (5.00)	70%	**Shale** light gray to light green to light gray mudstone, occasionally dark gray and brown, fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, slightly dolomitic in part, occasional glauconite in part
	10%	**Anhydrite** white to off white, micro crystalline, moderately hard, anhydrite and dolomite cement, tight, no shows
	10%	**Dolomite** off white to light brown, crypto to micro crystalline, hard, dolomite cement, tight, no shows, argillaceous in part
	10%	**Quartzite** very light green, massive, hard to very hard, slightly dolomitic, argillaceous

2,575.00 to 2,580.00 (5.00)	70%	**Shale** light green to light gray to green gray to medium gray, fissile to sub fissile, moderately hard to hard, slightly dolomitic in part, slightly silty in part, trace finely disseminated pyrite, occasionally grades to mudstone
	15%	**Quartzite** very light green to occasionally light green, massive, hard to very hard, argillaceous, slightly dolomitic in part
	10%	**Anhydrite** white to off white to light brown to occasionally green, micro crystalline, moderately hard, anhydrite cement, tight, no shows
	5%	**Dolomite** as above
2,580.00 to 2,585.00 (5.00)	70%	**Shale** predominately light gray to light green, very light gray mudstone, fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, slightly dolomitic to dolomitic in part
	15%	**Anhydrite** white to occasionally green and light brown, micro crystalline, occasionally sucrosic, soft to moderately hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part
	15%	**Dolomite** light brown to light gray, micro to occasional very fine crystalline, moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale, occasional green specks
2,585.00 to 2,600.00 (15.00)	50%	**Quartzite** white to light gray with green specks, massive, occasional visible grains, hard to very hard, slightly dolomitic in part, slightly argillaceous
	40%	**Shale** light to medium gray to light to medium green to occasionally brown, very light gray mudstone, fissile to sub blocky, moderately hard to hard, trace green specks, occasional finely disseminated pyrite, loose quartz crystals
	10%	**Anhydrite** white, micro crystalline, soft to moderately hard, anhydrite cement, tight, no shows

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FINAL WELL REPORT

EOG RESOURCES CANADA INC.

EOG ET AL DEVO CREEK P-45

Grid #65°30' 127°30'
UID: 300/P45653012730/00

DATE: May 20, 2002

COMPANY REPRESENTATIVE:
Lane Dunham
Drilling Manager

TABLE OF CONTENTS

A. INTRODUCTION — Page

Summary 1
Locality Map 5

B. GENERAL DATA

Well Name 6
Well Location 6
Unique Well Identifier 6
Operator 6
Contractor 6
Drilling Unit 6
Position Keeping 6
Support Craft 6
Drilling Unit Performance 6
Difficulties and Delays 6
Total Well Cost 6
Horizontal/Deviated Wells Require Bottom Hole Co-ordinates 6

C. SUMMARY OF DRILLING OPERATIONS

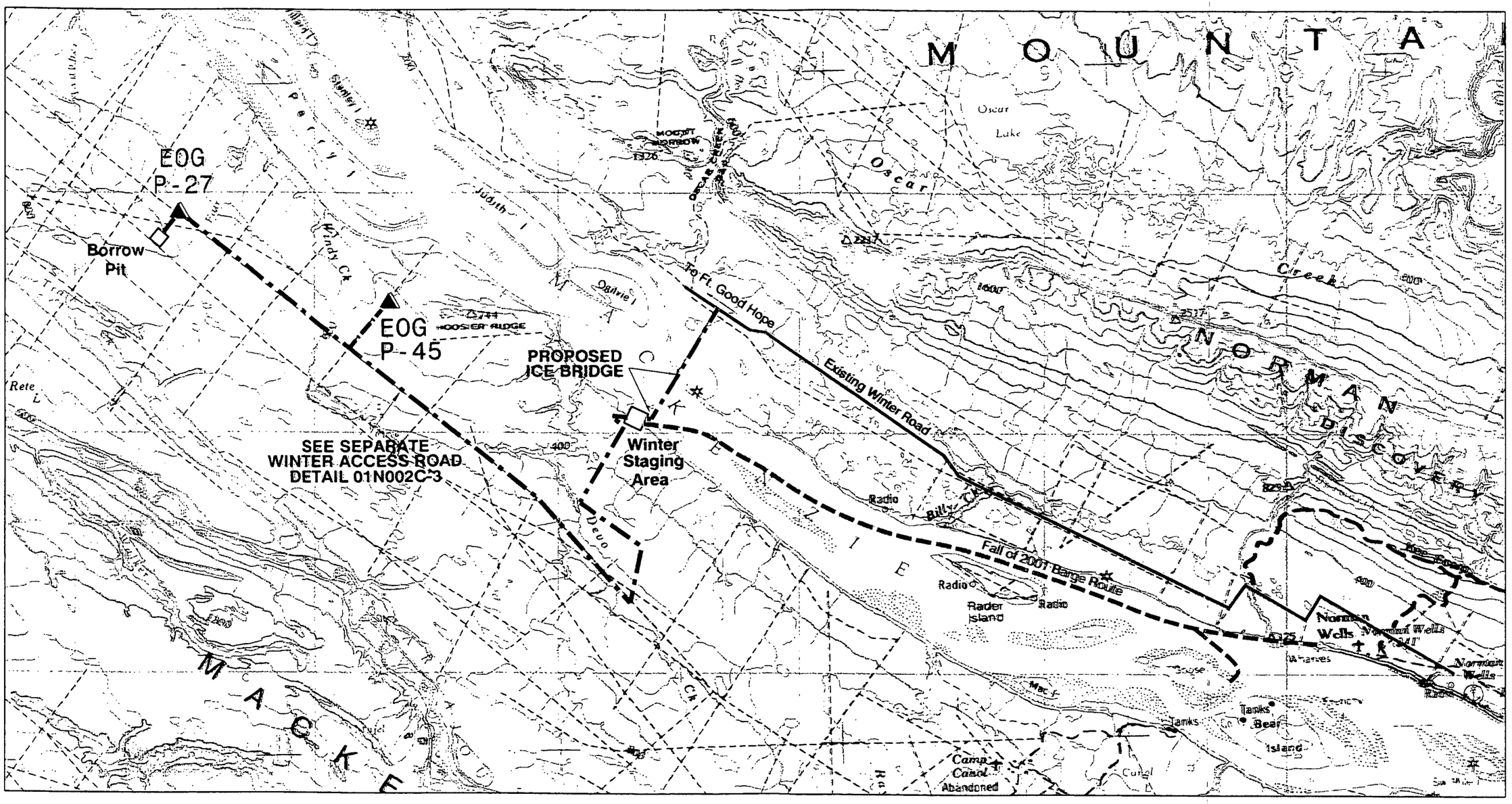
Elevations 7
Total Depth 7
Date and Hour Spudded 7
Date Drilling Completed 7
Date of Rig Release 7
Well Status 7
Hole Sizes and Depths 7
Casing and Cementing Record 7
Sidetracked Hole 9
Drilling Fluid 9
Fishing Operations 10
Well Kicks and Well Control Operations 10
Formation Leak Off Tests 10
Time Distribution 11
Deviation Survey 12
Abandonment Plugs 18
Composite Well Record 20
Completion Record 20

D. GEOLOGY

	Page
Geological Summary	21
Tops	22
Sample Descriptions	25
Wireline Logging Summary	82
Core Report	85
Drill Stem Test Summaries	86

E. APPENDICES TO WELL HISTORY REPORT 90

1. Daily Drilling Reports
2. Daily Mud Record
3. Drill Bit Record
4. Surface Casing Report
5. Intermediate Casing Report
6. Drilling Curve
7. Drill Stem Test Reports


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SEE SEPARATE
WINTER ACCESS ROAD
DETAIL 01N002C-3
Winter
Staging
Area
To Ft. Good Hope
Existing Winter Road
Fall of 2001 Barge Route
MACKENZIE
MOUNTAINS
NORMAN
WELLS
DISCOVERY
Oscar
Lake
Oscar
Creek
Windy Ck
Judith
Ogilvie
Hooker Ridge
Hooker Horrow
Rete
Devo
Radio
Bill
Ck
Rader
Island
Radio
Radio
Norman
Wells
Norman Wells
Airport
Norman
Wells
Radio
Tanks
Tanks
Bear
Island
Camp
Canol
Abandoned
Canol
Mac
Ck
Ra
Ra
Stanley
Creek
Creek
Creek

A. INTRODUCTION

EOG RESOURCES CANADA INC. (EOG) drilled a 2600 metre exploratory well referred to as EOG et al DEVO CREEK P-45 65°30' 127°30' during the winter of 2002. The well was spud on January 15, 2002 at 11:00 hrs and finished drilling at 05:30 hrs on March 8, 2002. The rig was released at 12:00 hrs on March 15, 2002. This well was drilled to evaluate gas potential in the Mount Clark formation at a depth of 2469 mKB.

The drilling contractor was Akita/Sahtu Drilling based out of Calgary, Alberta. The drilling rig used was a Diesel land rig rated for 2600 m. The rig had a 60 m^3 single tank mud system supported by additional tankage totaling 154 m^3. Two 100 HP Lister Boilers were used for winter operations.

The well was drilled on Exploration License #401 in which EOG has a 42.5 % working interest. Operating License No. 965 was issued to EOG on February 8, 2001.

The well was located approximately 65 km northwest of Norman Wells, falls in the Hoosier Ridge area. The exact co-ordinates of the well are as follows:

Latitude:	65°24'52.193"
Longitude:	127°37'43.882"

Conductor casing #1 (508 mm, 139.9 kg/m, H-40) was set to 16 m using a conductor hole auger & hoe on January 2, 2002. The drilling rig was moved on to location January 3 – 5, 2002. The conductor casing was cemented with 7.7 tonnes of Arctic Set cement (plus additives) via circulation on January 5, 2002. Conductor hole #2 was drilled with a 445 mm bit and rotary tools to a depth of 100 m. 339.7 mm, 81.8 kg/m, J-55 conductor casing was run and cemented with 18 t of Arctic Set cement (plus additives) via circulation on January 7, 2002. A diverter system was attached to the conductor casing complete with HCR and flare line. The diverter and HCR were function and pressure tested satisfactorily.

The cement was drilled out and surface hole was drilled ahead to 327 m using a 311 mm bit (first core point). Drilling problems included gravel and boulder with minor deviation which was controlled with low weight on bit and high RPM. Some tight hole was observed and reaming was required. Core #1 was cut from 327 mKB – 345 mKB on January 11, 2002 and 100% of the core was recovered. After coring, the surface hole drilling operation continued. Deviation problems continued to occur and a pilot hole was required to control deviation, again employing low weight on bit and high rpm. The 222 mm pilot hole was drilled to near surface casing setting depth with minor lost circulation which was controlled with conventional LCM pills. The pilot hole was reamed out to 311 mm with a tri-cone bit and minor lost circulation was healed with conventional LCM pills. Surface hole total depth (517.5 mKB) was reached at 03:00 hrs on January 15, 2002.

After conditioning the hole, an open hole logging operation was conducted by Schlumberger on January 15, 2002. Run # 1 included DLT-MSFL-BHC-GR from 517.5 - 99.5 mKB. Run #2 included DIT-LDT-CNL-MLT-GR and Run #3 included FMI-GR over the same interval. Following logging operations, four drill stem tests were carried out as follows:

DST #1	Arnica	462 - 475 mKB
DST #2	Arnica	462 - 475 mKB
DST #3	Hume	320 - 333 mKB
DST #4	Hume	320 - 327 mKB

Full reports covering Drill Stem Testing operations are appended hereto.

After testing operations, the mud and hole were conditioned to run casing. 41 joints of 244.5 mm, 53.6 kg/m, J-55, LT&C casing complete with a Weatherford double valve float shoe were run in the hole and landed at 517.3 mKB. The casing was cemented with 34 tonnes of Arctic Set cement + 12% BWOW D-44 + 0.5% D-65 + 0.7% D-13 + 0.2% D-46 by Dowell Schlumberger. Full returns were observed throughout circulating and displacing the cement with good cement returning to surface (6 m^3). The wiper plug was displaced to bottom and bumped. The pressure was relieved and the floats held with no slump in the annulus.

The diverter was removed and the conductor casing flange cut off. The surface casing landing joint was backed out and a new Barber SMB-1 Drill Thru – 279.4 mm X 244.5 mm X 21,000 kPa casing bowl was threaded on. The BOP's were installed and all components of the BOP system were pressure and function tested satisfactorily.

The float shoe was drilled out on January 21, 2002 with a 222 mm roller cone drilling bit. A formation integrity test was conducted at 522 mKB and the imposed pressure was taken to an equivalent gradient of 22.6 kPa/m at the shoe. No leak off was observed. Deviation problems were encountered immediately and could not be controlled with conventional methods. A directional drilling assembly was constructed and used to maintain a vertical hole. Inclination and azimuth data was captured and a full report in appended hereto. Intermediate casing setting depth (1857 mKB) was reached at 08:45 hrs on February 13, 2002.

After conditioning the hole, an open hole logging operation was conducted by Schlumberger on February 14, 2002. Run # 1 included DLT-MSFL-BHC-GR from 1857.5 - 517.5 mKB. Run #2 included DIT-LDT-CNL-MLT-GR and Run #3 included FMI-GR over the same interval. An MDT tool was run with limited success capturing pressure data on five out of 45 attempts and only one fluid sample.

The hole was conditioned for casing and a tapered string of 177.8 mm intermediate casing was run as follows:

26 joints	469.07 m	177.8 mm, 38.69 kg/m, J-55, LT&C, New ERW
115 joints	1346.60 m	177.8 mm, 34.23 kg/m, J-55, LT&C, New ERW
2 joints	24.99 m	177.8 mm, 38.69 kg/m, J-55, LT&C, New ERW

A Weatherford double valve float shoe was run on bottom and landing joint constructed from 38.69 kg/m casing complete with fluted landing mandrel was run on top. The intermediate casing was landed at 1854.08 mKB by hanging the fluted mandrel in position in the drill through casing bowl. Intermediate casing was cemented in place with 36.5 tonnes of RFC + 1.0% B-139 + 0.4% D-13 + 0.2% D-46 blended to 1740 kg/m^3. The cement was displaced with water and the plug bumped at

19:51 hrs February 16, 2002. Good cement returns (5.0 m^3) were observed and the float equipment held. No slump in the annulus was observed.

After the prescribed cement thickening time, the landing joint was backed out of the landing mandrel and pressure testing of the BOP components commenced immediately. The new bottom hole assembly was constructed and run in the hole. The last BOP components were pressure and function tested satisfactorily and the hole was displaced over to a pre-mixed salt saturated mud system. After conducting a BOP drill, the float equipment was drilled out with a 156 mm roller cone drilling bit on February 18, 2002 at 03:00 hrs. A formation integrity test was conducted at 1865 mKB and the imposed pressure was taken to an equivalent gradient of 22.1 kPa/m at the shoe. No leak off was observed.

After drilling ahead to 1963 mKB the drill string became stuck while conducting a routine deviation survey. After displacing the hole over to fresh water to reduce the hydrostatic head and working the drill string, the pipe was freed and hoisted out of the hole.

The 156 mm main hole was drilled to a final total depth of 2600 mKB in the Pre-Cambrian on March 8, 2002 at 05:30 hrs.

After the well was conditioned, the open hole was logged by Schlumberger. Log run # 1 was a DLT-LDT-CNL-LDT-MSFL-GR-MLT from total depth to the intermediate casing. Log run # 2 was a FMI-BHC-GR over the same interval. The logging tools were on bottom at 00:35 hrs on March 9, 2002 with no problems reported. Following logging operations, a drill stem test was carried out as follows:

DST #5 Mount Cap 2298.5 – 2326.0 mKB

A full report covering Drill Stem Testing operations is appended hereto.

A well termination application was submitted to the Chief Conservation Officer and the well was abandoned accordingly as follows. Abandonment Plug #1 consisted of 1.75 tonnes of 0:1:0 G + 18% salt + 0.3% D-65 + 0.1% D-13 and was placed from TD to 2540 mKB at 05:00 hrs on March 11, 2002. After placing Plug #1, 23 m3 of salt saturated drilling mud was disposed of via deep well disposal by injecting into the open hole below the intermediate casing shoe. Plug #2 consisting of 5.5 tonnes of 0:1:0 G + 18% salt + 0.3% D-65 + 0.1% D-13 was placed from 2355 - 2255 mKB at 17:15 hrs on March 11, 2002. The top of Plug #2 was felt at 2260 mKB with 9000 daN at 11:00 hrs on March 12, 2002. Plug #3 consisting of 3.3 tonnes of 0:1:0 G + 0.5% D-65 was placed across the intermediate casing shoe from 1882 - 1822 mKB at 14:15 hrs on March 12, 2002. The top of Plug #3 was felt at 1831 mKB with 9000 daN at 23:00 hrs on March 12, 2002.

The remaining salt saturated drilling fluid in the intermediate casing was displaced with inhibited water. Subsequently, a perforating gun was loaded with mixed charges in order to perforate the intermediate casing from 727 - 728.5 mKB for further deep well disposal operations. An additional 144 m3 of salt saturated drilling fluid was disposed of via these perforations in the Ronning Formation.

Abandonment Plug #4 consisting of 2.2 tonnes of 0:1:0 G cement was then placed from 747

- 687 mKB at 08:23 hrs on March 14, 2002. The top of Plug #4 was felt with 9000 daN at 688 mKB. A final plug was placed from 22 m to surface consisting of one tonne of 0:1:0 G cement. Subsequently, the BOP's were lifted and the drilling rig was dismantled and demobilized to Norman Wells, NT. The drilling rig was released March 15, 2002 at 12:00 hrs.

The casings were cut off two meters below ground level and marked with a sign in accordance with the Canada Oil and Gas Drilling Regulations for onshore wells.

B. GENERAL DATA

1. Well Name: EOG et al DEVO CREEK P-45 65°30' 127°30'

   Authority to Drill a Well No.: 9211-E35-1-1

   Exploration Agreement Number: EL 401

   Location Unit: P

   Section: 45

   Grid Area: 65°30' 127°30'

   Classification: New Field Wildcat

2. Well Location:
   Coordinates: Latitude: 65° 24' 52.193"
   Longitude: 127° 37' 43.882"

3. Unique Well Identifier: 300/P45653012730/00

4. Operator: EOG RESOURCES CANADA INC.

5. Contractor: Akita/Sahtu Drilling

6. Drilling Unit: Akita Rig #51
   Diesel, Land Rig

7. Position Keeping: Not Applicable, Land Rig

8. Support Craft : Ambulance/Helicopter

9. Drilling Unit Performance: Good

10. Difficulties and Delays: Severe Deviation/Minor Lost Circulation/Stuck Pipe/Low ROP.

11. Total Well Cost: $8.0 Million including lease & access construction/clean up

12. Horizontal Deviated Wells Require Bottom Hole Co-ordinates: N/A

C. SUMMARY OF DRILLING OPERATIONS

1. Elevations:
   - Ground: 154.1 (m above sea level)
   - KB: 160.3 (m above sea level)

2. Total Depth:
   - FTD: 2600 mKB
   - PBTD: Surface

3. Date and Hour Spudded: January 5, 2002 at 11:00 hrs

4. Date Drilling Completed: March 8, 2002 at 05:30 hrs

5. Date of Rig Release: March 15, 2002 at 12:00 hrs

6. Well status: Drilled and Abandoned

7. Hole Sizes and Depths:

Conductor Hole #1:	762 mm to 16 mKB
Conductor Hole #2:	445 mm to 100 mKB
Surface Hole:	311 mm to 519 mKB
Intermediate Hole:	222 mm to 1857 mKB
Main Hole:	156 mm to 2600 mKB

8. Casing and Cementing Record:

   Conductor Hole #1:

Casing Size:	508.0 mm
Casing Weight:	139.9 kg/m
Casing Grade:	H-40
Casing Make:	Unknown
Number of Joints:	2
Thread:	Welded
Depth Set:	16 m (KB)
Cut Height:	At Surface KB
Cut off Depth:	2 m below surface
Date Set:	January 4, 2002
Cement Volume:	7.7 Tonnes
Cement Type:	Arctic Set Cement
Additives:	12% BWOW D-44 + 0.5% D-65 + 0.5% D-13 + 0.2% D-46

C. SUMMARY OF DRILLING OPERATIONS ...continued

Conductor Hole #2:

Casing Size:	339.7 mm
Casing Weight:	81.1 kg/m
Casing Grade:	J-55
Casing Make:	Prudential
Number of Joints:	7
Thread:	ST&C
Depth Set:	99.5 m (KB)
Cut Height:	At Surface KB
Cut off Depth:	2 m below Surface
Date Set:	January 6, 2002
Cement Volume:	18 Tonnes
Cement Type:	Arctic Set Cement
Additives:	12% BWOW D-44 + 0.5% D-65 + 0.5% D-13 + 0.2% D-46

Surface Hole:

Casing Size:	244.5 mm
Casing Weight:	53.6 kg/m
Casing Grade:	J-55
Casing Make:	Prudential
Number of Joints:	41
Thread:	LT&C
Depth Set:	517.3 m (KB)
Cut Height:	At Surface
Date Set:	January 19, 2002
Cement Volume:	34 Tonnes
Float Shoe Depth:	516.7 mKB
Cut Off Depth:	2 m below Surface
Cement Type:	Arctic Set Cement
Additives:	12% BWOW D-44 + 0.5% D-65 + 0.7% D-13 + 0.2% D-46
Cement Top:	Surface (mKB)
Casing Bowl Size:	279 mm X 244.5 mm X 21 MPa
Casing Bowl Make:	Barber SMB1 Drill Through

Intermediate Hole:

Casing Size:	177.8 mm
Casing Weight:	34.23 / 38.69 kg/m
Casing Grade:	J-55
Casing Make:	Ipsco
Number of Joints:	143
Thread:	LT&C
Depth Set:	1854.1 mKB

C. SUMMARY OF DRILLING OPERATIONS ...continued

Cut Height:	Surface
Date Set:	February 16, 2002
Cement Volume:	36.5 Tonnes
Float Shoe Depth:	1853.5 mKB
Cement Type:	Regulated Fill Up (Thixotropic)
Additives:	1.0% B-139 + 0.4% D-13 + 0.2% D-46
Cement Top:	Surface

9. Sidetracked Hole: Not applicable

10. Drilling Fluid:

Conductor Hole #2: Gel - Chemical

Properties:		
	Viscosity:	84 sec/L
	Weight:	1120 kg/m^3
	PH:	10.5
	Water loss:	20 cc/30 min
	Solids:	0.075
	Gels:	12 / 18
	Filter Cake:	2.0
	PV / YP:	14 / 36

Surface Hole: Gel - Chemical

Properties:		
	Viscosity:	63 sec/L
	Weight:	1080 kg/m^3
	PH:	9.0
	Water loss:	8 cc/30 min
	Solids:	0.05
	Gels:	4 / 13
	Filter Cake:	1.5
	PV / YP:	20 / 11

Intermediate Hole: Gel - Chemical

Properties:		
	Viscosity:	52 sec/L
	Weight:	1070 kg/m^3
	PH:	9.5
	Water loss:	8.2 cc/30 min
	Solids:	0.45
	Gels:	2 / 9
	Filter Cake:	1.0
	PV / YP:	14 / 6.5

C. SUMMARY OF DRILLING OPERATIONS ...continued

Main Hole:	Salt Saturated	
Properties:	Viscosity:	60 sec/L
	Weight:	1270 kg/m^3
	PH:	10.5
	Water loss:	8.4 cc/30 min
	Solids:	0.16
	Gels:	5 / 8
	Filter Cake:	1.2
	PV / YP:	20 / 10

11. Fishing Operations: Not Applicable

12. Well Kicks and Well Control Operations: None.

13. Formation Leak Off Tests:

Depth:	522 mKB
Fluid Density:	1000 kg/m^3
Applied Pressure:	6306 kPa
Hydrostatic Press.	5075 kPa
Mud Weight Equi.	2243 kg/m^3
Casing Setting Depth:	517.3 mKB

The leak-off test was taken to a gradient of 22.0 kPa /m and terminated. 80% of this value (18 kPa/m) was used for well control calculations.

Depth:	1865 mKB
Fluid Density:	1270 kg/m^3
Applied Pressure:	17875 kPa
Hydrostatic Press.	23098 kPa
Mud Weight Equi.	2253 kg/m^3
Casing Setting Depth:	1854 mKB

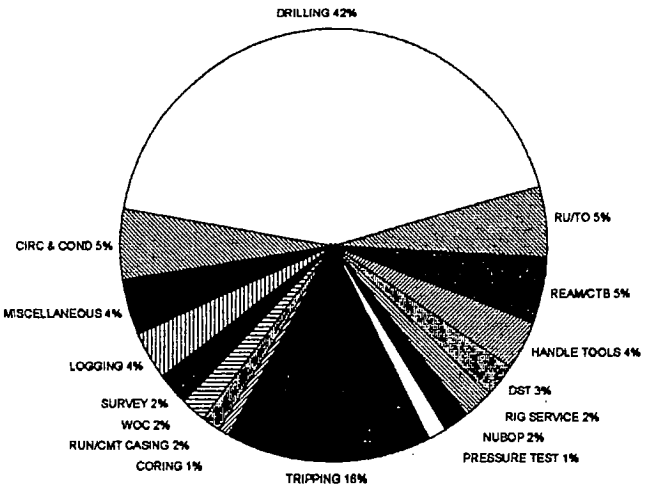
The leak-off test was taken to a gradient of 22.1 kPa /m and terminated. 80% of this value (18 kPa/m) was used for well control calculations.

C. SUMMARY OF DRILLING OPERATIONS ...continued

14. Time Distribution:

Catagory	Percent	hours
DRILLING	42.35%	746.25
TRIPPING	15.48%	272.75
RU/TO	5.33%	94.00
CIRC & COND	5.32%	93.75
REAM/CTB	4.85%	85.50
MISCELLANEOUS	3.97%	70.00
HANDLE TOOLS	3.63%	64.00
LOGGING	3.58%	63.00
DST	2.60%	45.75
SURVEY	2.44%	43.00
RIG SERVICE	2.17%	38.25
WOC	1.93%	34.00
NUBOP	1.92%	33.75
RUN/CMT CASING	1.60%	28.25
PRESSURE TEST	1.32%	23.25
CORING	0.74%	13.00
RIG REPAIR	0.31%	5.50
SLIP & CUT	0.26%	4.50
PLUG BACK	0.20%	3.50
TOTAL	100.00%	1762.00

EOG ET AL DEVO CREEK P-45
RIG TIME BREAKDOWN



Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
30.00	29.99	1.880					
50.00	49.98	1.880					
57.00	56.98	1.500					
67.00	66.98	1.500					
77.00	76.97	1.250					
85.00	84.97	1.250					
103.00	102.97	0.880					
135.00	134.97	1.000					
159.00	158.96	1.125					
187.00	186.95	1.875					
214.00	213.94	1.880					
252.00	251.92	1.500					
279.00	278.91	1.750					
306.00	305.90	1.750					
314.00	313.89	1.750					
343.00	342.88	2.125					
370.00	369.86	1.750					
377.00	376.86	1.500					
405.00	404.85	1.500					
408.00	407.85	2.000					
432.00	431.83	1.750					
434.00	433.83	1.500					
460.00	459.83	0.750					
462.00	461.83	1.125					
478.00	477.83	1.000					
489.00	488.82	0.750					
510.00	509.82	2.000					
540.00	539.77	4.500	35.40	12.00	8.53	12.00	0.00
541.00	540.45	4.000					
547.12	546.87	4.900	34.70	12.48	8.86	12.48	1.70
556.28	555.99	5.600	32.40	13.18	9.33	13.18	2.39
560.00	559.37	6.000					
565.47	565.13	6.100	31.50	13.97	9.82	13.97	1.66
574.66	574.26	6.500	28.50	14.85	10.33	14.85	1.69
584.05	583.59	7.100	15.50	15.87	10.73	15.87	5.26
593.59	593.05	7.300	9.20	17.04	10.99	17.04	2.56

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
603.00	602.39	7.300	0.90	18.23	11.09	18.23	3.36
612.56	611.87	7.100	356.10	19.42	11.06	19.42	1.99
622.07	621.32	6.100	354.30	20.51	10.97	20.51	3.22
631.62	630.82	5.200	355.80	21.45	10.89	21.45	2.86
641.15	640.32	3.900	359.10	22.20	10.85	22.20	4.17
650.69	649.85	2.600	15.70	22.74	10.91	22.74	5.01
660.12	659.27	1.900	43.10	23.06	11.07	23.06	4.02
669.56	668.71	1.600	67.00	23.22	11.30	23.22	2.48
678.99	678.13	1.400	90.80	23.27	11.54	23.27	2.06
688.59	687.73	1.400	128.10	23.20	11.75	23.20	2.80
698.01	697.15	1.700	175.40	22.99	11.85	22.99	4.06
707.53	706.66	3.200	207.30	22.61	11.74	22.61	6.22
717.04	716.15	4.000	220.70	22.12	11.40	22.12	3.65
726.56	725.65	3.500	226.90	21.67	10.97	21.67	2.03
735.98	735.06	2.600	226.40	21.33	10.61	21.33	2.87
745.40	744.47	2.500	227.50	21.04	10.30	21.04	0.35
754.93	753.99	2.800	218.90	20.72	10.00	20.72	1.57
764.13	763.17	3.800	221.50	20.32	9.66	20.32	3.30
773.57	772.59	4.600	218.90	19.79	9.21	19.79	2.61
783.10	782.08	5.200	220.50	19.16	8.69	19.16	1.94
792.62	791.56	5.600	221.40	18.49	8.10	18.49	1.29
802.15	801.04	5.400	220.80	17.80	7.50	17.80	0.66
811.66	810.52	4.500	213.20	17.15	7.01	17.15	3.51
821.19	820.02	4.300	201.30	16.50	6.67	16.50	2.94
830.73	829.53	4.400	198.80	15.82	6.43	15.82	0.67
840.12	838.90	4.400	195.20	15.13	6.21	15.13	0.88
849.52	848.27	4.400	195.30	14.44	6.03	14.44	0.02
859.07	857.79	4.500	195.60	13.72	5.83	13.72	0.32
868.74	867.43	4.300	193.70	13.01	5.64	13.01	0.77
878.46	877.13	3.700	199.10	12.36	5.45	12.36	2.18
887.88	886.53	3.600	203.30	11.80	5.23	11.80	0.91
897.41	896.04	3.300	208.10	11.28	4.99	11.28	1.31
906.84	905.45	3.400	208.80	10.80	4.72	10.80	0.34
916.37	914.97	3.300	204.90	10.30	4.47	10.30	0.78
925.81	924.39	3.600	198.10	9.77	4.27	9.77	1.61
935.25	933.81	3.800	191.60	9.18	4.11	9.18	1.48

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
944.67	943.21	3.900	194.20	8.57	3.97	8.57	0.64
954.21	952.73	4.100	194.80	7.92	3.80	7.92	0.64
963.66	962.15	4.100	198.60	7.28	3.61	7.28	0.86
973.08	971.55	4.000	199.50	6.65	3.39	6.65	0.38
982.60	981.05	3.800	203.90	6.05	3.15	6.05	1.13
992.01	990.44	3.100	219.10	5.56	2.87	5.56	3.65
1,001.71	1,000.13	2.600	236.90	5.24	2.52	5.24	3.13
1,011.11	1,009.52	2.700	244.90	5.03	2.14	5.03	1.22
1,020.80	1,019.20	2.900	242.20	4.82	1.71	4.82	0.74
1,030.33	1,028.72	2.800	235.60	4.57	1.31	4.57	1.08
1,039.84	1,038.21	2.700	230.10	4.30	0.95	4.30	0.89
1,049.35	1,047.71	2.600	220.70	3.99	0.63	3.99	1.41
1,058.91	1,057.27	2.400	217.00	3.67	0.37	3.67	0.81
1,068.35	1,066.70	1.800	209.20	3.38	0.18	3.38	2.11
1,077.87	1,076.22	0.600	167.80	3.20	0.12	3.20	4.43
1,087.41	1,085.76	1.600	59.00	3.22	0.24	3.22	5.92
1,096.84	1,095.18	3.100	52.20	3.44	0.56	3.44	4.85
1,106.36	1,104.68	3.600	52.50	3.78	1.00	3.78	1.58
1,115.89	1,114.19	3.200	62.40	4.09	1.47	4.09	2.23
1,125.30	1,123.59	2.500	81.80	4.24	1.91	4.24	3.77
1,134.81	1,133.10	2.000	111.40	4.21	2.27	4.21	3.93
1,144.22	1,142.50	2.500	143.00	3.99	2.54	3.99	4.20
1,153.74	1,152.01	2.900	160.80	3.59	2.75	3.59	2.91
1,163.15	1,161.41	3.200	171.90	3.11	2.86	3.11	2.11
1,172.68	1,170.92	3.800	177.00	2.53	2.92	2.53	2.13
1,182.20	1,180.42	4.000	182.40	1.88	2.92	1.88	1.32
1,191.69	1,189.88	4.100	182.00	1.21	2.89	1.21	0.33
1,201.10	1,199.27	3.700	190.80	0.58	2.82	0.58	2.29
1,210.57	1,208.72	3.500	194.00	0.00	2.70	0.00	0.90
1,220.11	1,218.24	3.400	196.10	-0.56	2.55	-0.56	0.51
1,229.64	1,227.76	3.000	197.80	-1.07	2.39	-1.07	1.29
1,239.18	1,237.29	2.000	197.10	-1.46	2.27	-1.46	3.15
1,248.72	1,246.83	1.400	193.30	-1.74	2.19	-1.74	1.92
1,258.25	1,256.35	1.200	210.10	-1.93	2.12	-1.93	1.35
1,267.78	1,265.88	1.000	246.20	-2.05	1.99	-2.05	2.23
1,277.35	1,275.45	1.200	262.70	-2.10	1.81	-2.10	1.17

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
1,286.87	1,284.97	1.600	274.30	-2.10	1.58	-2.10	1.54
1,293.00	1,291.09	1.800	282.90	-2.08	1.40	-2.08	1.58
1,305.21	1,303.30	2.100	290.00	-1.96	1.01	-1.96	0.95
1,317.32	1,315.40	2.300	295.90	-1.77	0.58	-1.77	0.75
1,324.47	1,322.54	2.300	294.80	-1.65	0.32	-1.65	0.19
1,334.18	1,332.24	2.400	297.90	-1.47	-0.04	-1.47	0.50
1,343.81	1,341.87	2.300	294.40	-1.30	-0.39	-1.30	0.54
1,353.33	1,351.38	1.900	288.00	-1.17	-0.72	-1.17	1.46
1,362.85	1,360.90	1.400	283.20	-1.10	-0.98	-1.10	1.63
1,372.36	1,370.40	1.300	289.40	-1.04	-1.19	-1.04	0.56
1,381.79	1,379.83	1.000	292.70	-0.97	-1.37	-0.97	0.98
1,391.17	1,389.21	1.100	288.60	-0.91	-1.53	-0.91	0.40
1,400.66	1,398.70	1.200	290.90	-0.84	-1.71	-0.84	0.35
1,410.09	1,408.13	1.200	291.10	-0.77	-1.89	-0.77	0.01
1,419.36	1,417.39	1.200	271.80	-0.73	-2.08	-0.73	1.30
1,428.95	1,426.98	1.200	274.10	-0.72	-2.28	-0.72	0.15
1,438.47	1,436.50	1.000	260.00	-0.73	-2.46	-0.73	1.06
1,448.19	1,446.22	0.800	270.80	-0.75	-2.62	-0.75	0.81
1,457.68	1,455.71	0.700	255.30	-0.76	-2.74	-0.76	0.71
1,467.21	1,465.24	0.300	265.90	-0.78	-2.82	-0.78	1.29
1,476.75	1,474.78	0.200	75.30	-0.77	-2.83	-0.77	1.57
1,486.18	1,484.21	0.500	64.60	-0.75	-2.77	-0.75	0.97
1,495.69	1,493.72	0.700	44.80	-0.69	-2.70	-0.69	0.90
1,505.13	1,503.16	0.500	6.80	-0.61	-2.65	-0.61	1.38
1,514.65	1,512.68	0.700	3.90	-0.51	-2.64	-0.51	0.64
1,524.08	1,522.11	0.400	355.30	-0.42	-2.64	-0.42	0.99
1,533.50	1,531.53	0.100	274.40	-0.39	-2.65	-0.39	1.26
1,542.92	1,540.95	0.400	154.50	-0.42	-2.65	-0.42	1.46
1,552.35	1,550.38	0.500	159.00	-0.48	-2.62	-0.48	0.34
1,561.48	1,559.50	0.800	132.20	-0.56	-2.56	-0.56	1.38
1,571.02	1,569.04	1.000	123.00	-0.65	-2.44	-0.65	0.77
1,580.45	1,578.47	0.600	128.00	-0.73	-2.33	-0.73	1.29
1,589.87	1,587.89	0.900	103.50	-0.78	-2.22	-0.78	1.38
1,599.30	1,597.32	0.600	106.70	-0.81	-2.10	-0.81	0.96
1,608.73	1,606.75	0.400	118.00	-0.84	-2.02	-0.84	0.71
1,618.26	1,616.28	0.500	105.00	-0.87	-1.95	-0.87	0.45

Directional Survey Points

Storage Units: Metric

Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
1,627.70	1,625.72	0.300	73.30	-0.87	-1.89	-0.87	0.93
1,637.21	1,635.23	0.200	90.40	-0.86	-1.85	-0.86	0.39
1,646.72	1,644.74	0.200	115.20	-0.87	-1.82	-0.87	0.27
1,656.26	1,654.28	0.300	125.30	-0.89	-1.78	-0.89	0.34
1,665.69	1,663.71	0.300	114.40	-0.91	-1.74	-0.91	0.18
1,675.23	1,673.25	0.300	121.00	-0.94	-1.69	-0.94	0.11
1,684.77	1,682.79	0.400	165.60	-0.98	-1.66	-0.98	0.88
1,694.33	1,692.35	0.300	169.50	-1.04	-1.65	-1.04	0.32
1,703.85	1,701.87	0.500	158.80	-1.10	-1.63	-1.10	0.67
1,713.39	1,711.41	0.400	168.50	-1.17	-1.61	-1.17	0.39
1,722.92	1,720.94	0.500	166.50	-1.25	-1.59	-1.25	0.32
1,732.47	1,730.49	0.400	182.80	-1.32	-1.59	-1.32	0.51
1,741.98	1,740.00	0.500	176.00	-1.40	-1.58	-1.40	0.36
1,751.40	1,749.42	0.200	216.60	-1.45	-1.59	-1.45	1.18
1,760.91	1,758.93	0.300	233.70	-1.48	-1.62	-1.48	0.39
1,770.45	1,768.47	0.300	236.40	-1.51	-1.66	-1.51	0.04
1,780.19	1,778.21	0.300	259.90	-1.53	-1.71	-1.53	0.38
1,789.93	1,787.95	0.200	257.50	-1.53	-1.75	-1.53	0.31
1,799.65	1,797.67	0.200	238.90	-1.55	-1.78	-1.55	0.20
1,809.40	1,807.42	0.400	260.10	-1.56	-1.83	-1.56	0.69
1,819.14	1,817.16	0.400	317.60	-1.54	-1.89	-1.54	1.19
1,828.87	1,826.89	0.300	319.60	-1.50	-1.93	-1.50	0.31
1,838.60	1,836.62	0.600	11.80	-1.43	-1.93	-1.43	1.48
1,857.00	1,855.02	0.600	11.80	-1.24	-1.89	-1.24	0.00
1,864.00		1.000					
1,893.00		2.000					
1,913.00		2.500					
1,933.00		2.500					
1,963.00		2.000					
1,978.00		2.500					
2,016.00		2.000					
2,046.00		2.500					
2,074.00		2.500					
2,104.00		1.500					
2,133.00	MISRUN						
2,162.00		2.500					

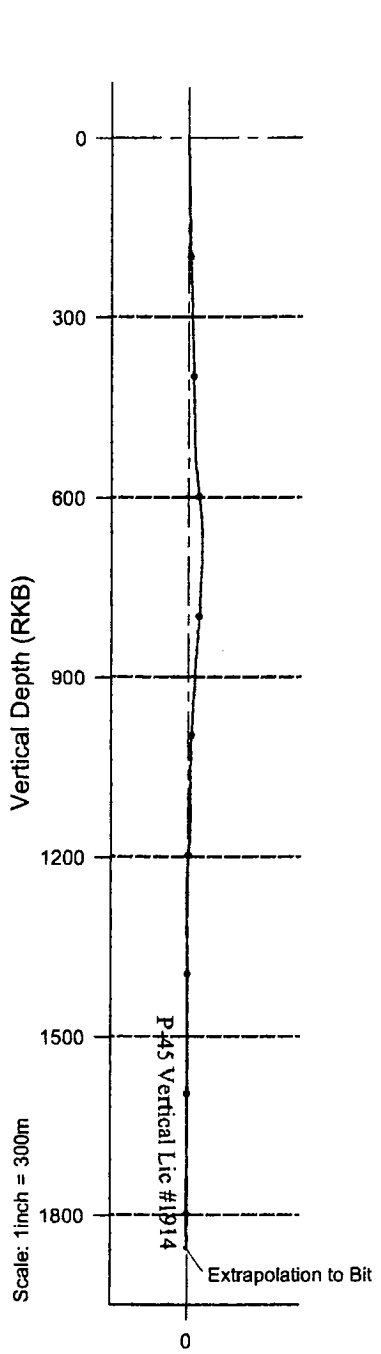
Directional Survey Points

Storage Units: Metric

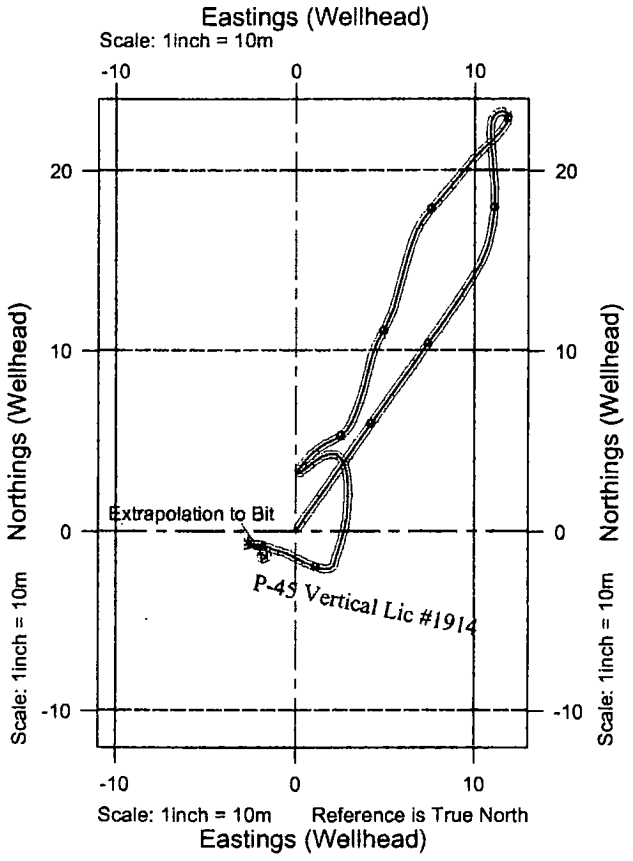
Survey Type: electronic / MWD

Measured Depth	T.V.D.	Drift Angle (°)	Azimuth (°)	+N / -S Distance	+E / -W Distance	Vertical Section	DogLeg Severity
2,191.00	MISRUN						
2,201.00		1.500					
2,231.00		0.500					
2,259.00		2.500					
2,284.00		2.000					
2,319.00		3.500					
2,332.00		9.000					
2,337.00		2.000					
2,415.00		7.500					
2,424.00	2,420.87	6.000	0.57	31.32	-0.99	31.32	0.29
2,458.00	2,454.72	4.750	1.57	34.51	-0.93	34.51	1.11
2,588.00	2,584.26	5.250	39.57	44.48	3.00	44.48	0.76

Devo Creek
P-45
EOG et al Devo Creek P-45



Scale: 1inch = 300m Section Azimuth: 0.000° (True North)
Vertical Section (Wellhead)





Abandonment Plug Summary

Storage Units: Metric

Plug #: 1
From: 2,600.0 **To:** 2,540.0
Amount of Cement Used: 1.8 **Volume:**
Density:
Cement Blend: Class G + 18% salt + 0.3% D-65 + 0.1% D-13
Date / Time Plug Down: Mar 11, 2002 @ 05:00

Plug Felt or Logged By:
Representative:
Date / Time Plug Felt or Logged:
Depth Plug Felt:

Remarks: No feel required. 20% excess cement run.

Plug #: 2
From: 2,355.0 **To:** 2,255.0
Amount of Cement Used: 5.5 **Volume:**
Density:
Cement Blend: Class G + 18% salt + 0.3% D-65 + 0.1% D-13
Date / Time Plug Down: Mar 11, 2002 @ 17:15

Plug Felt or Logged By: Drilling Rig
Representative:
Date / Time Plug Felt or Logged: Mar 12, 2002 @ 11:00
Depth Plug Felt: 2,260.0

Remarks: Plug felt with drill pipe. 40% excess cement run.

Plug #: 3
From: 1,882.0 **To:** 1,822.0
Amount of Cement Used: 3.3 **Volume:** 2.5
Density: 1,900
Cement Blend: Class G + 0.5% D-65
Date / Time Plug Down: Mar 12, 2002 @ 14:15

Plug Felt or Logged By: Drilling Rig
Representative:
Date / Time Plug Felt or Logged: Mar 12, 2002 @ 23:00
Depth Plug Felt: 1,831.0

Remarks: Plug felt with drill pipe. 40% excess cement run

Abandonment Plug Summary

Storage Units: Metric

Plug #: 4
From: 747.0 **To:** 687.0
Amount of Cement Used: 2.2 **Volume:**
Density:
Cement Blend: Class G neat
Date / Time Plug Down: Mar 14, 2002 @ 08:23

Plug Felt or Logged By: Drilling Rig
Representative:
Date / Time Plug Felt or Logged: Mar 14, 2002 @ 00:00
Depth Plug Felt: 688.0

Remarks: Plug felt with drill pipe.

Plug #: 5
From: 22.0 **To:** 0.0
Amount of Cement Used: 1.0 **Volume:**
Density:
Cement Blend: Class G neat
Date / Time Plug Down: Mar 14, 2002 @ 22:01

Plug Felt or Logged By:
Representative:
Date / Time Plug Felt or Logged:
Depth Plug Felt:

Remarks: No feel required.

EOG et al DEVO CREEK P-45 was spudded on January 5, 2002 by Akita Rig #51 to test the natural gas potential of the Mount Clark sandstone at a prognosed depth of 2484 m. Secondary targets included oil potential in the Hume and Arnica formations. The Hume and Arnica were to be encountered twice; once on surface hole on the hanging wall of the Hoosier thrust and again on the foot wall of the thrust in the intermediate hole.

The evaluation of the well was done with the collection of 5 meter samples from surface to FTD and 2.5 m samples over zones of interest. Also Continental Labs operated a total gas detector and chromatograph from surface to FTD. Their log is separate from this report and should be referred to for detailed hydrocarbon shows and composition.

A 445 mm conductor hole was drilled to a depth of 99.5 m. Deviation on this well was a concern from the beginning and a section of this hole had to be drilled using a pilot hole to keep deviation in check. A 339.7 mm conductor string was run and cemented to a depth of 99.5 m.

The conductor was drilled out using a 311 mm bit to a depth of 327 m. Good mudgas response was recorded over the Bluefish shales confirming its source potential. Core #1 was cut in the Hume formation from 327 - 345 m with 100% recovery. A small amount of live oil was noted bleeding from some of the open micro fractures in the core as well as some of the cuttings in the remainder of the Hume and Arnica formations. Once again, a pilot hole was used in an attempt to keep the potential deviation in check. The 222 mm pilot hole was drilled from 355 - 510 m, then opened to 311 mm. Surface casing depth was reached on January 15, 2002 at a depth of 517.5 m. Schlumberger logged the hole at this point and four open hole DSTs were conducted. DST #1 & #2 tested the Arnica and DST #3 & #4 tested the Hume. Each test had to be repeated with a longer flow period in order to obtain a good reservoir fluid sample. Formation water was recovered on DST #2 (Arnica) & DST #4 (Hume). The logs indicated the Hume to be overthickened by a thrust fault at 387 m. Approximately 50 m of the Hume is repeated in a highly deformed wedge from 387 - 430 m. A 244.5 mm surface casing string was run and cemented to a depth of 517.32 m.

The surface casing was drilled out using a 222 mm bit and at a depth of 564 m the deviation was already at 6 degrees. Sperry Sun was used to directionally drill the well back to vertical. An oil show was noted in the cuttings of the Bear Rock at 646 m although no mudgas response was recorded. Following some of the subsequent trips oil was noted on the shaker (still with no mudgas response) and was assumed to be coming from this zone at 646 m. Progress on the intermediate hole was slow but the wellbore was in good condition throughout. Intermediate casing point was picked two meters into the Saline River Salt at a depth of 1857 m. Schlumberger logged the intermediate hole segment and multiple MDT points were taken for pressure profiling. One formation water sample was obtained in the Ronning formation at a depth of 727.5 m. The logs indicated that the Hoosier fault was intersected at 746 m. Rather than a single fault repeating the upper Devonian - Silurian as prognosed, several imbricates were encountered that repeat the Bear Rock and Ronning formations. The FMI log indicates that the faulted Bear Rock anhydrites and thin dolomites are folded and steeply dipping to vertical. The Bear Rock in the footwall was encountered at 938 m. Minor faulting is evident in the Ronning. There were only occasional oil shows and mudgas responses from the dolomites of the Bear Rock. A 177.8 mm intermediate casing string was run and cemented to a depth of 1854.08 m.

A 156 mm bit was used to drill out the intermediate casing and the well was drilled to a final total depth of 2600 m in the PreCambrian. The Mount Clark consisted of tight sands and dolomites in samples and was not cored. The well was logged for a third and final time by Schlumberger. There was a mudgas anomaly just below the salt section therefore DST #5 was run over the Mount Cap from 2298.5 - 2326 m. The test indicated a very tight interval.

The well was abandoned and the rig was released on March 15, 2002 at 12:00 hrs.

Formation Top Summary

Storage Units: Metric

Kelly Bushing Elevation: 160.30 **Casing Flange Elevation:** 154.10
Ground Elevation: 154.10

*** All Depths measured from Kelly Bushing Elevation ****

Group *Formation* Member	Prognosis (TVD)	Sample Top (MD)	Sample Top (TVD)	Log Top (MD)	Log Top (TVD)	Subsea	Thickness
Canol	63.30	86.00	86.00	105.00	105.00	55.30	
Kee Scarp		138.00	138.00	138.00	138.00	22.30	
Hare Indian	118.30	160.00	160.00	159.50	159.50	0.80	
Bluefish	263.30	290.00	290.00	290.00	290.00	-129.70	
Hume	288.30	312.00	312.00	312.50	312.50	-152.20	
Fault				385.00	385.00	-224.70	
Fault				415.00	415.00	-254.70	
Arnica	393.30	468.00	468.00	463.00	463.00	-302.70	
Bear Rock	416.30	487.00	487.00	485.00	485.00	-324.70	
Ronning	618.30	703.00	702.13	703.00	702.13	-541.83	
Fault				746.00	745.07	-584.77	
Bear Rock				746.00	745.07	-584.77	
Ronning				824.00	822.82	-662.52	

Formation Top Summary

Storage Units: Metric

Kelly Bushing Elevation:	160.30	**Casing Flange Elevation:**	154.10
Ground Elevation:	154.10		

***** All Depths measured from Kelly Bushing Elevation *****

Group *Formation* Member	Prognosis (TVD)	Sample Top (MD)	Sample Top (TVD)	Log Top (MD)	Log Top (TVD)	Subsea	Thickness
Fault	831.30			938.00	936.55	-776.25	
Hare Indian	831.30					-671.00	
Blue Fish	838.30					-678.00	
Hume	863.30					-703.00	
Arnica	968.30					-808.00	
Bear Rock	991.30	954.00	954.00	938.00	936.55	-776.25	
Fault				1,010.00	1,008.41	-848.11	
Fault				1,118.00	1,116.30	-956.00	
Ronning	1,193.30	1,164.00	1,162.26	1,164.00	1,162.26	-1,001.96	
Fault				1,303.00	1,301.09	-1,140.79	
U. Saline River Shale	1,816.30	1,827.00	1,827.00	1,785.00	1,783.02	-1,622.72	
Saline River Salt	1,886.30	1,855.00	1,855.00	1,856.50	1,854.52	-1,694.22	
L. Saline River Shale				2,244.00	2,242.01	-2,081.71	

Formation Top Summary

Storage Units: Metric

Kelly Bushing Elevation: 160.30 **Casing Flange Elevation:** 154.10
Ground Elevation: 154.10

***** All Depths measured from Kelly Bushing Elevation *****

Group *Formation* Member	Prognosis (TVD)	Sample Top (MD)	Sample Top (TVD)	Log Top (MD)	Log Top (TVD)	Subsea	Thickness
Mount Cap	2,256.30	2,305.00	2,303.00	2,324.00	2,322.00	-2,161.70	
Mount Clark	2,469.30			2,472.00	2,468.67	-2,308.37	
PreCambrian	2,484.30			2,482.50	2,479.13	-2,318.83	
FTD	2,514.30	2,600.00	2,596.22	2,601.50	2,597.71	-2,437.41	

0.00 to 20.00 (20.00)	75%	**Cement**
	25%	**Shale** light gray, sub fissile to sub blocky, soft to moderately hard, trace finely disseminated pyrite, occasional carbonaceous flecks, occasionally micro micaceous, very minor sandstone in part, light gray to light brown, quartzose, very fine grain, tight, no shows
20.00 to 30.00 (10.00)	75%	**Shale** light to medium gray, sub blocky to blocky, moderately hard, trace finely disseminated pyrite, trace carbonaceous flecks, rare inoceramus, trace organic debris, occasional clear quartz grains
	25%	**Cement**
30.00 to 35.00 (5.00)	100%	**Shale** medium gray, sub fissile to sub blocky, moderately hard, trace finely disseminated pyrite, occasional very thin limestone stringers
35.00 to 40.00 (5.00)	95%	**Shale** predominately light gray, occasionally medium gray, fissile to sub fissile, moderately hard, trace finely disseminated pyrite, trace carbonaceous flecks, micro micaceous in part
	5%	**Siltstone** light gray, quartz, lithics, silt to occasional very fine grain, well sorted, sub round, moderately hard to hard, silica and argillaceous cement, tight, no shows, very argillaceous, trace mica flakes
40.00 to 50.00 (10.00)	100%	**Shale** light to occasionally medium gray, fissile to sub fissile, moderately hard, micro micaceous, trace finely disseminated pyrite, thin light to medium brown, dolomitic shale stringers
50.00 to 65.00 (15.00)	100%	**Shale** light to occasional medium gray, fissile to sub fissile, moderately hard, micro micaceous, trace carbonaceous flecks, trace finely disseminated pyrite
65.00 to 70.00 (5.00)	100%	**Shale** light to medium gray to medium brown gray, fissile to sub fissile, moderately hard to occasionally hard, slightly micro micaceous in part, slightly silty in part, very slightly calcareous in part
70.00 to 75.00 (5.00)	100%	**Shale** light brown gray to medium gray, fissile to sub fissile, moderately hard to hard, trace to common finely disseminated pyrite, slightly silty in part
75.00 to 80.00 (5.00)	100%	**Shale** light gray brown to medium gray, sub fissile to sub blocky, moderately hard to hard, trace to occasional common finely disseminated pyrite, occasional thin silty stringers

80.00 to 85.00 (5.00)	99%	**Shale** as above
	1%	**Sandstone** light gray to light brown, quartzose, very fine to lower fine grain, well sorted, sub round, hard, silica cement, tight, common light brown oil stain, abundant bright orange fluorescence, no cut
85.00 to 90.00 (5.00)	100%	**Shale** dark gray to black to light gray brown, sub fissile to sub blocky, occasionally platey, moderately hard to hard, occasional finely disseminated pyrite
90.00 to 95.00 (5.00)	100%	**Shale** light to medium gray to brown gray, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, rare pyrite nodules
95.00 to 100.00 (5.00)	100%	**Shale** medium brown gray to dark to very dark gray, fissile to sub blocky, platey in part, moderately hard to hard, occasional pyrite, carbonaceous in part
100.00 to 105.00 (5.00)	100%	**Shale** light gray brown to medium gray to occasionally dark gray, sub fissile to sub blocky, moderately hard to hard, occasional finely disseminated pyrite, occasional pyrite nodules
105.00 to 110.00 (5.00)	100%	**Shale** medium brown gray to light gray brown, sub blocky to blocky, hard, trace finely disseminated pyrite
110.00 to 115.00 (5.00)	100%	**Shale** light gray brown to predominately medium to dark gray, sub fissile to sub blocky, moderately hard to hard, occasional pyrite nodules, occasional finely disseminated pyrite, carbonaceous in part
115.00 to 125.00 (10.00)	100%	**Shale** very dark gray to black to occasionally light gray brown, sub blocky to blocky, hard, trace finely disseminated pyrite, occasional pyrite nodules, very slightly silty in part
125.00 to 130.00 (5.00)	80%	**Shale** as above
	20%	**Limestone** white to occasionally clear to light brown, mottled, micro crystalline, moderately hard, calcite cement, tight, no shows, trace pyrite, argillaceous to very argillaceous, grades to limy shale
130.00 to 135.00 (5.00)	100%	**Shale** light gray brown to medium to dark gray, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, calcareous to very calcareous, trace carbonaceous flecks, trace finely disseminated pyrite
135.00 to 140.00 (5.00)	80%	**Shale** as above

135.00 to 140.00 (5.00)	20%	**Limestone** white to light to medium brown, mottled in part, crypto to micro crystalline, hard, calcite cement, tight, no fluorescence, instant bright yellow green halo cut, argillaceous in part, trace pyrite, occasional sparry calcite
140.00 to 145.00 (5.00)	75%	**Limestone** white to cream to predominately tan to light brown, mottled in part, crypto to micro crystalline, hard, calcite cement, tight, no fluorescence, instant bright yellow green halo cut, cherty in part (trace to common massive chert fragments), rare clear calcite, argillaceous
	25%	**Shale** as above
145.00 to 150.00 (5.00)	80%	**Shale** medium to dark gray to light brown, sub fissile to sub blocky, moderately hard to hard, calcareous, trace finely disseminated pyrite
	20%	**Limestone** as above
150.00 to 155.00 (5.00)	90%	**Limestone** off white to predominately very light to light brown, occasionally medium brown, mottled in part, crypto to micro crystalline, occasionally very fine crystalline, hard, calcite cement, tight, no fluorescence, slow bright yellow green halo cut, trace clear sparry calcite, occasional pyrite, argillaceous
	10%	**Shale** as above
155.00 to 160.00 (5.00)	95%	**Limestone** cream to tan, occasionally white and medium brown, mottled in part, predominately micro to occasionally very fine crystalline, hard, calcite cement, tight to occasional very poor intercrystalline porosity, no fluorescence, very slow faint pale green halo cut, argillaceous in part, occasionally cherty, trace fossil fragments, very minor pyrite
	5%	**Shale** as above
160.00 to 175.00 (15.00)	85%	**Shale** very light to light gray, sub fissile to sub blocky, soft to moderately hard, calcareous to very calcareous, trace pyrite, occasional pyrite nodules, occasional carbonaceous flecks, rare fossils
	15%	**Limestone** as above
175.00 to 190.00 (15.00)	100%	**Shale** very light to predominately light gray, sub fissile to sub blocky, soft to moderately hard, occasionally hard, trace finely disseminated pyrite, calcareous to very calcareous, trace carbonaceous flecks

190.00 to 200.00 (10.00)	100% **Shale** very light gray, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, very slightly calcareous in part, micro micaceous to very micro micaceous, minor limestone
200.00 to 215.00 (15.00)	100% **Shale** very light to light gray, fissile to sub fissile, soft to predominately moderately hard, micro micaceous to very micro micaceous, occasional pyrite, occasional carbonaceous flecks
215.00 to 235.00 (20.00)	100% **Shale** very light to light gray, fissile to sub fissile, soft to moderately hard, micro micaceous, waxy in part, occasional pyrite
235.00 to 255.00 (20.00)	100% **Shale** very light to predominately light gray, occasional medium gray, fissile to sub blocky, moderately hard to occasionally hard, micro micaceous, occasional pyrite, occasional pyrite nodules, rare fossils with depth, very slightly calcareous in part, waxy in part
255.00 to 275.00 (20.00)	100% **Shale** very light to light gray, occasionally medium gray and brown gray, sub fissile to sub blocky, moderately hard to hard, waxy in part, micro micaceous, occasional pyrite
275.00 to 285.00 (10.00)	100% **Shale** predominately very light to light gray, fissile to sub fissile, moderately hard to hard, micro micaceous to very micro micaceous, waxy, rare calcite filled fractures, slightly calcareous in part
285.00 to 290.00 (5.00)	100% **Shale** 90% as above with 10% dark gray to dark brown gray, sub fissile to sub blocky, moderately hard, carbonaceous to very carbonaceous, slightly calcareous
290.00 to 295.00 (5.00)	100% **Shale** light gray brown to medium to dark gray to occasionally black, sub blocky to blocky, moderately hard, carbonaceous to very carbonaceous in part, calcareous in part, also 30% shale, very light gray, as above
295.00 to 300.00 (5.00)	100% **Shale** medium gray to occasionally black and medium gray brown, sub fissile to sub blocky, moderately hard to hard, carbonaceous in part, also shale from Hare Indian
300.00 to 305.00 (5.00)	100% **Shale** medium brown gray to medium gray to occasionally dark gray to black, fissile to sub fissile, moderately hard to hard, trace finely disseminated pyrite, carbonaceous in part, strong petroliferous odor
305.00 to 310.00 (5.00)	100% **Shale** medium to dark gray to black, sub fissile to sub blocky, moderately hard to hard, carbonaceous to very carbonaceous in part, occasional pyrite, occasional limy laminations, calcareous in part

310.00 to 315.00 (5.00)	85%	**Shale** as above
	15%	**Limestone** off white to light to medium brown, mottled in part, predominately micro crystalline, hard, calcite cement, tight, no shows, occasional slickenside, occasional hairline calcite filled fractures, slightly argillaceous to argillaceous in part
315.00 to 320.00 (5.00)	50%	**Limestone** cream to tan to light brown, occasionally medium brown gray, mottled in part, crypto to micro crystalline, hard to occasionally very hard, calcite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, trace fossils (ostracods et al), trace pyrite, slightly argillaceous to argillaceous
	50%	**Shale** varying shales from above
320.00 to 325.00 (5.00)	80%	**Limestone** white to off white to tan, slightly mottled in part, occasionally micro sucrosic, crypto to micro crystalline, hard to very hard, tight to poor intercrystalline porosity, occasional very poor pin point porosity, questionable very light brown oil stain, scattered orange yellow fluorescence, instant bright yellow ribbon cut (leaves a light brown oil residue), occasional clear calcite, occasional fossils, occasional pyrite
	20%	**Shale** as above
325.00 to 327.00 (2.00)	85%	**Limestone** white to tan to light to medium brown, mottled in part, crypto to predominately micro crystalline, occasionally very fine crystalline, hard, calcite cement, predominately tight to occasional very poor pin point porosity, occasional very poor intercrystalline porosity, trace bitumen stain, occasional questionable very light brown oil stain, no fluorescence or cut, trace clear calcite, trace pyrite
	15%	**Shale** as above
327.00 to 345.00 (18.00)	100%	**Cored Interval** See detailed core description #1
345.00 to 350.00 (5.00)	75%	**Limestone** off white to light to medium brown, crypto to predominately micro crystalline, hard to very hard, calcite cement, tight to occasional very poor intercrystalline porosity, very spotty bright yellow fluorescence, instant bright yellow ribbon cut, trace clear calcite, trace fossil fragments, occasional bitumen
	25%	**Shale** predominately Hare Indian cavings

350.00 to 355.00 (5.00)	70%	**Limestone** cream to very light to medium brown, occasionally dark brown, mottled, crypto to predominately micro crystalline, hard to very hard, calcite cement, tight, rare spotty bright yellow fluorescence, instant bright yellow to predominately faint green ribbon cut, trace to common fossil fragments, argillaceous in part
	30%	**Shale** Hare Indian cavings as above
355.00 to 360.00 (5.00)	100%	**Limestone** cream to tan to predominately medium to dark brown, mottled in part, micro crystalline, hard to very hard, tight, no shows, trace fossil fragments, argillaceous to very argillaceous in part, grades to very limy shale, occasional bitumen filled stylolites
360.00 to 365.00 (5.00)	100%	**Limestone** off white to white to tan to medium to dark brown, crypto to predominately micro crystalline, hard to very hard, calcite cement, tight, no shows, occasional fossil fragments, argillaceous to very argillaceous in part, grading to limy shale in part, occasional clear calcite
365.00 to 370.00 (5.00)	70%	**Limestone** white to off white to light to dark brown, mottled in part, micro to rare very fine crystalline, hard to very hard, calcite cement, tight, no shows, slightly argillaceous to very argillaceous in part, occasionally grading to limy shale, trace fossil fragments, trace clear calcite, occasional pyrite
	30%	**Shale** very light to light gray, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite
370.00 to 375.00 (5.00)	75%	**Shale** very light to predominately light gray, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, slightly calcareous, occasional carbonaceous material
	25%	**Limestone** white to off white to light brown gray, crypto to predominately micro crystalline, hard, calcite cement, tight, no shows, trace pyrite, common fossil fragments, occasional clear calcite
375.00 to 380.00 (5.00)	60%	**Limestone** off white to light to medium brown, occasional dark brown, mottled, micro crystalline, hard to very hard, calcite cement, tight, no shows, argillaceous in part, trace fossil fragments, trace clear calcite, trace pyrite
	40%	**Shale** very light to predominately light gray to green gray, sub fissile to sub blocky, moderately hard to hard, trace to occasional common finely disseminated pyrite, slightly calcareous

380.00 to 385.00 (5.00)	70%	**Limestone** predominately white to off white to light brown, occasionally medium brown and light brown gray, mottled in part, crypto to predominately micro crystalline, hard to very hard, calcite cement, tight, no shows, trace fossil fragments, trace pyrite, occasional clear calcite, slightly argillaceous to argillaceous in part
	30%	**Shale** as above
385.00 to 390.00 (5.00)	75%	**Limestone** white to off white to light brown, mottled in part, micro crystalline, hard to very hard, calcite cement, tight, trace bright yellow fluorescence, no cut, slightly argillaceous in part, trace pyrite, occasional fossil fragments, common clear to white calcite
	25%	**Shale** light gray to light brown, sub blocky to blocky, moderately hard to hard, trace to common finely disseminated pyrite, occasional carbonaceous flecks, calcareous
390.00 to 395.00 (5.00)	85%	**Limestone** light brown gray to gray brown to occasionally off white and medium brown, mottled in part, crypto to micro crystalline, hard, calcite cement, tight, scattered bright yellow fluorescence, no cut, argillaceous to occasionally very argillaceous in part, trace clear to white calcite, trace pyrite
	15%	**Shale** as above
395.00 to 405.00 (10.00)	75%	**Limestone** off white to light gray to light to medium brown, mottled in part, micro crystalline, hard, calcite cement, tight, trace bright yellow fluorescence, no cut, argillaceous to very argillaceous in part, grading to limy shale, trace pyrite, trace fossil fragments, trace clear to white calcite
	25%	**Shale** light gray to occasionally light brown, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, calcareous, waxy in part
405.00 to 410.00 (5.00)	75%	**Shale** very light to predominately light gray, occasional medium gray and light brown, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, slightly calcareous in part, slightly waxy in part
	25%	**Limestone** off white to light gray brown to brown gray, crypto to micro crystalline, hard to very hard, calcite cement, tight, trace bright yellow fluorescence, no cut, trace finely disseminated pyrite, slightly argillaceous in part, trace clear calcite
410.00 to 415.00 (5.00)	50%	**Limestone** white to off white to light brown gray to light brown, crypto to micro crystalline, hard to very hard, calcite cement, tight, trace bright yellow fluorescence, no cut, trace finely disseminated pyrite, trace clear calcite, occasional fossil fragments

410.00 to 415.00 (5.00)	50%	**Shale** as above
415.00 to 420.00 (5.00)	65%	**Limestone** white to light gray to very light brown, occasionally mottled, crypto to micro crystalline, hard to very hard, calcite cement, tight, scattered bright yellow fluorescence, no cut, trace pyrite, trace fossil fragments, argillaceous in part
	35%	**Shale** light gray to occasionally light brown, sub fissile to sub blocky, moderately hard to hard, trace to common finely disseminated pyrite, slightly calcareous in part, silty to occasionally very silty in part
420.00 to 430.00 (10.00)	75%	**Limestone** white to light brown to light gray to light gray brown, occasionally mottled, crypto to micro crystalline, hard, calcite cement, tight, no shows, argillaceous to very argillaceous in part, trace pyrite, trace fossil fragments
	25%	**Shale** as above
430.00 to 435.00 (5.00)	75%	**Limestone** predominately off white to very light brown, occasionally medium to dark brown, mottled in part, micro crystalline, hard, calcite cement, tight, scattered bright yellow fluorescence, no cut, trace to common clear to white calcite, occasional fossil fragments, trace finely disseminated pyrite, slightly silty in part
	25%	**Shale** light gray, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, slightly calcareous in part
435.00 to 440.00 (5.00)	80%	**Limestone** off white to tan, occasionally light to medium brown, mottled in part, micro crystalline, hard to very hard, calcite cement, tight, no shows, silty to sandy in part, trace pyrite, occasional fossil fragments, slightly argillaceous in part
	20%	**Shale** as above
440.00 to 445.00 (5.00)	65%	**Limestone** off white to light brown, mottled, micro crystalline, hard, calcite cement, tight, no shows, argillaceous to very argillaceous, silty to sandy in part, trace finely disseminated pyrite, occasional clear calcite
	35%	**Shale** light gray to rare green, sub fissile to sub blocky, moderately hard to hard, calcareous in part, trace finely disseminated pyrite
445.00 to 455.00 (10.00)	75%	**Limestone** off white to light brown to occasionally light gray, mottled in part, micro crystalline, hard, calcite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, silty to very silty in part, occasional pyrite, occasional fossil fragments

445.00 to 455.00 (10.00)	25%	**Shale** light brown to light gray, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, calcareous to very calcareous in part
455.00 to 460.00 (5.00)	90%	**Limestone** off white to light to medium brown, occasionally dark brown, mottled in part, micro to occasional very fine crystalline, hard to very hard, calcite cement, tight, no shows, argillaceous to very argillaceous in part, silty in part, trace calcite filled fractures, trace pyrite, occasional fossil fragments
	10%	**Shale** light gray, sub fissile to sub blocky, moderately hard to hard, trace pyrite
460.00 to 465.00 (5.00)	95%	**Limestone** beige to light to medium brown, occasionally off white, mottled in part, crypto to micro crystalline, hard to very hard, calcite cement, tight, no shows, slightly argillaceous to argillaceous in part, slightly silty in part, trace clear calcite, occasional pyrite, trace fossil fragments
	5%	**Shale** light gray to light green to light to medium brown, sub fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, slightly calcareous to calcareous
465.00 to 470.00 (5.00)	75%	**Dolomite** beige to light to medium brown, micro to very fine crystalline, moderately hard to hard, *dolomite with minor calcite cement, tight to occasional poor intercrystalline* porosity, occasional poor vuggy and pin point porosity, scattered questionable oil stain, common dull orange fluorescence (after drying), instant green ribbon cut, *trace bitumen, occasional clear calcite and calcite filled fractures*
	25%	**Limestone** as above
470.00 to 475.00 (5.00)	90%	**Dolomite** light to occasionally medium brown, occasionally mottled with white, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor to fair intercrystalline porosity, poor pin point and vuggy porosity, minor bitumen stain, occasional questionable light brown oil stain, trace pale green fluorescence (after drying), instant bright green ribbon cut, occasional clear calcite, occasional pyrite
	10%	**Shale and Limestone** as above
475.00 to 480.00 (5.00)	100%	**Dolomite** light to medium brown, micro to very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, poor vuggy and pin point porosity, trace bitumen stain, trace questionable light brown oil stain, common pale green fluorescence (after drying), instant pale green ribbon cut, trace clear calcite

480.00 to 485.00 (5.00)

100% **Dolomite**
beige to light to medium brown, occasionally off white to light brown gray, mottled in part, micro to predominately very fine crystalline, hard, dolomite cement, tight to poor with occasional fair intercrystalline porosity, poor vuggy porosity, occasional poor intrafossil porosity, trace bitumen stain, trace pale green fluorescence (after drying), instant yellow green ribbon cut, occasional fossil fragments, occasional clear calcite

485.00 to 490.00 (5.00)

60% **Dolomite**
off white to very light to medium brown, mottled in part, micro to predominately very fine crystalline, hard, dolomite cement, poor to fair intercrystalline porosity, poor moldic porosity, trace to common bitumen stain, pale yellow green fluorescence (after drying), instant green ribbon cut

40% **Anhydrite**
white to clear to occasionally light brown, mottled in part, slightly micro sucrosic in part, micro crystalline, hard, anhydrite with minor dolomite cement in part, tight, no shows

490.00 to 495.00 (5.00)

80% **Dolomite**
tan to light to medium brown, mottled in part, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to poor intercrystalline porosity, trace bitumen stain, scattered to trace pale green fluorescence (after drying), instant green ribbon cut, trace white anhydrite patches

20% **Anhydrite**
white to cream to light brown, occasionally clear, mottled in part, sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows, occasional pyrite

495.00 to 500.00 (5.00)

70% **Dolomite**
cream to light to medium brown, mottled in part, predominately micro crystalline, dolomite and anhydrite cement, tight to occasional poor intercrystalline porosity, very minor bitumen stain, occasional bitumen filled stylolites, anhydritic in part

30% **Anhydrite**
clear to white to light gray to light brown, motttled in part, sucrosic in part, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part

500.00 to 505.00 (5.00)

60% **Dolomite**
cream to light brown, occasionally medium brown, mottled, micro crystalline, hard, dolomite cement, tight, no shows, slightly anhydritic in part, occasional bitumen filled stylolites

40% **Anhydrite**
clear to white to light gray to light brown, mottled in part, micro crystalline, moderately hard to hard, anhydrite cement, tight, very minor bitumen

505.00 to 510.00 (5.00)

60% **Dolomite**
tan to light brown, crypto to micro crystalline, hard to very hard, dolomite and anhydrite cement, tight, no shows, anhydritic in part

505.00 to 510.00 (5.00)	40%	**Anhydrite** white to very light gray to light brown, mottled, micro crystalline, sucrosic in part, anhydrite cement, tight, no shows, occasional pyrite
510.00 to 515.00 (5.00)	70%	**Dolomite** very light to light brown, occasionally mottled with white, micro to occasional very fine crystalline, dolomite cement, tight, no shows, very slightly anhydritic in part, occasional bitumen filled stylolites
	30%	**Anhydrite** clear to light brown to white, slightly mottled in part, sucrosic, micro crystalline, hard, anhydrite cement, tight, no shows
515.00 to 520.00 (5.00)	80%	**Dolomite** beige to tan to off white, micro crystalline, hard, dolomite cement, tight, no shows, trace clear anhydrite, slightly anhydritic in part, rare pyrite
	20%	**Anhydrite** white to occasionally clear, micro crystalline, anhydrite cement, tight, no shows
520.00 to 525.00 (5.00)	80%	**Dolomite** light to occasionally medium brown, mottled with white, micro to occasionally very fine crystalline, hard, dolomite cement, tight, no shows, trace pyrite, occasional anhydrite, occasional bitumen filled stylolites
	20%	**Anhydrite** white to clear to occasionally light gray, micro crystalline, hard, anhydrite cement, tight, no shows, trace pyrite
525.00 to 530.00 (5.00)	65%	**Dolomite** predominately light brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, occasional anhydrite blebs
	35%	**Anhydrite** white to clear to light gray, mottled in part, crypto to micro crystalline, sucrosic in part, anhydrite cement, tight, no shows, trace to occasional common pyrite
530.00 to 535.00 (5.00)	90%	**Dolomite** off white to light brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, occasional anhydrite filled fractures, occasional bitumen filled stylolites, very slightly argillaceous in part, occasional pyrite
	10%	**Anhydrite** clear to light gray, micro crystalline, hard, anhydrite cement, tight, no shows, trace pyrite
535.00 to 540.00 (5.00)	65%	**Anhydrite** white to light brown to light gray, mottled in part, sucrosic in part, crypto to predominately micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic to very dolomitic in part, occasional pyrite

535.00 to 540.00 (5.00)	35%	**Dolomite** light to occasionally medium brown, occasionally mottled, micro to occasionally very fine crystalline, hard, dolomite with minor anhydrite cement, tight, no shows, occasional pyrite, anhydritic in part
540.00 to 545.00 (5.00)	75%	**Dolomite** very light to light brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, no shows, trace pyrite, occasional anhydrite filled fractures
	25%	**Anhydrite** as above
545.00 to 550.00 (5.00)	70%	**Dolomite** tan to light to occasional medium brown, micro to occasionally very fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, occasional bitumen filled stylolites, occasional pyrite, occasional fossil fragments
	30%	**Anhydrite** white to light gray, mottled, micro sucrosic, micro crystalline, hard, anhydrite cement, tight, no shows, occasional pyrite
550.00 to 555.00 (5.00)	65%	**Dolomite** very light to light brown, mottled with white, crypto to micro crystalline, occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, no shows, trace anhydrite blebs, rare bitumen filled stylolites
	35%	**Anhydrite** light gray to predominately white, motttled, micro sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows, dolomitic in part
555.00 to 560.00 (5.00)	70%	**Dolomite** white to very light to light brown, mottled in part, crypto to micro crystalline, hard, dolomite cement, tight, no shows, slightly anhydritic in part
	30%	**Anhydrite** white to predominately light gray, micro crystalline, hard, anhydrite cement, tight, no shows, slightly dolomitic in part
560.00 to 570.00 (10.00)	65%	**Dolomite** very light to light brown, common white, mottled, micro crystalline, hard, dolomite cement, tight, no shows, occasional anhydrite blebs, rare finely disseminated pyrite
	35%	**Anhydrite** white to very light brown to light gray, mottled in part, crypto to micro crystalline, micro sucrosic in part, hard, anhydrite cement, tight, no shows
570.00 to 575.00 (5.00)	65%	**Dolomite** very light to light brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, no shows, occasional bitumen filled stylolites, occasional anhydrite blebs, occasional clear anhydrite (fracture fill)

570.00 to 575.00 (5.00)

35% **Anhydrite**
white to light gray to occasionally light brown, mottled in part, micro crystalline, micro sucrosic in part, anhydrite cement, tight, no shows, trace pyrite

575.00 to 580.00 (5.00)

80% **Anhydrite**
white to light gray to light brown, occasionally clear, mottled in part, micro crystalline, micro sucrosic in part, anhydrite cement, tight, no shows

20% **Dolomite**
tan to light brown, occasionally off white to white, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, no shows, occasional anhydrite blebs, anhydritic to very anhydritic, rare bitumen filled stylolites

580.00 to 590.00 (10.00)

80% **Anhydrite**
off white to light gray to light brown, occasionally clear, mottled in part, micro crystalline, rare micro sucrosic texture in part, hard, anhydrite with occasional dolomite cement, tight, no shows, slightly dolomitic to occasionally dolomitic in part, argillaceous in part, trace pyrite

20% **Dolomite**
light brown, micro crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic in part, occasional clear anhydrite (fractures)

590.00 to 595.00 (5.00)

90% **Anhydrite**
off white to light brown, occasionally clear to light gray, mottled in part, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic to very dolomitic, grades to anhydritic dolomite in part, argillaceous in part, trace pyrite

10% **Dolomite**
very light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, predominately tight to occasional very poor intercrystalline porosity, very minor bitumen, anhydritic in part

595.00 to 600.00 (5.00)

60% **Dolomite**
off white to light to medium brown, micro to predominately very fine crystalline, occasional fine crystalline, hard, dolomite with minor anhydrite cement, predominately tight to occasional poor intercrystalline porosity, occasional very poor vuggy porosity, trace live oil stain, very minor bitumen stain, scattered bright green yellow fluorescence, instant bright yellow to yellow white cut, occasional anhydrite filled fractures, occasional bitumen filled stylolites

40% **Anhydrite**
off white to light gray to light brown, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part, slightly argillaceous in part

600.00 to 605.00 (5.00)

90% **Anhydrite**
off white to light gray to light brown, mottled in part, occasionally chalky, predominately micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, occasional pyrite, slightly argillaceous in part

10% **Dolomite**
as above

605.00 to 610.00 (5.00)

80% **Anhydrite**
off white to light brown to light gray, micro crystalline, rare micro sucrosic texture, hard, anhydrite and minor dolomite cement, tight, no shows, dolomitic in part, slightly argillaceous in part, trace pyrite

20% **Dolomite**
very light to light brown, mottled with white, micro to occasional very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic in part, occasional clear anhydrite, occasional light gray pyritic shale

610.00 to 620.00 (10.00)

85% **Anhydrite**
predominately off white to very light brown, occasionally light gray, occasionally mottled, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, trace pyrite, dolomitic to very dolomitic, occasionally grading to anhydritic dolomite

15% **Dolomite**
off white to light brown, micro to occasional very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic

620.00 to 625.00 (5.00)

80% **Anhydrite**
white to light gray, occasionally clear and light brown, mottled in part, chalky in part, predominately micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, *dolomitic to very dolomitic in part, grading in part to anhydritic dolomite*

20% **Dolomite**
white to occasionally light brown, micro crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic, grading in part to dolomitic anhydrite

625.00 to 630.00 (5.00)

70% **Anhydrite**
light brown to light gray to off white, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, trace pyrite

30% **Dolomite**
off white to very light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, very minor bitumen, anhydritic in part, trace clear anhydrite (fracture fill)

630.00 to 635.00 (5.00)

50% **Anhydrite**
white to light gray to light brown, mottled in part, micro crystalline, rare micro sucrosic texture, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part, trace pyrite

50% **Dolomite**
off white to predominately very light to light brown, mottled in part, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, no shows, slightly anhydritic to anhydritic in part, trace clear anhydrite

635.00 to 645.00 (10.00)

80% **Anhydrite**
off white to predominately light brown to occasionally light gray, mottled in part, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part, trace pyrite

635.00 to 645.00 (10.00)

20% **Dolomite**
off white to very light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight, no shows, anhydritic in part

645.00 to 650.00 (5.00)

75% **Dolomite**
off white to predominately light brown, occasionally medium brown, micro to very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, trace bitumen, trace light brown live oil stain, common green yellow fluorescence, instant bright green white ribbon cut

25% **Anhydrite**
off white to light gray to light brown, mottled in part, micro crystalline, micro sucrosic texture in part, hard, anhydrite cement, tight, no shows

650.00 to 660.00 (10.00)

80% **Anhydrite**
white to light gray to light brown, mottled, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part, slightly argillaceous in part, trace pyrite

20% **Dolomite**
light to occasional medium brown, micro to very fine crystalline, hard, dolomite cement, tight, trace bitumen, anhydritic in part

660.00 to 665.00 (5.00)

70% **Dolomite**
light to medium brown to white, micro to predominately very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, occasional poor vuggy and pin point porosity, scattered yellow to white fluorescence, instant bright yellow ribbon cut, trace bitumen

30% **Anhydrite**
white to light gray to very light brown, mottled in part, micro sucrosic in part, hard, anhydrite with minor dolomite cement, tight, no shows

665.00 to 670.00 (5.00)

70% **Anhydrite**
white to light brown, micro crystalline, micro sucrosic in part, hard, anhydrite and dolomite cement, tight, no shows, trace pyrite

30% **Dolomite**
white to very light to light brown, very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, scattered bright yellow fluorescence, instant bright yellow white ribbon cut, minor bitumen, slightly anhydritic in part

670.00 to 680.00 (10.00)

85% **Anhydrite**
white to light brown to light gray, mottled, micro sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows, slightly dolomitic in part, trace pyrite

15% **Dolomite**
as above

680.00 to 685.00 (5.00)

65% **Dolomite**
white to predominately very light to light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, no shows, occasional pyrite, slightly anhydritic in part

35% **Anhydrite**
off white to light gray to occasionally light brown, mottled in part, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part

685.00 to 695.00 (10.00)

80% **Anhydrite**
off white to white to predominately light gray, occasionally medium gray and light brown, mottled in part, micro crystalline, occasional micro sucrosic texture, hard, anhydrite cement, tight, no shows, slightly dolomitic in part, argillaceous in part, trace pyrite

20% **Dolomite**
very light to light brown, micro to very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic in part

695.00 to 700.00 (5.00)

50% **Anhydrite**
light brown to light gray to white, mottled in part, micro sucrosic texture in part, micro crystalline, hard, anhydrite cement, tight, no shows, occasional pyrite

50% **Dolomite**
light brown, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, trace bitumen, slightly anhydritic in part, occasional very minor pyrite, rare clear anhydrite, occasional bitumen filled stylolites

700.00 to 705.00 (5.00)

75% **Dolomite**
off white to light brown, occasionally light gray, very fine crystalline, moderately hard to hard, dolomite cement, sucrosic in part, tight to poor with occasional fair intercrystalline porosity, trace bitumen, occasional bitumen filled stylolites, slightly anhydritic in part

25% **Anhydrite**
as above

705.00 to 710.00 (5.00)

90% **Dolomite**
very light brown gray to predominately light brown, very fine to occasional fine crystalline, hard, dolomite cement, rhombic in part, poor to fair intercrystalline porosity, occasional poor vuggy and pin point porosity, very minor bitumen, rare questionable oil stain, no fluorescence, bright yellow ribbon cut in part, mixed with light gray, crypto to micro crystalline, very hard, tight dolomite

10% **Anhydrite**
as above

710.00 to 715.00 (5.00)	100%	**Dolomite** off white to predominately light brown, occasionally light gray, crypto to micro but predominately very fine crystalline, hard, dolomite cement, rhombic in part, tight to poor with occasional fair intercrystalline porosity, occasional poor pin point and vuggy porosity, trace bitumen stain, occasional pyrite, occasional bitumen filled stylolites, trace clear anhydrite, occasional fossil fragments
715.00 to 720.00 (5.00)	60%	**Dolomite** light to occasionally medium brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, slightly anhydritic in part, trace bitumen filled stylolites, occasional fossil fragments
	40%	**Anhydrite** white to light gray, sucrosic, occasionally mottled, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part
720.00 to 725.00 (5.00)	100%	**Dolomite** light gray brown to light to medium brown, mottled in part, crypto to very fine crystalline, occasional fine crystalline, hard to very hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, trace bitumen stain, trace clear anhydrite
725.00 to 730.00 (5.00)	100%	**Dolomite** light brown gray to light brown, mottled in part, micro to very fine crystalline, hard to very hard, dolomite cement, tight with common poor to fair intercrystalline porosity, trace good intercrystalline porosity, poor vuggy and pin point porosity, trace bitumen, occasional pyrite, rare fossil fragments, slightly anhydritic in part, trace clear anhydrite
730.00 to 735.00 (5.00)	100%	**Dolomite** off white to light brown gray to predominately light brown, micro to very fine crystalline, hard to very hard, dolomite cement, tight to poor with occasional fair to good intercrystalline porosity, occasional poor vuggy porosity, trace bitumen stain, occasional bitumen filled stylolites, very minor pyrite
735.00 to 740.00 (5.00)	100%	**Dolomite** beige to light brown, very fine crystalline, hard to very hard, dolomite cement, tight to poor intercrystalline porosity, poor vuggy and pin point porosity, trace bitumen stain, scattered questionable oil stain, no fluorescence, instant bright yellow massive cut, trace clear dolomite, occasional pyrite
740.00 to 745.00 (5.00)	100%	**Dolomite** light brown gray to light brown, micro to predominately very fine crystalline, hard to very hard, dolomite cement, tight to occasional poor intercrystalline porosity, poor vuggy porosity, occasional bitumen, common clear dolomite (fracture fill and vug lining), rare pyrite, very slightly argillaceous in part
745.00 to 750.00 (5.00)	100%	**Dolomite** predominately light brown to occasionally cream and light brown gray, mottled in part, micro to very fine crystalline, hard to very hard, dolomite cement, tight to occasional poor vuggy porosity, trace bitumen, trace bitumen filled stylolites, occasional pyrite, occasional fossil fragments

750.00 to 755.00 (5.00)	100%	**Dolomite** light gray brown to light brown to common medium to dark brown gray, mottled in part, micro to very fine crystalline, hard to very hard, dolomite cement, tight to occasional poor pin point and vuggy porosity, trace bitumen, trace dolomite filled fractures, argillaceous in part
755.00 to 760.00 (5.00)	50%	**Anhydrite** white to light gray to light brown, chalky in part, micro crystalline in part, sucrosic in part, pasty to hard, anhydrite cement, tight, no shows, occasional pyrite
	50%	**Dolomite** very light to light brown, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, no shows, trace fractures
760.00 to 765.00 (5.00)	100%	**Dolomite** cream to light brown, occasionally light brown gray, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, trace light to medium brown oil stain, common pale orange fluorescence, instant bright yellow green massive cut, occasional bitumen filled stylolites, rare pyrite (oil shows could be contamination from tripping)
765.00 to 770.00 (5.00)	100%	**Dolomite** cream to light brown to light brown gray, micro to very fine crystalline, hard, dolomite cement, predominately tight to occasional poor vuggy porosity, trace bitumen, scattered light brown oil stain, scattered pale orange fluorescence, instant bright yellow green ribbon cut, trace clear dolomite and anhydrite (fracture fill), slightly anhydritic in part
770.00 to 775.00 (5.00)	90%	**Dolomite** tan to light brown to light brown gray, mottled, micro to occasional very fine crystalline, hard to very hard, dolomite with minor anhydrite cement, tight, trace bitumen, anhydritic to very anhydritic in part, occasional pyrite, occasional bitumen filled stylolites, trace clear anhydrite
	10%	**Anhydrite** light gray to light brown to white, micro crystalline, sucrosic, anhydrite cement, tight, no shows
775.00 to 780.00 (5.00)	90%	**Dolomite** off white to cream to light gray to light brown, mottled in part, micro crystalline, hard, dolomite with minor anhydrite cement in part, predominately tight to occasional very poor vuggy porosity, trace bitumen, anhydritic in part, occasional bitumen filled stylolites
	10%	**Anhydrite** as above
780.00 to 790.00 (10.00)	90%	**Dolomite** off white to light brown, micro crystalline, hard to very hard, dolomite and anhydrite cement, tight, very minor bitumen, occasional bitumen filled stylolites, anhydritic to very anhydritic, grades to dolomitic anhydrite in part, slightly argillaceous in part

780.00 to 790.00 (10.00)	10%	**Anhydrite** white to light gray to occasionally light brown, micro crystalline, sucrosic in part, anhydrite cement, tight, no shows, very dolomitic in part
790.00 to 795.00 (5.00)	90%	**Dolomite** cream to off white to light brown, mottled, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor vuggy porosity, rare bitumen, occasional pyrite, slightly anhydritic to anhydritic in part, occasional bitumen filled stylolites, trace to common anhydrite filled fractures
	10%	**Anhydrite** white to light gray, micro crystalline, sucrosic in part, anhydrite cement, tight, no shows
795.00 to 800.00 (5.00)	100%	**Dolomite** cream to light brown to gray brown, mottled, predominately micro crystalline, occasionally very fine crystalline, hard to very hard, dolomite with minor anhydrite cement, tight to occasional very poor vuggy porosity, no shows, anhydritic in part, slightly cherty in part, occasional anhydrite filled fractures
800.00 to 810.00 (10.00)	95%	**Dolomite** cream to light brown, mottled in part, micro to very fine crystalline, hard to very hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, occasional very poor vuggy porosity, rare bitumen, anhydritic in part, occasional anhydrite filled fractures, rare chert, occasional pyrite
	5%	**Anhydrite** white, micro crystalline, anhydrite cement, tight, no shows, dolomitic in part
810.00 to 815.00 (5.00)	90%	**Dolomite** white to cream to very light brown, occasionally medium brown, micro to occasional very fine crystalline, hard to very hard, dolomite with minor anhydrite cement, tight, no shows, occasional pyrite, occasional bitumen filled stylolites, occasional anhydrite filled fractures
	10%	**Anhydrite** clear to white, micro crystalline, sucrosic in part, hard, anhydrite cement, tight, no shows, dolomitic in part
815.00 to 825.00 (10.00)	100%	**Dolomite** off white to light brown, occasionally light gray, mottled, micro to occasional very fine crystalline, hard to very hard, dolomite cement, tight, no shows, occasional anhydrite filled fractures, anhydritic in part, occasional bitumen filled stylolites
825.00 to 835.00 (10.00)	100%	**Dolomite** off white to very light brown, very fine crystalline, sucrosic, moderately hard to hard, dolomite with minor anhydrite cement, tight to poor intercrystalline porosity, common to abundant pale green fluorescence, no cut, slightly anhydritic in part, trace pyrite, occasional anhydrite filled fractures

835.00 to 840.00 (5.00)	100%	**Dolomite** very light gray to off white, occasionally very light brown, very fine to occasional fine crystalline, sucrosic, moderately hard to hard, dolomite cement, poor with occasional fair intercrystalline porosity, abundant pale green fluorescence, no cut, trace pyrite, occasional anhydrite filled fractures
840.00 to 845.00 (5.00)	100%	**Dolomite** very light gray to very light brown, mottled in part, sucrosic, predominately very fine to occasional fine crystalline, moderately hard to hard, dolomite cement, poor to fair intercrystalline porosity, occasional very poor vuggy porosity, abundant pale green fluorescence, no cut, trace pyrite, trace anhydrite filled fractures
845.00 to 850.00 (5.00)	100%	**Dolomite** very light to light gray to very light brown, occasionally white, mottled in part, sucrosic, very fine crystalline, moderately hard to hard, dolomite cement, tight to poor intercrystalline porosity, abundant pale green fluorescence, no cut, trace pyrite, trace clear anhydrite
850.00 to 865.00 (15.00)	100%	**Dolomite** very light gray to very light brown, occasionally white, sucrosic in part, very fine crystalline, moderately hard to hard, dolomite cement, predominately tight to occasional poor intercrystalline porosity, abundant pale green fluorescence, no cut, trace pyrite, trace clear anhydrite
865.00 to 870.00 (5.00)	100%	**Dolomite** very light gray to predominately very light brown, micro to predominately very fine crystalline, moderately hard to hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, abundant pale green fluorescence, no cut, occasional bitumen, trace pyrite, trace clear anhydrite and dolomite, trace fractures
870.00 to 875.00 (5.00)	100%	**Dolomite** very light brown to occasionally very light gray to off white, very fine to occasional fine crystalline, moderately hard to hard, dolomite cement, tight to poor intercrystalline porosity, abundant pale green fluorescence, no cut, trace pyrite, trace clear dolomite, occasional light green shale
875.00 to 880.00 (5.00)	100%	**Dolomite** very light gray to very light brown, occasionally off white, micro to predominately very fine crystalline, occasional fine crystalline, hard to very hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, common pale green fluorescence, no cut, trace pyrite, occasional clear dolomite
880.00 to 885.00 (5.00)	100%	**Dolomite** off white to light gray, rare light brown and pink, predominately very fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, trace pale green fluorescence, no cut, trace pyrite, trace light green shale
885.00 to 890.00 (5.00)	100%	**Dolomite** white to very light gray to occasionally very light brown, brick red and green, brecciated in part, very fine to medium crystalline in part, hard to very hard, dolomite cement, tight, trace to common pale green fluorescence, no cut, trace pyrite, minor chlorite?, minor green shale

890.00 to 895.00 (5.00)	100%	**Dolomite** off white to very light gray to occasionally light pink brown, micro to very fine crystalline, hard, dolomite cement, tight, abundant pale green fluorescence, no cut, trace pyrite, occasional light green shale
895.00 to 900.00 (5.00)	100%	**Dolomite** very light gray to cream to very light brown, micro to very fine crystalline, brecciated in part, hard, dolomite cement, tight, common to abundant pale green fluorescence, no cut, trace pyrite, occasional green shale, occasional clear dolomite
900.00 to 905.00 (5.00)	100%	**No sample** No sample in bucket
905.00 to 910.00 (5.00)	100%	**Dolomite** predominately off white to very light gray, brecciated, very fine to medium crystalline, hard, dolomite cement, predominately tight to occasional very poor vuggy porosity, common pale green fluorescence, no cut, trace pyrite, very minor quartz in part, trace clear dolomite
910.00 to 920.00 (10.00)	100%	**Dolomite** off white to white to very light brown, brecciated, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor vuggy porosity, common pale green fluorescence, no cut, rare chert, trace clear quartz, occasional pyrite
920.00 to 930.00 (10.00)	100%	**Dolomite** off white to very light gray, occasionally stained orange and brick red, brecciated in part, crypto to very fine crystalline in part, hard to very hard, dolomite with minor silica cement, tight, trace pale green fluorescence, no cut, trace quartz, cherty in part
930.00 to 940.00 (10.00)	100%	**Dolomite** white to predominately very light gray to occasionally very light brown, sucrosic in part, micro to very fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, scattered pale green fluorescence, no cut, cherty in part, trace pyrite, trace quartz
940.00 to 945.00 (5.00)	100%	**Dolomite** white to cream to very light gray, micro to very fine crystalline, sucrosic in part, hard, dolomite cement, tight to occasional very poor vuggy porosity, occasional bitumen, trace pale green fluorescence, no cut, trace pyrite, trace quartz, occasional bitumen filled stylolites
945.00 to 950.00 (5.00)	100%	**Dolomite** white to light gray to light brown, mottled in part, sucrosic in part, micro to very fine crystalline, hard, dolomite cement, tight to occasional very poor vuggy porosity, no shows, trace pyrite, trace clear dolomite, trace light gray shale
950.00 to 955.00 (5.00)	100%	**Dolomite** off white to light to medium gray to light to medium brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight, no shows, trace dolomite filled fractures, slightly argillaceous in part, trace pyrite, slightly anhydritic in part, slightly argillaceous in part

955.00 to 960.00 (5.00)
100% **Dolomite**
off white to predominately light gray to light brown, mottled, micro to very fine crystalline, earthy texture in part, hard, dolomite cement, tight, trace bitumen, slightly argillaceous, slightly anhydritic in part, trace pyrite, trace fossils

960.00 to 965.00 (5.00)
100% **Dolomite**
light to medium brown, occasionally off white, mottled, predominately micro crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, highly fractured, filled with dolomite and anhydrite

965.00 to 970.00 (5.00)
80% **Dolomite**
light to medium brown to occasionally off white, mottled, micro crystalline, hard, dolomite and anhydrite cement, tight, no shows, argillaceous in part, anhydritic in part, occasional pyrite, trace to common anhydrite and dolomite filled fractures

20% **Anhydrite**
white to occasionally light brown, micro crystalline, sucrosic in part, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part

970.00 to 975.00 (5.00)
75% **Dolomite**
very light to medium brown, mottled in part, predominately micro crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic, argillaceous in part, occasional pyrite

25% **Anhydrite**
white to cream to light brown, mottled in part, sucrosic in part, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows

975.00 to 980.00 (5.00)
75% **Dolomite**
off white to light to medium brown, occasionally gray brown, micro to occasional very fine crystalline, hard, dolomite with minor anhydrite cement, tight, no shows, anhydritic to very anhydritic, trace dolomite and anhydrite filled fractures, argillaceous in part, occasional pyrite, occasional bitumen filled stylolites

25% **Anhydrite**
as above

980.00 to 985.00 (5.00)
80% **Dolomite**
off white to light gray brown to brown gray to light brown, mottled, micro to occasional very fine crystalline, hard, dolomite and anhydrite cement, tight, very scattered pale green fluorescence, slow pale green massive cut, anhydritic to very anhydritic, occasional finely disseminated pyrite, argillaceous in part, trace fractures

20% **Anhydrite**
white to light brown, occasionally mottled in part, sucrosic in part, micro crystalline, moderately hard to hard, anhydrite and dolomite cement, tight, no shows, dolomitic to very dolomitic in part

985.00 to 990.00 (5.00)
80% **Dolomite**
white to off white to light to medium brown to light gray, mottled, predominately micro crystalline, hard, dolomite with minor anhydrite cement, tight, scattered pale green fluorescence, slow faint pale green massive cut, anhydritic to occasionally very anhydritic in part, highly fractured, argillaceous in part

985.00 to 990.00 (5.00)	20%	**Anhydrite** as above
990.00 to 995.00 (5.00)	90%	**Dolomite** very light gray to cream to very light brown, occasionally mottled, micro to very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, no shows, anhydritic in part, common fractures, occasional shale
	10%	**Anhydrite** white to light brown, micro crystalline, moderately hard to hard, anhydrite and dolomite cement, tight, no shows
995.00 to 1,000.00 (5.00)	100%	**Dolomite** off white to light gray to light brown, mottled in part, occasionally sucrosic, predominately very fine crystalline, hard, dolomite with minor anhydrite cement, predominately tight to occasional very poor intercrystalline porosity, occasional very poor vuggy porosity, rare bitumen, trace to common fractures, trace pyrite, minor shale, slightly argillaceous in part, anhydritic to occasionally very anhydritic
1,000.00 to 1,005.00 (5.00)	100%	**Dolomite** cream to very light brown, occasionally light gray, sucrosic in part, micro to predominately very fine crystalline, moderately hard to hard, dolomite and anhydrite cement, tight to occasional poor intercrystalline porosity, common pale green fluorescence, no cut, occasional pyrite, trace to common fractures, very slightly argillaceous in part
1,005.00 to 1,010.00 (5.00)	100%	**Dolomite** off white to very light brown, very fine crystalline, sucrosic, hard, dolomite with minor anhydrite cement, tight to poor intercrystalline porosity, occasional very poor vuggy porosity, common to abundant pale green fluorescence, no cut, scattered pyrite, slightly anhydritic in part
1,010.00 to 1,020.00 (10.00)	100%	**Dolomite** very light gray to very light brown, occasionally white, sucrosic in part, very fine crystalline, hard, dolomite with minor anhydrite cement, tight to occasional very poor intercrystalline porosity, abundant pale green fluorescence, no cut, occasional pyrite, trace fractures, slightly argillaceous in part, slightly anhydritic to very anhydritic with depth, occasionally grading to dolomitic anhydrite
1,020.00 to 1,030.00 (10.00)	75%	**Dolomite** very light brown to light brown gray, mottled in part, micro to very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic in part, occasional pyrite, occasional fractures
	25%	**Anhydrite** off white to light brown, micro crystalline, sucrosic in part, hard, anhydrite cement, tight, no shows, slightly dolomitic in part
1,030.00 to 1,035.00 (5.00)	60%	**Dolomite** cream to light brown, micro to occasionally very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic, grades to dolomitic anhydrite, trace bitumen filled stylolites, occasional pyrite

1,030.00 to 1,035.00 (5.00) 40% **Anhydrite**
very light gray to light brown to white, mottled, sucrosic in part, micro crystalline, hard, dolomite and anhydrite cement, tight, no shows, dolomitic to very dolomitic, grades to anhydritic dolomite

1,035.00 to 1,040.00 (5.00) 90% **Dolomite**
cream to light brown, micro crystalline, hard, dolomite cement, tight, no shows, occasional bitumen filled stylolites, trace fractures, rare pyrite, slightly anhydritic to anhydritic in part

10% **Anhydrite**
off white to very light gray, sucrosic, micro crystalline, hard, anhydrite and minor dolomite cement, tight, no shows, dolomitic in part

1,040.00 to 1,050.00 (10.00) 100% **Dolomite**
cream to light brown, mottled, micro to very fine crystalline, micro sucrosic in part, hard, dolomite cement, tight to poor intercrystalline porosity, no shows, occasional bitumen filled stylolites, trace fractures, slightly anhydritic in part

1,050.00 to 1,060.00 (10.00) 100% **Dolomite**
off white to predominately light brown, occasionally medium brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, occasional very poor vuggy porosity, rare bitumen, slightly anhydritic in part, trace bitumen filled stylolites, trace to common fractures, very slightly argillaceous in part, rare pyrite

1,060.00 to 1,075.00 (15.00) 60% **Dolomite**
light to occasionally medium brown to cream, micro to rare very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic to occasionally very anhydritic, trace fractures, occasional pyrite

40% **Anhydrite**
white to very light brown to very light gray, mottled, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic to occasionally very dolomitic

1,075.00 to 1,080.00 (5.00) 80% **Dolomite**
very light to light brown, occasionally medium brown, predominately micro to occasional very fine crystalline, hard, dolomite with trace anhydrite cement, tight, no shows, trace bitumen filled stylolites, trace fractures

20% **Anhydrite**
white to off white to light gray, sucrosic in part, micro crystalline, moderately hard to hard, dolomite and anhydrite cement, tight, no shows, occasional pyrite

1,080.00 to 1,085.00 (5.00) 70% **Anhydrite**
cream to very light brown to light gray, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part, occasional pyrite

30% **Dolomite**
very light to medium brown, micro to very fine crystalline, hard, dolomite cement, tight, rare bitumen, trace stylolites, occasional fractures, occasional pyrite

1,085.00 to 1,095.00 (10.00)	90%	**Anhydrite** off white to light gray to light brown, motttled in part, sucrosic in part, micro crystalline, anhydrite and dolomite cement, tight, no shows, dolomitic in part, trace pyrite
	10%	**Dolomite** light brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, minor pyrite, occasional fractures
1,095.00 to 1,100.00 (5.00)	75%	**Anhydrite** off white to predominately light gray to occasionally white, mottled, micro crystalline, occasionally chalky, moderately hard to hard, anhydrite cement, tight, no shows, dolomitic in part
	25%	**Dolomite** off white to very light to light brown, mottled in part, micro to occasional very fine crystalline, hard, dolomite and anhydrite cement, tight, no shows, anhydritic in part, occasional pyrite, occasional bitumen filled stylolites
1,100.00 to 1,105.00 (5.00)	70%	**Dolomite** very light to light brown, occasionally cream and medium brown, mottled in part, predominately micro to occasionally very fine crystalline, chalky in part, hard, dolomite cement, tight, no shows, anhydritic to very anhydritic in part
	30%	**Anhydrite** off white to light brown to light gray, occasionally mottled, micro crystalline, moderately hard to hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part
1,105.00 to 1,110.00 (5.00)	65%	**Anhydrite** white to very light gray to light brown to occasionally cream, chalky in part, micro crystalline, moderately hard to hard, anhydrite with minor dolomite cement, tight, no shows, dolomitic in part, occasional pyrite
	35%	**Dolomite** very light to light brown, micro crystalline, hard, dolomite cement, tight, no shows, occasional fractures, anhydritic to very anhydritic
1,110.00 to 1,115.00 (5.00)	80%	**Dolomite** very light brown gray to light brown, micro crystalline, moderately hard to hard, dolomite and anhydrite cement, tight, no shows, anhydritic to very anhydritic, occasional pyrite
	20%	**Anhydrite** as above
1,115.00 to 1,120.00 (5.00)	80%	**Dolomite** off white to light brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, rare very poor vuggy porosity, no shows, anhydritic in part

1,115.00 to 1,120.00 (5.00)	20%	**Anhydrite** off white to light gray, micro crystalline, occasionally chalky, hard, anhydrite cement, tight, no shows, trace pyrite, argillaceous in part
1,120.00 to 1,125.00 (5.00)	100%	**Dolomite** very light to medium brown, mottled, micro to very fine crystalline, sucrosic in part, moderately hard to hard, dolomite with minor anhydrite cement, tight to occasional poor intercrystalline porosity, rare very poor vuggy porosity, trace to common fractures, slightly anhydritic in part
1,125.00 to 1,135.00 (10.00)	100%	**Dolomite** off white to beige to medium brown, mottled in part, predominately micro crystalline, hard, dolomite cement, tight, no shows, slightly anhydritic in part, trace fractures, occasional chalky anhydrite
1,135.00 to 1,145.00 (10.00)	80%	**Dolomite** beige to light to medium brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, rare bitumen, slightly anhydritic in part
	20%	**Anhydrite** off white to light gray, micro crystalline, sucrosic in part, hard, anhydrite cement, tight, no shows
1,145.00 to 1,150.00 (5.00)	90%	**Dolomite** cream to very light brown, mottled, micro to very fine crystalline, hard, dolomite cement, tight to occasional very poor pin point porosity, occasional poor intercrystalline porosity, minor bitumen, occasional fractures, trace bitumen filled stylolites, slightly anhydritic in part
	10%	**Anhydrite** off white to light gray, sucrosic, micro crystalline, hard, anhydrite cement, tight, no shows
1,150.00 to 1,155.00 (5.00)	60%	**Dolomite** very light to predominately light brown, occasionally medium brown, mottled in part, predominately micro to occasional very fine crystalline, hard, dolomite cement, predominately tight to occasional very poor pin point porosity, rare very poor intercrystalline porosity, no shows, occasional fractures, occasional bitumen filled stylolites
	40%	**Anhydrite** off white to white to light gray to occasionally light brown, mottled, sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows, trace pyrite
1,155.00 to 1,165.00 (10.00)	65%	**Dolomite** predominately light brown to cream to light brown gray, mottled in part, predominately micro crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, no shows, occasional bitumen filled stylolites. occasional fractures, anhydritic, slightly argillaceous in part

1,155.00 to 1,165.00 (10.00) 35% **Anhydrite**
off white to light gray, micro crystalline, hard, anhydrite cement, tight, no shows, trace pyrite

1,165.00 to 1,170.00 (5.00) 85% **Dolomite**
off white to very light gray to occasionally light brown, micro to predominately very fine crystalline, sucrosic, moderately hard to hard, dolomite cement, poor intercrystalline porosity, common to abundant pale green fluorescence, no cut, trace pyrite

15% **Anhydrite**
as above

1,170.00 to 1,180.00 (10.00) 100% **Dolomite**
white to predominately light gray brown, sucrosic, micro to predominately very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, occasional very poor vuggy porosity, common to abundant pale green fluorescence, no cut, occasional pyrite, trace fractures

1,180.00 to 1,190.00 (10.00) 100% **Dolomite**
off white to very light gray, sucrosic in part, micro to predominately very fine crystalline, hard, dolomite cement, tight to poor with occasional fair intercrystalline porosity, abundant pale green fluorescence, no cut, occasional pyrite, trace fractures, trace chert

1,190.00 to 1,200.00 (10.00) 100% **Dolomite**
off white to very light brown, sucrosic, very fine to occasional fine crystalline, hard, dolomite cement, tight to poor with occasional fair intercrystalline porosity, rare very poor vuggy porosity, abundant pale green fluorescence, no cut, occasional fractures, occasional chert, rare pyrite

1,200.00 to 1,210.00 (10.00) 100% **Dolomite**
very light brown gray to predominately very light brown, mottled in part, sucrosic in part, predominately very fine crystalline, occasional fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, occasional very poor vuggy porosity, abundant pale green fluorescence, no cut, rare stylolites, trace fractures, trace clear quartz, trace chert, trace pyrite

1,210.00 to 1,215.00 (5.00) 100% **Dolomite**
off white to very light gray to predominately very light brown, occasionally mottled, very fine crystalline, hard, dolomite cement, tight to poor intercrystalline porosity, abundant pale green fluorescence, no cut, occasional pyrite, common chert, occasional fractures

1,215.00 to 1,220.00 (5.00) 100% **Dolomite**
white to predominately very light gray to occasionally very light brown, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, rare bitumen, trace pale yellow green fluorescence, no cut, trace pyrite, occasional quartz

1,220.00 to 1,225.00 (5.00) 100% **Dolomite**
off white to white to predominately very light gray, micro to fine crystalline, brecciated in part, hard to very hard, dolomite cement, tight, abundant pale yellow green fluorescence, no cut, trace pyrite, rare light green shale, trace fractures, occasional quartz

1,225.00 to 1,230.00 (5.00) 100% **Dolomite**
off white to predominately very light gray, occasionally stained red, micro to fine crystalline, brecciated in part, hard to very hard, dolomite cement, tight, abundant pale green yellow fluorescence, no cut, occasional pyrite, occasional chert, occasional quartz, minor light green shale, trace fractures

1,230.00 to 1,235.00 (5.00) 100% **Dolomite**
cream to occasionally very light gray, predominately micro to very fine crystalline, occasionally fine crystalline, occasionally brecciated, hard to very hard, dolomite cement, tight, abundant pale green yellow fluorescence, no cut, occasional pyrite, slightly cherty in part, occasional quartz, occasional light green shale, slightly silty in part

1,235.00 to 1,240.00 (5.00) 100% **Dolomite**
white to cream to occasionally very light gray, predominately very fine crystalline, hard to very hard, dolomite cement, tight, abundant pale yellow fluorescence, no cut, slightly cherty in part, occasional quartz, slightly silty in part

1,240.00 to 1,245.00 (5.00) 100% **Dolomite**
off white to very light gray, micro to very fine crystalline, hard to very hard, dolomite cement, tight, common pale yellow fluorescence, no cut, trace light green shale, trace quartz sandstone, trace clear quartz, occasionally cherty in part

1,245.00 to 1,255.00 (10.00) 100% **Dolomite**
very light gray to occasionally off white, occasionally stained pink to brick red, micro to very fine with occasional fine to medium crystalline, hard to very hard, dolomite cement, tight to occasional very poor intercrystalline porosity, occasional poor pin point porosity, trace pale yellow fluorescence, no cut, occasionally cherty in part, silty to sandy in part, occasional fractures, rare pyrite

1,255.00 to 1,270.00 (15.00) 100% **Dolomite**
off white to very light gray, occasionally very light brown, occasional pink and green stain, micro to fine crystalline, hard to very hard, dolomite cement, tight to occasional very poor pin point porosity, occasional poor vuggy porosity, trace pale yellow fluorescence, no cut, cherty in part, trace clear quartz, trace fractures, very minor silt in part

1,270.00 to 1,275.00 (5.00) 100% **Dolomite**
off white to white to very light gray, micro to very fine to occasional fine crystalline, hard to very hard, dolomite cement, tight to occasional poor vuggy porosity, scattered pale yellow fluorescence, no cut, trace clear quartz, occasional chert, occasional fractures, silty to sandy in part

1,275.00 to 1,280.00 (5.00) 100% **Dolomite**
white to very light gray brown to light gray, micro to very fine crystalline, hard to very hard, dolomite cement, tight to occasional very poor vuggy porosity, occasional pale yellow fluorescence, no cut, trace to common chert, trace fractures, trace clear quartz, rare pyrite, trace quartz crystals

1,280.00 to 1,295.00 (15.00) 100% **Dolomite**
white to very light gray to occasionally very light brown, micro to very fine with occasional fine crystalline, hard to very hard, dolomite cement, predominately tight with occasional poor to fair intercrystalline porosity, scattered pale yellow fluorescence, no cut, cherty in part, trace fractures, rare pyrite, trace quartz, rare green shale

1,295.00 to 1,305.00 (10.00) 100% **Dolomite**
occasionally white to predominately very light gray, very fine to fine crystalline, hard to very hard, dolomite cement, predominately tight to occasional poor intercrystalline porosity, no shows, trace to common quartz, occasional fractures, occasional pyrite, occasional quartz crystals, rare light green shale, occasionally cherty in part

1,305.00 to 1,315.00 (10.00) 100% **Dolomite**
predominately very light gray to occasionally off white, micro to very fine crystalline, hard to very hard, dolomite cement, tight with occasional very poor pin point porosity, trace pale yellow fluorescence, no cut, common to abundant chert, trace quartz, occasional fractures, very slightly calcareous in part, slightly silty in part

1,315.00 to 1,325.00 (10.00) 100% **Dolomite**
very light gray to off white to occasionally very light brown, micro to very fine with occasional fine crystalline, hard to very hard, dolomite cement, tight to occasional very poor pin point porosity, trace pale yellow fluorescence, no cut, rare pyrite, abundant chert, trace quartz, trace fractures

1,325.00 to 1,330.00 (5.00) 100% **Dolomite**
cream to very light gray brown, occasionally white, micro to very fine crystalline, hard to very hard, dolomite cement, tight, scattered pale yellow fluorescence, no cut, occasional pyrite, trace chert, trace clear quartz, occasional quartz sandstone, occasional light green shale

1,330.00 to 1,335.00 (5.00) 100% **Dolomite**
very light brown, predominately very fine crystalline, occasional fine crystalline, brecciated in part, sucrosic in part, dolomite cement, tight to poor intercrystalline porosity, trace pale green fluorescence, no cut, rare pyrite, trace quartz, trace chert, trace fractures, occasional green shale

1,335.00 to 1,340.00 (5.00) 100% **Dolomite**
predominately very light brown to tan, micro to very fine crystalline, brecciated in part, hard to very hard, dolomite cement, tight to occasional poor intercrystalline porosity, scattered pale green fluorescence, no cut, trace to common chert, trace clear quartz, trace fractures, scattered pyrite

1,340.00 to 1,345.00 (5.00) 100% **Dolomite**
off white to predominately very light brown gray to occasionally very light brown, very fine to medium crystalline, brecciated in part, hard to very hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, common pale green fluorescence, no cut, trace clear quartz, occasional quartz crystals, common chert, very minor green shale, occasional pyrite

1,345.00 to 1,355.00 (10.00) 100% **Dolomite**
off white to very light gray to occasionally very light brown, very fine to fine with occasional medium crystalline, hard to very hard, dolomite cement, predominately tight to occasional poor to fair intercrystalline porosity, trace pale green fluorescence, no cut, trace quartz, trace chert, rare pyrite, rare light green shale, slightly silty in part

1,355.00 to 1,360.00 (5.00) 100% **Dolomite**
cream to very light brown, occasionally very light gray, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, common pale green fluorescence, no cut, trace pyrite, cherty to very cherty in part, trace fractures, occasional light green shale, slightly silty in part

1,360.00 to 1,365.00 (5.00) 100% **Dolomite**
cream to light brown, predominately very fine to trace fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, abundant pale green fluorescence, no cut, trace light green waxy shale, occasional fractures, trace quartz, occasional chert, very slightly silty in part

1,365.00 to 1,370.00 (5.00) 100% **Dolomite**
off white to predominately light brown, mottled in part, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional poor intercrystalline porosity, common pale green fluorescence, no cut, occasional pyrite, trace quartz, trace fractures, occasional green shale, rare chert, very slightly silty in part

1,370.00 to 1,375.00 (5.00) 100% **Dolomite**
very light gray to light brown, occasionally off white, very fine to fine crystalline, hard, dolomite cement, tight, common pale green fluorescence, no cut, trace fractures, occasional pyrite, occasional light green shale

1,375.00 to 1,385.00 (10.00) 100% **Dolomite**
off white to light gray to occasionally very light brown, predominately very fine with occasional fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, common pale green fluorescence, no cut, rare chert, occasional pyrite, trace light green shale, very slightly silty in part

1,385.00 to 1,395.00 (10.00) 100% **Dolomite**
off white to very light brown to very light gray, very fine crystalline, hard, dolomite cement, tight, no shows, occasional fractures, occasional pyrite, occasional light green shale, slightly calcareous in part, trace chert, slightly silty in part

1,395.00 to 1,400.00 (5.00) 100% **Dolomite**
very light gray to very light brown, occasionally white, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, very minor pale yellow fluorescence, no cut, trace light green shale, trace pyrite, trace fractures, rare chert, slightly silty in part

1,400.00 to 1,405.00 (5.00) 100% **Dolomite**
very light gray to light brown, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, trace chert, trace fractures, trace quartz, occasional light green shale, occasional pyrite, silty in part

1,405.00 to 1,410.00 (5.00) 100% **Dolomite**
off white to very light brown to very light gray, predominately very fine to occasional fine crystalline, hard, dolomite cement, tight, no shows, trace to common fractures, occasional pyrite, occasional green shale, silty in part, rare chert

1,410.00 to 1,420.00 (10.00) 100% **Dolomite**
off white to predominately very light brown, predominately very fine to occasional fine crystalline, brecciated in part, hard, dolomite cement, tight, no shows, occasional light green shale, trace to common chert, rare pyrite, trace fractures

1,420.00 to 1,425.00 (5.00) 100% **Dolomite**
off white to very light gray, predominately very fine crystalline, hard, dolomite cement, tight, no shows, trace well rounded quartz grains, occasional fractures, rare green shale, occasional chert

1,425.00 to 1,430.00 (5.00) 100% **Dolomite**
off white to predominately very light gray to occasionally very light brown, predominately very fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, trace pyrite, occasional chert, minor light green shale, slightly silty in part

1,430.00 to 1,435.00 (5.00) 100% **Dolomite**
off white to very light gray to very light brown, very fine to fine crystalline, hard, dolomite cement, tight, no shows, trace light green shale, rare pyrite, slightly silty in part

1,435.00 to 1,450.00 (15.00) 100% **Dolomite**
very light gray to predominately very light brown, mottled in part, very fine to fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, no shows, trace fractures, occasional light green shale, occasional pyrite, slightly silty in part, trace chert, occasional quartz grains

1,450.00 to 1,455.00 (5.00) 100% **Dolomite**
off white to light gray to occasionally very light brown, very fine to fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, no shows, occasional pyrite, trace fractures, very minor chert, very slightly silty in part

1,455.00 to 1,460.00 (5.00) 100% **Dolomite**
predominately very light brown to occasionally very light gray and off white, predominately very fine crystalline, occasional fine crystalline, hard, dolomite cement, tight, scattered pale yellow fluorescence, no cut, occasional quartz grains, very minor light green shale, rare chert, scattered pyrite, occasional fractures

1,460.00 to 1,470.00 (10.00) 100% **Dolomite**
very light gray to very light brown to off white, occasionally greenish, very fine to fine crystalline, brecciated in part, hard, dolomite cement, tight, no shows, trace chert, trace pyrite, trace fractures, trace light to medium green shale, rare quartz grains, very slightly silty in part, very slightly argillaceous in part

1,470.00 to 1,475.00 (5.00) 100% **Dolomite**
off white to light gray to gray green to very light brown, predominately very fine crystalline, occasionally micro and fine crystalline, hard, dolomite cement, tight, no shows, very slightly silty in part, argillaceous in part, trace pyrite, trace green shale

1,475.00 to 1,485.00 (10.00) 100% **Dolomite**
off white to very light gray to occasionally very light brown, very fine to fine crystalline, hard, dolomite cement, tight, no shows, trace fractures, occasional light green shale, occasional pyrite, rare quartz, very slightly argillaceous in part, slightly silty in part

1,485.00 to 1,495.00 (10.00) 100% **Dolomite**
very light gray to occasionally very light brown, very minor pink to red stain, very fine to fine crystalline, brecciated in part, hard, dolomite cement, tight to occasional poor intercrystalline porosity, scattered to trace pale yellow fluorescence, no cut, trace light green shale, trace fractures, occasional pyrite, very slightly silty in part

1,495.00 to 1,500.00 (5.00) 100% **Dolomite**
off white to very light gray to very light brown, micro to predominately very fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, scattered pale yellow fluorescence, no cut, trace pyrite, occasional chert, occasional light green shale, slightly argillaceous in part, very slightly silty in part

1,500.00 to 1,505.00 (5.00) 100% **Dolomite**
off white to light brown to predominately light gray, occasionally medium gray, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight, no shows, trace pyrite, argillaceous to very argillaceous in part, grading to dolomitic shale in part, slightly silty in part, occasionally cherty

1,505.00 to 1,510.00 (5.00) 100% **Dolomite**
off white to predominately light to medium brown to occasionally light gray, mottled in part, micro to predominately very fine crystalline, occasional fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, grading to dolomitic shale in part, trace pyrite, occasional fractures, slightly silty in part

1,510.00 to 1,515.00 (5.00) 100% **Dolomite**
beige to medium to dark brown, occasionally off white, mottled in part, predominately very fine to occasional fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, grades to dolomitic shale in part, occasional pyrite, rare chert, occasional fractures

1,515.00 to 1,520.00 (5.00) 100% **Dolomite**
beige to medium to dark brown to occasionally light gray and off white, mottled in part, micro to predominately very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, grading to dolomitic shale in part, trace pyrite, occasional chert, occasional light green shale, trace medium brown shale

1,520.00 to 1,525.00 (5.00) 100% **Dolomite**
beige to medium brown to gray brown, occasionally off white, micro to predominately very fine to fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, no shows, argillaceous to very argillaceous in part, grades to dolomitic shale, trace pyrite, trace medium brown shale

1,525.00 to 1,530.00 (5.00) 100% **Dolomite**
medium to dark brown to light gray to off white, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, trace pyrite, occasional fractures, trace finely disseminated pyrite, trace medium gray brown shale

1,530.00 to 1,535.00 (5.00) 100% **Dolomite**
off white to very light brown to very light gray, occasionally medium to dark brown, micro to very fine crystalline, hard, dolomite cement, predominately tight with rare very poor pin point porosity, no shows, slightly argillaceous to argillaceous in part, occasional finely disseminated pyrite, rare chert, occasional light green and medium brown shale

1,535.00 to 1,540.00 (5.00) 100% **Dolomite**
predominately very light gray to occasionally very light brown, micro to predominately very fine crystalline, hard, dolomite cement, tight, no shows, occasional quartz grains, slightly argillaceous in part, occasional pyrite, slightly silty in part, occasional light green shale

1,540.00 to 1,545.00 (5.00) 100% **Dolomite**
white to beige to medium to dark brown to very light to light gray, occasionally mottled, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, occasional fractures, occasional pyrite, rare quartz grains, slightly silty in part, minor anhydrite

1,545.00 to 1,550.00 (5.00) 100% **Dolomite**
light brown to light gray, occasionally off white and medium brown, micro to very fine crystalline, hard, dolomite cement, tight, no shows, trace pyrite, trace fractures, occasional chert, very slightly anhydritic in part, argillaceous to very argillaceous in part, grading to dolomitic shale in part, trace light gray green and medium brown shale

1,550.00 to 1,555.00 (5.00) 90% **Dolomite**
light brown to light gray to green gray, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous, trace pyrite, minor fractures

10% **Shale**
very light green to green gray, sub blocky to blocky, moderately hard, waxy, trace to common finely disseminated pyrite, dolomitic

1,555.00 to 1,560.00 (5.00) 90% **Dolomite**
predominately light brown to occasionally off white, light gray and medium brown, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, occasional pyrite, occasional fractures

1,555.00 to 1,560.00 (5.00)	10%	**Shale** light green to gray green to occasionally light to medium brown, sub blocky to blocky, moderately hard, dolomitic, trace finely disseminated pyrite
1,560.00 to 1,565.00 (5.00)	90%	**Dolomite** very light to light brown to off white to light gray, occasionally medium brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight, no shows, slightly argillaceous to argillaceous in part, scattered pyrite, occasional fractures
	10%	**Shale** light gray to green gray to light to medium brown, blocky, moderately hard to hard, dolomitic, trace finely disseminated pyrite
1,565.00 to 1,570.00 (5.00)	90%	**Dolomite** off white to light brown to light gray to green gray, micro to predominately very fine crystalline, hard, dolomite cement, tight, no shows, slightly argillaceous to argillaceous, trace pyrite, occasional fractures
	10%	**Shale** light green to gray green, occasionally light brown, sub blocky to blocky, moderately hard to hard, trace to common finely disseminated pyrite
1,570.00 to 1,580.00 (10.00)	100%	**Dolomite** off white to very light to light brown to light gray, micro to predominately very fine crystalline, hard, dolomite cement, tight to occasional poor vuggy porosity, no shows, trace fractures, occasional pyrite, slightly argillaceous in part, minor light green shale, occasional quartz
1,580.00 to 1,585.00 (5.00)	100%	**Dolomite** off white to light brown to predominately light gray, occasionally medium brown, mottled in part, micro to medium crystalline, brecciated in part, hard, dolomite cement, tight, trace pale yellow fluorescence, no cut, trace fractures, slightly argillaceous to argillaceous in part, occasionally grading to dolomitic shale, trace pyrite, occasional quartz, occasional light green shale
1,585.00 to 1,590.00 (5.00)	100%	**Dolomite** light gray to light to medium brown, mottled in part, very fine to medium crystalline, brecciated in part, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, trace pale yellow fluorescence, no cut, trace pyrite, trace fractures, argillaceous to very argillaceous in part, occasionally grading to very dolomitic shale
1,590.00 to 1,595.00 (5.00)	100%	**Dolomite** off white to light gray to predominately light to medium brown, mottled in part, very fine to fine crystalline, occasional micro crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, very minor pale yellow fluorescence, occasional pyrite, argillaceous in part, occasional stylolites, trace light to medium brown dolomitic shale

1,595.00 to 1,600.00 (5.00) 100% **Dolomite**
white to light to dark brown to light gray, micro to predominately very fine to fine crystalline, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, no shows, occasional finely disseminated pyrite, argillaceous to very argillaceous in part, occasional stylolites, occasionally grading to dolomitic shale

1,600.00 to 1,610.00 (10.00) 100% **Dolomite**
white to light to medium brown to light gray, mottled in part, micro to fine crystalline, sucrosic in part, hard, dolomite cement, tight to occasional poor intercrystalline porosity, occasional very poor vuggy porosity, no shows, occasional fractures, trace finely disseminated pyrite, argillaceous to very argillaceous in part

1,610.00 to 1,615.00 (5.00) 100% **Dolomite**
light to occasionally medium brown to predominately off white to light gray, micro to predominately very fine crystalline, occasional fine crystalline, hard, dolomite cement, tight to occasional very poor vuggy porosity, no shows, occasional very thin shale laminations, occasional pyrite, trace fractures, argillaceous to occasionally very argillaceous in part

1,615.00 to 1,625.00 (10.00) 100% **Dolomite**
off white to light gray to predominately light to medium brown, mottled in part, sucrosic in part, micro to predominately very fine to fine crystalline, hard, dolomite cement, tight, no shows, trace stylolites, trace fractures, occasional light green shale, argillaceous to occasionally very argillaceous, minor pyrite

1,625.00 to 1,630.00 (5.00) 100% **Dolomite**
light brown to light gray to white to occasionally medium brown, mottled in part, sucrosic in part, micro to very fine crystalline, occasional fine crystalline, moderately hard to hard, dolomite cement, tight to occasional poor intercrystalline porosity, occasional very poor vuggy porosity, no shows, occasional stylolites, trace fractures, very minor pyrite, slightly argillaceous to argillaceous in part

1,630.00 to 1,640.00 (10.00) 100% **Dolomite**
white to off white to very light gray to light brown, mottled in part, very fine to medium crystalline, brecciated in part, hard, dolomite cement, tight to poor intercrystalline porosity, occasional poor vuggy porosity, minor bitumen stain, trace to common fractures, occasional pyrite, occasional stylolites, trace light green shale

1,640.00 to 1,645.00 (5.00) 100% **Dolomite**
white to light gray to predominately light brown, occasional medium brown, occasionally mottled in part, very fine to occasionally fine crystalline, hard, dolomite cement, predominately tight to occasional very poor intercrystalline porosity, occasional very poor vuggy porosity, minor bitumen, occasional stylolites, trace pyrite, trace fractures, slightly argillaceous to argillaceous in part

1,645.00 to 1,650.00 (5.00) 100% **Dolomite**
light to medium brown to light gray to light brown gray to off white, mottled in part, sucrosic in part, micro to very fine crystalline, hard, dolomite cement, tight to occasional poor intercrystalline porosity, very minor bitumen stain, occasional pyrite, occasional thin shale laminations, slightly argillaceous to argillaceous in part

1,650.00 to 1,660.00 (10.00)	100%	**Dolomite** very light brown to very light gray to occasionally off white and medium to dark brown, mottled in part, micro to very fine crystalline, hard, dolomite and calcite cement, tight, very minor bitumen, trace pyrite, argillaceous to occasionally very argillaceous in part, occasional fractures
1,660.00 to 1,665.00 (5.00)	100%	**Dolomite** off white to white to light gray to beige to occasionally medium brown, mottled in part, predominately micro to very fine crystalline, hard, dolomite cement, tight, no shows, trace chert, rare quartz grains, occasional pyrite, argillaceous in part
1,665.00 to 1,675.00 (10.00)	100%	**Dolomite** occasionally off white to predominately beige to light brown to gray brown, mottled in part, predominately micro crystalline, occasional very fine crystalline, hard, dolomite cement, tight, no shows, occasional fractures, occasional stylolites, very minor pyrite, slightly argillaceous to argillaceous in part
1,675.00 to 1,685.00 (10.00)	100%	**Dolomite** white to predominately very light gray to occasionally light to medium brown, micro to very fine crystalline, hard, dolomite cement, tight with occasional very poor vuggy porosity, occasional very poor intercrystalline porosity, no shows, occasional pyrite, slightly argillaceous to argillaceous in part, occasional fractures, minor shale
1,685.00 to 1,700.00 (15.00)	100%	**Dolomite** white to light brown to light gray, occasional medium brown, mottled in part, micro to very fine with occasional fine crystalline, sucrosic in part, moderately hard to hard, dolomite cement, tight to poor intercrystalline porosity, occasional very poor vuggy porosity, no shows, trace fractures, occasional green shale, argillaceous in part, occasional pyrite, occasional stylolites
1,700.00 to 1,705.00 (5.00)	100%	**Dolomite** white to light gray to green gray to occasionally light to medium brown, mottled in part, sucrosic in part, micro to very fine with occasional fine crystalline, moderately hard to hard, dolomite cement, tight to occasional poor intercrystalline porosity, no shows, rare chert, occasional fractures, occasional stylolites, occasional pyrite, slightly argillaceous to argillaceous in part, trace thin shale laminations
1,705.00 to 1,710.00 (5.00)	90%	**Dolomite** light to medium brown to light to medium gray to white, micro to fine crystalline, moderately hard to hard, dolomite cement, tight to occasional very poor intercrystalline porosity, occasional very poor vuggy porosity, very minor bitumen, occasional fractures, argillaceous in part, occasional stylolites
	10%	**Shale** light to medium gray to light brown, sub blocky to blocky, moderately hard to hard, dolomitic to very dolomitic in part, trace to common finely disseminated pyrite
1,710.00 to 1,715.00 (5.00)	100%	**Dolomite** off white to light gray to predominately light to medium brown to occasionally dark brown, mottled in part, sucrosic in part, micro to very fine crystalline, moderately hard to hard, dolomite cement, tight to occasional poor intercrystalline porosity, minor bitumen, argillaceous to very argillaceous, grades to dolomitic shale in part, trace dark gray to black shale laminations

1,715.00 to 1,725.00 (10.00) 100% **Dolomite**
off white to light gray to predominately light to medium brown, occasionally dark brown, mottled in part, micro to very fine crystalline, hard, dolomite cement, tight to occasional very poor vuggy porosity, no shows, occasional pyrite, argillaceous to very argillaceous in part, occasional stylolites, trace shale laminations

1,725.00 to 1,730.00 (5.00) 100% **Dolomite**
off white to predominately light to medium brown, occasionally dark brown, predominately micro crystalline, occasional very fine crystalline, hard, dolomite cement, tight, no shows, occasional stylolites, trace dark gray to black shale laminations, occasional pyrite, rare fractures

1,730.00 to 1,735.00 (5.00) 100% **Dolomite**
light to dark brown, occasionally off white, mottled in part, micro to fine crystalline, sucrosic in part, hard, dolomite cement, tight to occasional very poor intercrystalline porosity, very minor bitumen, occasional pyrite, occasional light green shale, occasional fractures, argillaceous in part, occasional thin medium brown shale laminations, occasional stylolites

1,735.00 to 1,740.00 (5.00) 100% **Dolomite**
off white to light to dark brown to gray brown, mottled in part, micro to very fine to occasional fine crystalline, hard, dolomite cement, tight to occasional very poor vuggy porosity, no shows, argillaceous in part, occasional pyrite, rare chert, occasional fractures, trace light brown to medium gray shale, occasional stylolites

1,740.00 to 1,750.00 (10.00) 100% **Dolomite**
off white to light to dark brown, mottled in part, predominately micro to occasional very fine crystalline, hard, dolomite cement, tight, no shows, occasional fractures, occasional pyrite, argillaceous to very argillaceous in part, trace medium to dark gray shale laminations, occasional stylolites

1,750.00 to 1,755.00 (5.00) 100% **Dolomite**
off white to predominately light brown to gray brown, mottled in part, predominately micro crystalline, hard, dolomite cement, tight, no shows, slightly argillaceous in part, occasional fractures, occasional medium gray shale

1,755.00 to 1,760.00 (5.00) 100% **Dolomite**
off white to beige to light brown to gray, occasionally medium to dark brown, mottled in part, predominately micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, occasional pyrite, occasional fractures, trace medium gray to brown to occasionally light green shale

1,760.00 to 1,765.00 (5.00) 90% **Dolomite**
beige to light to medium gray, occasionally medium to dark brown, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale, rare pyrite, slightly anhydritic in part

10% **Shale**
light to medium gray, occasionally very light green, blocky to sub blocky, hard, dolomitic to very dolomitic

1,765.00 to 1,770.00 (5.00)	90%	**Dolomite** beige to medium brown to light brown gray to occasionally dark brown, mottled in part, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous in part, slightly anhydritic in part, grades to dolomitic shale in part, occasional pyrite
	10%	**Shale** light to medium brown to brown gray, sub blocky to blocky, hard, dolomitic to very dolomitic, slightly anhydritic
1,770.00 to 1,775.00 (5.00)	90%	**Dolomite** off white to light brown to gray brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, anhydritic in part, argillaceous in part, occasional pyrite
	10%	**Shale** light gray to green gray, blocky, moderately hard to hard, dolomitic to very dolomitic, occasional pyrite
1,775.00 to 1,780.00 (5.00)	100%	**Dolomite** off white to beige to medium brown to brown gray, mottled in part, micro to occasionally very fine crystalline, hard, dolomite cement, tight, no shows, occasional fractures, rare fossils, argillaceous to very argillaceous in part, anhydritic to very anhydritic in part, trace pyrite, trace medium brown to light green shale, occasionally grades to dolomitic anhydrite and dolomitic shale
1,780.00 to 1,790.00 (10.00)	90%	**Dolomite** beige to light gray brown to brown gray, occasionally off white, mottled in part, micro to occasional very fine crystalline, hard, dolomite cement, tight, no shows, occasional pyrite, argillaceous to occasionally very argillaceous in part, grading to dolomitic shale, slightly anhydritic in part
	10%	**Shale** light green to brown gray, sub blocky to blocky, hard, dolomitic to very dolomitic, occasional pyrite
1,790.00 to 1,795.00 (5.00)	90%	**Dolomite** buff to light brown to light gray, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous, anhydritic in part, trace finely disseminated pyrite
	10%	**Shale** light to medium gray to green gray, sub blocky to blocky, moderately hard to hard, dolomitic
1,795.00 to 1,805.00 (10.00)	65%	**Dolomite** light brown to off white to occasionally light gray, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, grading to dolomitic shale, trace finely disseminated pyrite, slightly anhydritic in part
	20%	**Anhydrite** off white to light brown, micro crystalline, hard, anhydrite and dolomite cement, tight, no shows, dolomitic, argillaceous

1,795.00 to 1,805.00 (10.00)	15%	**Shale** light gray to medium green gray to gray brown, sub blocky to blocky, hard, dolomitic to very dolomitic, occasionally grading to argillaceous dolomite, slightly anhydritic in part, trace finely disseminated pyrite
1,805.00 to 1,810.00 (5.00)	70%	**Dolomite** buff to cream, mottled in part, micro to occasional very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, trace finely disseminated pyrite
	30%	**Shale** light to medium green brown to brown green, sub blocky to blocky, moderately hard to hard, trace finely disseminated pyrite
1,810.00 to 1,815.00 (5.00)	65%	**Dolomite** cream to predominately buff, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, trace pyrite, slightly anhydritic in part
	35%	**Shale** light green to gray green to green gray, sub fissile to sub blocky, moderately hard to hard, slightly dolomitic in part, trace finely disseminated pyrite
1,815.00 to 1,825.00 (10.00)	80%	**Dolomite** buff to light brown to light gray brown, occasionally medium brown, mottled in part, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous in part, slightly anhydritic in part
	20%	**Shale** light green to green gray, sub fissile to sub blocky, moderately hard to predominately hard, slightly dolomitic to dolomitic, trace finely disseminated pyrite
1,825.00 to 1,835.00 (10.00)	65%	**Shale** light to medium green to brick red, sub blocky to blocky, hard, occasionally moderately hard, slightly dolomitic to dolomitic, occasional finely disseminated pyrite, occasional medium to very coarse quartz grains
	35%	**Dolomite** cream to buff to off white, micro to occasionally very fine crystalline, hard, dolomite cement, tight, slightly anhydritic in part, occasional anhydrite laminations, slightly argillaceous to argillaceous in part, occasional quartz grains
1,835.00 to 1,840.00 (5.00)	75%	**Shale** light to medium green to occasionally brick red to light gray brown to brown gray, sub blocky to blocky, hard, slightly anhydritic in part, dolomitic in part, occasional finely disseminated pyrite
	25%	**Dolomite** off white to buff, micro crystalline, hard, dolomite cement, tight, no shows, occasional pyrite, slightly argillaceous in part, anhydritic in part, occasional thin anhydrite laminations

1,840.00 to 1,845.00 (5.00)	75%	**Shale** light to medium green to olive green to brick red to green gray, sub blocky to blocky, moderately hard to predominately hard, dolomitic in part, trace finely disseminated pyrite
	25%	**Dolomite** off white to light gray brown, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous in part, anhydritic to very anhydritic in part, silty in part, occasional pyrite, grades to dolomitic anhydrite
1,845.00 to 1,855.00 (10.00)	80%	**Shale** light to medium green to brick red to occasionally gray green and light brown, sub blocky to blocky, moderately hard to hard, occasionally waxy, trace finely disseminated pyrite, dolomitic in part
	20%	**Anhydrite** cream to light brown, occasional green and red stain, micro crystalline, hard, anhydrite with minor dolomite cement, tight, no shows, slightly argillaceous in part
1,855.00 to 1,860.00 (5.00)		**Salt** Inferred from ROP and increase in mud salinity
	100%	**Cement** cement from drilling out shoe
1,860.00 to 1,865.00 (5.00)	75%	**Salt** white to occasionally pink to off white, mostly inferred, going into mud system
	25%	**Shale** predominately brick red to occasionally green, fissile to sub fissile, hard, anhydritic
1,865.00 to 1,880.00 (15.00)	70%	**Salt** Mostly inferred from ROP, sample still going into the mud system. Very poor sample quality
	20%	**Dolomite** very light gray green, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
	10%	**Shale** light gray green to occasionally pink to orange, fissile, moderately hard to hard, occasional finely disseminated pyrite, waxy in part
1,880.00 to 1,885.00 (5.00)	75%	**Salt** clear to white to light gray to pink
	15%	**Dolomite** light gray green, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
	10%	**Shale** red to occasionally green, fissile to sub fissile, moderately hard to hard, anhydritic in part, occasionally dolomitic

1,885.00 to 1,910.00 (25.00)	80%	**Salt** mostly inferred from ROP still going into the mud system, very poor sample quality
	20%	**Shale and dolomite** Shale: light green to brick red, sub fissile to sub blocky, moderately hard to hard, dolomitic to very dolomitic, grading to argillaceous dolomite, anhydritic. Dolomite: light gray green to green gray, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
1,910.00 to 1,920.00 (10.00)	90%	**Salt** inferred from ROP, still going into mud system, very poor sample quality
	10%	**Shale** light to occasionally medium green, sub fissile to sub blocky, moderately hard to hard, dolomitic, anhydritic
1,920.00 to 1,925.00 (5.00)	85%	**Salt** white to clear to occasionally orange
	10%	**Anhydrite** white to clear, sucrosic in part, micro crystalline, soft to moderately hard, anhydrite cement, tight, no shows, dolomitic to very dolomitic
	5%	**Shale** as above
1,925.00 to 1,930.00 (5.00)	90%	**Salt** predominately white to occasionally red and clear, crystalline in part
	10%	**Shale** red to green, sub fissile, moderately hard, dolomitic
1,930.00 to 1,955.00 (25.00)	100%	**Salt** clear, massive, minor shale, light green, sub fissile to sub blocky, moderately hard to hard, dolomitic
1,955.00 to 1,960.00 (5.00)	80%	**Shale** very poor sample quality, light brown to light gray to occasionally light green, sub fissile to sub blocky, soft to moderately hard, dolomitic to very dolomitic, grading to argillaceous dolomite
	20%	**Anhydrite** white to pale orange, micro crystalline, soft, anhydrite cement, tight, no shows
1,960.00 to 1,965.00 (5.00)	95%	**Shale** light gray, sub blocky to blocky, soft, dolomitic to very dolomitic
	5%	**Anhydrite** off white to pale orange, micro crystalline, soft, anhydrite cement, tight, no shows
1,965.00 to 1,975.00 (10.00)	95%	**Shale** very light to predominately light gray, occasionally light green, sub blocky to blocky, soft, very dolomitic, grading to very argillaceous dolomite

1,965.00 to 1,975.00 (10.00)	5%	**Salt** clear, massive
1,975.00 to 1,985.00 (10.00)	80%	**Shale** light gray to occasionally tan, light green and red, sub blocky to blocky, soft, bentonitic in part, dolomitic to very dolomitic, rare pyrite, occasional pyrite nodules. Very poor sample quality, salt will be inferred in the interval.
	20%	**Anhydrite** white to off white, micro crystalline, moderately hard, anhydrite cement, tight, no shows
1,985.00 to 1,995.00 (10.00)		**Salt** inferred from ROP and poor sample quality, clear, minor shale, as above
1,995.00 to 2,000.00 (5.00)		**Anhydrite** white, slightly sucrosic in part, micro crystalline, hard, anhydrite cement, tight, no shows
		Salt clear to occasionally orange, amorphous
		Shale light green to red to predominately light gray, sub blocky to blocky, very soft to soft, dolomitic to very dolomitic
2,000.00 to 2,030.00 (30.00)	100%	**Salt** clear, amorphous, minor shale, as above
2,030.00 to 2,050.00 (20.00)	100%	**Salt** clear, amorphous with minor shale: light gray to brown gray to occasionally light green, sub blocky to blocky, very soft to soft, dolomitic to very dolomitic, grades to very argillaceous dolomite
2,050.00 to 2,075.00 (25.00)	100%	**Salt** clear, amorphous, minor shale, as above and anhydrite: white to pale orange, micro crystalline, soft to moderately hard, anhydrite cement, tight, no shows
2,075.00 to 2,115.00 (40.00)	100%	**Salt** clear, amorphous, minor shale, light gray to brown gray, sub blocky to blocky, very soft to soft, dolomitic to very dolomitic
2,115.00 to 2,125.00 (10.00)	70%	**Salt** clear, amorphous
	20%	**Dolomite** very light to light brown, occasionally off white and medium brown, mottled, micro crystalline, soft to moderately hard, occasionally hard, dolomite cement, tight, no shows, argillaceous
	10%	**Shale** light gray, sub blocky to blocky, very soft to soft, dolomitic to very dolomitic

2,125.00 to 2,175.00 (50.00)	100%	**Salt** clear to occasionally white, amorphous, minor shale, light to occasionally medium gray, sub blocky to blocky, soft, very dolomitic, minor dolomite, light brown, micro crystalline, soft to moderately hard, dolomite cement, tight, no shows, argillaceous
2,175.00 to 2,205.00 (30.00)	100%	**Salt** clear to occasionally white with minor dolomite, light gray to light brown, micro crystalline, moderately hard to hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grading to dolomitic shale
2,205.00 to 2,215.00 (10.00)	85%	**Salt** clear to occasionally white
	10%	**Dolomite** light to medium brown to light gray to occasionally off white, mottled in part, micro crystalline, moderately hard to hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale
	5%	**Shale** light gray to light green to red, fissile to sub fissile, moderately hard, dolomitic
2,215.00 to 2,230.00 (15.00)	95%	**Salt** clear to occasionally white
	5%	**Dolomite** light gray to light gray brown, micro crystalline, soft to occasionally moderately hard, dolomite cement, tight, no shows, very argillaceous grading to dolomitic shale
2,230.00 to 2,240.00 (10.00)	80%	**Salt** clear
	10%	**Dolomite** light brown to buff, micro crystalline, moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
	10%	**Shale** light gray to light green to occasionally red, fissile to sub fissile, soft to moderately hard, dolomitic to very dolomitic, grading to very argillaceous dolomite in part
2,240.00 to 2,250.00 (10.00)	80%	**Dolomite** predominately light gray to light gray brown to occasionally green gray and tan, micro crystalline, very soft to soft, dolomite cement, tight, no shows, argillaceous to very argillaceous, grading to dolomitic shale
	20%	**Shale** light green to occasionally red, fissile to sub fissile, moderately hard, dolomitic
2,250.00 to 2,255.00 (5.00)	80%	**Shale** light gray to light gray brown, fissile to sub fissile, very soft to soft, very dolomitic, grades to argillaceous dolomite, anhydritic

2,250.00 to 2,255.00 (5.00)	20%	**Dolomite** light gray to light gray brown to tan, micro crystalline, very soft to soft, dolomite cement, tight, no shows, very argillaceous, grades to dolomitic shale
2,255.00 to 2,265.00 (10.00)	50%	**Shale** light to medium gray to light gray brown to occasionally green, sub fissile, very soft to soft, very dolomitic, grading to argillaceous dolomite, rare pyrite
	30%	**Salt** clear
	20%	**Dolomite** off white to very light brown, micro crystalline, soft, dolomite cement, tight, no shows, very argillaceous
2,265.00 to 2,270.00 (5.00)	70%	**Shale** light green to light to medium gray to occasionally red, fissile to sub fissile, very soft to soft, very dolomitic, grades to very argillaceous dolomite, occasional finely disseminated pyrite
	20%	**Salt** clear
	10%	**Dolomite** as above
2,270.00 to 2,280.00 (10.00)	65%	**Shale** light green to predominately light gray to light gray brown, fissile to sub fissile, soft, dolomitic to very dolomitic, grading to very argillaceous dolomite
	25%	**Dolomite** off white to light brown, occasionally mottled, micro crystalline, soft to moderately hard, predominately tight to occasional very poor pin point porosity, no shows, slightly argillaceous to argillaceous
	10%	**Anhydrite** white, micro crystalline, sucrosic in part, soft, anhydrite cement, tight, no shows
2,280.00 to 2,285.00 (5.00)	55%	**Shale** light green to gray green to light to dark gray, fissile to sub fissile, soft to moderately hard, dolomitic to very dolomitic in part, anhydritic in part
	30%	**Salt** clear
	10%	**Dolomite** light brown, micro crystalline, sucrosic in part, moderately hard, dolomite cement, tight, no shows, argillaceous
	5%	**Anhydrite** clear to white, micro crystalline, moderately hard, anhydrite cement, tight, no shows

2,285.00 to 2,290.00 (5.00)	75%	**Shale** light green to tan to light brown, fissile to sub fissile, soft to occasionally moderately hard, dolomitic to very dolomitic, occasionally grading to argillaceous dolomite, micro micaceous, common to abundant argillaceous chert, occasional pyrite
	25%	**Salt** clear
2,290.00 to 2,295.00 (5.00)	80%	**Salt** clear
	20%	**Shale** predominately light gray to occasionally light green, fissile to sub fissile, soft, dolomitic to very dolomitic
2,295.00 to 2,300.00 (5.00)	90%	**Shale** predominately light gray, occasional light green, light brown and dark gray, sub blocky to blocky, dolomitic in part, very soft to moderately hard, trace pyrite
	5%	**Chert** dark gray to gray brown, very hard, argillaceous to very argillaceous
	5%	**Salt** clear
2,300.00 to 2,305.00 (5.00)	70%	**Shale** light green to gray green to light gray, occasionally medium gray, fissile to sub fissile, soft, dolomitic to very dolomitic
	30%	**Salt** clear
2,305.00 to 2,310.00 (5.00)	80%	**Shale** light to dark gray to light green to gray green, fissile to sub fissile, soft to occasionally moderately hard, dolomitic to very dolomitic, grades to argillaceous dolomite
	10%	**Dolomite** light brown, micro crystalline, moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
	10%	**Sandstone** clear, quartzose, very fine to medium grain, moderately sorted, angular to sub round, unconsolidated, minor silica cement, inferred fair intergranular porosity, no shows, very clean
2,310.00 to 2,320.00 (10.00)	80%	**Shale** medium to dark gray to brown gray, occasionally light green gray, sub blocky to blocky, moderately hard to hard, dolomitic, occasional chert (fractures?)
	20%	**Dolomite** light to medium brown, micro crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous

2,320.00 to 2,325.00 (5.00)	80%	**Shale** dark gray to black to dark gray brown, sub blocky to blocky, moderately hard to hard, dolomitic to very dolomitic, occasionally grading to argillaceous dolomite
	20%	**Dolomite** medium brown to gray brown, micro crystalline, hard, calcite and dolomite cement, tight, no shows, argillaceous to very argillaceous, trace pyrite
2,325.00 to 2,330.00 (5.00)	65%	**Shale** light green to medium gray to brown gray, sub fissile to sub blocky, soft to moderately hard, occasionally hard, dolomitic to very dolomitic in part
	30%	**Dolomite** off white to light to medium brown, mottled in part, micro crystalline, hard to very hard, dolomite with minor calcite cement, tight, no shows, argillaceous to very argillaceous in part, slightly anhydritic in part, silty in part
	5%	**Anhydrite** white to off white, micro crystalline, soft to moderately hard, occasionally hard, anhydrite cement, tight, no shows
2,330.00 to 2,335.00 (5.00)	70%	**Dolomite** white to off white to tan to light brown to gray brown, mottled in part, crypto to micro crystalline, hard, calcite and dolomite cement, tight, no shows, silty to very silty in part, occasionally grading to dolomitic siltstone in part, argillaceous to occasionally very argillaceous, occasional pyrite, trace fossils
	30%	**Shale** light to medium green to gray to occasionally brown and red, fissile to sub blocky, soft to moderately hard, waxy in part, slightly dolomitic in part, trace pyrite
2,335.00 to 2,340.00 (5.00)	65%	**Dolomite** white to light brown to tan, micro crystalline, soft to moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grading to dolomitic shale
	35%	**Shale** light to dark gray to light to medium green to brown, fissile to sub fissile, soft to moderately hard, dolomitic to occasionally very dolomitic
2,340.00 to 2,350.00 (10.00)	75%	**Shale** light to medium green to medium gray green to gray, fissile, soft to occasionally moderately hard, very slightly dolomitic in part, minor pyrite, waxy in part, splintery in part
	25%	**Dolomite** light to medium brown, mottled with white, micro to very fine crystalline, hard, dolomite cement, tight, argillaceous, occasional fossils, occasional glauconite (?)
2,350.00 to 2,360.00 (10.00)	75%	**Shale** predominately light to medium green to light gray to gray green to light brown and occasionally red and dark gray, fissile to sub fissile, moderately hard, waxy in part, very slightly dolomitic in part, trace finely disseminated pyrite, trace fractures, occasional glauconite

2,350.00 to 2,360.00 (10.00)	25%	**Dolomite** white to occasionally light brown, micro crystalline, moderately hard to hard, dolomite with minor calcite cement, tight, no shows, argillaceous to very argillaceous in part
2,360.00 to 2,370.00 (10.00)	65%	**Shale** light gray to light green to very light brown to green gray to occasionally dark gray, fissile to sub fissile, soft to predominately moderately hard, dolomitic to very dolomitic in part, occasionally grading to argillaceous dolomite in part, occasional pyrite
	30%	**Anhydrite** white to clear, sucrosic, micro to occasionally very fine crystalline, soft to moderately hard, friable in part, anhydrite with minor dolomite cement, tight to poor intercrystalline porosity, no shows, dolomitic to very dolomitic in part
	5%	**Dolomite** medium brown, micro crystalline, hard, calcite and dolomite cement, tight, no shows, argillaceous
2,370.00 to 2,375.00 (5.00)	80%	**Shale** light green to gray green to tan, fissile to sub fissile, moderately hard, occasional finely disseminated pyrite, slightly dolomitic in part, micro micaceous
	10%	**Anhydrite** as above
	10%	**Limestone** off white to light brown, mottled in part, micro crystalline, hard, calcite cement, tight, no shows, slightly anhydritic, argillaceous
2,375.00 to 2,380.00 (5.00)	65%	**Shale** predominately light green to light gray green, occasionally light gray and light brown, fissile to sub fissile, moderately hard, very slightly dolomitic in part, micro micaceous
	25%	**Anhydrite** white to occasionally clear, micro to occasional very fine crystalline, soft to moderately hard, anhydrite with calcite and minor dolomite cement, tight, no shows, calcareous to very calcareous in part
	10%	**Dolomite** medium brown, micro crystalline, hard, dolomite and calcite cement, tight, no shows, anhydritic in part, argillaceous
2,380.00 to 2,385.00 (5.00)	60%	**Shale** light green to light brown, fissile to sub fissile, moderately hard, very slightly dolomitic in part, trace finely disseminated pyrite
	20%	**Anhydrite** white, sucrosic, micro crystalline, soft to moderately hard, friable in part, anhydrite with minor calcite cement, tight, no shows, calcareous to very calcareous

2,380.00 to 2,385.00 (5.00)	20%	**Limestone** light to medium brown to occasionally off white, mottled in part, micro crystalline, moderately hard to hard, calcite and dolomite cement, tight, no shows, argillaceous, dolomitic in part, anhydritic to very anhydritic
2,385.00 to 2,390.00 (5.00)	60%	**Shale and Anhydrite** as above
	40%	**Dolomite** light to medium brown to off white, micro crystalline, moderately hard, calcite and dolomite cement, tight, no shows, argillaceous, trace pyrite, calcareous to very calcareous, also dolomite, white to off white, micro to very fine crystalline, soft to moderately hard, friable in part, calcite cement, tight to poor intercrystalline porosity, no shows, very calcareous, slightly argillaceous
2,390.00 to 2,395.00 (5.00)	70%	**Shale** predominately light green, also light gray, light brown and gray green, sub fissile to sub blocky, moderately hard to occasionally hard, trace finely disseminated pyrite
	20%	**Dolomite** off white to light to medium brown, micro to very fine with occasional fine crystalline, moderately hard to hard, dolomite and calcite cement, tight to poor intercrystalline porosity, minor bitumen stain, argillaceous, trace pyrite, slightly anhydritic
	10%	**Anhydrite** white, micro crystalline, slightly sucrosic in part, hard, anhydrite cement, tight, no shows
2,395.00 to 2,400.00 (5.00)	70%	**Shale** light to medium green to light gray, fissile to sub fissile, soft to moderately hard, trace finely disseminated pyrite
	20%	**Dolomite** off white to light brown, mottled in part, micro to very fine crystalline, soft to moderately hard, friable in part, sucrosic in part, dolomite and calcite cement, tight to poor intercrystalline porosity, no shows, argillaceous, trace pyrite, anhydritic
	10%	**Anhydrite** as above
2,400.00 to 2,405.00 (5.00)	80%	**Shale** light to occasionally medium green to medium to dark brown to medium to dark gray, fissile to sub blocky, moderately hard to hard, dolomitic to very dolomitic in part, occasional pyrite
	10%	**Anhydrite** white, micro crystalline, moderately hard to hard, anhydrite with minor dolomite cement, tight, no shows
	10%	**Dolomite** light to medium brown, mottled in part, micro crystalline, hard, dolomite with minor calcite cement, tight, no shows, argillaceous to very argillaceous, anhydritic, trace pyrite

2,405.00 to 2,410.00 (5.00)	70%	**Dolomite** dark gray to light to dark brown, mottled in part with white, micro to occasional very fine crystalline, hard to very hard, dolomite with minor calcite cement, tight, no shows, argillaceous to very argillaceous in part, trace pyrite, anhydritic to occasionally very anhydritic, grading to dolomitic anhydrite in part
	30%	**Shale** light green to light brown, fissile to sub fissile, moderately hard, occasional pyrite, very slightly dolomitic in part
2,410.00 to 2,415.00 (5.00)	55%	**Shale** light green to gray green to light brown to light gray, occasionally dark gray, fissile to sub fissile, moderately hard to occasionally hard, trace finely disseminated pyrite
	35%	**Dolomite** off white to light brown, occasionally medium to dark brown, mottled in part, micro crystalline, moderately hard to hard, dolomite with minor calcite cement, tight, no shows, argillaceous, slightly calcareous to calcareous in part, slightly anhydritic in part
	10%	**Anhydrite** white to off white, micro crystalline, sucrosic in part, soft to moderately hard, anhydrite cement, tight, no shows
2,415.00 to 2,420.00 (5.00)	70%	**Shale** light to medium green to light gray to medium brown, fissile to sub fissile, soft to moderately hard, trace pyrite, occasional carbonaceous flecks in part
	30%	**Dolomite** white to off white to light gray brown, micro crystalline, hard, dolomite and calcite cement, tight, no shows, argillaceous, anhydritic, calcareous, minor anhydrite
2,420.00 to 2,425.00 (5.00)	75%	**Shale** light to medium gray to light green to light brown to occasionally dark brown, very soft to moderately hard, fissile to sub fissile, dolomitic to very dolomitic, grades to argillaceous dolomite, occasional pyrite
	25%	**Dolomite** light brown gray to light brown, micro crystalline, hard, dolomite and calcite cement, tight, no shows, argillaceous to occasionally very argillaceous, minor anhydrite
2,425.00 to 2,432.50 (7.50)	60%	**Limestone** white to light gray to light brown, mottled in part, crypto to micro crystalline, hard, calcite cement, tight, no shows, argillaceous to very argillaceous in part, occasional fossils, anhydritic in part
	35%	**Shale** light to medium green to occasionally light brown and light gray, fissile to sub fissile, moderately hard, trace finely disseminated pyrite
	5%	**Dolomite** light brown, micro to very fine crystalline, moderately hard, dolomite cement, tight to poor intercrystalline porosity, no shows, slightly argillaceous

2,432.50 to 2,435.00 (2.50)	65%	**Limestone** off white to light brown to light gray, mottled, crypto to micro crystalline, calcite and dolomite cement, tight, no shows, argillaceous, dolomitic in part, occasional pyrite, occasional fossils
	35%	**Shale** light green to light brown to light to dark gray, fissile to sub fissile, soft to moderately hard, trace pyrite, dolomitic to very dolomitic in part, grades to argillaceous dolomite in part
2,435.00 to 2,440.00 (5.00)	70%	**Shale** light to medium green to light gray to light brown, occasionally medium to dark brown and dark gray, fissile to sub blocky, soft to moderately hard, occasionally hard, dolomitic to very dolomitic in part, occasionally grading to argillaceous dolomite, trace pyrite
	30%	**Limestone** white to light brown, mottled in part, crypto to micro crystalline, hard, calcite with minor dolomite cement, tight, no shows, argillaceous to very argillaceous, dolomitic in part, occasional pyrite, occasional fossils, occasional anhydrite
2,440.00 to 2,442.50 (2.50)	85%	**Shale** light green to light brown to light gray, fissile to sub fissile, moderately hard, platey in part, trace finely disseminated pyrite
	15%	**Limestone** as above
2,442.50 to 2,445.00 (2.50)	50%	**Siltstone** light gray to light brown, quartzose, very minor lithics, silt to occasional very fine grain, well sorted, sub round to round, hard, silica with minor calcite cement, tight, no shows, slightly argillaceous, occasional calcite veins
	25%	**Limestone** off white to light brown, mottled, crypto to micro crystalline, moderately hard to hard, calcite cement, tight, no shows, argillaceous, occasional pyrite
	25%	**Shale** as above
2,445.00 to 2,447.50 (2.50)	70%	**Siltstone** light gray to occasionally light brown, quartzose, silt to occasional very fine grain, well sorted, sub round to round, hard to very hard, silica with minor calcite cement, tight, no shows, slightly argillaceous to argillaceous, occasional glauconite
	30%	**Shale and Limestone** as above
2,447.50 to 2,450.00 (2.50)	35%	**Dolomite** light to medium brown, mottled in part, micro to very fine crystalline, hard, dolomite and calcite cement, tight, no shows, argillaceous, occasionally silty, anhydritic, trace pyrite, calcareous to very calcareous, grades to dolomitic limestone

2,447.50 to 2,450.00 (2.50)	35%	**Shale** light to medium green to occasionally light gray to light brown, fissile to sub fissile, moderately hard to hard, occasional pyrite
	15%	**Limestone** off white to light to medium brown, mottled, micro crystalline, moderately hard to hard, calcite cement, tight, no shows, argillaceous to occasionally very argillaceous, silty to very silty in part
	15%	**Siltstone** light gray to light to medium brown, quartzose, silt size, well sorted, sub round to round, hard to very hard, silica and calcite cement, tight, no shows, argillaceous to very argillaceous, occasionally grading to silty shale, trace glauconite
2,450.00 to 2,452.50 (2.50)	90%	**Dolomite** light to medium brown, mottled, micro to very fine crystalline, moderately hard to hard, calcite and dolomite cement, tight, no shows, argillaceous to very argillaceous, calcareous to very calcareous, occasionally grading to dolomitic limestone, silty to occasionally very silty in part, trace pyrite
	10%	**Shale** as above
2,452.50 to 2,455.00 (2.50)	85%	**Dolomite** light to medium brown to dark gray brown, micro to very fine crystalline, moderately hard to hard, dolomite and calcite cement, tight, no shows, argillaceous to very argillaceous in part, silty to very silty in part, calcareous to very calcareous in part, occasionally grades to limestone and siltstone
	15%	**Shale** light green to very light gray brown, fissile to sub fissile, soft to moderately hard, dolomitic in part, occasional pyrite
2,455.00 to 2,457.50 (2.50)	70%	**Shale and Dolomite** 60% dolomite and 10% shale, as above
	30%	**Siltstone** light gray to light brown, quartzose, silt size, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, argillaceous to very argillaceous, dolomitic, occasionally grading to very silty shale, occasional pyrite
2,457.50 to 2,460.00 (2.50)	80%	**Dolomite** medium to dark brown, mottled, micro to predominately very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous, trace pyrite
	20%	**Shale** light to medium green, sub fissile to sub blocky, moderately hard to hard, occasional pyrite

2,460.00 to 2,462.50 (2.50)	80%	**Dolomite** medium to dark gray brown, occasionally light brown, mottled, micro to very fine crystalline, hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, occasionally grading to very dolomitic shale, silty in part, trace pyrite, occasional glauconite
	20%	**Shale** light gray green to light green, fissile to sub fissile, moderately hard to hard, trace finely disseminated pyrite
2,462.50 to 2,465.00 (2.50)	60%	**Siltstone** light gray to light brown, quartzose, silt to occasional very fine grain, well sorted, sub angular to round, hard, dolomite with minor silica cement, tight, no shows, trace glauconite, dolomitic to very dolomitic grading to silty dolomite in part, trace pyrite
	30%	**Dolomite** light gray to light to dark brown, predominately very fine crystalline, hard, dolomite cement, tight, no shows, silty to very silty, occasionally grades to dolomitic siltstone, trace pyrite, trace glauconite
	10%	**Shale** as above
2,465.00 to 2,467.50 (2.50)	80%	**Siltstone** clear to light gray to light brown, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica with minor dolomite cement, tight, no shows, trace to common glauconite, argillaceous in part, grades to very fine grain sandstone, trace pyrite
	20%	**Dolomite and Shale** as above
2,467.50 to 2,470.00 (2.50)	50%	**Dolomite** medium brown to gray brown to off white, mottled in part, micro to very fine crystalline, moderately hard, calcite and dolomite cement, tight, no shows, argillaceous to very argillaceous
	40%	**Shale** light to medium green to light brown to light gray, fissile to sub fissile, moderately hard to hard, trace finely disseminated pyrite
	10%	**Siltstone** as above
2,470.00 to 2,472.50 (2.50)	80%	**Siltstone** light gray to light to medium brown, occasionally clear, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, dolomite and silica cement, tight, no shows, slightly argillaceous, trace pyrite, trace glauconite, dolomitic to occasionally very dolomitic, occasionally grades to silty dolomite
	20%	**Shale and Dolomite** as above

2,472.50 to 2,475.00 (2.50)	60%	**Siltstone** light to medium gray to occasionally light brown, quartzose, silt to very fine grain, well sorted, sub angular to round, hard to occasionally very hard, dolomite and silica cement, tight, no shows, common glauconite, argillaceous, occasionally grades to sandstone, dolomitic
	20%	**Dolomite** as above
	20%	**Shale** light gray to light green, fissile to sub blocky, moderately hard to hard, occasional pyrite
2,475.00 to 2,477.50 (2.50)	60%	**Sandstone** light gray to light brown to clear, occasionally medium gray, quartzose, silt to lower fine grain, moderately sorted, hard, sub angular to round, silica with minor dolomite cement, tight, no shows, trace to common glauconite, slightly argillaceous to argillaceous, grades to siltstone in part
	25%	**Shale** light gray to light to medium green to light brown, occasionally dark gray, fissile to sub fissile, moderately hard to hard, trace finely disseminated pyrite
	15%	**Dolomite** white to medium to dark brown, mottled, micro to very fine crystalline, moderately hard to hard, dolomite cement, tight, no shows, argillaceous to occasionally very argillaceous, silty in part, slightly calcareous in part, trace pyrite
2,477.50 to 2,480.00 (2.50)	50%	**Shale** light to medium gray to light to medium green, fissile to sub fissile, platey, moderately hard, trace finely disseminated pyrite
	40%	**Sandstone** clear to light gray to light brown, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, trace to common glauconite, argillaceous to occasionally very argillaceous, trace pyrite
	10%	**Dolomite** white to light to medium brown, mottled, micro to very fine crystalline, moderately hard to hard, dolomite with minor calcite cement, tight, no shows, argillaceous in part, silty in part, anhydritic in part, minor anhydrite
2,480.00 to 2,482.50 (2.50)	50%	**Shale** light to medium gray to light to medium green to light brown gray, fissile to sub fissile, moderately hard, occasional finely disseminated pyrite
	30%	**Sandstone** white to clear to light gray to pinky orange, quartzose, silt to very fine grain, occasional fine grain, well sorted, sub angular to round, hard, silica with minor dolomite cement, tight, no shows, trace to common glauconite in part
	20%	**Dolomite** as above, minor anhydrite

2,482.50 to 2,490.00 (7.50)	85%	**Shale** light to medium green to light gray to red orange, very soft to moderately hard, fissile to sub fissile, trace finely disseminated pyrite, grades to mudstone in part (red orange)
	15%	**Sandstone** light gray, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, occasional pyrite, minor anhydrite
2,490.00 to 2,495.00 (5.00)	80%	**Shale** light to medium gray to green to brown to pink orange, occasionally dark gray, fissile to sub fissile, very soft to moderately hard, micro micaceous in part, occasionally slightly silty, becomes mudstone in part (pink orange)
	10%	**Dolomite** off white to light to medium brown, micro to very fine crystalline, moderately hard to hard, dolomite with minor calcite cement, tight, no shows
	10%	**Siltstone** light gray, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, occasional glauconite, trace pyrite
2,495.00 to 2,505.00 (10.00)	80%	**Shale** very light gray brown to light gray green to occasionally medium to dark gray and pink orange, fissile to sub fissile, very soft to moderately hard, trace finely disseminated pyrite
	15%	**Siltstone** off white to occasionally pink orange, quartzose, silt to very fine grain, occasional fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, occasionally grades to sandstone
	5%	**Anhydrite** white, sucrosic, micro crystalline, moderately hard, anhydrite cement, tight, no shows
2,505.00 to 2,515.00 (10.00)	85%	**Shale** light to medium green to light to medium gray to light brown, occasionally dark gray, fissile to sub fissile, platey in part, soft to moderately hard, occasional finely disseminated pyrite, grades to mudstone
	10%	**Anhydrite** white to occasionally clear, sucrosic in part, micro to occasional very fine crystalline, moderately hard, anhydrite with minor dolomite cement, tight, no shows, occasional pyrite, dolomitic
	5%	**Dolomite** very light gray to occasionally dark brown, occasionally sucrosic in part, micro to very fine crystalline, moderately hard, dolomite and calcite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale

2,515.00 to 2,525.00 (10.00)	90%	**Shale** light gray to light brown to very light to light green, fissile to sub fissile, soft to moderately hard, micro micaceous in part, dolomitic in part, grades to mudstone in part
	10%	**Anhydrite** white to off white, micro to crystalline, soft to moderately hard, anhydrite with minor dolomite cement, tight, no shows, slightly dolomitic, occasional dolomite
2,525.00 to 2,530.00 (5.00)	80%	**Shale** light to medium gray to light green to very light to light brown, fissile to sub fissile, platey in part, soft to moderately hard, grades to mudstone in part, micro micaceous, occasional calcite veins
	10%	**Anhydrite** white to light brown, micro crystalline, moderately hard to hard, anhydrite with minor dolomite cement, tight, no shows
	10%	**Siltstone** light gray to light brown, quartzose, silt to occasional very fine grain, well sorted, sub angular to round, hard, silica with minor dolomite cement, tight, no shows, slightly argillaceous, trace glauconite
2,530.00 to 2,535.00 (5.00)	65%	**Shale** light gray to light green to light green gray, occasionally light brown and dark gray, fissile to sub fissile, moderately hard to hard, micro micaceous, occasional silt grains, occasional glauconite, grades to mudstone in part, dolomitic to very dolomitic grading to argillaceous dolomite
	20%	**Siltstone** light to medium gray to light brown, quartzose, silt to very fine grain, well sorted, sub angular to round, hard, silica and dolomite cement, tight, no shows, trace glauconite, trace pyrite, argillaceous
	15%	**Anhydrite** white to light brown to occasional pink brown, micro to occasional very fine crystalline, moderately hard, anhydrite with minor dolomite cement, tight, no shows
2,535.00 to 2,545.00 (10.00)	85%	**Shale** light green to light gray to green gray, occasionally brown and dark gray, fissile to sub fissile, platy in part, splintery in part, moderately hard to hard, trace finely disseminated pyrite, grades to mudstone in part, dolomitic to very dolomitic in part grading to argillaceous dolomite
	15%	**Siltstone and Anhydrite** 10% anhydrite and 5% siltstone, as above
2,545.00 to 2,555.00 (10.00)	65%	**Shale** light gray to light green, occasionally medium gray and medium green, fissile to sub blocky, moderately hard to hard, grades to mudstone in part, trace pyrite, occasional glauconite in part

2,545.00 to 2,555.00 (10.00)	20%	**Anhydrite** white to off white, occasionally very light green, micro crystalline, occasionally sucrosic, soft to moderately hard, anhydrite cement, tight, no shows, slightly argillaceous in part
	15%	**Dolomite** light brown, occasionally mottled, micro crystalline, moderately hard to hard, dolomite cement, tight, no shows, argillaceous to very argillaceous
2,555.00 to 2,565.00 (10.00)	70%	**Shale** predominately light green to light gray, occasionally dark gray and brown, fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, occasional glauconite, becomes very light gray mudstone
	15%	**Anhydrite** white to off white to occasionally very light green, micro crystalline, soft to moderately hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part
	15%	**Dolomite** off white to light brown, micro crystalline, soft to moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale
2,565.00 to 2,570.00 (5.00)	80%	**Shale** light gray to green gray to very light gray mudstone, occasionally brown and dark gray, fissile to sub blocky, occasionally blocky, moderately hard to hard, occasionally very hard, trace finely disseminated pyrite, occasional glauconite, rare trilobites
	15%	**Anhydrite** white to off white to occasionally light brown, micro crystalline, occasionally sucrosic, anhydrite with minor dolomite cement, tight, no shows
	5%	**Dolomite** light brown, mottled, micro crystalline, moderately hard to hard, dolomite cement, tight, no shows
2,570.00 to 2,575.00 (5.00)	70%	**Shale** light gray to light green to light gray mudstone, occasionally dark gray and brown, fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, slightly dolomitic in part, occasional glauconite in part
	10%	**Anhydrite** white to off white, micro crystalline, moderately hard, anhydrite and dolomite cement, tight, no shows
	10%	**Dolomite** off white to light brown, crypto to micro crystalline, hard, dolomite cement, tight, no shows, argillaceous in part
	10%	**Quartzite** very light green, massive, hard to very hard, slightly dolomitic, argillaceous

2,575.00 to 2,580.00 (5.00)	70%	**Shale** light green to light gray to green gray to medium gray, fissile to sub fissile, moderately hard to hard, slightly dolomitic in part, slightly silty in part, trace finely disseminated pyrite, occasionally grades to mudstone
	15%	**Quartzite** very light green to occasionally light green, massive, hard to very hard, argillaceous, slightly dolomitic in part
	10%	**Anhydrite** white to off white to light brown to occasionally green, micro crystalline, moderately hard, anhydrite cement, tight, no shows
	5%	**Dolomite** as above
2,580.00 to 2,585.00 (5.00)	70%	**Shale** predominately light gray to light green, very light gray mudstone, fissile to sub blocky, moderately hard to hard, trace finely disseminated pyrite, slightly dolomitic to dolomitic in part
	15%	**Anhydrite** white to occasionally green and light brown, micro crystalline, occasionally sucrosic, soft to moderately hard, anhydrite and dolomite cement, tight, no shows, dolomitic in part
	15%	**Dolomite** light brown to light gray, micro to occasional very fine crystalline, moderately hard, dolomite cement, tight, no shows, argillaceous to very argillaceous, grades to dolomitic shale, occasional green specks
2,585.00 to 2,600.00 (15.00)	50%	**Quartzite** white to light gray with green specks, massive, occasional visible grains, hard to very hard, slightly dolomitic in part, slightly argillaceous
	40%	**Shale** light to medium gray to light to medium green to occasionally brown, very light gray mudstone, fissile to sub blocky, moderately hard to hard, trace green specks, occasional finely disseminated pyrite, loose quartz crystals
	10%	**Anhydrite** white, micro crystalline, soft to moderately hard, anhydrite cement, tight, no shows

Wireline Logging Summary

Storage Units: Metric

Logging Suite Number: 1
Wireline Logging Company: Schlumberger
District: Norman Wells
Witness: Bob Cahill

Engineer: Shady Kabel
Unit Number: 8416

Was Pressure Control Equipment Utilized: No
Was the Logging Job Mechanically Assisted: No

Maximum Deviation: 2.100 °
Hole Size: 311.0

Total Lost Time:
Loggers' Total Down Time:
Total Job Time (From Rig up to Rig down): 12.00

	Measured Depth	True Vertical Depth
Casing Depth Driller	99.50	99.50
Casing Depth Logger	99.50	99.50
Total Depth Driller (Tally)	517.50	517.50
Total Depth Driller (Strap or SLM)		

General Remarks:

Logging Run #: 1
Date: Jan 15, 2002

Drilling Fluid Data

Drilling Fluid Type: Gel Chemical
Fluid Density: 1080.0 **Viscosity:** 78 **pH:** 10.0 **Fluid Loss:** 7.8

Mud Resistivity (Rm): 0.91 @ 21.0 °
Mud Resistivity (Rm) @ BHT: 0.73 @ 31.0 °
Mud Filtrate Resistivity (Rmf): 0.67 @ 16.0 °
Mud Cake Resistivity (Rmc): 1.03 @ 18.0 °

Maximum Temperature: 31.0 °
Source (Rmf): Flowline
Source (Rmc): Flowline

Logging Run Information

Date on Bottom: Jan 15, 2002
Total Depth Logger: 517.80 (MD) 517.80 (TVD)

Logging Tools: DLT-MSFL-BHC-GR; 517.8 - 99.5 m; good run
DIT-LDT-CNL-MLT-GR; 517.8 - 99.5 m; good run
FMI-GR; 517.8 - 99.5 m; good run

Remarks:

Hole Conditions: Very good

Wireline Logging Summary

Storage Units: Metric

Logging Suite Number: 2
Wireline Logging Company: Schlumberger
District: Norman Wells
Witness: Bob Cahill

Engineer: Shady Kabel/Kelly Berner
Unit Number: 8416

Was Pressure Control Equipment Utilized: No
Was the Logging Job Mechanically Assisted: No

Maximum Deviation: 7.300 °
Hole Size: 222.0

Total Lost Time:
Loggers' Total Down Time:
Total Job Time (From Rig up to Rig down): 39.00

	Measured Depth	True Vertical Depth
Casing Depth Driller	517.50	517.28
Casing Depth Logger	517.50	517.28
Total Depth Driller (Tally)	1,857.00	1,855.02
Total Depth Driller (Strap or SLM)	1,857.18	

General Remarks: Run #2 logs were tied into the logs from run #1.

Logging Run #: 1
Date: Feb 13, 2002

Drilling Fluid Data

Drilling Fluid Type: Gel Chemical
Fluid Density: 1070.0 **Viscosity:** 56 **pH:** 10.0 **Fluid Loss:** 8.6

Mud Resistivity (Rm): 0.75 @ 25.0 °
Mud Resistivity (Rm) @ BHT: 0.53 @ 45.0 °
Mud Filtrate Resistivity (Rmf): 0.68 @ 15.0 °
Mud Cake Resistivity (Rmc): 1.20 @ 12.0 °

Maximum Temperature: 45.0 °
Source (Rmf): Flowline
Source (Rmc): Flowline

Logging Run Information

Date on Bottom: Feb 14, 2002
Total Depth Logger: 1,857.00 (MD) 1,857.00 (TVD)

Logging Tools: DLT-MSFL-BHC-GR; 1857 - 517.5 m; good run
DIT-LDT-CNL-MLT-GR; 1857 - 517.5 m; good run
FMI-GR; 1857 - 517.5 m; good run
MDT-GR; 1309.8 - 645.5 m; 5 successful pressures and 1 sample

Remarks: MDT run in probe mode as packers were not available. Many lost packer seats likely due to fractures as seats were achieved in anhydrite and casing. Packer was like new when tool rigged out at surface.

Hole Conditions: Very good, 10 stand wiper trip prior to tripping out. Circulate 1.5 hours prior after wiper trip.

Wireline Logging Summary

Storage Units: Metric

Logging Suite Number: 3
Wireline Logging Company: Schlumberger
District: Norman Wells
Witness: Bob Cahill

Engineer: Shadi Kabel
Unit Number: 8416

Was Pressure Control Equipment Utilized: No
Was the Logging Job Mechanically Assisted: No

Maximum Deviation: 9.000 °
Hole Size: 156.0

Total Lost Time:
Loggers' Total Down Time:
Total Job Time (From Rig up to Rig down):

	Measured Depth	True Vertical Depth
Casing Depth Driller	1,854.08	1,852.10
Casing Depth Logger	1,852.00	1,850.02
Total Depth Driller (Tally)	2,600.00	2,596.22
Total Depth Driller (Strap or SLM)	2,599.47	

General Remarks:

Logging Run #: 3
Date: Mar 8, 2002

Drilling Fluid Data

Drilling Fluid Type: Salt Saturated
Fluid Density: 1270.0 **Viscosity:** 120 **pH:** 10.0 **Fluid Loss:** 8.5

Mud Resistivity (Rm): 0.05 @ 19.0 °
Mud Resistivity (Rm) @ BHT: 0.03 @ 65.0 °
Mud Filtrate Resistivity (Rmf): 0.04 @ 11.0 °
Mud Cake Resistivity (Rmc): 0.06 @ 15.0 °

Maximum Temperature: 65.0 °
Source (Rmf): Press
Source (Rmc): Press

Logging Run Information

Date on Bottom: Mar 9, 2002
Total Depth Logger: 2,601.50 (MD) 2,597.71 (TVD)

Logging Tools: DLT-CNL-LDT-Pe-MSFL-MLT-SP-GR-XYCAL; 2601.5 - 1852 m; good run
FMI-BHCS-GR-CAL; 2601.5 - 1852 m; good run

Remarks:

Hole Conditions: Tight on wiper trip but very good on main trip out

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Core Report

Storage Units: Metric

Date: Jan 10,2002
Core #: 1
Formations Cored: Hume

Cored Interval

From:	327.00	**To:**	345.00	
Cut:	18.00	**Recovered:**	18.00	100.00%
Core Diameter:	89.0			

Coring Company: Foothills Diamond Coring Inc.
Service Representative: Al Potter

Core Bit Information

Bit Make:	FDC	**Bit Type:**	L/I STPX
Bit Size (OD):	165.0	**Serial #:**	L1-102
Original Hole Size:	311.0		

Remarks: Times:
10,11,14,11,11/13,15,15,15,10/10,11,12,10,7/11,12,10,10,10/9,9,9,11;11/8,9,12,12,13/
13,15,15,13,13/13,13,15,6,6/5,6,4,4,6/7,6,7,7,8/10,5,5,4,7/5,5,6,5,5/5,4,6,5,5,/5,6,6,4,3
/5,6,6,6,6/6,7,7,6,8/9,8,6,7,11/10,8,6,6,8

Detailed Core Descriptions

327.00 to 328.59 (1.59) **Limestone**
light to medium brown, micro crystalline, hard to very hard, calcite cement, tight to rare very poor pin point porosity, very spotty bright yellow fluorescence and bleeding oil along micro fractures and pin point porosity, trace to common calcite filled fractures and micro fractures, trace bitumen filled stylolites, abundant fossils (crinoids, massive stromatoporoids, and tabular stromatoporoids)

328.59 to 332.73 (4.14) **Limestone**
tan, crypto crystalline, very hard, calcite cement, tight, very scattered spotty fluorescence and very minor bleeding oil along micro fractures, abundant calcite filled fractures and micro fractures, trace sparry calcite, occasional pyrite

332.73 to 345.00 (12.27) **Limestone**
medium to occasionally dark brown, slightly mottled in part, micro crystalline, very hard, calcite cement, tight to occasional very poor ineffective pin point and vuggy porosity, very poor fracture porosity, scattered spotty bright yellow fluorescence and bleeding oil along micro fractures, trace to common calcite filled fractures and micro fractures, trace bitumen filled stylolites, common to abundant fossils (massive stromatoporoids, tabular stromatoporoids), trace sparry calcite, occasionally very argillaceous

Drill Stem Test Report

Storage Units: Metric

Run #:	1	**Date:**	Jan 16, 2002
Test #:	1	**Misrun:**	
Test Company:	Weatherford	**Closed Chamber Company:**	
Representative:	Alberto Scarione	**Representative:**	
Unit #:		**K.B. Elevation:**	160.30
Test Type:	Inflate Straddle		

Formations Tested **From the:** Arnica
To the: Hume

Test Interval: **From:** 462.00 (MD) **To:** 475.00 (MD) (13.00)
From: 462.00 (TVD) **To:** 475.00 (TVD) (13.00)

Total Depth: 517.50 (MD) 517.50 (TVD) ***(At the time of the Test)***

String Configuration:

Drilling Fluid Type and Properties: MD: 1080 pH: 10
VIS: 76 WL: 7.8

Cushion Type / Amount: None

Hole Condition: Very good

Bottom Hole Temperature: 36.0 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		5,236.0		
Flow 1	499.0	448.0	6	Dead. Also real time not working.
Shut-in 1		4,229.0	17	Real time started to work.
Flow 2	596.0	660.0	5	Dead.
Shut-in 2		4,240.0	52	
Final Hydrostatic		5,120.0		

Recovery: 35 m drilling mud

Analyses:

Remarks: Test was plugging on final flow period, the test was shutin for a final buildup and tripped to check recovery. No bubbles present at the bubble pail during the flow periods. Real time data used but only started working on the second flow.

Drill Stem Test Report

Storage Units: Metric

Run #:	2	**Date:**	Jan 17, 2002
Test #:	2	**Misrun:**	
Test Company:	Weatherford	**Closed Chamber Company:**	
Representative:	Alberto Scarione	**Representative:**	
Unit #:		**K.B. Elevation:**	160.30
Test Type:	Inflate Straddle		

Formations Tested **From the:** Arnica
To the: Hume

Test Interval: **From:** 462.00 (MD) **To:** 475.00 (MD) (13.00)
From: 462.00 (TVD) **To:** 475.00 (TVD) (13.00)

Total Depth: 518.50 (MD) 518.50 (TVD) ***(At the time of the Test)***

String Configuration:

Drilling Fluid Type and Properties: MD: 1085 pH: 10
VIS: 61 WL: 7.5

Cushion Type / Amount: None

Hole Condition: Very good

Bottom Hole Temperature: 36.0 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		5,138.0		
Flow 1	456.0	2,961.0	90	WAB increasing to bottom of pail in 13 minutes. NGTS. Released for 10 minutes, closed again and WAB in 3 minutes increasing to bottom of pail in 17 minutes. NGTS. After viewing charts plugging was observed during flow period.
Shut-in 1		4,254.0	182	
Final Hydrostatic		5,123.0		

Recovery: 46 m drilling fluid and 20 m muddy water

Analyses: Drilling mud filtrate = 550 mg/l chlorides
Recovered fluid = 13,000 mg/l chlorides

Remarks: Good test but plugging occurred during the flow period. Real time tool was not working. Samples sent to Core Labs. Samplers drained on location.

Drill Stem Test Report

Storage Units: Metric

Run #:	3	**Date:**	Jan 17, 2002
Test #:	3	**Misrun:**	
Test Company:	Weatherford	**Closed Chamber Company:**	
Representative:	Alberto Scarione	**Representative:**	
Unit #:		**K.B. Elevation:**	160.30
Test Type:	Inflate Straddle		

Formations Tested **From the:** Hume
To the: Hume

Test Interval: **From:** 320.00 (MD) **To:** 333.00 (MD) (13.00)
From: 320.00 (TVD) **To:** 333.00 (TVD) (13.00)

Total Depth: 518.50 (MD) 518.50 (TVD) ***(At the time of the Test)***

String Configuration:

Drilling Fluid Type and Properties: MD: 1085 pH: 10
VIS: 61 WL: 7.5

Cushion Type / Amount: None

Hole Condition: Very good

Bottom Hole Temperature: 29.0 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		3,590.0		
Flow 1	428.0	476.0	4	WAB increasing to FAB in 1 minute. NGTS.
Shut-in 1		2,798.0	57	
Flow 2	522.0	1,162.0	58	WAB in 1 minute, increasing slightly throughout. NGTS.
Shut-in 2		2,800.0	119	
Final Hydrostatic		3,576.0		

Recovery: 63 m drilling fluid

Analyses: Drilling filtrate = 550 mg/l chlorides
Recovery filtrate = 4200 mg/l chlorides

Remarks: Good test. Samples sent to Core Labs. Samplers drained on location. No obvious water recovered yet when the recovery samples are pressed the filtrate indicates a formation water recovery not a drilling filtrate.

Drill Stem Test Report

Storage Units: Metric

Run #:	4	**Date:**	Jan 18, 2002
Test #:	4	**Misrun:**	
Test Company:	Weatherford	**Closed Chamber Company:**	
Representative:	Alberto Scarione	**Representative:**	
Unit #:		**K.B. Elevation:**	160.30
Test Type:	Inflate Straddle		

Formations Tested **From the:** Hume
To the: Hume

Test Interval: **From:** 320.00 (MD) **To:** 327.00 (MD) (7.00)
From: 320.00 (TVD) **To:** 327.00 (TVD) (7.00)

Total Depth: 518.50 (MD) 518.50 (TVD) ***(At the time of the Test)***

String Configuration:

Drilling Fluid Type and Properties: MD: 1085 pH: 9.0
VIS: 61 WL: 7.5

Cushion Type / Amount: None

Hole Condition: Very good

Bottom Hole Temperature: 29.0 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		3,596.0		
Flow 1	423.0	2,227.0	180	WAB increasing to bottom of pail in 5 minutes then decreasing to WAB throughout. NGTS.
Shut-in 1		2,810.0	44	
Final Hydrostatic		3,501.0		

Recovery: 20 m drilling mud
90 m muddy brackish water

Analyses: Drilling fluid filtrate = 550 mg/l chlorides
Recovered fluid = 10,000 mg/l chlorides

Remarks: Good test. Samples sent to Core Labs. Samplers drained on location.

Drill Stem Test Report

Storage Units: Metric

Run #:	5	**Date:**	Mar 10, 2002
Test #:	5	**Misrun:**	
Test Company:	Weatherford	**Closed Chamber Company:**	Weatherford
Representative:	Troy McKenzie	**Representative:**	Duane Ricalton
Unit #:	C-Can	**K.B. Elevation:**	160.30
Test Type:	Dual Inflate Straddle		

Formations Tested **From the:** **Mount Cap**
To the: **Mount Cap**

Test Interval: **From:** 2,298.50 (MD) **To:** 2,326.00 (MD) (27.50)
From: 0.00 (TVD) **To:** 0.00 (TVD) (0.00)

Total Depth: 2,600.00 (MD) 2,596.22 (TVD) ***(At the time of the Test)***

String Configuration: See DST Report

Drilling Fluid Type and Properties: MD: 1270 Vis: 70
pH: 10.5 WL: 7.2

Cushion Type / Amount: 600 m water cushion

Hole Condition: Poor

Bottom Hole Temperature: 62.4 ° **Tool Chased Distance:** **Mud Drop:**

Period	Intitial Pressure	Final Pressure	Times	Flow Description
Initial Hydrostatic		28,577.0		
Flow 1	6,583.0	6,592.0	7	Closed chamber mode. Gained 0.7 kpa of surface pressure over 7 mins. dP/dT: 0.1 kPa/min.
Shut-in 1		18,395.0	300	Did not build up fully.
Flow 2				lost packer seat upon cycling tool for final flow.
Final Hydrostatic		28,386.0		

Recovery: 2 m drilling fluid

Analyses:

Remarks: Samples sent to AGAT Labs. All pressure data taken from outside recorder #434 at a depth of 2300.83 m. Lost packer seat upon cycling tool for final flow. Real time data was run.

E. APPENDICES TO WELL HISTORY

(See Table of Contents)

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/02 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 0 / DAY # 1

Status at: 08:00 Hrs: MOVE RIG

24 Hour Summary: MOVE RIG TO 2000HRS. RIG UP TO2200HRS.

DEPTH m	PROGRESS m	PBTD m	TEMP: °C, WEATHER: -20ÝC LT. SNOW
KB: 160.30 m	GRD: 154.10 m	LAST CSG: mm@ m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $26,421
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $26,421
MUD TYPE:	MUD CO.:		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN	SIZE
OVERFLOW											
UNDERFLOW											

Total Length:

LAST: PRESS TEST: / BOP DRILL: / SAFETY MEET: 1/02/02 / RIG INSPECT:

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)

1. RU / TO	14.00	14.00	6. TRIPPING			11. LOGGING			16. FISHING		
2. DRILLING			7. RIG SERVICE			12. RUN/CMT CSG			17. PLUG BACK		
3. REAMING			8. RIG REPAIR			13. WOC			18.		
4. CORING			9. SLIP LINE			14. HEAD UP BOP			19.		
5. CIRC. / COND.			10. SURVEYING			15. DST			20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: / daN WEAK LINK:

Remarks : DIRECTIONS TO LOCATION:FROM NORMAN WELLS 34KM WEST NORTHWEST ON WINTER ROAD TO FORT GOODHOPE TURN LEFT FOLLOW ROAD ACCROSS MACKENZIE RIVER FOLLOW TRAIL 33KM TO LOCATION. DRILLING SUPERVISOR KEN RAE SATELLITE PHONE # 011 8816 314 21128. RIG MANAGER: RICK PARKER SATELLITE PHONE # 600 700 7270 FAX # 600 700 9288. LEASE ROAD AND LEASE ARE IN GOOD SHAPE. SHOULD SPUD @ JANUARY 4/02. RIG MOVE SHOULD BE DONE JAN. 03/02. WELLSITE TRAILERS ARE FILTHY. NOT IN GOOD SHAPE. HELD A SAFETY MEETING WRIG CREWS AND TRUCKERS.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/03 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 0	DAY # 2

Status at: 08:00 Hrs: Rig move

24 Hour Summary: MIRU ROTARY TOOLS. FIRE BOILER. INSPECT & RAISE DERRICK @ 1700HRS.CONTINUE RIG UP.

DEPTH m	PROGRESS 0.00 m	PBTD m	TEMP: -20 °C, WEATHER: LT SNOW
KB: 160.30 m	GRD: 154.10 m	LAST CSG: mm@ m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $26,421
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $26,421
MUD TYPE:	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length:
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW											LAST: PRESS TEST:
UNDERFLOW											BOP DRILL:
											SAFETY MEET: 1/03/02
											RIG INSPECT:

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)

1. RU / TO	14.00	14.00	6. TRIPPING	0.00	11. LOGGING	0.00	16. FISHING	0.00
2. DRILLING	0.00	0.00	7. RIG SERVICE	0.00	12. RUN/CMT CSG	0.00	17. PLUG BACK	0.00
3. REAMING	0.00	0.00	8. RIG REPAIR	0.00	13. WOC	0.00	18.	
4. CORING	0.00	0.00	9. SLIP LINE	0.00	14. HEAD UP BOP	0.00	19.	
5. CIRC. / COND.	0.00	0.00	10. SURVEYING	0.00	15. DST	0.00	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: / daN WEAK LINK:

Remarks :

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/04 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 0 / DAY # 2

Status at: 08:00 Hrs: RIG UP

24 Hour Summary: MIRU ROTARY TOOLS. FIRE BOILER. INSPECT & RAISE DERRICK @ 1700HRS.CONTINUE RIG UP.

DEPTH m	PROGRESS 0.00 m	PBTD m	TEMP: -20 °C, WEATHER: LIGHT SNOW
KB: 160.30 m	GRD: 154.10 m	LAST CSG: mm@ m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $27,881
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $54,302
MUD TYPE:		MUD CO.: CONCORD	

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	LAST
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	PRESS TEST:
OVERFLOW											BOP DRILL:
UNDERFLOW											SAFETY MEET: 1/03/02
											RIG INSPECT:

Total Length:

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)

1. RU / TO	14.00	28.00	6. TRIPPING	0.00	11. LOGGING	0.00	16. FISHING	0.00
2. DRILLING	0.00		7. RIG SERVICE	0.00	12. RUN/CMT CSG	0.00	17. PLUG BACK	0.00
3. REAMING	0.00		8. RIG REPAIR	0.00	13. WOC	0.00	18.	
4. CORING	0.00		9. SLIP LINE	0.00	14. HEAD UP BOP	0.00	19.	
5. CIRC. / COND.	0.00		10. SURVEYING	0.00	15. DST	0.00	20.	

HOLE DRAG: daN | TORQUE: | ACT / ALLOW HOOK LOAD: / daN | WEAK LINK:

Remarks : HELD A SAFETY MEETING W/ALL PERSONNEL. PIN DERRICK. SPOT ALL RIG LOADS. RIG UP. INSPECT AND RAISE DERRICK @ 1700HRS. CONTINUE RIG UP. WILL BREAK TOUR JAN.4/02. EXPECT TO SPUD LATE JAN. 4/02. TRUCKS RELEASED @ 1800HRS JAN.3/02. PICKER STILL ON LOCATION TO SPOT CENTRIFUGES. CENTRIFUGE TANK TO BE UTILIZED AS A SHALE TANK & WILL REQUIRE MODIFICATIONS TO MAKE IT WORK.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128

Tel1: 011 8816 314 21

A/I: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/05 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 0	DAY # 3

Status at: 08:00 Hrs: MIX SPUD MUD

24 Hour Summary: BREAK TOUR @ 0800HRS JAN.4/02. RIG UP,CEMENT 1ST CONDUCTOR,WOC,WELD RISER.

DEPTH m	PROGRESS 0.00 m	PBTD m	TEMP: -20 °C, WEATHER: CLEAR
KB: 160.30 m	GRD: 154.10 m	LAST CSG: mm@ m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $89,484
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $143,786
MUD TYPE:		MUD CO.: CONCORD	

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER		Total Length:
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE		PRESS TEST:
OVERFLOW											LAST	BOP DRILL:
UNDERFLOW												SAFETY MEET: 1/03/02
												RIG INSPECT:

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)

1. RU / TO	4.00	32.00	6. TRIPPING		0.00	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING		0.00	7. RIG SERVICE		0.00	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC	5.00	5.00	18. CEMENT COND.	2.00	
4. CORING		0.00	9. SLIP LINE		0.00	14. HEAD UP BOP		0.00	19. WELD RISER	5.00	
5. CIRC. / COND.		0.00	10. SURVEYING		0.00	15. DST		0.00	20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: / daN WEAK LINK:

Remarks : RIG UP. WELD CEMENTING PLATE ON CONDUCTOR. HAD MEETING W/STEVE W/INDIAN AND NORTHERN AFFAIRS. DISCUSSED ANY CONCERNS. HELD A SFETY MEETING W/RIG CREW AND SCHLUMBERGER. RIG TO & CEMENT 508MM CONDUCTOR W/ 4M3 H20 SPACER, MIXED 7.7TONNE OF ARCTIC SET + 12%BWOW D-44 + 0.5%D-65 + 0.5% D-13 + 0.2% D-46. DISPLACED W/1.8M3 H2O. STOPPED DISPLACEMENT @ 1343HRS JAN.4/02. SHUT IN. 1.8M3 GOOD CEMENT RETURNS. W.O.C. WELD ON CONDUCTOR RISER. FILL MUD TANKS.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128

Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/06 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 1 / DAY # 4

Status at: 08:00 Hrs: REAM PILOT HOLE TO 445MM.

24 Hour Summary: Weld riser,mix mud. make up bha. sfty mtg. Spud @ 1100hrs, Drill to 52m. Trip to & run pilot bit. Drill.

DEPTH 71.00 m	PROGRESS 71.00 m	PBTD m	TEMP: -28 °C, WEATHER: CLEAR
KB: 160.30 m	GRD: 154.10 m	LAST CSG: mm@ m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $252,471
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $396,257
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
22:30	57.00	1070	52							10.5						

Mud Additives

Product	Amount	Units
CAUSTIC SODA	1	SX
BENTONITE NATURAL GEL	42	SX
SODA ASH	1	SX
BICARBONATE OF SODA	7	SX
SUPERVISION	3	

DEVIATION SURVEYS (Degrees@Depth)

1.88 @ 30
1.88 @ 50
1.5 @ 57
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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
BIT	311.00		0.35
BIT SUB	227.00		1.21
2 DRILL COLLARS	219.00		18.59
XO	212.00		0.44
XO	202.00		0.81
4 DRILL COLLARS	158.00		36.65
KELLY			13.15

MUD LOSSES: DAILY 0.00 m³ / CUM: 0.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 71.20
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST:
OVERFLOW										120/120/120	BOP DRILL:
UNDERFLOW											SAFETY MEET: 1/05/02
											RIG INSPECT: 1/05/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
1	445	SEC S33S	680900	19	19	19	22	52	30	5.75	52	5.75	5.2	4/10	200	1	1	WT	A	E	0	NO	DEV
2	311	SII FDT	MJ3597	19	19	19	52		19	3.50	71	9.25	5.4	3	180								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP	JET VEL (m/sec)
8P80	216	152	105	1.239	3000	8P80	216	152	105	1.239	3000	44.5		

1. RU / TO		0.00	6. TRIPPING		96.50	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	21.50	267.00	7. RIG SERVICE	0.75	17.25	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING		78.00	8. RIG REPAIR		2.00	13. WOC		4.00	18. BOP Drill	0.25	
4. CORING		13.00	9. SLIP LINE		1.50	14. HEAD UP BOP		18.00	19.		
5. CIRC. / COND.		22.50	10. SURVEYING	1.50	19.50	15. DST		38.25	20.		

HOLE DRAG: 2000 daN | TORQUE: 450 | ACT / ALLOW HOOK LOAD: 24000 / daN | WEAK LINK:

Remarks : WELD CONDUCTOR RISER TO CELLAR. MIX SPUD MUD. MAKE UP BHA(PICK UP 9" COLLARS). DRILL CEMENT. SPUDDED W/445MMBIT @ 1100HRS JAN.5/02. DRILL AHEAD TO 30M. REMOVE AND CLEAN FLOWLINE. DRILL AND SURVEY 30M - 52M. TRIP TO RUN 311MM PILOT BIT DUE TO DEVIATION. DRILL AND SURVEY PILOT HOLE 52M - 71M @ 2400HRS.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128

Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/07 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 2 / DAY # 5

Status at: 08:00 Hrs: WOC. CUT CONDUCTOR & WELD ON COMPANION FLANGE.

24 Hour Summary: Drill pilot hole. Trip. Ream pilot hole. Drill to TD. Wiper trip. Hoist to & run csg. Circ & cement csg.

DEPTH 99.50 m	PROGRESS 29.00 m	PBTD m	TEMP: -25 °C, WEATHER: CLEAR
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $754,235
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $1,150,492

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
14:50	99.50	1120	84	14	36	12	18	20+	2	10.5	.075		850	300		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	17	sx
SUPERVISION	1	DAY

DEVIATION SURVEYS (Degrees@Depth)

1.50 @ 67
1.25 @ 77
1.25 @ 85
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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	445.00		0.44
Bit Sub	227.00		1.09
2 DC	219.00		18.59
XO	212.00		0.44
XO	202.00		0.81
7 DC's	158.00		64.96
Kelly	114.00		13.15

MUD LOSSES: DAILY m³ / CUM: 0.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 99.48
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST:
OVERFLOW										120 120 120	BOP DRILL:
UNDERFLOW										120 120 120	SAFETY MEET: 1/06/02
											RIG INSPECT: 1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
2	311	SII FDT	MJ3597	19	19	19	52	90	38	8.00		8.00	4.75	3	175	1	1	WT	A	E	0	NO	PR
1RR	445	SEC S33S	680900	19	19	19	52	100	48	4.50	100	7.00	14.28	5	175	1	1	WT	A	E	0	NO	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP	JET VEL (m/sec)
8P80	216	152	105	1.239	4000	8P80	216	152	105	1.239	4000	44.5		46.2

1. RU / TO			6. TRIPPING	3.25	3.25	11. LOGGING			16. FISHING		
2. DRILLING	5.75	5.75	7. RIG SERVICE	0.75	0.75	12. RUN/CMT CSG	5.00	5.00	17. PLUG BACK		
3. REAMING	3.25	3.25	8. RIG REPAIR			13. WOC	0.25	0.25	18. SFTY MTG.	0.50	
4. CORING			9. SLIP LINE			14. HEAD UP BOP			19.		
5. CIRC. / COND.	4.00	4.00	10. SURVEYING	1.25	1.25	15. DST			20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 24000 / daN WEAK LINK:

Remarks : DRILL & SURVEY 311MM PILOT HOLE 71M - 90M. HOIST TO RUN 445MM BIT.(LAY DOWN 4 COLLARS). REAM PILOT HOLE W/445MM BIT TO 90MKB. DRILL AHEAD TO 99.5MKB. CONDUTCTOR TD @ 1145HRS JAN.6/02. CIRC & CONDTION MUD. HOLE PULLING TIGHT. WIPER TRIP TO BIT. STRAP OUT. TALLY 86.33M STRAP 86.24M. CIRC HOLE CLEAN. SURVEY & HOIST TO RUN CSG. HELD A SAFETY MEETING W/RIG CREW AND RIG SERVICE TONG HAND. RAN 7 JOINTS OF 339.7MM,81.1KG/M,J-55 NEW CASING W/GUIDE SHOE & FLOAT COLLAR. TOTAL CASING 100.37M, LANDED @ 99.50MKB. CIRCULATE HOLE CLEAN. SCHLUMBERGER CEMENTED W/3M3 H2O PREFLUSH. MIXED 18TONNES OF ARCTIC SET + 12%BWOW D-44+.5%D-65 +.55D-13 + % D-46. 12.2OM3 SLURRY @ 1880 KG/M3. DROPPED WOODEN PLUG AND DISPLACED W/7M3 H20. BUMPED PLUG W/4500 kPa @ 646HRS JAN.6/02. 2M3 GOOD CEMENT RETURNS. FLOAT NOT HOLDING. RE-BUMP AND SHUT IN. WAIT ON CEMENT.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/08 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 3 / DAY # 6

Status at: 08:00 Hrs: Circulate sample @ 164m. (probable core point).

24 Hour Summary: WOC,Weld on flange. Nipple up. RIH,P/T.Drill out. Displace to mud. Drill & Survey 99.5m - 138m.

DEPTH 138.00 m	PROGRESS 38.00 m	PBTD m	TEMP: -20 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $53,766
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $1,204,258
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
03:50	150.00	1060	51	17	7	4	12	12.2	1.5	10	.04		900	240		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	3	sx
SUPERVISION	1	DAY
BICARBONATE OF SODA	3	sx
SODA H	3	sx

DEVIATION SURVEYS (Degrees@Depth): .88 @ 103

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	445.00		0.35
Bit Sub	227.00		1.21
2 DC	219.00		18.59
XO	212.00		0.44
XO	202.00		0.81
12 DC's	158.00		111.06
Kelly	114.00		5.54

MUD LOSSES: DAILY m³ / CUM: 0.00 m³

Total Length: 138.00

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW		1035	16.00							120 120 120	
UNDERFLOW	.5	1810	16.00							120 120 120	

LAST

PRESS TEST:	1/07/02
BOP DRILL:	1/07/02
SAFETY MEET:	1/06/02
RIG INSPECT:	1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
4RR	311	SII FDT	MJ3597	19	19	19	100		38	7.75	38	7.75	4.9	10	150								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP	JET VEL (m/sec)
8P80	216	152	105	1.239	4000	8P80	216	152	105	1.239	4000	44.5		46.2

1. RU / TO		0.00	6. TRIPPING	0.75	4.00	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING	7.25	13.00	7. RIG SERVICE	0.25	1.00	12. RUN/CMT CSG		5.00	17. PLUG BACK		0.00
3. REAMING		3.25	8. RIG REPAIR		0.00	13. WOC	4.75	5.00	18. BOP DRILL	0.25	
4. CORING		0.00	9. SLIP LINE		0.00	14. HEAD UP BOP	8.50	8.50	19. DRILL OUT	1.50	
5. CIRC. / COND.	0.50	4.50	10. SURVEYING	0.25	1.50	15. DST		0.00	20.		

HOLE DRAG: daN | TORQUE: | ACT / ALLOW HOOK LOAD: 24000 / 90000 daN | WEAK LINK: DRILL PIPE

Remarks : WOC. (Strip mud back w/ 1 centrifuge). Cut conductor and weld on companion flange. Nipple up diverter.Held a BOP drill w/crew. Run in hole w/bit #4RR. Break circulation. Pressure test diverter. Drill out @ 1430hrs Jan.7/02. Displace hole to mud. Drill and survey 99.5m - 138m.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45			DATE: 2002/01/09 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 4	DAY # 7

Status at: 08:00 Hrs: Drilling ahead @ 319m.

24 Hour Summary: Drill & survey 138m - 164m. Circ. Sample. Drill(fanning) & survey 164m - 273m.

DEPTH 273.00 m	PROGRESS 135.00 m	PBTD m	TEMP: -18 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $1,532,162
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $2,736,420
MUD TYPE: GEL/CHEM		MUD CO.: CONCORD	

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:45	310.00	1100	64	15	8	4	12	8	1.5	9	.063	58	800	60		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	40	sx
SODA ASH	4	sx
AQUAPAC	6	sx
LIGNITE	6	sx
DESCO	2	sx
SUPERVISION	1	Days

DEVIATION SURVEYS (Degrees@Depth)

1.00 @ 135
1.18 @ 159
1.88 @ 187
1.88 @ 214
1.50 @ 252
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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.35
Bit sub	227.00	78.00	1.21
2 DC's	219.00	80.00	18.59
XO	212.00	75.00	0.44
XO	202.00	75.00	0.81
18 DC's	158.00	60.00	165.59
XO	154.00	60.00	0.28
8 HWDP	104.00	70.00	73.61
KELLY	101.60		13.08

MUD LOSSES: DAILY m³ / CUM: 0.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 273.96
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 1/07/02
OVERFLOW		1070	24.00							120 120 120	BOP DRILL: 1/07/02
UNDERFLOW	.5	1640	24.00							120 120 120	SAFETY MEET: 1/08/02
											RIG INSPECT: 1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
4RR	311	SII FDT	MJ3597	19	19	19	100		135	21.00	174	28.75	6.052	4/6	150	O.	B.	D.					

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP	JET VEL (m/sec)
8P80	216	152	105	1.239	8900	8P80	216	152	105	1.239	8900	44.5		42

1. RU / TO			6. TRIPPING			11. LOGGING			16. FISHING		
2. DRILLING	21.50	21.50	7. RIG SERVICE	0.75	0.75	12. RUN/CMT CSG			17. PLUG BACK		
3. REAMING			8. RIG REPAIR			13. WOC			18.		
4. CORING			9. SLIP LINE			14. HEAD UP BOP			19.		
5. CIRC. / COND.	0.50	0.50	10. SURVEYING	1.25	1.25	15. DST			20.		

HOLE DRAG: 1-4000 daN | TORQUE: 1050 | ACT / ALLOW HOOK LOAD: 35000 / 90000 daN | WEAK LINK: DRILL PIPE

Remarks : Drill and survey 138m - 164m. Circulate sample. Drill and survey 164m -274m. Fired boiler #2 @ 1400hrs. Held a fire drill w/both crews in camp. 214m3 on site mud tankage.
0800hrs update: Drill (fanning) and survey 273m - 319m.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/10 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 5 / DAY # 8

Status at: 08:00 Hrs: Coring @ 335mkb.

24 Hour Summary: Drill & survey 273m - 320m. Circ. Trip bit. Ream in. Drill ahead to 327m. Circ. POOH f/core bbls. RIH. Circ.

DEPTH 327.00 m	PROGRESS 54.00 m	PBTD m	TEMP: -11 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $49,204
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $2,785,624
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:30	331.00	1100	68	21	13	3	10	7.2	1	9.5	.063	60	750	60		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	24	sx
CAUSTIC SODA	1	sx
DESCO	1	sx
AQUAPAC	1	sx
SUPERVISION	1	Day

DEVIATION SURVEYS (Degrees@Depth)

1.75 @ 279
1.75 @ 306
1.75 @ 314
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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.35
Bit sub	227.00	0.78	1.21
2 DC's	219.00	80.00	18.59
XO	212.00	75.00	0.44
XO	202.00	0.75	0.81
18 DC's	158.00	60.00	165.59
XO	154.00	60.00	0.28
14 HWDP	101.60		128.11
Kelly	101.60		11.62

MUD LOSSES: DAILY 0.00 m³ / CUM: 0.00 m³

Total Length: 327.00

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW		1090	16.00							120 120 120	
UNDERFLOW	.5	1610	16.00							120 120 120	

LAST

PRESS TEST:	1/07/02
BOP DRILL:	1/07/02
SAFETY MEET:	1/08/02
RIG INSPECT:	1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
4RR	311	SII FDT	MJ3597	19	19	19	100	320	220	7.75	220	36.50	6.02	4/6	150	4	4	WT	A	E	0	NO	PR
5	311	SII FDSS+C	MH9095	19	19	19	320	327	7	3.00	7	3.00	2.33	4/6	150	1	1	WT	A	E	0	NO	CP

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP	JET VEL (m/sec)
8P80	216	152	105	1.239	10000	8P80	216	152	105	1.239	10000	44.5		42

1. RU / TO			6. TRIPPING	7.25	7.25	11. LOGGING			16. FISHING		
2. DRILLING	10.75	10.75	7. RIG SERVICE	0.75	0.75	12. RUN/CMT CSG			17. PLUG BACK		
3. REAMING	1.75	1.75	8. RIG REPAIR			13. WOC			18. HANDLE BHA	1.25	
4. CORING			9. SLIP LINE			14. HEAD UP BOP			19.		
5. CIRC. / COND.	1.25	1.25	10. SURVEYING	1.00	1.00	15. DST			20.		

HOLE DRAG: 2-25 daN | TORQUE: 1000 | ACT / ALLOW HOOK LOAD: 39000 / 90000 daN | WEAK LINK: DRILL PIPE

Remarks : Drill and survey 273m - 320m. Circulate bottoms up. Trip for bit. (Flow check as required). Run in w/ bit #5. Ream 141m - 164m. Work tight spots to 300m. Ream 300m - 320m. Drill ahead 320m - 327m. Circulate bottoms up. Reached core point @ 1800hrs. Hoist to pick up core bbls. (flow check as required). Strap out. Tally 293.98m Strap - 294.04m. 0.06m diff. Make up core bbls and run in hole. Strap in.Break circulation and wash to bottom. No fill.
Update to 0800hrs: Cutting core #1. 327m - 335m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/11 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 6 / DAY # 9

Status at: 08:00 Hrs: Drilling ahead @ 353m.

24 Hour Summary: Circ. Cut core #1 327m - 345m. POOH. Recover core 100%. L/d bbls. RIH w/bit. Ream rathole 327m-340m

DEPTH 345.00 m	PROGRESS 18.00 m	PBTD m	TEMP: -15 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $121,629
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $2,907,253
MUD TYPE: GEL/CHEM		MUD CO.: CONCORD	

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+	OIL (%)
04:15	348.00	1085	61	17	13	3	14	7.4	1.5	9.5	.055	62	700	50		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	88	sx
CAUSTIC SODA	2	sx
DESCO	2	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH	1	sx
LIGNITE	1	sx

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.35
Bit sub	227.00	0.78	1.21
2 DC's	219.00	80.00	18.59
XO	212.00	75.00	0.44
XO	202.00	0.75	0.81
18 DC's	158.00	60.00	165.59
XO	154.00	60.00	0.28
16 HWDP	101.60		146.35
Kelly	101.60		6.38

MUD LOSSES: DAILY 1.00 m³ / CUM: 1.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 340.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 1/07/02
OVERFLOW		1080	24.00		1065	24.00				120 120 120	BOP DRILL: 1/07/02
UNDERFLOW	.5	1690	24.00	.5	1720	24.00				120 120 120	SAFETY MEET: 1/10/02
											RIG INSPECT: 1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
6	165	FDC L/ISTP	L-I-102	8	X	7.2	327	345	18	13.00	18	13.00	1.38	2	66	1	1	LC	H		0	NO	BHA
7	311	SII FDSS+C	MH9095	19	19	19	327							6	150	RE	AM		RA	TH	O	L	E

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP	JET VEL (m/sec)
8P80	216	152	105	1.239	10000	8P80	216	152	105	1.239	10000	44.5		42

1. RU / TO		0.00	6. TRIPPING	2.75	10.00	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING		10.75	7. RIG SERVICE	0.25	1.00	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING	6.25	8.00	8. RIG REPAIR		0.00	13. WOC		0.00	18. HANDLE CORE	1.25	
4. CORING	13.00	13.00	9. SLIP LINE		0.00	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.	0.50	1.75	10. SURVEYING		1.00	15. DST		0.00	20.		

HOLE DRAG: 1-2000 daN | TORQUE: 2000 | ACT / ALLOW HOOK LOAD: 38000 / 90000 daN | WEAK LINK: DRILL PIPE

Remarks : Circulate. Cut core #1 327m - 345m. Hoist core. Flow check as required. Chain out. Recovered 18m 100%. service and lay down core bbl's. Run in w/bit. Wash to top of rathole. Ream rathole 327m - 340m.
Key safety installed LEL and H2S detectors and alarms.
Premixed Akita premix tank w/gel chem.
1m3 spill of gel chem mud. (Vacuum truck cleaned it up immediately). Hole fill hose not put on.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE
Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/12 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 7 / DAY # 10

Status at: 08:00 Hrs: Drilling pilot hole @ 409m.

24 Hour Summary: Ream rathole340m-345m. Drill & survey. POOH. Run in w/222mm pilot bit. Drill & survey pilot 355m-383m

DEPTH 383.00 m	PROGRESS 38.00 m	PBTD 1.00 m	TEMP: -12 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $65,032
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $2,972,285
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	400.00	1085	62	23	13	3	9	7.6	1.0	9.0	.055	62	750	40		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	41	sx
CAUSTIC SODA	1	sx
DESCO	1	sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE	10	sx

DEVIATION SURVEYS (Degrees@Depth): 2.15 @ 343; 1.50 @ 377; @; @; @; @; @; @; @; @; @; @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.25
Bit sub	1.55	60.00	0.86
2 DC's	219.00	80.00	
XO	212.00	75.00	
XO	202.00	0.75	
18 DC's	158.00	60.00	165.59
XO	154.00	60.00	0.28
23 HWDP	101.60		210.55
Kelly	101.60		5.47

MUD LOSSES: DAILY m³ / CUM: 1.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 383.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 1/07/02
OVERFLOW		1080	20.00		1085	20.00				120 120 120	BOP DRILL: 1/07/02
UNDERFLOW	.5	1620	20.00	.5	1640	20.00				120 120 120	SAFETY MEET: 1/10/02
											RIG INSPECT: 1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
6	165	FDC L/ISTP	L-I-102	8	X	7.2	327	345	18	13.00	18	13.00	1.38	2	66	1	1	LC	H			NO	BHA
7	311	SII FDSS+C	MH9095	19	19	19	327	355	28	16.25	35	19.25	1.8	6	150	1	1	WT	A	E	0	NO	DEV
8	222	F1OT	MJ1707	15.9	15.9	15.9	355		28	9.25	28	9.25	3.02	5/7	115								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	119	1.39	5000	8P80	216	152				73.7	24.8	39

1. RU / TO		0.00	6. TRIPPING		2.50	12.50	11. LOGGING		0.00	16. FISHING	0.00
2. DRILLING	17.25	28.00	7. RIG SERVICE		0.75	1.75	12. RUN/CMT CSG		0.00	17. PLUG BACK	0.00
3. REAMING	2.00	10.00	8. RIG REPAIR			0.00	13. WOC		0.00	18.	
4. CORING		13.00	9. SLIP LINE			0.00	14. HEAD UP BOP		0.00	19.	
5. CIRC. / COND.	1.00	2.75	10. SURVEYING		0.50	1.50	15. DST		0.00	20.	

HOLE DRAG: 2000 daN | TORQUE: 1000 | ACT / ALLOW HOOK LOAD: 36000 / 90000 daN | WEAK LINK: DRILL PIPE

Remarks : Ream rathole from 340m - 345m. Drill (fanning) and survey from 345m - 355m. Pump pill and hoist for deviation. Run in hole w/222mm pilot bit. Clean to bottom. Drill (fanning) and survey 222mm pilot hole from 355m - 383m.
Rig inspection w/Steve from DIAND. Lease and rig appear satisfactory.
0800hrs update: Drill and survey 383m - 409m. Aproximate core point Y 417m.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/13 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 8 / DAY # 11

Status at: 08:00 Hrs: Drill ahead @ 482m.

24 Hour Summary: Drill (fanning) and survey pilot hole 383m - 464m.

DEPTH 464.00 m	PROGRESS 81.00 m	PBTD m	TEMP: -12 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $46,756
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,019,041
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	473.00	1085	60	23	12	3	11	7.8	1.0	10	.055	62	750	40		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	5	sx
CAUSTIC SODA	1	sx
DESCO	1	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA H		sx
LIGNITE	1	sx
BARITE		sx

DEVIATION SURVEYS (Degrees@Depth): 1.50 @ 405; 1.75 @ 432; 0.75 @ 460; @; @; @; @; @; @; @; @; @; @; @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.25
Bit sub	1.55	60.00	0.86
2 DC's	219.00	80.00	
XO	212.00	75.00	
XO	202.00	0.75	
18 DC's	158.00	60.00	165.59
XO	154.00	60.00	0.28
31 HWDP	101.60		284.43
Kelly	101.60		13.08

MUD LOSSES: DAILY m³ / CUM: 1.00 m³

Total Length: 464.49

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	LAST
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW		1080	16.00		1080	24.00				120 120 120	PRESS TEST: 1/07/02
UNDERFLOW	1	1660	16.00	1	1680	24.00				120 120 120	BOP DRILL: 1/07/02
											SAFETY MEET: 1/10/02
											RIG INSPECT: 1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
6	165	FDC L/ISTP	L-I-102	8	X	7.2	327	345	18	13.00	18	13.00	1.38	2	66	1	1	LC	H			NO	BHA
7	311	SII FDSS+C	MH9095	19	19	19	327	355	28	16.25	35	19.25	1.8	6	150	1	1	WT	A	E		NO	DEV
8	222	SII F1OT	MJ1707	15.9	15.9	15.9	355		81	22.50	109	31.75	3.6	5/7	115								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	120	1.4	5800	8P80	216	152				73.7	24.8	39

1. RU / TO	0.00	6. TRIPPING	12.50	11. LOGGING	0.00	16. FISHING	0.00
2. DRILLING	22.50 / 50.50	7. RIG SERVICE	0.75 / 2.50	12. RUN/CMT CSG	0.00	17. PLUG BACK	0.00
3. REAMING	10.00	8. RIG REPAIR	0.00	13. WOC	0.00	18.	
4. CORING	13.00	9. SLIP LINE	0.00	14. HEAD UP BOP	0.00	19.	
5. CIRC. / COND.	2.75	10. SURVEYING	0.75 / 2.25	15. DST	0.00	20.	

HOLE DRAG: 2000 daN TORQUE: 800 ACT / ALLOW HOOK LOAD: 36000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill (fanning) and survey 383m - 464m.
Sent core #1 via Canadian North cargo to Core Labs Calgary.
0800HRS UPDATE: Drill and survey 222mm pilot hole from 464m - 482m.

Daily Drilling Report

EOG Resources Canada

Tel2: - 128
Consultant : KEN RAE Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/14 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 9	DAY # 12

Status at: 08:00 Hrs: Ream pilot hole @ 392m.

24 Hour Summary: Drill to 473m Circ. sample. Drill to 485m. Mix LCM pill. Drill to 510m. Trip to ream. Run in hole. w/311mmbit.

DEPTH 510.00 m	PROGRESS 46.00 m	PBTD m	TEMP: -21 °C, WEATHER:
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $62,385
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,081,426

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+	OIL (%)
04:15	370.00	1085	62	23	12	3	12	8.2	1.5	9.5	.055	64	750	80		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	35	sx
CAUSTIC SODA	1	sx
DESCO	3	sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH	6	sx
LIGNITE		sx
BARITE		sx
SAWDUST	22	
KWIK SEAL	4	

DEVIATION SURVEYS (Degrees@Depth): 0.75 @ 460; 1.00 @ 478; @; @; @; @; @; @; @; @; @; @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.25
Bit sub	1.55	60.00	0.86
2 DC's	219.00	80.00	
XO	212.00	75.00	
XO	202.00	0.75	
18 DC's	158.00	60.00	165.59
XO	154.00	60.00	0.28
36 HWDP	101.60	70.00	330.41
Kelly	101.60		13.08

MUD LOSSES: DAILY 3.50 m³ / CUM: 5.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 510.47
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 1/07/02
OVERFLOW		1080	24.00		1080	24.00				120 120 120	BOP DRILL: 1/07/02
UNDERFLOW	Ý1	1640	24.00	Ý1	1710	24.00				120 120 120	SAFETY MEET: 1/10/02
											RIG INSPECT: 1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	311	SII F10T	MH1949	19	19	19	355																
8	222	SII F1OT	MJ1707	15.9	15.9	15.9	355	510	155	49.25	155	49.25	3.14	5/7	115	1	2	WT	H	E	0	NO	BHA

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	120	1.4	5900	8P80	216	152				73.7	24.8	39

1. RU / TO		0.00	6. TRIPPING	3.75	16.25	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING	17.50	68.00	7. RIG SERVICE	0.75	3.25	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING		10.00	8. RIG REPAIR		0.00	13. WOC		0.00	18. FLOWCHECK	0.25	
4. CORING		13.00	9. SLIP LINE		0.00	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.	1.25	4.00	10. SURVEYING	0.50	2.75	15. DST		0.00	20.		

HOLE DRAG: 2000 daN TORQUE: 900 ACT / ALLOW HOOK LOAD: 39000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill & survey 464m - 473m. Circulate sample. Drill ahead to 485m. Losing mud to formation. Mix and pump 4m3 LCM pill. Lost 3.5m3 to formation. Regained full returns after pumping pill. Drill and survey 222mm hole 485m - 510m. Pump pill and hoist to run 311mm bit. Lay down HWDP. Make up BHA and run in to 355m.
0800HRS UPDATE: TRIP IN. WASH TO BOTTOM. REAM AND SURVEY 355M - 392M.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE
Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/15 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 10	DAY # 13

Status at: 08:00 Hrs: Wiper trip for logging.

24 Hour Summary: RIH. Wash to bottom. Ream & survey pilot hole w/311mm bit 355m - 495m.

DEPTH 510.00 m	PROGRESS 0.00 m	PBTD m	TEMP: -17 °C, WEATHER: Light Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $44,762
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,126,188

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	513.00	1080	78	24	12	4	14	7.8	1.5	10	.05	69	750	360		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	23	sx
CAUSTIC SODA	2	sx
DESCO	3	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE	10	sx
SAWDUST	20	sx
KWIK SEAL	4	sx

DEVIATION SURVEYS (Degrees@Depth)

1.75 @ 370
2.00 @ 408
1.50 @ 434
1.15 @ 462
0.75 @ 489
@
@
@
@
@
@
@
@
@

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.35
Bit sub	221.00	60.00	1.21
2 DC's	219.00	80.00	18.59
XO	212.00	75.00	0.44
XO	202.00	0.75	0.81
18 DC's	158.00	60.00	165.59
XO	154.00	60.00	0.28
33 HWDP	101.60	70.00	302.92
Kelly	101.60		4.81

MUD LOSSES: DAILY 1.50 m³ / CUM: 7.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 495.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 1/07/02
OVERFLOW		1075	24.00		1075	24.00				120 120 120	BOP DRILL: 1/07/02
UNDERFLOW	Ý1	1640	24.00	Ý1	1680	24.00				120 120 120	SAFETY MEET: 1/10/02
											RIG INSPECT: 1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	311	SII F10T	MH1949	19	19	19	355		140	21.00			6.66	6-8	130								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	90	1.06	10900	8P80	216	152	90	1.06	10900	61	31.2	41.5

1. RU / TO		0.00	6. TRIPPING	0.25	16.50	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING		68.00	7. RIG SERVICE	0.75	4.00	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING	21.00	31.00	8. RIG REPAIR		0.00	13. WOC		0.00	18.		
4. CORING		13.00	9. SLIP LINE		0.00	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.	0.50	4.50	10. SURVEYING	1.50	4.25	15. DST		0.00	20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 39000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Finish running in hole. Wash to bottom. Ream and survey pilot hole w/311mm bit 355m - 495m. Lost 1.5m3 @ 485m. Mixed and pumped 3.5m3 LCM pill. Regained full returns after pumping pill.
0800HRS UPDATE: Ream pilot hole 495m - 510m. Done reaming @ 0300hrs Jan.15/02. Drill and survey 510m - 517.50m. Circ. Wiper trip. Loggers ordered for 1000hrs. Jan.15/02.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/16 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 11 / DAY # 14

Status at: 08:00 Hrs: Run in hole w/DST#1.

24 Hour Summary: Ream 495m-510m. Drill 510m-517.50m. Circ.Wiper trip.Circ.POOH to log. Log w/Schlumberger.

DEPTH 517.50 m	PROGRESS 8.00 m	PBTD m	TEMP: -14 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $43,646
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,169,834

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	513.00	1080	78	24	12	4	14	7.8	1.5	10	.05	69	750	360		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	20	sx
CAUSTIC SODA	2	sx
DESCO	2	sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH	4	sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.35
Bit sub	221.00	60.00	1.21
2 DC's	219.00	80.00	18.59
XO	212.00	75.00	0.44
XO	202.00	0.75	0.81
18 DC's	158.00	60.00	165.59
XO	154.00	60.00	0.28
35 HWDP	101.60	70.00	321.22
Kelly	101.60		9.01

MUD LOSSES: DAILY 0.00 m³ / CUM: 7.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 517.50
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 1/07/02
OVERFLOW		1075	16.00		1075	16.00				120 120 120	BOP DRILL: 1/07/02
UNDERFLOW	Ÿ1	1640	16.00	Ÿ1	1680	16.00				120 120 120	SAFETY MEET: 1/10/02
											RIG INSPECT: 1/06/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	311	SII F10T	MH1949	19	19	19	355	518	162	26.75	162	26.75	6.05	6-8	130	1	1	WT	A	E	0	NO	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	90	1.06	10900	8P80	216	152	90	1.06	10900	61	31.2	41.5

1. RU / TO		0.00	6. TRIPPING	2.75	19.25	11. LOGGING	12.00	12.00	16. FISHING		0.00
2. DRILLING	3.00	71.00	7. RIG SERVICE	0.25	4.25	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING	2.75	33.75	8. RIG REPAIR		0.00	13. WOC		0.00	18.		
4. CORING		13.00	9. SLIP LINE		0.00	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.	3.00	7.50	10. SURVEYING	0.25	4.50	15. DST		0.00	20.		

HOLE DRAG: 2-3000 daN TORQUE: 500 ACT / ALLOW HOOK LOAD: 39000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Ream pilot hole from 495m - 510m. Drill 311mm hole from 510m - 517.50m. Surface TD @ 0600hrs Jan.15/02. Circulate hole clean. Survey Wiper trip to 350m. Flow check as required. Circulate hole clean. Hoist to log. Flow check as required. Lay down 9" collars. Log w/Schlumberger. Log to bottom @ 1500hrs. TD 517.80m. Run #1: DLT-MSFL-BHC-GR from 517.80M - 99.50M. Run #2:DIT-LDT-CNL-MLT-GR from 517.80M - 99.50M. Run#3: FMI-GR from 517.80M - 99.50M.
0800HRS UP-DATE: Held a safety meeting w/rig crew and tester. Make up DST#1. Check motor kills. Run in hole w/DST#1.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/17 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 12	DAY # 15

Status at: 08:00 Hrs: DST#2.

24 Hour Summary: Safety Meeting. Make up DST#1. RIH. DST#1. POOH w/DST#1. Recvr recorders. RIH w/bit. Drill 1m Circ.

DEPTH 518.50 m	PROGRESS 0.00 m	PBTD m	TEMP: -16 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $98,733
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,268,567

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
23:00	518.00	1080	61	17	11	3	11	7.8	1.0	9	.05	64	700	340		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	20	sx
CAUSTIC SODA	2	sx
DESCO	2	sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH	4	sx
LIGNITE		sx
BARITE	10	sx
SAWDUST		sx
KWIK SEAL		sx

DEVIATION SURVEYS (Degrees@Depth): 2.00 @ 510

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.35
Bit sub	158.00	60.00	1.10
17 DC's	158.00	60.00	156.24
XO	158.00	60.00	0.28
38 HWDP	101.60	70.00	348.91
Kelly	101.60		11.62

MUD LOSSES: DAILY 0.00 m³ / CUM: 7.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 518.50
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 7/01/02
OVERFLOW		1075	8.00		1075	16.00				120 120 120	BOP DRILL: 16/01/02
UNDERFLOW	Ý1	1640	8.00	Ý1	1680	16.00				120 120 120	SAFETY MEET: 16/01/02
											RIG INSPECT: 16/01/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	311	SII F10T	MH1949	19	19	19	355	518	163	26.75	162	26.75	6.05	6-8	130	1	1	WT	A	E	0	NO	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	90	1.06	11700	8P80	216	152	90	1.06	11700	61	31.2	41.5

1. RU / TO		0.00	6. TRIPPING	6.50	25.75	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING		71.00	7. RIG SERVICE		4.25	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING	0.50	34.25	8. RIG REPAIR	1.00	1.00	13. WOC		0.00	18. SAFETY MTG	0.25	
4. CORING		13.00	9. SLIP LINE		0.00	14. HEAD UP BOP		0.00	19. WASH TO BTM	0.50	
5. CIRC. / COND.	0.50	8.00	10. SURVEYING		4.50	15. DST	14.75	14.75	20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 34000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Held a safety meeting w/rig crew and tester. Make up DST#1. Check motor kills. Run in hole w/DST#1. Held safety meeting. DST#1: "Arnica" 462m - 475m. Preflow 8mins. - dead no bubbles. NGTS. Telemetry not working. Initial shut in. Telemetry started to work. 2nd flow - 5mins. No bubbles in pail. NGTS. 2nd shut in. Final flow. 44mins. Very weak air blow. NGTS. Tool plugging. Deflate packers and hoist DST.
New crew arrived. New to rig. Held a safety meeting. Recovered 35m of mud. Recover recorders and lay down tools. Run in hole w/bit. No fill. Circulate hole clean. Mud in good shape.
0HRS UPDATE: Circulate hole clean. Hoist to run DST#2. Make up and service test tools. (Tester very slow). Run in w/DST#2. Pump up packers and DST#2.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/18 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 13	DAY # 16

Status at: 08:00 Hrs: Make up DST#4.

24 Hour Summary: Circ. POOH.Make up DST. RIH. Sfty Mtg. DST#2.POOH.Recover recorders. Make up run in & DST#3.

DEPTH 518.50 m	PROGRESS 0.00 m	PBTD m	TEMP: -18 °C, WEATHER: Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $100,458
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,369,025
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+	OIL (%)
23:00	518.00	1080	61	17	11	3	11	7.8	1.0	9	.05	64	700	340		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE	10	sx
SAWDUST		sx
KWIK SEAL		sx

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.35
Bit sub	158.00	60.00	1.10
17 DC's	158.00	60.00	156.24
XO	158.00	60.00	0.28
38 HWDP	101.60	70.00	348.91
Kelly	101.60		11.62

MUD LOSSES: DAILY 0.00 m³ / CUM: 7.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 518.50
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 7/01/02
OVERFLOW		1075	8.00		1075	16.00				120 120 120	BOP DRILL: 16/01/02
UNDERFLOW	Ÿ1	1640	8.00	Ÿ1	1680	16.00				120 120 120	SAFETY MEET: 17/01/02
											RIG INSPECT: 16/01/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	311	SII F10T	MH1949	19	19	19	355	518	163	26.75	162	26.75	6.05	6-8	130	1	1	WT	A	E		NO	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	90	1.06	11700	8P80	216	152	90	1.06	11700	61	31.2	41.5

1. RU / TO	0.00	6. TRIPPING	5.00	30.75	11. LOGGING	12.00	16. FISHING		0.00
2. DRILLING	71.00	7. RIG SERVICE	0.75	5.00	12. RUN/CMT CSG	0.00	17. PLUG BACK		0.00
3. REAMING	34.25	8. RIG REPAIR		1.00	13. WOC	0.00	18. Handle Tools	4.75	
4. CORING	13.00	9. SLIP LINE		0.00	14. HEAD UP BOP	0.00	19.		
5. CIRC. / COND.	0.50	8.50	10. SURVEYING		4.50	15. DST	13.00	27.75	20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 34000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Circulate. Hoist to test. Make up DST#2. Run in hole. Held a safety meeting. Inflate packers Repair test head actuator. Inflate packers. DST#2:"Arnica" 462m - 475m. Initial flow: Weak air blow increasing to bottom of pail in 13m. NGTS. Released for 10mins. Closed again weak air blow in 3mins increasing to bottom of pail in 17mins. NGTS.Times 90min flow, 180min shut in. Deflate packers and hoist test. Recovered 66m of fluid consisting of 46m of drilling fluid and 20m of water. Filtrate water = 550mg/l chloride. Formation water = 13000mg/l chlorides. Recover and load recorders. Make up DST#3. Run in w/test. Held a safety meeting and inflate packers. DST#3: "Hume" 320m - 333m.
es 5min,60min,60min,120min.
0HRS UPDATE: DST#3 POOH w/DST#3. Recovered 63m of drilling fluid. Recover recorders. Check samplers. Make up DST#4.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/19 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 14 / DAY # 17

Status at: 08:00 Hrs: Cement casing as per program

24 Hour Summary: Run DST # 3, & 4. Load out tools and RIH condition hole for casing. Rig to run casing.

DEPTH 518.50 m	PROGRESS 0.00 m	PBTD m	TEMP: -34 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 339.70 mm@ 99.50 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $95,227
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,464,252
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
21:40	518.00	1080	63	20	11	4	13	8	1.5	9	.05	64	550	320		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE	10	sx
SAWDUST		sx
KWIK SEAL		sx

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.35
Bit sub	158.00	60.00	1.10
17 DC's	158.00	60.00	156.24
XO	158.00	60.00	0.28
38 HWDP	101.60	70.00	348.91
Kelly	101.60		11.62

MUD LOSSES: DAILY m³ / CUM: 7.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER		Total Length: 518.50
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE		LAST: PRESS TEST: 7/01/02
OVERFLOW		1075	8.00		1075	16.00				120 120 120		BOP DRILL: 16/01/02
UNDERFLOW	Ý1	1620	8.00	Ý1	1640	16.00				120 120 120		SAFETY MEET: 17/01/02
												RIG INSPECT: 16/01/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	311	SII F10T	MH1949	19	19	19	355	518	163	26.75	162	26.75	6.05	6-8	130	1	1	WT	A	E		NO	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	90	1.06	11700	8P80	216	152	90	1.06	11700	61	31.2	41.5

1. RU / TO		0.00	6. TRIPPING	6.75	37.50	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING		71.00	7. RIG SERVICE	0.75	5.75	12. RUN/CMT CSG	0.50	0.50	17. PLUG BACK		0.00
3. REAMING		34.25	8. RIG REPAIR		1.00	13. WOC		0.00	18. Handle Tools	4.50	
4. CORING		13.00	9. SLIP LINE		0.00	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.	1.00	9.50	10. SURVEYING		4.50	15. DST	10.50	38.25	20.		

HOLE DRAG: 2 daN | TORQUE: 500 | ACT / ALLOW HOOK LOAD: 35000 / 90000 daN | WEAK LINK: DRILL PIPE

Remarks : Run DST #3 and hoist same. Recover 63m fluid drilling fluid. Make up DST #4 (320m to 327m) and run same. Fluid recovery 110m. (20m drilling fluid, and 90m watery mud. salinity 9020 ppm). Load out tools, make up bit and RIH for cleanout prior to running casing. 2.5m fill. Wash to bottom and circ and condition hole and mud. Hoist to run casing. Prejob safety meeting, rig to run casing.

00:00 to 08:00 hrs Run casing as per program and cement same.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/20 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 15 / DAY # 18

Status at: 08:00 Hrs: Pressure testing BOPs and related equip.

24 Hour Summary: Cement casing, screw on bowl and nipple up BOPs.

DEPTH 518.50 m	PROGRESS 0.00 m	PBTD m	TEMP: -35 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $266,820
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,733,088
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	311.00		0.35
Bit sub	158.00	60.00	1.10
17 DC's	158.00	60.00	156.24
XO	158.00	60.00	0.28
38 HWDP	101.60	70.00	348.91
Kelly	101.60		11.62

MUD LOSSES: DAILY m³ / CUM: m³

Total Length: 518.50

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	LAST
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW										120 120 120	PRESS TEST: 2/01/02
UNDERFLOW										120 120 120	BOP DRILL: 16/01/02
											SAFETY MEET: 2/01/19
											RIG INSPECT: 16/01/02

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152						

1. RU / TO	0.00	6. TRIPPING		37.50	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	71.00	7. RIG SERVICE	0.25	6.00	12. RUN/CMT CSG	5.75	6.25	17. PLUG BACK		0.00
3. REAMING	34.25	8. RIG REPAIR		1.00	13. WOC	4.00	4.00	18. Safety Meeting	0.50	
4. CORING	13.00	9. SLIP LINE		0.00	14. HEAD UP BOP	11.00	11.00	19.		
5. CIRC. / COND.	2.50 12.00	10. SURVEYING		4.50	15. DST		38.25	20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 30000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Rig to and run 41jts 244.5, 53.6kg/m, LT&C, J55, casing. Landed @ 517.32m F/C @ 516.69m Total casing Length 518.66m. Break circ and circ and condition hole and mud. Prejob safety meeting, rig to and cement casing as per program. WOC. Prepare to cut conductor and cut.
unscrew landing jt. Screw on bowl and nipple up BOPs.

00 to 08:00 Nipple up BOPs. Pressure test same. 1500kpa low, 10500 kpa high, 10min each. Casing 1500kpa low 21000kpa high.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/21 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 16 / DAY # 19

Status at: 08:00 Hrs: Drilling out / PIT

24 Hour Summary: P/T BOPs, Manifold and related equip. Make up BHA and RIH.

DEPTH 518.50 m	PROGRESS 0.00 m	PBTD m	TEMP: -45 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: kPa m	DAILY COST: $46,408
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,779,496
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:30	518.00	1050	39	5	5	0	3	12.4	1	8.5	.025	43	550	280		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE		sx
SAWDUST	16	sx
KWIK SEAL		sx

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	222.00		0.25
Bit sub	155.00		0.86
1 Dc	156.00	60.00	9.22
Shock Sub	160.00		2.98
5 Dcs	156.00		46.31
Jar	156.00		4.66
12 Dcs	156.00		109.90
36 HWTDp	132.00		330.41

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 504.59
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW										120 120 120	BOP DRILL: 2/01/21
UNDERFLOW										120 120 120	SAFETY MEET: 2/01/19
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
8RR	222	Smith F10T	MJ1707	11.9	11.9	11.9	518																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152						

1. RU / TO	0.00	6. TRIPPING	3.50	41.00	11. LOGGING	12.00	16. FISHING	0.00
2. DRILLING	71.00	7. RIG SERVICE	0.50	6.50	12. RUN/CMT CSG	6.25	17. PLUG BACK	0.00
3. REAMING	34.25	8. RIG REPAIR		1.00	13. WOC	4.00	18. Pressure Test	8.75
4. CORING	13.00	9. SLIP LINE	0.75	0.75	14. HEAD UP BOP	7.00 18.00	19. Wear Bushing	2.50
5. CIRC. / COND.	1.00 13.00	10. SURVEYING		4.50	15. DST	38.25	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Nipple up BOPs and related Equip. Rig to and pressure test BOPs and related equip to 1500kpa Low and 10500kpa High. P/T casing 1500kpa Low and 21000kpa high. All tests 10min each. Function test Accumulator and BOPs prior to testing. All tests good. Make up and run wear bushing. Make up BHA and RIH, tag cement @ 510m.. Slip and cut drilling line. Con't testing BOPs.

0000 to 0800 Pressure test Pipe rams, Annular, Inside BOP, Stabbing valve, Kelly cock. Function test ESDs, Accumulator check, BOP drill. Drill out w/ H2O to 522m. PIT test to 22kpa/m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/22 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 17	DAY # 20

Status at: 08:00 Hrs: Hoist bit #8RR

24 Hour Summary: Con't Pressure Testing, Drill out, RUN PIT test equivalant to 22kpa/m, Displace to mud, Drill ahead

DEPTH 559.00 m	PROGRESS 41.00 m	PBTD m	TEMP: -45 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 4097.00 kPaw/ 1040.00 kg/m³	FLOT: 18.10 kPa m	DAILY COST: $46,948	
AFE #: D01E2660	AFE COST: $8,000,000	CUMM COST: $3,826,444	

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	564.00	1040	48	10	12	6	15	10.6	1	10	.025	38	550	520		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	2	sx
DESCO	4	sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE		sx
SAWDUST	8	sx
KWIK SEAL		sx

DEVIATION SURVEYS (Degrees@Depth): 4 @ 541; 6 @ 560; @; @; @; @; @; @; @; @; @; @; @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	222.00		0.25
Bit sub	155.00		0.86
1 Dc	156.00	60.00	9.22
Shock Sub	160.00		2.98
5 Dcs	156.00		46.31
Jar	156.00		4.66
12 Dcs	156.00		110.06
40 HWTDp	132.00		367.29
DP			9.54
Kelly Down			7.83

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 559.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1035			1035					120 120 120	BOP DRILL: 2/01/21
UNDERFLOW	1	1220		1	1200					120 120 120	SAFETY MEET: 2/01/19
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
8RR	222	Smith F10T	MJ1707	11.9	11.9	11.9	518		41	12.75	41	12.75	3.21	2 / 7	120								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	5900	8P80	216	152				66	42	41

1. RU / TO		0.00	6. TRIPPING		41.00	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	12.75	83.75	7. RIG SERVICE	0.50	7.00	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING		34.25	8. RIG REPAIR	0.75	1.75	13. WOC		4.00	18. Pressure Test	6.50	
4. CORING		13.00	9. SLIP LINE		0.75	14. HEAD UP BOP		18.00	19. Drill Out	1.50	
5. CIRC. / COND.	0.75	13.75	10. SURVEYING	0.75	5.25	15. DST		38.25	20. BOP Drills	0.50	

HOLE DRAG: 2 daN TORQUE: 1500 ACT / ALLOW HOOK LOAD: 35000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Con't Pressure Testing BOPs and related equip. Accumulator check. Function ESD and Accumulator. Drill out with low wt. and RPM. BOP drills. Drill 5m new hole to 522m circ hole clean. Run PIT test to equivlant of 22.6kpa/m. OK. Displace over to mud and drill ahead from 522m to 559m. Survey as required.

00:00 to 08:00 Drilled ahead to 564m. Survey 6*. Circ bottoms up and Hoist bit. Directional Drillers notified.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/23 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 18 / DAY # 21

Status at: 08:00 Hrs: Drilling ahead 222mmhole @ 575m Sliding and rotating as required to bring well back to O*

24 Hour Summary: Drilled to 564m. Survey @ 560m 6* Mobilze Sperry Sun and Hoist Bit.

DEPTH	564.00 m	PROGRESS	5.00 m	PBTD m	TEMP: -44 °C, WEATHER: Clear & Windy
KB:	160.30 m	GRD:	154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP:	4097.00 kPaw/	1040.00 kg/m³		FLOT: 18.10 kPa m	DAILY COST: $71,559
AFE #:	D01E2660			AFE COST: $8,000,000	CUMM COST: $3,898,347

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	564.00	1040	48	10	12	6	15	10.6	1	10	.025	38	550	520		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE		sx
SAWDUST	12	sx
KWIK SEAL		sx

DEVIATION SURVEYS (Degrees@Depth): 6 @ 640

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit SII F10T	222.00		0.20
Motor set @ 1.5*	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	142.26
X-O			0.28
40 HWTDp	101.60	65.00	362.29

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 575.53
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1035			1035					120 120 120	BOP DRILL: 2/01/21
UNDERFLOW	1	1220		1	1200					120 120 120	SAFETY MEET: 2/01/19
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
8RR	222	Smith F10T	MJ1707	11.9	11.9	11.9	518		5	5.00	46	16.00	3.21	2 / 7	140	3	3	BT	M	E	I	WT	BHA
9	222	Smith F10T	MJ1745	15.9	15.9	15.9	564																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	5900	8P80	216	152				66	42	41

1. RU / TO		0.00	6. TRIPPING		2.00	43.00	11. LOGGING		12.00	16. FISHING	0.00
2. DRILLING	3.25	87.00	7. RIG SERVICE		0.75	7.75	12. RUN/CMT CSG		6.25	17. PLUG BACK	0.00
3. REAMING		34.25	8. RIG REPAIR			1.75	13. WOC		4.00	18. Directional Work	7.00
4. CORING		13.00	9. SLIP LINE			0.75	14. HEAD UP BOP		18.00	19. WODD	9.50
5. CIRC. / COND.	1.25	15.00	10. SURVEYING		0.25	5.50	15. DST		38.25	20.	

HOLE DRAG: 2 daN TORQUE: 1600 ACT / ALLOW HOOK LOAD: 35000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead from 559m to 564m. Survey @ 560m. 6*. Hoist bit # 8RR. Mobilze Sperry Sun. Wait for Sperry Sun. Circ kelly and rig. Measure calipar and pick up Directional tools. Start rigging in MWD. Thaw out tools and surf test.

00:00 to 08:00 Make up BHA and MWD. RIH and shallow test MWD and motor. Drilling ahead sliding and rotating to bring deviation back to 0*. Last survey @ 540m AZI 35.4 @ 4.5*

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/24 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 19 / DAY # 22

Status at: 08:00 Hrs: Drilling ahead 222mm hole @ 642m 5m/Hr sliding and rotating to bring deviation back to 0*

24 Hour Summary: Drill ahead from 564m to 627m Trip to change motor angle.

DEPTH 627.00 m	PROGRESS 63.00 m	PBTD m	TEMP: -45 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 4097.00 kPaw/ 1040.00 kg/m³		FLOT: 18.10 kPa m	DAILY COST: $72,082
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $3,970,429
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	627.00	1040	41	10	5	2	12	10.8	1	9	.025	40	550	640		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	10	sx
CAUSTIC SODA	1	sx
DESCO	4	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit SII F10T	222.00		0.20
Motor set @ 1.5*	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	28.39
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 627.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1035			1035					120 120 120	BOP DRILL: 2/01/23
UNDERFLOW	1	1180		1	1200					120 120 120	SAFETY MEET: 2/01/23
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
6	222	Smith F10T	MJ1745	15.9	15.9	15.9	564	627	63	12.25	63	12.25	5.14	10	40/	2	5	BT	H	E	I	FC	BHA
7	222	Smith F15H	LW9438	15.9	15.9	15.9	627																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	8900	8P80	216	152				66	42	36.4

1. RU / TO		0.00	6. TRIPPING	3.75	46.75	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	12.25	99.25	7. RIG SERVICE	0.75	8.50	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING		34.25	8. RIG REPAIR		1.75	13. WOC		4.00	18. Directional Work	5.75	
4. CORING		13.00	9. SLIP LINE		0.75	14. HEAD UP BOP		18.00	19. BOP Drill	0.25	
5. CIRC. / COND.	0.50	15.50	10. SURVEYING	0.75	6.25	15. DST		38.25	20.		

HOLE DRAG: 2 daN TORQUE: 3200 ACT / ALLOW HOOK LOAD: 39000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Thaw out MWD equip and surf test. Make up MWD tools and RIH. Shallow test MWD tools and Motor. RIH to 557m, orient tool and survey. Drill ahead 222mm hole from 564m to 627m, sliding and rotating as required to bring hole direction and angle back to 0* Circ up sample and hoist bit #6 to set up motor angle to 1.83*.

00:00 to 08:00 Hoist and set angle on motor to 1.83*, change bit and RIH. Drill ahead from 627m to 642m, attempting to drop angle.

e surveys on ldunham@eogresources.com

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/25 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 20 DAY # 23

Status at: 08:00 Hrs: Drill ahead 222mm @ 756m 5m/hr

24 Hour Summary: Drill ahead 222mm hole from 627m to 718m rotating and sliding as required

DEPTH 718.00 m	PROGRESS 91.00 m	PBTD m	TEMP: -44 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 4097.00 kPaw/ 1040.00 kg/m³		FLOT: 18.10 kPa m	DAILY COST: $63,123
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,033,552

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:20	742.00	1040	40	10	5	2	6	10.6	1	9.5	.025	42	550	760		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	10	sx
CAUSTIC SODA	2	sx
DESCO	6	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER	2	Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit SII F15H	222.00		0.25
Motor set @ 1.83*	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	123.35
Kelly Down			9.07

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER		
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE		
OVERFLOW		1035			1035					120 120 120		
UNDERFLOW	1	1200		1	1220					120 120 120		

Total Length: 718.00

LAST: PRESS TEST: 2/01/20; BOP DRILL: 2/01/23; SAFETY MEET: 2/01/23; RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
6	222	Smith F10T	MJ1745	15.9	15.9	15.9	564	627	63	12.25	63	12.25	5.14	10	40/	2	5	BT	H	E	I	FC	BHA
7	222	Smith F15H	LW9438	15.9	15.9	15.9	627		91	17.75	91	17.75	5.1	10	40/90								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	9000	8P80	216	152				66	42	36.4
RSPP			55	.65	2370									

1. RU / TO		0.00	6. TRIPPING	3.50	50.25	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	17.75	117.00	7. RIG SERVICE	0.75	9.25	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING	0.50	34.75	8. RIG REPAIR		1.75	13. WOC		4.00	18.		
4. CORING		13.00	9. SLIP LINE		0.75	14. HEAD UP BOP		18.00	19.		
5. CIRC. / COND.		15.50	10. SURVEYING	1.50	7.75	15. DST		38.25	20.		

HOLE DRAG: 2 daN TORQUE: 3000 ACT / ALLOW HOOK LOAD: 40000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Con't RIH wit bit # 7. Break circ and wash 9m to bottom. No fill. Hole good shape. Drill ahead 222mm hole from 627m to 718m. Sliding and rotating to bring angle and direction back to 0*. (Ronning Formation 703m)

00:00 to 08:00 Drill ahead 222mm hole from 718m to 756m Sliding and rotating as required. See survey sheet.
No losses or flows.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/26 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 21 / DAY # 24

Status at: 08:00 Hrs: Drilling ahead @ 812m @4m/hr

24 Hour Summary: Trip bit # 7 @ 757m and RIH # 8 and drill ahead 222mm hole from 757m to 778m 4m/hr

DEPTH 778.00 m	PROGRESS 60.00 m	PBTD m	TEMP: -42 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 4048.00 kPaw/ 1050.00 kg/m³		FLOT: 18.10 kPa m	DAILY COST: $70,945
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,104,497

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	797.00	1050	51	13	7	3	14	11	1	9.5	.03	41	550	720		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	10	sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit SII F3H	222.00		0.25
Motor set @ 1.83*	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	180.26
Kelly Down			13.08

MUD LOSSES: DAILY 4.00 m³ / CUM: 4.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 778.92
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1040			1040					120 120 120	BOP DRILL: 2/01/25
UNDERFLOW	1	1260		1	1240					120 120 120	SAFETY MEET: 2/01/25
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
7	222	Smith F15H	LW9438	15.9	15.9	15.9	627	757	39	7.75	130	25.50	5	10	130	8	8	BT	A	F	4	CI	PR
8	222	Smith F3H	LX685	15.9	15.9	15.9	757		21	5.25	21	5.25	4	10	110								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	95	1.12	7510	8P80	216	152				57.1	36.4	31.3
RSPP			56	.65	721									

1. RU / TO		0.00	6. TRIPPING	6.00	56.25	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	13.00	130.00	7. RIG SERVICE	0.75	10.00	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING	1.00	35.75	8. RIG REPAIR		1.75	13. WOC		4.00	18. Handle Tools	1.75	
4. CORING		13.00	9. SLIP LINE		0.75	14. HEAD UP BOP		18.00	19.		
5. CIRC. / COND.	0.75	16.25	10. SURVEYING	0.75	8.50	15. DST		38.25	20.		

HOLE DRAG: 4 daN TORQUE: 1700 ACT / ALLOW HOOK LOAD: 40000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead 222mm hole from 718m to 757m. Circ up sample and hoist bit # 7. Change out bit and RIH to 740m. Break circ and ream from 740m to 757m. Low WT. and RPM. Drill ahead w/ motor and mwd surveying, sliding and rotating as required to bring direction and angle back to 0*. Hole good shape. Minor losses on trip.

00:00 to 08:00 Drill ahead 222mm hole from 757m to 812m (Ronning formation) See survey sheet.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/27 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 22 / DAY # 25

Status at: 08:00 Hrs: Drilling ahead 222mm hole @ 920m 5 to 6 m/hr

24 Hour Summary: Drilled ahead 222mm hole from 778m to 883m @ 5 to 6 m/hr

DEPTH 883.00 m	PROGRESS 105.00 m	PBTD m	TEMP: -40 °C, WEATHER: Clear & Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa m	DAILY COST: $60,097
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,164,594

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
03:50	901.00	1070	45	12	7	1	8	9.1	1	9.5	.044	48	550	880		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	2	sx
DESCO	4	sx
AQUAPAC	2	sx
SUPERVISION	.1	Day
SODA ASH	1	sx
LIGNITE	2	sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit SII F3H	222.00		0.25
Motor set @ 1.83*	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	284.41
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: 4.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 883.07
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1060			1060					120 120 120	BOP DRILL: 2/01/25
UNDERFLOW	1	1400		1	1380					120 120 120	SAFETY MEET: 2/01/25
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
7	222	Smith F15H	LW9438	15.9	15.9	15.9	627	757	39	7.75	130	25.50	5	10	130	8	8	BT	A	F	4	CI	PR
8	222	Smith F3H	LX685	15.9	15.9	15.9	757		105	21.75	126	27.00	4.6	10	110								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	95	1.12	7510	8P80	216	152				57.1	36.4	31.3
RSPP			56	.65	721									

1. RU / TO		0.00	6. TRIPPING		56.25	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	21.75	151.75	7. RIG SERVICE	0.75	10.75	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING		35.75	8. RIG REPAIR		1.75	13. WOC		4.00	18.		
4. CORING		13.00	9. SLIP LINE		0.75	14. HEAD UP BOP		18.00	19.		
5. CIRC. / COND.		16.25	10. SURVEYING	1.50	10.00	15. DST		38.25	20.		

HOLE DRAG: 6 daN TORQUE: 1600 ACT / ALLOW HOOK LOAD: 41000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead from 778m to 883m w/ motor and MWD. Minor formation losses, no flows. No indication of fault line.

00:00 to 08:00 Drill ahead from 883m to 920m. 5m/Hr See survey sheet.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/28 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 23 / DAY # 26

Status at: 08:00 Hrs: Drilling ahead 222mm hole @ 991m. 6m/hr

24 Hour Summary: Drilled to 959m, circ up sample, hoist bit # 8 and RIH # 9. Set motor angle to 1.5*

DEPTH 959.00 m	PROGRESS 76.00 m	PBTD m	TEMP: -36 °C, WEATHER: Windy and clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa m	DAILY COST: $71,596
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,236,190
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	972.00	1070	44	11	7	1	6	9.2	1	9.5	.045	43	550	720		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	2	sx
DESCO	1	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit Reed TD53AM	222.00		0.25
Motor set @ 1.83*	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	360.59
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: 4.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 959.25
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1060			1060					120 120 120	BOP DRILL: 2/01/27
UNDERFLOW	1	1520		1	1500					120 120 120	SAFETY MEET: 2/01/27
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
7	222	Smith F15H	LW9438	15.9	15.9	15.9	627	757	39	7.75	130	25.50	5	10	130	8	8	BT	A	F	4	CI	PR
8	222	Smith F3H	LX685	15.9	15.9	15.9	757	959	76	14.25	202	41.25	4.8	10	110	5	4	BT	H	E	I	FC	PR
9	222	ReedTD53AM	PO9781	15.9	15.9	15.9	959																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	95	1.12	8200	8P80	216	152				57.1	36.4	31.3
RSPP @ 891m			55	.65	2540									

1. RU / TO		0.00	6. TRIPPING	6.00	62.25	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	14.25	166.00	7. RIG SERVICE	0.50	11.25	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING		35.75	8. RIG REPAIR		1.75	13. WOC		4.00	18. Directional Work	1.00	
4. CORING		13.00	9. SLIP LINE		0.75	14. HEAD UP BOP		18.00	19. BOP Drill	0.25	
5. CIRC. / COND.	1.00	17.25	10. SURVEYING	1.00	11.00	15. DST		38.25	20.		

HOLE DRAG: 6 daN TORQUE: 2273 ACT / ALLOW HOOK LOAD: 42000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drilling ahead 222mm hole from 883m to 959m w/ Motor and MWD. Bop drills and safety meetings held. Circ up sample and hoist bit # 8. Flow checks as required. Hole good shape. Change out bit, set motor to 1.5*, check MWD and RIH. Shallow test MWD and Motor. No losses or flows. See survey sheet.

00:00 to 08:00 Con,t RIH to 950m. Break circ and wash to bottom. No fill. Break in bit and drill ahead 222mm hole from 959m to 991m.
p drills held. Avg. 6m/hr.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/01/29 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 24 / DAY # 27

Status at: 08:00 Hrs: Drilling ahead 222mm hole @ 1104m 5m/hr

24 Hour Summary: Drill ahead 222mm hole from 959m to 1063m. 6m/hr (Bear Rock Formation)

DEPTH 1,063.00 m	PROGRESS 104.00 m	PBTD m	TEMP: -36 °C, WEATHER: Clear and Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1080.00 kg/m³		FLOT: 18.10 kPa m	DAILY COST: $58,511
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,294,701
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1084.00	1070	43	10	5	2	6	10.2	1	9.5	.045	40	500	720		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	2	sx
DESCO	1	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit Reed TD53AM	222.00		0.25
Motor set @ 1.5°	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	465.18
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: 4.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,063.84
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1065			1065					120 120 120	BOP DRILL: 2/01/28
UNDERFLOW	1	1580		1	1520					120 120 120	SAFETY MEET: 2/01/28
											RIG INSPECT: 2/01/29

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	222	ReedTD53AM	PO9781	15.9	15.9	15.9	959		104	20.25	104	20.25	5.13	12	120								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	95	1.12	8800	8P80	216	152				57.1	36.4	31.3
RSPP @ 1035m			55	.65	2650									

1. RU / TO		0.00	6. TRIPPING		1.00	63.25	11. LOGGING		12.00	16. FISHING	0.00
2. DRILLING	20.25	186.25	7. RIG SERVICE		0.75	12.00	12. RUN/CMT CSG		6.25	17. PLUG BACK	0.00
3. REAMING		35.75	8. RIG REPAIR		0.25	2.00	13. WOC		4.00	18. BOP Drill	0.25
4. CORING		13.00	9. SLIP LINE			0.75	14. HEAD UP BOP		18.00	19.	
5. CIRC. / COND.		17.25	10. SURVEYING		1.50	12.50	15. DST		38.25	20.	

HOLE DRAG: 6 daN TORQUE: 2000 ACT / ALLOW HOOK LOAD: 43000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Con't RIH to 950m. Break circ and wash to bottom. No fill. Hole in good shape. Break in bit and drill ahead from 959m to 1063m Repaired Hydraulic hose on kelly spinner. See survey sheet. BOP drills and safety meetings held.

00:00 to 08:00 Drill ahead 222mm hole from 1063m to 1104m. Avg 5m/hr

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/30 (YEAR MONTH DAY)

ence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 25	DAY # 28

Status at: 08:00 Hrs: Drill to 1170m. Circ up sample. Hoist bit # 9.

24 Hour Summary: Drill ahead 222mm hole from 1063m to 1168m.

DEPTH 1,168.00 m	PROGRESS 105.00 m	PBTD m	TEMP: -36 °C, WEATHER: Clear & windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1080.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $58,895
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,353,596

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+	OIL (%)
03:45	1170.00	1080	41	10	5	1	3	10.4	1	9.5	.05	38	500	800		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	2	sx
DESCO	2	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit Reed TD53AM	222.00		0.25
Motor set @ 1.5*	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	569.56
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: 4.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER			Total Length: 1,168.22
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE			LAST: PRESS TEST: 2/01/20
OVERFLOW		1075			1075					120 120 120			BOP DRILL: 2/01/29
UNDERFLOW	1	1400		1	1320					120 120 120			SAFETY MEET: 2/01/29
													RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	222	ReedTD53AM	PO9781	15.9	15.9	15.9	959		105	21.25	209	41.50	5	12	120								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	95	1.12	10250	8P80	216	152				57.1	36.4	31.3
RSPP @ 1148m			55	.65	2700									

1. RU / TO	0.00	6. TRIPPING	63.25	11. LOGGING	12.00	16. FISHING	0.00		
2. DRILLING	21.25	207.50	7. RIG SERVICE	0.75	12.75	12. RUN/CMT CSG	6.25	17. PLUG BACK	0.00
3. REAMING		35.75	8. RIG REPAIR		2.00	13. WOC	4.00	18.	
4. CORING		13.00	9. SLIP LINE		0.75	14. HEAD UP BOP	18.00	19.	
5. CIRC. / COND.		17.25	10. SURVEYING	2.00	14.50	15. DST	38.25	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 43000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drilled ahead 222mm hole from 1063m to 1168m. Sliding and Rotating as required to bring wellbore back to 0* and maintain there. No losses or flows. Surveys as required. See survey sheet. BOP drills and safety meetings held.

00:00 to 08:00 Drill ahead 222mm hole from 1168m to 1170m. Circ bottoms up and hoist bit #9. Flow checks as required.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/31 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 26	DAY # 29

Status at: 08:00 Hrs: Drilling ahead 222mm hole @ 1258m

24 Hour Summary: Drill ahead to 1170m. Circ sample and hoist bit #9 and RIH # 10 Drill ahead to 1225m 7m/hr

DEPTH 1,225.00 m	PROGRESS 57.00 m	PBTD m	TEMP: -28 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $71,800
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,425,396

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1242.00	1070	41	8	5	1	3	9.8	1	9.5	.045	36	500	760		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE	35	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit Reed TD53AM	222.00		0.25
Motor set @ 1.5°	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	626.44
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,225.10
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1060			1060					120 120 120	BOP DRILL: 2/01/30
UNDERFLOW	1	1420		1	1400					120 120 120	SAFETY MEET: 2/01/30
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	222	ReedTD53AM	PO9781	15.9	15.9	15.9	959	1170	2	1.00	211	42.50	4.96	12	120	2	3	BT	H	E	I	CT	PR
10	222	Reed HP52A	KW8113	15.9	15.9	15.9	1170		55	10.25	55	10.25	5.36	13	120								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152	95	1.12	10000	57.1	36.4	31.3
			55	.65	2700	RSPP @ 1215m			49	.58	2280			

1. RU / TO		0.00	6. TRIPPING	6.75	70.00	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	11.25	218.75	7. RIG SERVICE	0.50	13.25	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING	0.50	36.25	8. RIG REPAIR		2.00	13. WOC		4.00	18. Directional Work	2.00	
4. CORING		13.00	9. SLIP LINE		0.75	14. HEAD UP BOP		18.00	19. BOP Drill	0.25	
5. CIRC. / COND.	1.50	18.75	10. SURVEYING	1.25	15.75	15. DST		38.25	20.		

HOLE DRAG: 8 daN TORQUE: 2500 ACT / ALLOW HOOK LOAD: 45000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead 222mm hole from 1168m to 1170m. ROP slowed down. Circ up sample and hoist bit # 9. Make up bit # 10 and RIH to shoe. Shallow test MWD. RIH to 1158m Break circ and wash and ream to 1170m. Break in bit and drill ahead 222mm hole from 1170m to 1225m. Sliding and rotating as required to bring well back to 0°. Hole good shape. No losses or flows. Flow checks and BOP drills held. See survey sheet.

0000 to 0800 Drill ahead from 1225m to 1258m. (Ronning formation)

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/01 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 27 / DAY # 30

Status at: 08:00 Hrs: Drilling ahead 222mm hole from 1305m to 1311m

24 Hour Summary: Drill ahead from 1225m to 1305m. Circ up sample and hoist bit # 10

DEPTH 1,305.00 m	PROGRESS 80.00 m	PBTD m	TEMP: -26 °C, WEATHER: Overcaste, Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $58,384
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,483,780
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1305.00	1070	42	10	4	1	3	9.6	1	9.5	.045	34	500	760		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit Reed TD53AM	222.00		0.25
Motor set @ 1.5*	177.00	113.50	12.71
Dump Sub	171.00	49.00	0.54
Floatsub	164.00	58.00	0.59
3 Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	712.21
Kelly Down			7.21

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,305.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1065			1065					120 120 120	BOP DRILL: 2/01/30
UNDERFLOW	1	1460		1	1410					120 120 120	SAFETY MEET: 2/01/30
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
9	222	ReedTD53AM	PO9781	15.9	15.9	15.9	959	1170	2	1.00	211	42.50	4.96	12	120	2	3	BT	H	E	I	CT	PR
10	222	Reed HP52A	KW8113	15.9	15.9	15.9	1170	1305	80	16.25	135	25.75	5.24	13	120	8	8	BT	A	F	1	CT	TQ

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152	95	1.12	10500	57.1	36.4	31.3
			55	.65	2700	RSPP @ 1263m			48	.58	2230			

1. RU / TO		0.00	6. TRIPPING	3.00	73.00	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	16.25	235.00	7. RIG SERVICE	0.75	14.00	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING		36.25	8. RIG REPAIR		2.00	13. WOC		4.00	18. BOP drill	0.25	
4. CORING		13.00	9. SLIP LINE		0.75	14. HEAD UP BOP		18.00	19. Directional Work	1.25	
5. CIRC. / COND.	1.00	19.75	10. SURVEYING	1.50	17.25	15. DST		38.25	20.		

HOLE DRAG: 5 to 12 daN TORQUE: 2800 ACT / ALLOW HOOK LOAD: 46000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead 222mm hole from 1225m to 1305m. Sliding and rotating to maintain angle and direction of wellbore @ 0*. Surveys as required. Circ up sample and hoist bit # 10. High torque and slower penetration rate. Flow checks and BOP drill held. Change out motor, service MWD and make up United Diamond PDC UD 513

0000 to 0800 Pick up and make up new BHA. Motor set to 1.5* and RIH to shoe. Shallow test MWD and RIH to 1287m. Break circ and wash ream to bottom @ 1305m. Drill ahead 222mm hole from 1305m to 1311m

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/02/02 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 28	DAY # 31

Status at: 08:00 Hrs: Make up PDC and packed hole assy.

24 Hour Summary: RIH w/ PDC, ream to bottom and drill ahead 222mm hole from 1305m to 1319m. Trip PDC bit.

DEPTH 1,319.00 m	PROGRESS 14.00 m	PBTD m	TEMP: -24 °C, WEATHER: Light snow, windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³	FLOT: 18.10 kPa 522.00 m	DAILY COST: $60,222	
AFE #: D01E2660	AFE COST: $8,000,000	CUMM COST: $4,544,002	
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	1325.00	1070	47	9	6	2	10	9.8	1	10	.045	34	500	760		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit Reed RR TD53AM	222.00		0.25
Junk Sub	169.00	113.50	0.88
Bit Sub	156.00	49.00	0.86
Shock Sub	160.00	58.00	2.98
X-O, 3 Non-Mag DCs & Hang Off Sub	166.00	73.00	33.77
X-O	169.00	72.00	0.74
2 Dcs	158.00	63.50	18.33
Jar			4.66
16 DCs	158.00	63.50	147.26
X-O			0.28
40 HWTDp	101.60	65.00	367.29
Drill Pipe	101.00	80.00	730.80
Kelly Down			10.90

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,319.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1065			1065					120 120 120	BOP DRILL: 2/02/01
UNDERFLOW	1	1510		1	1480					120 120 120	SAFETY MEET: 2/02/01
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
11	222	UD 513	01025	5	x	14.3	1305	1319	14	3.50	14	3.50	4	3 - 9	140	7	8	RG	A		63	BC	PR
RR 9	222	ReedTD53AM	PO9781	15.9	15.9	15.9	1319																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152	95	1.12	12500	57.1	36.4	31.3
			55	.65	2700	RSPP @ 1263m			48	.58	2230			

1. RU / TO		0.00	6. TRIPPING	8.75	81.75	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING	3.50	238.50	7. RIG SERVICE	0.75	14.75	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING	3.50	39.75	8. RIG REPAIR		2.00	13. WOC		4.00	18. Handle Tools	4.75	
4. CORING		13.00	9. SLIP LINE	0.75	1.50	14. HEAD UP BOP		18.00	19. BOP Drill	0.25	
5. CIRC. / COND.	1.00	20.75	10. SURVEYING	0.50	17.75	15. DST		38.25	20. Work JunkSub	0.25	

HOLE DRAG: 10 daN TORQUE: 4 ACT / ALLOW HOOK LOAD: 52000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Change out motor and bit. RIH w/ UD513 bit to shoe. Shallow test MWD and motor. Con't RIH to 1287m, break circ and wash to bottom. Drill ahead 222mm hole from 1305m to 1319m. Circ up sample and hoist bit # 11. Break off bit and lay down motor. Make up bit # RR9, Junk Sub and RIH to shoe. Shallow test MWD. Con,t RIH to 1301m, break circ and ream from 1301m to 1319m. Low wt. and RPM. Work Junk Sub on bottom. Surveys, flowchecks as required. BOP drill held.

0000 to 0800 Drill ahead 222mm hole from 1319m to 1325m. 4m/hr Circ up sample and hoist bit # RR 9. Make up bit # 12 UD513 and ked hole assembly. RIH.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI:	300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/02/03 (YEAR MONTH DAY)
Licence:	WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 29	DAY # 32

Status at: 08:00 Hrs: Reaming @ 936m

24 Hour Summary: Drill ahead to 1325m. Hoist bit # 9RR. RIH w/ packed assy and start reaming from 517m, csg shoe.

DEPTH	1,325.00 m	PROGRESS	6.00 m	PBTD	m	TEMP:	-32 °C, WEATHER: Clear
KB:	160.30 m	GRD:	154.10 m	LAST CSG:	244.50 mm@	517.32 m	RIG AKITA/SAHTU RIG #51
MACP:	3944.00 kPaw/	1070.00 kg/m³	FLOT:	18.10 kPa	522.00 m	DAILY COST:	$59,134
AFE #:	D01E2660		AFE COST:	$8,000,000		CUMM COST:	$4,603,136

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1325.00	1065	45	9	4.5	1	4	10.2	1	9	.045	34	500	640		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit UD513	222.00		0.15
NB Stab	220.00	74.00	1.30
X-O	168.00	73.00	0.84
3 x Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
String Stab	222.00	74.00	1.41
Shock Sub	156.00	53.00	2.98
3 x DCs	158.00	63.00	27.38
Drilling Jar	171.00	63.00	4.66
15 x DCs	158.00	63.00	138.21
X-O	170.00	71.00	0.28
HWTDrill Pipe	101.60	65.00	367.29
DP	101.00	80.00	9.39
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

Total Length: 600.64

LAST: PRESS TEST: 2/01/20; BOP DRILL: 2/02/01; SAFETY MEET: 2/02/01; RIG INSPECT: 2/01/20

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW		1060			1060					120 120 120	
UNDERFLOW	1	1500		1	1480					120 120 120	

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
11	222	UD 513	01025	5	x	14.3	1305	1319	14	3.50	14	3.50	4	3 - 9	140	7	8	RG	A		63	BC	PR
RR 9	222	ReedTD53AM	PO9781	15.9	15.9	15.9	1319	1325	6	1.75	6	1.75	3.43	18	60	2	3	BT	H	E	I	CT	BHA
12	222	UD513	OO894	5	x	15.9	1325																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152	110	1.3	6700			
			55	.65	2700	RSPP @ 600m			48	.57	2600			

1. RU / TO		0.00	6. TRIPPING		5.00	86.75	11. LOGGING		12.00	16. FISHING	0.00
2. DRILLING	1.75	240.25	7. RIG SERVICE		0.50	15.25	12. RUN/CMT CSG		6.25	17. PLUG BACK	0.00
3. REAMING	12.25	52.00	8. RIG REPAIR			2.00	13. WOC		4.00	18. Handle Tools	3.25
4. CORING		13.00	9. SLIP LINE			1.50	14. HEAD UP BOP		18.00	19.	
5. CIRC. / COND.	1.00	21.75	10. SURVEYING		0.25	18.00	15. DST		38.25	20.	

HOLE DRAG: daN TORQUE: 6000 ACT / ALLOW HOOK LOAD: 45000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead 222mm hole from 1319m to 1325m. Circ up sample and hoist bit # 9 RR. Clean out junk sub and lay down same. Change out BHA and pick up packed hole assy. Make up bit # 12 and RIH to 524m. Pick up kelly and break circ. Start reaming assy in hole from 528m to 800m. Slow going.

0000 to 0800 Reaming from 800m to 936m

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/04 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 30 / DAY # 33

Status at: 08:00 Hrs: Drilling ahead @ 1330m.

24 Hour Summary: Ream in from 800m - 1284m. (Work tight hole @ 886m).

DEPTH 1,325.00 m	PROGRESS 0.00 m	PBTD m	TEMP: -33 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $54,632
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,657,768
MUD TYPE: GEL/CHEM		MUD CO.: CONCORD	

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1327.00	1065	45	10	4	1	7	10.4	1	9.5	.04	34	500	620		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE		sx
SAWDUST	2	sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit UD513	222.00		0.15
NB Stab	220.00	74.00	1.30
X-O	168.00	73.00	0.84
3 x Non-Mag DCs & Hang Off Sub	166.00	73.00	32.93
X-O	169.00	72.00	0.74
String Stab	222.00	74.00	1.41
Shock Sub	156.00	53.00	2.98
3 x DCs	158.00	63.00	27.38
Drilling Jar	171.00	63.00	4.66
15 x DCs	158.00	63.00	138.21
X-O	170.00	71.00	0.28
HWTDrill Pipe	101.60	65.00	367.29
DP	101.00	80.00	693.12
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,284.37
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1060			1060					120 120 120	BOP DRILL: 2/02/01
UNDERFLOW	1	1200	20.00	1	1200	20.00				120 120 120	SAFETY MEET: 2/02/01
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
11	222	UD 513	01025	5	x	14.3	1305	1319	14	3.50	14	3.50	4	3 - 9	140	7	8	RG	A		63	BC	PR
RR 9	222	ReedTD53AM	PO9781	15.9	15.9	15.9	1319	1325	6	1.75	6	1.75	3.43	18	60	2	3	BT	H	E	I	CT	BHA
12	222	UD513	OO894	5	x	15.9	1325																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152	110	1.3	9200	66.3	42.3	
			50	.65	1750	RSPP @ 1236m								

1. RU / TO		0.00	6. TRIPPING		86.75	11. LOGGING		12.00	16. FISHING		0.00
2. DRILLING		240.25	7. RIG SERVICE	0.75	16.00	12. RUN/CMT CSG		6.25	17. PLUG BACK		0.00
3. REAMING	23.00	75.00	8. RIG REPAIR		2.00	13. WOC		4.00	18. Free Stuck Pipe	0.25	
4. CORING		13.00	9. SLIP LINE		1.50	14. HEAD UP BOP		18.00	19.		
5. CIRC. / COND.		21.75	10. SURVEYING		18.00	15. DST		38.25	20.		

HOLE DRAG: 14up 3dn daN TORQUE: ACT / ALLOW HOOK LOAD: 56000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Ream in hole w/packed hole assembly from 800m - 886m. Work tight hole. Ream in hole from 886m - 1284m.

0000hrs to 0800hrs: Ream from 1284m - 1325m. Done reaming @ 0330hrs. Drill ahead 1325m - 1330m.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/05 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 31 / DAY # 34

Status at: 08:00 Hrs: Drill ahead @ 1360m.

24 Hour Summary: Ream in to 1325m. Drill ahead to 1329m. Trip for bit. Pick up directional BHA. RIH. Drill ahead to 1331m.

DEPTH 1,331.00 m	PROGRESS 6.00 m	PBTD m	TEMP: -28 °C, WEATHER:
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $67,376
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,725,144

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1346.00	1070	48	11	6	2	8	9.6	1	9.5	.045	34	500	620		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC	2	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	2	sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F3H	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.66
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	740.16
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,332.08
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1060			1060					120 120 120	BOP DRILL: 2/02/04
UNDERFLOW	1	1200	8.00	1	1200	8.00				120 120 120	SAFETY MEET: 2/02/01
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	BIT HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
13	222	SII F3H	LW2079	15.9	15.9	15.9	1329			0.75	2	0.75	2.66	10	15								
12	222	UD513	OO894	5	x	15.9	1325	1329	4	4.50	4	4.50	.88	7-10	55	3	7	BT	H		2	RG	PR

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152	110	1.3	9900	66.3	42.3	36.4
			50	.65	2050	RSPP @ 1321m								

1. RU / TO	0.00	6. TRIPPING	9.75	96.50	11. LOGGING	12.00	16. FISHING		0.00
2. DRILLING	5.25	245.50	7. RIG SERVICE	0.50	16.50	12. RUN/CMT CSG	6.25	17. PLUG BACK		0.00
3. REAMING	3.00	78.00	8. RIG REPAIR		2.00	13. WOC	4.00	18. BOP Drill	0.25	
4. CORING		13.00	9. SLIP LINE		1.50	14. HEAD UP BOP	18.00	19. HANDLE BHA	4.50	
5. CIRC. / COND.	0.75	22.50	10. SURVEYING		18.00	15. DST	38.25	20.		

HOLE DRAG: 10-15 up daN TORQUE: 2400 ACT / ALLOW HOOK LOAD: 56000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Reaming 1284m - 1325m. Held BOP drill. Drill ahead 1325m - 1329m. Pump pill and hoist to change bit. Flow check as required. Lay down 12 singles due to torque damage. (Belled boxes). Change BHA. Pick up directional tools. Will pressure test after running casing. Approval to do so from Chief Conservation Officer Terry Baker. Run in hole w/directional BHA. Wash 16m to bottom. No fill. Drill and survey 1329m - 1331m w/Sperry Sun.

0000hrs - 0800hrs: Drill ahead 1331m - 1360m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/06 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 32 / DAY # 35

Status at: 08:00 Hrs: Drill ahead @ 1436m.

24 Hour Summary: Drill and survey 1331m - 1408m w/Sperry Sun.

DEPTH 1,408.00 m	PROGRESS 77.00 m	PBTD m	TEMP: -26 °C, WEATHER: Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $61,464
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,786,608

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1423.00	1070	48	9	4.5	1	5	9.8	1	9.5	.045	32	500	660		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	1	sx
DESCO	2	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F3H	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.50
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	816.41
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,408.17
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1060			1060					120 120 120	BOP DRILL: 2/02/05
UNDERFLOW	1	1540	8.00	1	1510	8.00				120 120 120	SAFETY MEET: 2/02/05
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
13	222	SII F3H	LW2079	15.9	15.9	15.9	1329		77	21.50	79	22.25	3.58	10	110	O.	B.	D.					

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152	110	1.3	9900	66.3	42.3	36.4
			50	.65	2050	RSPP @ 1321m								

1. RU / TO		6. TRIPPING		11. LOGGING		16. FISHING		
2. DRILLING	21.50	7. RIG SERVICE	0.75	12. RUN/CMT CSG		17. PLUG BACK		
3. REAMING		8. RIG REPAIR		13. WOC		18. BOP Drill	0.25	
4. CORING		9. SLIP LINE		14. HEAD UP BOP		19.		
5. CIRC. / COND.		10. SURVEYING	1.50	15. DST		20.		

HOLE DRAG: 10-15 UP daN TORQUE: 2900 ACT / ALLOW HOOK LOAD: 56000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill and directional survey 1331m - 1408m w/Sperry Sun. (Held a BOP drill).

0000hrs - 0800hrs: Drill ahead 1408m - 1436m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/02/07 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 33	DAY # 36

Status at: 08:00 Hrs: Drilling ahead @ 1509m.

24 Hour Summary: Drill and survey 1408m - 1487m w/Sperry Sun.

DEPTH 1,487.00 m	PROGRESS 79.00 m	PBTD m	TEMP: -29 °C, WEATHER: Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $56,270
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,842,878

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	1500.00	1070	43	10	6.5	2	8	9.4	1	9.5	.045	41	500	640		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	28	sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth)

@ @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F3H	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.50
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	892.45
Kelly Down			6.84

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,477.97
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1065			1065					120 120 120	BOP DRILL: 2/02/06
UNDERFLOW	1	1560	16.00	1	1540	16.00				120 120 120	SAFETY MEET: 2/02/05
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
13	222	SII F3H	LW2079	15.9	15.9	15.9	1329			21.50	158	43.75	3.67	13	110	O.	B.	D.					

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152	110	1.3	10700	66.3	42.3	36.4
			49	.65	2460	RSPP @ 1473m								

1. RU / TO	0.00	6. TRIPPING	0.00	11. LOGGING	0.00	16. FISHING	0.00
2. DRILLING	21.50	21.50	7. RIG SERVICE	0.75	0.75	12. RUN/CMT CSG	0.00	17. PLUG BACK	0.00
3. REAMING	0.00	8. RIG REPAIR	0.00	13. WOC	0.00	18.	
4. CORING	0.00	9. SLIP LINE	0.00	14. HEAD UP BOP	0.00	19.	
5. CIRC. / COND.	0.00	10. SURVEYING	1.75	1.75	15. DST	0.00	20.	

HOLE DRAG: 10-15000 u daN TORQUE: 3100 ACT / ALLOW HOOK LOAD: 56000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill and survey 1408m - 1487m. (Held BOP drill w/crew back from days off).

0000hrs - 0800hrs: Drill ahead 1487m - 1509m.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

AFI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/08 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 34 / DAY # 37

Status at: 08:00 Hrs: Trip for bit.

24 Hour Summary: Drill and survey 1487m - 1549m.

DEPTH 1,549.00 m	PROGRESS 62.00 m	PBTD m	TEMP: -27 °C, WEATHER:
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $55,094
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,897,972

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	1559.00	1070	45	12	6	2	10	9.8	1	9.5	.045	40	500	720		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	2	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F3H	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.50
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	958.74
Kelly Down			11.58

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,549.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1065			1065					120 120 120	BOP DRILL: 2/02/06
UNDERFLOW	1	1580	24.00	1	1540	24.00				120 120 120	SAFETY MEET: 2/02/05
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
13	222	SII F3H	LW2079	15.9	15.9	15.9	1329		62	22.00	220	65.75	3.34	13	110	O.	B.	D.					

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	10800	8P80	216	152				66.3	42.3	36.4
			54	.65	2850	RSPP @ 1530								

1. RU / TO		0.00	6. TRIPPING		0.00	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING	22.00	43.50	7. RIG SERVICE	0.75	1.50	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		0.00	18. BOP Drill	0.25	
4. CORING		0.00	9. SLIP LINE		0.00	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.		0.00	10. SURVEYING	1.00	2.75	15. DST		0.00	20.		

HOLE DRAG: 5-15000 up daN TORQUE: 3000 ACT / ALLOW HOOK LOAD: 56000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill and survey 1487m - 1549m. (Held BOP drill).

0000hrs - 0800hrs: Drill and survey 1549m - 1564m. Circulate sample. Trip for bit.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/09 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 35 / DAY # 38

Status at: 08:00 Hrs: Drill ahead @ 1611m.

24 Hour Summary: Drill 1549m - 1564m. Circ. sample,POOH. RIH w/BHA,Slip & cut. RIH. Wash 25m. Drill 1564m - 1579m.

DEPTH 1,579.00 m	PROGRESS 30.00 m	PBTD m	TEMP: -30 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $78,676
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $4,976,648

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	1596.00	1070	44	10	7.5	2	9	9.7	1	9.5	.045	40	500	680		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	1	sx
BARITE	30	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F3H	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.50
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	996.26
Kelly Down			4.06

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,579.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1065			1065					120 120 120	BOP DRILL: 2/02/06
UNDERFLOW	1	1580	24.00	1	1540	24.00				120 120 120	SAFETY MEET: 2/02/05
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
13	222	SII F3H	LW2079	15.9	15.9	15.9	1329	1564	235	5.50	235	71.25	3.3	13	110	5	7	LT	A	E	4	RG	PR
14	222	SII F3H	MJ6491	15.9	15.9	15.9	1564			3.75	15	3.75	4	13	110	O.	B.	D.					

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	10600	8P80	216	152				66.3	42.3	36.4
			55	.65	2900	RSPP @ 1564								

1. RU / TO		0.00	6. TRIPPING	10.25	10.25	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING	9.25	52.75	7. RIG SERVICE	0.50	2.00	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		0.00	18. Handle BHA	1.25	
4. CORING		0.00	9. SLIP LINE	0.50	0.50	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.	1.25	1.25	10. SURVEYING	1.00	3.75	15. DST		0.00	20.		

HOLE DRAG: 10-20000 u daN TORQUE: 3500 ACT / ALLOW HOOK LOAD: 61,000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill and survey 1549m - 1564m w/Sperry Sun. Circulate sample. Pump pill and hoist to check bit. (Flow check as required). Handle BHA and run in hole w/BHA. Slip and cut and change oil in floor motor. Pulse test MWD. Finish running in hole. (Fill pipe @ 1134m). Wash 25m to bottom. 1m of fill. Drill and survey 1564m - 1579m w/Sperry Sun.

0000hrs - 0800hrs update:Drill and survey 1579m - 1611m w/Sperry Sun.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/10 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 36 / DAY # 39

Status at: 08:00 Hrs: RIH w/bit #15.

24 Hour Summary: Drill & survey 1579m-1660m. Circ. Pump pill, Trip out f/bit.

DEPTH 1,660.00 m	PROGRESS 81.00 m	PBTD m	TEMP: -30 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $54,526
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,031,174
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	1660.00	1070	45	11	6	2	10	9.6	1	9	.045	38	500	760		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC	2	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	2	sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F3H	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.50
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,071.96
Kelly Down			9.36

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW		1065			1065					120 120 120	
UNDERFLOW	1	1540	24.00	1	1520	24.00				120 120 120	

Total Length: 1,660.00

LAST

PRESS TEST:	2/01/20
BOP DRILL:	2/02/06
SAFETY MEET:	2/02/05
RIG INSPECT:	2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
13	222	SII F3H	LW2079	15.9	15.9	15.9	1329	1564	235	5.50	235	71.25	3.3	13	110	5	7	LT	A	E	4	RG	PR
14	222	SII F3H	MJ6491	15.9	15.9	15.9	1564	1660	96	20.25	96	24.00	4	13	110	8	8	LT	A	E	0	BT	PR
15	222	REED TD53A	P09001	15.9	15.9	15.9	1660																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	10500	8P80	216	152				66.3	42.3	36.4
			54	.65	2780	RSPP @ 1653								

1. RU / TO		0.00	6. TRIPPING	1.25	11.50	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING	20.25	73.00	7. RIG SERVICE	0.75	2.75	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		0.00	18.		
4. CORING		0.00	9. SLIP LINE		0.50	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.	0.50	1.75	10. SURVEYING	1.25	5.00	15. DST		0.00	20.		

HOLE DRAG: 10-20up daN TORQUE: 3500 ACT / ALLOW HOOK LOAD: 63000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill and survey 1579m - 1660m w/Sperry Sun. Circulate sample. Pump pill. Trip out for bit. Flow check as required.

0000hrs - 0800hrs update: Finish tripping out f/bit. Handle BHA. Run in w/bit #15. Fill pipe @ 1110m. Continue tripping in.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/11 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 37 / DAY # 40

Status at: 08:00 Hrs: Drilling ahead @ 1746m.

24 Hour Summary: POOH f/bit. Handle BHA. RIH. Pulse test. RIH. Wash to BTM. Drill ahead 1660m - 1716m.

DEPTH 1,716.00 m	PROGRESS 56.00 m	PBTD m	TEMP: -28 °C, WEATHER: Overcast
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1075.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $71,093
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,102,267
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	1731.00	1075	44	11	5	2	8	10.2	1	9.5	.05	38	500	740		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	2	sx
DESCO	3	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit TD53A-M	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.50
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	129.09
Kelly Down			8.23

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 716.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1065			1065					120 120 120	BOP DRILL: 2/02/06
UNDERFLOW	1	1540	24.00	1	1520	24.00				120 120 120	SAFETY MEET: 2/02/05
											RIG INSPECT: 2/01/20

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
13	222	SII F3H	LW2079	15.9	15.9	15.9	1329	1564	235	5.50	235	71.25	3.3	13	110	5	7	LT	A	E	4	RG	PR
14	222	SII F3H	MJ6491	15.9	15.9	15.9	1564	1660	96	20.25	96	24.00	4	13	110	8	8	LT	A	E	0	BT	PR
15	222	REED TD53A	P09001	15.9	15.9	15.9	1660			15.25	56	15.25	3.67	13	110	O.	B.	D.					

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	10300	8P80	216	152				66.3	42.3	36.4
			54	.65	2700	RSPP @ 1691								

1. RU / TO		0.00	6. TRIPPING	5.50	17.00	11. LOGGING	0.00	16. FISHING	0.00
2. DRILLING	15.25	88.25	7. RIG SERVICE	0.75	3.50	12. RUN/CMT CSG	0.00	17. PLUG BACK	0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC	0.00	18. Handle BHA	0.75
4. CORING		0.00	9. SLIP LINE		0.50	14. HEAD UP BOP	0.00	19.	
5. CIRC. / COND.	0.75	2.50	10. SURVEYING	1.00	6.00	15. DST	0.00	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 63000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Trip out for bit. Function blind rams while out of hole. Handle BHA and change bit. Run in hole to 340m. Pulse test MWD. Run in hole to 1110m. Break circulation to fill pipe. Finish running in hole. Wash 10m to bottom. 0.50m of fill. Drill and survey 1660m - 1716m w/Sperry Sun.

0000hrs - 0800hrs update: Drill and survey 1716m - 1746m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/12 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 38 / DAY # 41

Status at: 08:00 Hrs: Drilling ahead @ 1780m.

24 Hour Summary: Drill 1716m - 1753m. Circ. P.O.O.H.. Handle BHA. Slip & cut. RIH. Drill & survey 1753m - 1760m.

DEPTH 1,760.00 m	PROGRESS 44.00 m	PBTD m	TEMP: -28 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $70,286
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,172,553
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	1771.00	1070	45	12	6	1.5	7	8.6	1	9.5	.045	36	600	720		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	2	sx
DESCO	2	sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F4	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.50
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,176.64
Kelly Down			4.68

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,760.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1065			1065					120 120 120	BOP DRILL: 2/02/06
UNDERFLOW	1	1540	24.00	1	1520	24.00				120 120 120	SAFETY MEET: 2/02/11
											RIG INSPECT: 2/02/11

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
15	222	REED TD53A	P09001	15.9	15.9	15.9	1660	1753	93	9.00	93	24.25	3.83	13	110	8	7	LT	A	E	0	BT	PR
16	222	SII F4	MH9904	15.9	15.9	15.9	1753			2.50	7	2.50	2.8	13	110	O.	B.	D.					

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	10300	8P80	216	152				66.3	42.3	36.4
			54	.65	2800	RSPP @ 1755								

1. RU / TO		0.00	6. TRIPPING	8.25	25.25	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING	11.50	99.75	7. RIG SERVICE	0.50	4.00	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		0.00	18. HANDLE BHA	1.00	
4. CORING		0.00	9. SLIP LINE	0.75	1.25	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.	1.25	3.75	10. SURVEYING	0.75	6.75	15. DST		0.00	20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 63000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill and survey w/Sperry Sun 1716m - 1753m. Circulate sample, Pump pill and trip for bit. (Flow check as required), Strap out. Tally 1167.22m Strap 1167.64m Difference 0.42m. No correction made. Handle BHA. Run in hole w/BHA. Slip and cut line. Pulse test MWD. Run in hole. Wash 12 m to bottom. No fill. Hole in good shape. Drill and survey w/Sperry Sun 1753m - 1760m.

0000hrs - 0800hrs update: Drill and survey 1760m - 1780m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/13 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 39 / DAY # 42

Status at: 08:00 Hrs: Drilling ahead @ 1854m.

24 Hour Summary: Drill and survey w/Sperry Sun 1760m - 1828m.

DEPTH 1,828.00 m	PROGRESS 68.00 m	PBTD m	TEMP: -23 °C, WEATHER: Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1075.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $54,711
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,227,264
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	1842.00	1075	42	11	5	1	6	8.8	1	9.5	.05	36	700	720		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA	1	sx
DESCO	1	sx
AQUAPAC	3	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE	3	sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F4	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.50
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,244.37
Kelly Down			7.63

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,830.68
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1070			1070					120 120 120	BOP DRILL: 2/02/06
UNDERFLOW	1	1760	24.00	1	1700	24.00				120 120 120	SAFETY MEET: 2/02/11
											RIG INSPECT: 2/02/11

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
15	222	REED TD53A	P09001	15.9	15.9	15.9	1660	1753	93	9.00	93	24.25	3.83	13	110	8	7	LT	A	E		BT	PR
16	222	SII F4	MH9904	15.9	15.9	15.9	1753		68	21.75	75	24.25	3.09	13	110	O.	B.	D.					

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	10300	8P80	216	152				66.3	42.3	36.4
			54	.65	2800	RSPP @ 1800								

1. RU / TO		0.00	6. TRIPPING		25.25	11. LOGGING		0.00	16. FISHING		0.00
2. DRILLING	21.75	121.50	7. RIG SERVICE	0.75	4.75	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		0.00	18.		
4. CORING		0.00	9. SLIP LINE		1.25	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.		3.75	10. SURVEYING	1.50	8.25	15. DST		0.00	20.		

HOLE DRAG: 10-20up daN TORQUE: 4000 ACT / ALLOW HOOK LOAD: 66000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill and survey 1760m - 1828m w/Sperry Sun.

0000hrs - 0800hrs update:Drill and survey 1828m - 1854m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/14 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 40 / DAY # 43

Status at: 08:00 Hrs: Logging w/Schlumberger.

24 Hour Summary: Drill & survey 1828m -1857m. Circ. Wiper trip 10stds. Circ. POOH. Lay down dirc. tools. Log w/Schlumber.

DEPTH 1,857.00 m	PROGRESS 29.00 m	PBTD m	TEMP: -22 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $60,243
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,287,507

MUD TYPE: GEL/CHEM MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
12:40	1857.00	1075	56	15	8	4	12	8.2	1	10	.05	41	2400	640		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	12	sx
CAUSTIC SODA	2	sx
DESCO	2	sx
AQUAPAC	2	sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F4	222.00		0.25
Mud Motor	171.00	113.50	6.00
Dump Sub	167.00	64.00	0.51
Float sub	164.00	58.00	0.59
3 Non-Mag Drill Collars and Hang Off Sub	170.00	73.00	32.93
XO	169.00	72.00	0.74
2 DC's	158.00	63.50	18.33
Jars	171.00	63.00	4.50
16 DC's	158.00	63.50	147.26
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,273.58
Kelly Down			5.45

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,857.71
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/01/20
OVERFLOW		1070			1070					120 120 120	BOP DRILL: 2/02/13
UNDERFLOW	1	1760	16.00	1	1770	16.00				120 120 120	SAFETY MEET: 2/02/13
											RIG INSPECT: 2/02/11

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
15	222	REED TD53A	P09001	15.9	15.9	15.9	1660	1753	93	9.00	93	24.25	3.83	13	110	8	7	LT	A	E		BT	PR
16	222	SII F4	MH9904	15.9	15.9	15.9	1753	1857	29	32.25	104	32.25	3.22	13	110	1	2	WT	A	E	0	NO	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	110	1.3	10300	8P80	216	152				66.3	42.3	36.4
			54	.65	2850	RSPP @ 1857								

1. RU / TO		0.00	6. TRIPPING		7.00	32.25	11. LOGGING	2.25	2.25	16. FISHING	0.00
2. DRILLING	8.00	129.50	7. RIG SERVICE		0.50	5.25	12. RUN/CMT CSG		0.00	17. PLUG BACK	0.00
3. REAMING		0.00	8. RIG REPAIR			0.00	13. WOC		0.00	18. Safety Mtg.	0.25
4. CORING		0.00	9. SLIP LINE			1.25	14. HEAD UP BOP		0.00	19. BOP Drill	0.25
5. CIRC. / COND.	3.50	7.25	10. SURVEYING		0.50	8.75	15. DST		0.00	20. Handle Tools	1.75

HOLE DRAG: 10-22up daN TORQUE: 4300 ACT / ALLOW HOOK LOAD: 66000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill and survey 1828m - 1857m. Intermediate TD @ 0845hrs Feb.13/02. Pull up 9m and circulate sample. Held a safety meeting w/crew. Wiper trip 10 stands. Circulate 9m off of bottom. Hoist to log. (SLM). Flow check as required. Held a BOP drill w/crew back from days off. Lay down directional tools. Rig to and log w/Schlumberger.

0000hrs - 0800hrs update: Log w/Schlumberger: Loggers TD 1857.50m. First log to bottom @ 0040hrs Feb.14/02.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/15 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 41 / DAY # 44

Status at: 08:00 Hrs: Logging w/Schlumberger

24 Hour Summary: Logging w/Schlumberger.Ran DLT,MSFL,BHC,GR. DIT,LDT,MLT,GR. FMI-GR MDT. 1857.5M - 517M.

DEPTH 1,857.00 m	PROGRESS 0.00 m	PBTD m	TEMP: -23 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: 3944.00 kPaw/ 1070.00 kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $50,249
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,337,756
MUD TYPE: GEL/CHEM	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1857.00	1070	52	14	6.5	2	9	8.2	1	9.5	.45	41	2400	640		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA		sx
DESCO	4	sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH	1	sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F4	222.00		
16 DC's	158.00	63.50	
XO	170.00	71.00	
40 HW Drill Pipe	101.60	65.10	
DP	101.60	84.80	
Kelly Down			

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length:
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW		1070			1070					120 120 120	
UNDERFLOW	1	1760	8.00	1	1770	8.00				120 120 120	

LAST: PRESS TEST: 2/01/20; BOP DRILL: 2/02/13; SAFETY MEET: 2/02/14; RIG INSPECT: 2/02/11

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
15	222	REED TD53A	P09001	15.9	15.9	15.9	1660	1753	93	9.00	93	24.25	3.83	13	110	8	7	LT	A	E		BT	PR
16	222	SII F4	MH9904	15.9	15.9	15.9	1753	1857	104	32.25	104	32.25	3.22	13	110	1	2	WT	A	E		NO	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152						
			54	.65	2850	RSPP @ 1857								

1. RU / TO	0.00	6. TRIPPING	32.25	11. LOGGING	24.00	26.25	16. FISHING	0.00
2. DRILLING	129.50	7. RIG SERVICE	5.25	12. RUN/CMT CSG		0.00	17. PLUG BACK	0.00
3. REAMING	0.00	8. RIG REPAIR	0.00	13. WOC		0.00	18.	
4. CORING	0.00	9. SLIP LINE	1.25	14. HEAD UP BOP		0.00	19.	
5. CIRC. / COND.	7.25	10. SURVEYING	8.75	15. DST		0.00	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 66000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Log w/Schlumberger. First log to bottom @ 0040hrs Feb.14/02. Loggers TD 1857.50m. Run #1: Ran DLT-MSFL-BHC-GR from 1857.50m - 517m. Run #2: Ran DIT-LDT-CNL-MLT-GR from 1857.50m - 517m. Run #3: Ran FMI-GR from 1857.50m - 517m. Run #4:MDT
Hole in good shape.
0000HRS - 0800HRS UPDATE: Log w/Schlumberger. Run #4:MDT.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/16 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 42 / DAY # 45

Status at: 08:00 Hrs: Running 177.8mm casing.

24 Hour Summary: Log, Run clean out trip. Circ. POOH to run casing. Lay down drill collars.

DEPTH 1,857.00 m	PROGRESS 0.00 m	PBTD m	TEMP: -24 °C, WEATHER: Light snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 244.50 mm@ 517.32 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $270,142
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,607,898
MUD TYPE: GEL/CHEM		MUD CO.: CONCORD	

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1857.00	1070	52	14	6.5	2	9	8.2	1	9.5	.45	41	2400	640		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F4	222.00		0.25
Bit sub	155.00	63.50	0.86
4 DC's	158.00	63.50	36.65
Jars	171.00	63.00	4.50
14DC's	158.00	63.50	128.94
XO	170.00	71.00	0.28
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,302.38
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN	SIZE
OVERFLOW										120 120 120	
UNDERFLOW	1		0.00	1		0.00				120 120 120	

Total Length: 1,854.23

LAST

PRESS TEST:	2/01/20
BOP DRILL:	2/02/13
SAFETY MEET:	2/02/14
RIG INSPECT:	2/02/11

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
15	222	REED TD53A	P09001	15.9	15.9	15.9	1660	1753	93	9.00	93	24.25	3.83	13	110	8	7	LT	A	E		BT	PR
16	222	SII F4	MH9904	15.9	15.9	15.9	1753	1857	104	32.25	104	32.25	3.22	13	110	1	2	WT	A	E		NO	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP	JET VEL (m/sec)
8P80	216	152				8P80	216	152						
			54	.65	2850	RSPP @ 1857								

1. RU / TO		0.00	6. TRIPPING	8.25	40.50	11. LOGGING	12.75	39.00	16. FISHING		0.00
2. DRILLING		129.50	7. RIG SERVICE	0.25	5.50	12. RUN/CMT CSG		0.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		0.00	18. Lay down DCs	1.00	
4. CORING		0.00	9. SLIP LINE		1.25	14. HEAD UP BOP		0.00	19.		
5. CIRC. / COND.	1.75	9.00	10. SURVEYING		8.75	15. DST		0.00	20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 66000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Log w/Schlumberger. Run #4: Ran MDT. Set 45 times. Losing seal. Received 5 pressures and 1 sample. Successful sets: 727.50m - 6863.64kPa, 710.05m - 6685.67kPa, 751.01m - 7097.69kPa, 1309.47m - 12791.45kPa, 1309.78m - 12801kPa. Rig out loggers. Run in hole w/bit. Pick up drill pipe. Tag bottom, no fill. Hoist 1 single and circulate hole clean. pump pill and hoist to run casing. (Lay down drill collars).

0000hrs - 0800hrs update:Lay down drill collars. Remove flow nipple and remove wear bushing. Held a safety meeting and run casing.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

AFI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/17 (YEAR/MONTH/DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 43 / DAY # 46

Status at: 08:00 Hrs: Make up BHA. (Pick up 121mm drill collars.

24 Hour Summary: Run casing. Circulate. Cement w/Schlumberger. Install seal assembly. Pressure test BOPs.

DEPTH 1,857.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -27 °C, WEATHER: Light Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $231,278
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,839,176
MUD TYPE: GEL/CHEM		MUD CO.: CONCORD	

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	1857.00	1070	52	14	6.5	2	9	8.2	1	9.5	.45	41	2400	640		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL	2	sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit F4	222.00		
Bit sub	155.00	63.50	
4 DC's	158.00	63.50	
Jars	171.00	63.00	
14DC's	158.00	63.50	
XO	170.00	71.00	
40 HW Drill Pipe	101.60	65.10	
DP	101.60	84.80	
Kelly Down			

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length:
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW										120 120 120	LAST PRESS TEST: 2/01/20
UNDERFLOW	1			1						120 120 120	BOP DRILL: 2/02/13
											SAFETY MEET: 2/02/16
											RIG INSPECT: 2/02/11

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
15	222	REED TD53A	P09001	15.9	15.9	15.9	1660	1753	93	9.00	93	24.25	3.83	13	110	8	7	LT	A	E		BT	PR
16	222	SII F4	MH9904	15.9	15.9	15.9	1753	1857	104	32.25	104	32.25	3.22	13	110	1	2	WT	A	E		NO	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	100	1.18	2500	8P80	216	152						
			54	.65	2850	RSPP @ 1857								

1. RU / TO	0.00	6. TRIPPING	0.75	41.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	129.50	7. RIG SERVICE	0.25	5.75	12. RUN/CMT CSG	15.00	15.00	17. PLUG BACK		0.00
3. REAMING	0.00	8. RIG REPAIR		0.00	13. WOC	4.00	4.00	18. Safety meeting	0.75	
4. CORING	0.00	9. SLIP LINE		1.25	14. HEAD UP BOP		0.00	19. H.Wear Bushing	1.25	
5. CIRC. / COND.	2.00 11.00	10. SURVEYING		8.75	15. DST		0.00	20.		

HOLE DRAG: daN | TORQUE: | ACT / ALLOW HOOK LOAD: 66000 / 90000 daN | WEAK LINK: DRILL PIPE

Remarks : Lay down drill collars. Ran 26 joints (469.07m) of 177.8mm,38.69kg/m,J-55 casing. Followed w/115 joints (1346.60m) of 177.8mm 34.23kg/m,J-55 casing. Followed w/2 joints (24.99m) of 177.8mm,38.69kg/m,J-55 casing. Followed w/fluted mandrel joint and landing joint. Total string length 1854.68m. Landed @ 1854.08m. PBTD - 1853.48m. Circulated and conditioned mud and hole for cementing. Held a safety meeting w/all personnel. Schlumberger cemented w/3m3 CW100 preflush, 4m3 Mudpush XL. Mixed 36.5tonne RFC + 1.0%B139 + 0.4% D13 + 0.2% D46. 33.58m3 slurry @ 1740 kg/m3. Released plug and displaced w/37.9m3 H2O. Bumped plug w/19,500kPa @ 1951hrs Feb.16/02. 5.0m3 good cement returns. Float and annulus holding. Cement calculated w/log volume + 30% excess.
W.O.C. Install seal assembly and test plug. Pressure test BOPs and all related equipment.
Clean rig tanks w/vacuum truck.
0000hrs - 0800hrs update:Pressure test BOPs and all related equipment as per NEB regulations. Install upper wear bushing. Clean tanks and mix salt. Make up BHA. Pick up 121mm drill collars.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/18 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 44 / DAY # 47

Status at: 08:00 Hrs: Drilling out cement @ 1854m.

24 Hour Summary: Pressure test BOPs, Handle BHA, Mix salt mud. RIH,Test lower pipe rams. Displace hole to salt mud.

DEPTH 1,857.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -30 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 18.10 kPa 522.00 m	DAILY COST: $67,642
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,906,818
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
06:15	1837.00	1140	51	15	20	13	18			13			150000	1600		

Mud Additives

Product	Amount	Units
BENTONITE NATURAL GEL		sx
CAUSTIC SODA		sx
DESCO	3	sx
AQUAPAC		sx
SUPERVISION	1	Day
SODA ASH		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
KWIK SEAL		sx
DEFOAMER		Pails
SALT	270	sx

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.92
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,302.48
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER		Total Length: 1,788.37
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE		LAST: PRESS TEST: 2/02/17
OVERFLOW										120 120 120		BOP DRILL: 2/02/17
UNDERFLOW	1			1						120 120 120		SAFETY MEET: 2/02/16
												RIG INSPECT: 2/02/17

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
17	156	REED SL53A	MB5882	15.9	15.9	15.9	1857																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152		1.18		8P80	216	152						
						RSPP @								

1. RU / TO	0.00	6. TRIPPING	5.50	46.75	11. LOGGING		39.00	16. FISHING	0.00
2. DRILLING	129.50	7. RIG SERVICE		5.75	12. RUN/CMT CSG		15.00	17. PLUG BACK	0.00
3. REAMING	0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18. Test BOPs	7.00
4. CORING	0.00	9. SLIP LINE		1.25	14. HEAD UP BOP	0.50	0.50	19.	
5. CIRC. / COND.	11.00	22.00	10. SURVEYING		8.75	15. DST		0.00	20.

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 66000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Pressure test BOPs and all related equipment as per NEB regulations. Install upper wear bushing. Make up BHA and stand in derrick. Mix and condition salt mud. Pressure test bottom pipe rams. Run in hole. Tag cement @ 1809m. Displace hole to salt saturated mud.

0000hrs - 0800hrs update: Finish displacing hole to salt mud. Drill out cement 1809m - 1854m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

A/I: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/19 (YEAR MONTH DAY)
ence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 45 / DAY # 48

Status at: 08:00 Hrs: Depth 1963m Work stuck pipe.

24 Hour Summary: Displace hole over to salt, drill out and do PIT test to 22.1kpa/m. Drill ahead from 1856m to 1933m

DEPTH 1,933.00 m	PROGRESS 76.00 m	PBTD 1,853.48 m	TEMP: -25 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17875.00 kPaw/ 1270.00 kg/m³		FLOT: 22.10 kPa 1854.00 m	DAILY COST: $55,930
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $5,962,748
MUD TYPE: SALT SATURATED		MUD CO.: CONCORD	

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:30	1963.00	1270	54	28	23	12.5	20	20	2	9.5	.16	55	200000	700		

Mud Additives

Product	Amount	Units
BICARBONATE OF SODA	5	sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC	9	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE	8	sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	2	sx
DEFOAMER		Pails
SALT	360	sx

DEVIATION SURVEYS (Degrees@Depth)

1 @	1864
2 @	1893
2.5 @	1913
2.5 @	1933
2 @	1963
@	
@	
@	
@	
@	
@	
@	
@	
@	

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,448.12
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,933.94
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										120 120 120	BOP DRILL: 2/02/17
UNDERFLOW	1			1						120 120 120	SAFETY MEET: 2/02/16
											RIG INSPECT: 2/02/17

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
17	156	REED SL53A	MB5882	15.9	15.9	15.9	1857		76	19.50	76	19.50	3.89	6	65								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP	JET VEL (m/sec)
8P80	216	152	60	.71	4700	8P80	216	152						
						RSPP @								

1. RU / TO		0.00	6. TRIPPING		46.75	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	19.50	149.00	7. RIG SERVICE	0.75	6.50	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18. Pressure Test	1.00	
4. CORING		0.00	9. SLIP LINE		1.25	14. HEAD UP BOP		0.50	19. BOP Drill	0.50	
5. CIRC. / COND.	1.50	23.50	10. SURVEYING	0.75	9.50	15. DST		0.00	20.		

HOLE DRAG: 3 daN TORQUE: 2900 ACT / ALLOW HOOK LOAD: 60000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Displaced hole over to salt mud, mix volume. Pick up and make up BHA. Drill out cement. Tagged cmt @ 1809m. BOP drill. Drill ahead from 1854m to 1865m. Run PIT test to equivant of 22.1kpa/m. O.K. Drill ahead from 1865m to 1933m. Surveys as required.

00:00 to 08:00 Drill ahead from 1933m to 1963m. Survey as required. Pipe stuck. Work stuck pipe. Mix up pipe free pill and spot.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/20 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 46 / DAY # 49

Status at: 08:00 Hrs: Drilling ahead 156mm hole

24 Hour Summary: Drilled to 1963m. Work stuck pipe, displace hole to fresh water, Free pipe and trip bit.

DEPTH 1,963.00 m	PROGRESS 30.00 m	PBTD 1,853.48 m	TEMP: -30 °C, WEATHER: Light snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17875.00 kPaw/ 1270.00 kg/m³		FLOT: 22.10 kPa 1854.00 m	DAILY COST: $50,287
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,014,100

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:30	1963.00	1270	54	28	23	12.5	20	20	2	9.5	.16	55	200000	700		

Mud Additives

Product	Amount	Units
BICARBONATE OF SODA		sx
CAUSTIC SODA	1	sx
DESCO	3	sx
AQUAPAC	2	sx
SUPERVISION	1	Day
POLYLOSS	10	sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
SODIUM SULFITE	2	sx
PIPEOUT	3	Pails
SALT		sx
TONITE NATURAL GEL	13	Sack
DE 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth): 2 @ 1963

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,477.35
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,963.17
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										120 120 120	BOP DRILL: 2/02/19
UNDERFLOW	1			1						120 120 120	SAFETY MEET: 2/02/19
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
17	156	REED SL53A	MB5882	15.9	15.9	15.9	1857	1963	30	3.75	106	23.25	4.55	6	65	2	2	NO	A	E	I	NO	HP
18	156	REED SL53A	LR2790	15.9	15.9	15.9	1963																

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	4700	8P80	216	152						
						RSPP @								

1. RU / TO		0.00	6. TRIPPING	4.50	51.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	3.75	152.75	7. RIG SERVICE	0.25	6.75	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18. Stuck Pipe	13.75	
4. CORING		0.00	9. SLIP LINE		1.25	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	1.50	25.00	10. SURVEYING	0.25	9.75	15. DST		0.00	20.		

HOLE DRAG: 2 daN TORQUE: ACT / ALLOW HOOK LOAD: 60000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead from 1933m to 1963m. Survey as required. Differantially stuck. Work pipe and jars. Spot 2m2 pill (diesel and pipe free) Work pipe and jars. Displace hole over to fresh water and work pipe and jars. Pipe came free. Pulled into shoe and displace hole back to mud. Trip bit # 17. Check pipe on trip out.

00:00 to 08:00 Service Teledrift, make up bit # 18 and RIH. Slip and cut line. Break circ and wash to bottom from 1930m. Drill ahead.

[illegible]B rig check. O.K.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/21 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 47 / DAY # 50

Status at: 08:00 Hrs: Drilling ahead 156mm hole @ 2095m. 6m/hr

24 Hour Summary: Drill ahead 156mm hole from 1963m to 2049m 5 to 6m/h

DEPTH 2,049.00 m	PROGRESS 86.00 m	PBTD 1,853.48 m	TEMP: -25 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17966.00 kPaw/ 1265.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $65,061
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,079,161

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	2070.00	1265	53	24	10	7	10	12.2	1.2	9	.16	65	190000	600		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	30	sx
CAUSTIC SODA	2	sx
DESCO	1	sx
AQUAPAC	6	sx
SUPERVISION	1	Day
POLYLOSS	20	sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	2	sx
PIPEOUT		Palls
SALT	20	sx
[illegible]TONITE NATURAL GEL		Sack
[illegible]DE 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth): 2.5 @ 1978; 2 @ 2016; @; @; @; @; @; @; @; @; @; @; @; @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,564.93
Kelly Down			11.33

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,049.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										120 120 120	BOP DRILL: 2/02/20
UNDERFLOW	1			1						120 120 120	SAFETY MEET: 2/02/19
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
17	156	REED SL53A	MB5882	15.9	15.9	15.9	1857	1963	30	3.75	106	23.25	4.55	6	65	2	2	NO	A	E	I	NO	HP
18	156	REED SL53A	LR2790	15.9	15.9	15.9	1963		86	15.00	86	15.00	5.73	6	70								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5500	8P80	216	152						
			53		4220	RSPP @ 2031m								

1. RU / TO		0.00	6. TRIPPING	5.75	57.00	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	15.00	167.75	7. RIG SERVICE	0.75	7.50	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18. Service Teledrift	0.25	
4. CORING		0.00	9. SLIP LINE	0.75	2.00	14. HEAD UP BOP		0.50	19. BOP drill	0.25	
5. CIRC. / COND.		25.00	10. SURVEYING	0.75	10.50	15. DST		0.00	20. Corrosion Ring	0.50	

HOLE DRAG: 12 daN TORQUE: 3200 ACT / ALLOW HOOK LOAD: 53000 / 90000 daN WEAK LINK: DRILL PIPE

Remarks : Service teledrift tool, make up bit # 18 and RIH to 1270m. Slip and cut drilling line. Con't RIH to 1930m. Break circ and wash to bottom. Break in bit and drill ahead 156mm hole from 1963m to 2049m. Avg ROP 6m/hr. BOP drills held. Surveys as required. Install corroision ring.

00:00 to 0800 Drill ahead from 2049m to 2095m 6m/hr

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/02/22 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 48	DAY # 51

Status at: 08:00 Hrs: Drilling ahead 156mm hole @ 2175m 4m to 10m/hr

24 Hour Summary: Drilled to 2117m. Trip bit and drill ahead to 2123m.

DEPTH 2,123.00 m	PROGRESS 74.00 m	PBTD 1,853.48 m	TEMP: -30 °C, WEATHER: Overcaste
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17875.00 kPaw/ 1270.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $54,930
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,134,091

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
05:00	2156.00	1270	63	28	9	5	10	10	1.2	9.5	.16	55	190000	840		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA	2	sx
DESCO		sx
AQUAPAC	2	sx
SUPERVISION	1	Day
POLYLOSS	10	sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
SODIUM SULFITE	1	sx
PIPEOUT		Pails
SALT		sx
[illegible]TONITE NATURAL GEL		Sack
[illegible]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth): 2.5 @ 2046; 2.5 @ 2074; 1.5 @ 2104; @; @; @; @; @; @; @; @; @; @; @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,642.81
Kelly Down			8.05

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,123.60
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										120 120 120	BOP DRILL: 2/02/21
UNDERFLOW	1			1						120 120 120	SAFETY MEET: 2/02/19
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
17	156	REED SL53A	MB5882	15.9	15.9	15.9	1857	1963	30	3.75	106	23.25	4.55	6	65	2	2	NO	A	E	I	NO	HP
18	156	REED SL53A	LR2790	15.9	15.9	15.9	1963	2117	68	11.75	154	26.75	5.73	6	70	2	2	WT	A	3	I	NO	PR
19	156	REED EHP53	CB6693	15.9	15.9	15.9	2117		6	2.00	6	2.00	3	10	70								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	6600	8P80	216	152				93	60	20
			48		3450	RSPP @ 2060m								

1. RU / TO		0.00	6. TRIPPING	7.25	64.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	13.75	181.50	7. RIG SERVICE	0.75	8.25	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18. BOP Drill	0.25	
4. CORING		0.00	9. SLIP LINE		2.00	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	1.25	26.25	10. SURVEYING	0.75	11.25	15. DST		0.00	20.		

HOLE DRAG: 15 daN TORQUE: 3500 ACT / ALLOW HOOK LOAD: 54000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drilled ahead from 2049m to 2117m. 6m/hr. ROP slowed to 2m/hr. Circ up sample and hoist bit # 18. Change out bit and RIH to 2109m. Break circ and wash to bottom from 2109m. 1m fill. Break in bit and drill ahead from 2117m to 2123m.

00:00 to 08:00 Drill ahead from 2123m to 2175m. 4 to 10m/hr.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/23 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 49 / DAY # 52

Status at: 08:00 Hrs: Drilling ahead 156mm hole from 2249m to 2270m. 1.5m/hr Formation: Mount Cap ?

24 Hour Summary: Drilling ahead from 2123m to 2249m. 2.5m/h to 10m/hr

DEPTH 2,249.00 m	PROGRESS 126.00 m	PBTD 1,853.48 m	TEMP: -30 °C, WEATHER: Overcaste
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17693.00 kPaw/ 1280.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $60,510
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,194,601

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:10	2258.00	1280	48	18	9.5	5	7.5	9.2	1.6	10	.17	50	190000	720		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA	2	sx
DESCO		sx
AQUAPAC	2	sx
SUPERVISION	1	Day
POLYLOSS	10	sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
PIPEOUT		Pails
SALT		sx
[illegible]ONITE NATURAL GEL		Sack
[illegible]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

2133 @ MR
2162 @ 2.5
2191 @ MR
2201 @ 1.5
2231 @ 0.5
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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,769.27
Kelly Down			6.99

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,249.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										120 120 120	BOP DRILL: 2/02/22
UNDERFLOW	1			1						120 120 120	SAFETY MEET: 2/02/22
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
19	156	REED EHP53	CB6693	15.9	15.9	15.9	2117		126	22.00	132	24.00	5.5	8	70								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5300	8P80	216	152				93	60	20
			53		4400	RSPP @ 2245m								

1. RU / TO		0.00	6. TRIPPING		64.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	22.00	203.50	7. RIG SERVICE	0.75	9.00	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		2.00	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.		26.25	10. SURVEYING	1.25	12.50	15. DST		0.00	20.		

HOLE DRAG: 6 daN TORQUE: 3500 ACT / ALLOW HOOK LOAD: 54000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead 156mm hole from 2123m to 2249m. Surveys as required.

00:00 to 08:00 Drilling ahead from 2249m to 2270m ROP fro 1.5m/h Formation: Mount Cap ?

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/24 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 50 / DAY # 53

Status at: 08:00 Hrs: Drilled to 2325m Trip bit # 19

24 Hour Summary: Drilled 156mm hole from 2249m to 2310m

DEPTH 2,310.00 m	PROGRESS 61.00 m	PBTD 1,853.48 m	TEMP: -28 °C, WEATHER: Clear, & Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17966.00 kPaw/ 1265.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $47,900
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,242,501

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	2318.00	1265	49	15	9	4	9	8.4	2.2	10	.16	55	170000	740		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	20	sx
CAUSTIC SODA	2	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	1	sx
PIPEOUT		Pails
SALT		sx
[illegible]ONITE NATURAL GEL		Sack
[illegible]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth): 2259 @ 2.5; 2284 @ 2; @; @; @; @; @; @; @; @; @; @; @; @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,827.64
Kelly Down			9.69

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW										120 120 120	LAST
UNDERFLOW	1			1						120 120 120	

Total Length: 2,310.07

PRESS TEST:	2/02/17
BOP DRILL:	2/02/22
SAFETY MEET:	2/02/22
RIG INSPECT:	2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
19	156	REED EHP53	CB6693	15.9	15.9	15.9	2117		61	22.75	193	46.75	4.12	8	70								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5300	8P80	216	152				93	60	20
			54		4040	RSPP @ 2303m								

1. RU / TO		0.00	6. TRIPPING		64.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	22.75	226.25	7. RIG SERVICE	0.75	9.75	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		2.00	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.		26.25	10. SURVEYING	0.50	13.00	15. DST		0.00	20.		

HOLE DRAG: 8 daN TORQUE: 3800 ACT / ALLOW HOOK LOAD: 54000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drilled ahead 156mm hole from 2249m to 2310m. Surveys as required.

00:00 to 08:00 Drill ahead 156mm hole from 2310m to 2325m. Survey as required. Formation: Mount Cap
Circ up sample and hoist bit # 19

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/25 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 51 / DAY # 54

Status at: 08:00 Hrs: Drilling ahead 156mm hole @ 2341m 1.5m to 2m/hr

24 Hour Summary: Drilled ahead to 2325m. Hoist bit # 19. RIH and drill ahead 156mm hole to 2330m.

DEPTH 2,330.00 m	PROGRESS 20.00 m	PBTD 1,853.48 m	TEMP: -28 °C, WEATHER: Clear & Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 18146.00 kPaw/ 1255.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $57,221
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,299,722

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+	OIL (%)
04:00	2335.00	1255	53	16	10	5	7	11	2.4	10	.15	50	170000	720		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	40	sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
SODIUM SULFITE	3	sx
PIPEOUT		Pails
SALT	40	sx
[illegible]ONITE NATURAL GEL		Sack
[illegible]E 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,847.11
Kelly Down			10.15

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,330.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										145 145 120	BOP DRILL: 2/02/24
UNDERFLOW	1			1						145 145 120	SAFETY MEET: 2/02/24
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
19	156	REED EHP53	CB6693	15.9	15.9	15.9	2117	2325	15	6.75	208	53.50	3.88	8	70	3	4	FC	A	7		BT	PR
17RR	156	REED SL53A	MB5882	15.9	15.9	15.9	2325		5	6.50	5	6.50	.8	10	70								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	4770	8P80	216	152				93	60	20
			54		4040	RSPP @ 2303m								

1. RU / TO		0.00	6. TRIPPING	7.50	71.75	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	13.25	239.50	7. RIG SERVICE	0.50	10.25	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		2.00	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	2.75	29.00	10. SURVEYING		13.00	15. DST		0.00	20.		

HOLE DRAG: 5 daN TORQUE: 3500 ACT / ALLOW HOOK LOAD: 57000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drilled ahead from 2310m to 2312m. Circ up sample. Drill ahead from 2312m to 2325m. ROP slowed down. Surveys as required. Circ up sample and hoist bit #19. Flow checks as required. Make up bit # 17RR and RIH to 2310m. Break circ and wash to bottom. 1.5m fill. Drill ahead 156mm hole from 2325m to 2330m.

00:00 to 08:00 Drill ahead 156mm hole from 2330m to 2341m. 1.4 to 2m/hr.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/26 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 52 / DAY # 55

Status at: 08:00 Hrs: RIH w/ bit # 20

24 Hour Summary: Drilled from 2330m to 2360m Surveys as required

DEPTH 2,360.00 m	PROGRESS 30.00 m	PBTD 1,853.48 m	TEMP: -28 °C, WEATHER: Windy & Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 18146.00 kPaw/ 1255.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $49,122
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,348,844

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	2335.00	1250	48	16	10	5	7	9	2.4	10	.15	50	170000	720		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	20	sx
CAUSTIC SODA	1	sx
DESCO	1	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
SODIUM SULFITE	2	sx
PIPEOUT		Pails
SALT	40	sx
[illegible]ONITE NATURAL GEL		Sack
[illegible]E 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth): 2319 @ 3.5; 2337 @ 2; @; @; @; @; @; @; @; @; @; @; @; @

MUD LOSSES: DAILY m³ / CUM: m³

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,876.30
Kelly Down			10.96

Total Length: 2,360.00

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW		1240	4.00		1235	4.00				145 145 120	
UNDERFLOW	1	1495	4.00	1	1580	4.00				145 145 120	

LAST: PRESS TEST: 2/02/17; BOP DRILL: 2/02/24; SAFETY MEET: 2/02/24; RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
19	156	REED EHP53	CB6693	15.9	15.9	15.9	2117	2325	15	6.75	208	53.50	3.88	8	70	3	4	FC	A	7	I	BT	PR
17RR	156	REED SL53A	MB5882	15.9	15.9	15.9	2325	2360	30	22.50	35	29.00	1.2	10	70	3	3	WT	A	E	I	NO	PR

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5300	8P80	216	152				93	60	20
			54		4040	RSPP @ 2303m								

1. RU / TO		0.00	6. TRIPPING		71.75	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	22.50	262.00	7. RIG SERVICE	0.50	10.75	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		2.00	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	0.50	29.50	10. SURVEYING	0.50	13.50	15. DST		0.00	20.		

HOLE DRAG: 2 daN TORQUE: 4000 ACT / ALLOW HOOK LOAD: 58000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drilled ahead 156mm hole from 2330m to 2360m. Surveys as required. Circ up sample.

00:00 to 08:00 Hoist bit # 17RR. Flow checks as required. Make up Reed EHP63 and RIH.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/27 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 53 / DAY # 56

Status at: 08:00 Hrs: Drilling ahead 156mm hole @ 2363m

24 Hour Summary: Trip bit # 17RR, RIH #20. Drill from 2360 to 2361. Hoist bit # 20 RIH bit #21, Change out swivel.

DEPTH 2,362.00 m	PROGRESS 2.00 m	PBTD 1,853.48 m	TEMP: -30 °C, WEATHER: Windy & Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 18057.00 kPaw/ 1260.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $58,903
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,407,747
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
05:00	2362.00	1260	55	18	8	5	7	10.2	1.8	10.5	.16	50	180000	600		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
SODIUM SULFITE		sx
PIPEOUT		Pails
SALT		sx
[illegible]ONITE NATURAL GEL		Sack
[illegible]E 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth)

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MUD LOSSES: DAILY m³ / CUM: m³

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,876.30
Kelly Down			12.46

Total Length: 2,361.50

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW										145 145 120	
UNDERFLOW										145 145 120	

LAST

PRESS TEST:	2/02/17
BOP DRILL:	2/02/26
SAFETY MEET:	2/02/26
RIG INSPECT:	2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
20	156	REED SL63A	MB5093	15.9	15.9	15.9	2360	2361	1	3.00	1	3.00	.3	14	70	1	1	NO	A	E	I	NO	PR
21	156	REED EHP53	CB6692	15.9	15.9	15.9	2361		1	1.00	1	1.00	1	12	70								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5030	8P80	216	152				93	60	20
			54		4040	RSPP @ 2303m								

1. RU / TO		0.00	6. TRIPPING	16.75	88.50	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	4.00	266.00	7. RIG SERVICE	0.75	11.50	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR		0.00	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE	0.50	2.50	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	2.00	31.50	10. SURVEYING		13.50	15. DST		0.00	20.		

HOLE DRAG: daN TORQUE: 4000 ACT / ALLOW HOOK LOAD: 59000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Circ up sample. Flow checks, trip bit # 17RR. Make up bit # 20 and RIH to 1844m, slip and cut drilling line. Con't RIH to 2355m, break circ and wash to bot. 1.5m fill. Drill ahead 156mm hole from 2360m to 2361m. .3m/hr. Hoist bit # 20, flow checks as required. Change out bit and RIH bit# 21 to 2355m. Break circ and wash to bottom. Break in bit and drill ahead from 2361m to 2362m.

00:00 to 08:00 Trip bit into shoe and change out swivel. RIH and drill ahead from 2362m to 2363m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/02/28 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 54 / DAY # 57

Status at: 08:00 Hrs: Drilling ahead 156mm hole from 2372m to 2378m 1.4m/hr

24 Hour Summary: RIH bit # 21. Change out swivel Drill ahead from 2362m to 2372m

DEPTH 2,372.00 m	PROGRESS 10.00 m	PBTD 1,853.48 m	TEMP: -30 °C, WEATHER: Windy & Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 18057.00 kPaw/ 1260.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $61,902
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,469,649

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+	OIL (%)
04:00	2372.00	1260	51	16	9	7	10	8.5	2.4	9	.16	55	190000	520		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	20	sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
SODIUM SULFITE	2	sx
PIPEOUT		Pails
SALT		sx
[illegible]ONITE NATURAL GEL		Sack
[illegible]E 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth)

@ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,895.79
Kelly Down			3.47

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,372.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										145 145 120	BOP DRILL: 2/02/27
UNDERFLOW										145 145 120	SAFETY MEET: 2/02/27
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
21	156	REED EHP53	CB6692	15.9	15.9	15.9	2361	2372	10	7.00	11	10.00	1.1	14	70	1	1	NO	A	E	I	NO	PR
22	156	SII XR15T	MK1945	15.9	15.9	15.9	2372							14	70								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5090	8P80	216	152				93	60	20
			54		4040	RSPP @ 2303m								

1. RU / TO		0.00	6. TRIPPING	9.75	98.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	9.50	275.50	7. RIG SERVICE	0.75	12.25	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.00	8. RIG REPAIR	2.50	2.50	13. WOC		4.00	18. BOP Drill	0.25	
4. CORING		0.00	9. SLIP LINE		2.50	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	1.25	32.75	10. SURVEYING		13.50	15. DST		0.00	20.		

HOLE DRAG: 8 daN TORQUE: 3800 ACT / ALLOW HOOK LOAD: 59000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead fro 2361m to 2362m. Hoist bit into shoe. Change out swivel. RIH and drill ahead from 2362m to 2372m. Circ up sample and hoist bit# 21. Flow checks as required. Hole good shape. Make up Bit # 22 and RIH.

00:00 to 08:00 RIH to 2358m, break circ and wash to bottom. Break in bit and drill ahead from 2372m to 2378m. 1.4m/hr

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/01 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 55 / DAY # 58

Status at: 08:00 Hrs: Drilling ahead 156mm hole @ 2414m 1 to 1.5m/hr

24 Hour Summary: Con't RIH w/ bit #22 break circ and wash to bottom. Drill ahead from 2372m to 2404m.

DEPTH 2,404.00 m	PROGRESS 32.00 m	PBTD 1,853.48 m	TEMP: -28 °C, WEATHER: Clear, Light wind
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17875.00 kPaw/ 1270.00 kg/m³	FLOT: 22.10 kPa 1858.00 m		DAILY COST: $46,612
AFE #: D01E2660	AFE COST: $8,000,000		CUMM COST: $6,516,261
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:30	2410.00	1270	52	24	10.5	7	10	8	2.4	10	.16	53	180000	640		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA	2	sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	2	sx
PIPEOUT		Pails
SALT	12	sx
TONITE NATURAL GEL		Sack
DE 207	1	Pail

MUD LOSSES: DAILY m³ / CUM: m³

DEVIATION SURVEYS (Degrees@Depth): 2377 @ 3+ | @ | @ | @ | @ | @ | @ | @ | @ | @ | @ | @ | @ | @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,925.01
Kelly Down			6.25

Total Length: 2,404.00

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW		1230	2.00		1230	2.00				145 145 120	
UNDERFLOW		1780	2.00		1780	2.00				145 145 120	

LAST: PRESS TEST: 2/02/17 | BOP DRILL: 2/02/27 | SAFETY MEET: 2/02/28 | RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
21	156	REED EHP53	CB6692	15.9	15.9	15.9	2361	2372	10	7.00	11	10.00	1.1	14	70	1	1	NO	A	E	I	NO	PR
22	156	SII XR15T	MK1945	15.9	15.9	15.9	2372		32	19.50	32	19.50	1.6	14	100								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5200	8P80	216	152				95	61	20
			54		4200	RSPP @ 2400m								

1. RU / TO		0.00	6. TRIPPING	2.50	100.75	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	19.50	295.00	7. RIG SERVICE	0.75	13.00	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING	0.50	0.50	8. RIG REPAIR		2.50	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		2.50	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	0.50	33.25	10. SURVEYING	0.25	13.75	15. DST		0.00	20.		

HOLE DRAG: 8 daN | TORQUE: 4000 | ACT / ALLOW HOOK LOAD: 59000 / 97000 daN | WEAK LINK: DRILL PIPE

Remarks : Con't RIH to 2356m. Break circ and wash to bottom. Break in bit and drill ahead from 2372m to 2404m. 1.6m/hr
Potiential Core point @ 2440m to 2470m

00:00 to 08:00 Drilling ahead 156mm hole from 2404m to 2414m. 1m/hr

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/02 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 56 / DAY # 59

Status at: 08:00 Hrs: Drilling ahead 156mm hole @ 2424m. 1.4 to 2m/hr

24 Hour Summary: Drilled from 2404m to 2415m. Drop survey. Trip bit. Pick up 2 NMDCs and RIH. Change out swivel

DEPTH 2,415.00 m	PROGRESS 11.00 m	PBTD 1,853.48 m	TEMP: -20 °C, WEATHER: Clear & Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17966.00 kPaw/ 1265.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $60,877
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,577,138
MUD TYPE: SALT SATURATED		MUD CO.: CONCORD	

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	2419.00	1265	45	15	7.5	5	10	8.8	2.4	10.5	.16	43	190000	720		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	2	sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE		sx
BARITE	15	sx
SAWDUST		sx
SODIUM SULFITE	1	sx
PIPEOUT		Pails
SALT		sx
[illegible]ONITE NATURAL GEL		Sack
[illegible]E 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth): 2332 @ 9 / @ / @ / @ / @ / @ / @ / @ / @ / @ / @ / @ / @ / @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Teledrift	122.00	60.00	2.61
Float sub	119.00	63.56	0.52
1 Drill collar	125.00	60.00	9.49
String shock sub	122.00	60.00	2.55
5 Drill collars	125.00	60.00	47.49
Jars	121.00	60.00	3.85
4 Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.29
DP	101.60	84.80	1,934.72
Kelly Down			8.18

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,415.64
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										145 145 120	BOP DRILL: 2/02/27
UNDERFLOW										145 145 120	SAFETY MEET: 2/02/28
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
22	156	SII XR15T	MK1945	15.9	15.9	15.9	2372	2415	11	9.00	43	28.50	1.5	10	100	6	2	BT	M	7	I	ER	PR
23	156	SII XR20T	MK5892	17.5	17.5	17.5	2415							10	100								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5200	8P80	216	152				95	61	20
			54		4200	RSPP @ 2400m								

1. RU / TO		0.00	6. TRIPPING	10.50	111.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	9.00	304.00	7. RIG SERVICE	0.50	13.50	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.50	8. RIG REPAIR	1.00	3.50	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		2.50	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	1.75	35.00	10. SURVEYING	1.25	15.00	15. DST		0.00	20.		

HOLE DRAG: 7 daN TORQUE: 4500 ACT / ALLOW HOOK LOAD: 59000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drilled ahead from 2404m to 2415m. ROP slowed to <1m/hr. Circ up sample and drop survey. Hoist bit. Flow checks as required. Service Teledrift, recover survey. Survey reads 8*. Measure, calipar and pick up 2 NMDCs. Make up BHA and RIH to 1845m. Change out swivel, fill pipe and break circ. RIH to 2330m and survey w/ Teledrift. 9* RIH to 2396m.

00:00 to 08:00 Break circ and wash from 2396m to 2415m. Drill ahead from 2415m to 2424m. 1.4m to 2m/hr.

[illegible]rry Sun mobilized to run single shot surveys.
[illegible]e Hand on location.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/03 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 57 / DAY # 60

Status at: 08:00 Hrs: Drilling ahead @ 2461m 2 to 2.5m/hr

24 Hour Summary: Drilled ahead 156mm hole from 2415m to 2448m. Single Shot Survey 6* Azi .57

DEPTH 2,448.00 m	PROGRESS 33.00 m	PBTD 1,853.48 m	TEMP: -20 °C, WEATHER: Light Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 18239.00 kPaw/ 1250.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $48,735
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,625,873
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:15	2453.00	1255	48	16	7	5	7	8	2	10	.15	45	190000	640		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	40	sx
CAUSTIC SODA	2	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	1	sx
PIPEOUT		Pails
SALT	40	sx
[illegible]ONITE NATURAL GEL		Sack
[illegible]E 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth): 2415 @ 7.5; 2424 @ 6; @; @; @; @; @; @; @; @; @; @; @

MUD LOSSES: DAILY m³ / CUM: m³

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Floatsub	120.00	63.00	0.52
Teledrift	122.00	60.00	2.61
2 x NMDCs	122.00	62.00	18.44
String Shocksub	122.00	60.00	2.55
4 x Drill collar	125.00	60.00	37.99
Jars	121.00	60.00	3.89
6 x Drill collars	125.00	60.00	56.95
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.25
DP	101.60	84.80	1,944.46
Kelly Down			12.39

Total Length: 2,448.00

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW										145 145 120	
UNDERFLOW										145 145 120	

LAST: PRESS TEST: 2/02/17; BOP DRILL: 2/02/27; SAFETY MEET: 2/03/02; RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
23	156	SII XR20T	MK5892	17.5	17.5	17.5	2415		33	20.50	33	20.50	1.6	10	100								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	4900	8P80	216	152				95	61	20
			54		3800	RSPP @ 2438m								

1. RU / TO		0.00	6. TRIPPING		111.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	20.50	324.50	7. RIG SERVICE	0.75	14.25	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING	0.25	0.75	8. RIG REPAIR		3.50	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		2.50	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	0.50	35.50	10. SURVEYING	2.00	17.00	15. DST		0.00	20.		

HOLE DRAG: 14 daN TORQUE: 4200 ACT / ALLOW HOOK LOAD: 59000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Con't washing and reaming to bottom. Break in bit and drill ahead 156mm hole from 2415m to 2448m. Surveys as required. Changed out survey line.

Teledrift survey @ 2415m 7.5* Single Shot Survey @ 2424m 6* Azi .57

[illegible]00 to 08:00 Drill ahead 156mm hole from 2448m to 2461m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/03/04 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 58	DAY # 61

Status at: 08:00 Hrs: Drilling ahead 156mm hole @ 2496m 1.2m/hr

24 Hour Summary: Drilled ahead 156mm hole from 2448m to 2486m Circ up samples @ 2447.5m & 2473.5m.

DEPTH 2,486.00 m	PROGRESS 38.00 m	PBTD 1,853.48 m	TEMP: -25 °C, WEATHER: Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17966.00 kPaw/ 1265.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $52,636
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,678,959

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:30	2491.00	1265	48	18	9	6	10	11	2.4	9.5	.16	50	190000	760		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	60	sx
CAUSTIC SODA	1	sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	4	sx
PIPEOUT		Pails
SALT	20	sx
TONITE NATURAL GEL		Sack
E 207	1	Pail

MUD LOSSES: DAILY m³ / CUM: m³

DEVIATION SURVEYS (Degrees@Depth): 2458 @ 4.75 @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Floatsub	120.00	63.00	0.52
Teledrift	122.00	60.00	2.61
2 x NMDCs	122.00	62.00	18.44
String Shocksub	122.00	60.00	2.55
4 x Drill collar	125.00	60.00	37.99
Jars	121.00	60.00	3.89
6 x Drill collars	125.00	60.00	56.95
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.25
DP	101.60	84.80	1,983.48
Kelly Down			11.37

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,486.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										145 145 120	BOP DRILL: 2/02/27
UNDERFLOW										145 145 120	SAFETY MEET: 2/03/04
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
23	156	SII XR20T	MK5892	17.5	17.5	17.5	2415		38	20.00	71	40.50	1.75	10	100								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5000	8P80	216	152				95	61	20
			54		3807	RSPP @ 2477m								

1. RU / TO		0.00	6. TRIPPING		111.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	20.00	344.50	7. RIG SERVICE	0.50	14.75	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.75	8. RIG REPAIR		3.50	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		2.50	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	2.50	38.00	10. SURVEYING	1.00	18.00	15. DST		0.00	20.		

HOLE DRAG: 8 daN TORQUE: 3200 ACT / ALLOW HOOK LOAD: 59000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drilled ahead 156mm hole from 2448m to 2486m. Circ up samples @ 2447.5m & 2473.5m. Hole and connections good. Single shot survey @ 2458m. 4.75* angle 1.57 Azi

00:00 to 08:00 Drilling ahead from 2486m to 2496m. 1.2m/hr.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/05 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 59 / DAY # 62

Status at: 08:00 Hrs: Drilling ahead 156mm hole @ 2528m 1.2m to 1.8m/hr

24 Hour Summary: Drilled ahead 156mm hole from 2486m to 2517m

DEPTH 2,517.00 m	PROGRESS 31.00 m	PBTD 1,853.48 m	TEMP: -18 °C, WEATHER: Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17966.00 kPaw/ 1260.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $60,364
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,739,323

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:30	2523.00	1260	50	19	8	6	10	11	1.8	9.5	.16	50	190000	800		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA	1	sx
DESCO	1	sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	1	sx
PIPEOUT		Pails
SALT		sx
[illegible]ONITE NATURAL GEL		Sack
[illegible]E 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth)

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MUD LOSSES: DAILY m³ / CUM: m³

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Floatsub	120.00	63.00	0.52
Teledrift	122.00	60.00	2.61
2 x NMDCs	122.00	62.00	18.44
String Shocksub	122.00	60.00	2.55
4 x Drill collar	125.00	60.00	37.99
Jars	121.00	60.00	3.89
6 x Drill collars	125.00	60.00	56.95
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.25
DP	101.60	84.80	2,022.41
Kelly Down			3.44

Total Length: 2,517.00

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE
OVERFLOW		1190	3.00		1215					145 145 120
UNDERFLOW		1740	3.00		1620					145 145 120

LAST

PRESS TEST:	2/02/17
BOP DRILL:	2/02/27
SAFETY MEET:	2/03/04
RIG INSPECT:	2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
23	156	SII XR20T	MK5892	17.5	17.5	17.5	2415		31	23.25	102	63.75	1.6	10	100								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5000	8P80	216	152				95	61	20
			54		3840	RSPP @ 2516m								

1. RU / TO		0.00	6. TRIPPING		111.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	23.25	367.75	7. RIG SERVICE	0.75	15.50	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		0.75	8. RIG REPAIR		3.50	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		2.50	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.		38.00	10. SURVEYING		18.00	15. DST		0.00	20.		

HOLE DRAG: 10 daN TORQUE: 4250 ACT / ALLOW HOOK LOAD: 59000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drilled ahead from 2486m to 2517m. 1.2m to 1.8m/hr. Connections good.

00:00 to 08:00 Drill ahead from 2517m to 2528m. Looking for core point.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/03/06 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 60	DAY # 63

Status at: 08:00 Hrs: Run in hole w/bit #24.

24 Hour Summary: Drill ahead 2517m -2546m. Circulate. Trip f/bit. Hole pulling tight. Pump out 23 singles.

DEPTH 2,546.00 m	PROGRESS 29.00 m	PBTD 1,853.48 m	TEMP: -23 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 1280.00 kPaw/ 17693.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $52,003
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,791,326

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:30	2546.00	1280	47	15	7	4		12	1.8	9.5	.17	45	180000	640		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	27	sx
CAUSTIC SODA	1	sx
DESCO	1	sx
AQUAPAC	1	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE		sx
BARITE	35	sx
SAWDUST		sx
SODIUM SULFITE	1	sx
PIPEOUT		Pails
SALT		sx
TONITE NATURAL GEL		Sack
E 207	1	Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Floatsub	120.00	63.00	0.52
Teledrift	122.00	60.00	2.61
2 x NMDCs	122.00	62.00	18.44
String Shocksub	122.00	60.00	2.55
4 x Drill collar	125.00	60.00	37.99
Jars	121.00	60.00	3.89
6 x Drill collars	125.00	60.00	56.95
XO	120.00	60.00	0.75
40 HW Drill Pipe	101.60	65.10	367.25
DP	101.60	84.80	2,041.90
Kelly Down			12.95

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,546.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW		1275	5.00		1275	5.00				145 145 120	BOP DRILL: 2/02/27
UNDERFLOW		1730			1610					145 145 120	SAFETY MEET: 2/03/05
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
23	156	SII XR20T	MK5892	17.5	17.5	17.5	2415	2546	131	20.75	131	84.50	1.6	10	100	6	6	BT	A	E	0	FC	PR

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5000	8P80	216	152				95	61	20
			52		4050	RSPP @ 2546M								

1. RU / TO		0.00	6. TRIPPING	2.25	113.50	11. LOGGING		39.00	16. FISHING	0.00
2. DRILLING	20.75	388.50	7. RIG SERVICE	0.75	16.25	12. RUN/CMT CSG		15.00	17. PLUG BACK	0.00
3. REAMING		0.75	8. RIG REPAIR		3.50	13. WOC		4.00	18.	
4. CORING		0.00	9. SLIP LINE		2.50	14. HEAD UP BOP		0.50	19.	
5. CIRC. / COND.	0.25	38.25	10. SURVEYING		18.00	15. DST		0.00	20.	

HOLE DRAG: 20-30up daN TORQUE: 4200 ACT / ALLOW HOOK LOAD: 60,000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead 2517m - 2546m. Circulate hole clean. Pump pill and trip for bit. Hole pulling tight. Pump out 23singles.
Had inspection by Steve Deschene of Indian and Northern Affairs. Everything satisfactory.

0000hrs - 0800hrs: Circulate and pump pill. Trip out for bit. Lay down 20 heavy weight drill pipe. Run in w/BHA. Slip and cut. Run in hole.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

[redacted]/I: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/07 (YEAR MONTH DAY)
[redacted]ence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 61 / DAY # 64

Status at: 08:00 Hrs: Drill ahead @ 2564m.

24 Hour Summary: Pump pill, Trip out f/bit. RIH w/BHA. Slip & cut. RIH. Wash 2528m - 2546m. 5m fill. Drill 2546m - 2553m.

DEPTH 2,553.00 m	PROGRESS 7.00 m	PBTD 1,853.48 m	TEMP: -19 °C, WEATHER: Snow & Blowing Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17675.00 kPaw/ 1270.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $63,205
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,854,531
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:30	2557.00	1270	54	25	10	6	10	10	2.4	10	.16	50	195000	640		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	32	sx
CAUSTIC SODA	2	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	1	sx
KELZAN XCD	1	sx
SALT		sx
[redacted]ONITE NATURAL GEL		Sack
[redacted]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Floatsub	120.00	63.00	0.52
Teledrift	122.00	60.00	2.61
2 x NMDCs	122.00	62.00	18.44
String Shocksub	122.00	60.00	2.55
6 x Drill collar	125.00	60.00	56.95
Jars	121.00	60.00	3.89
4 x Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
20 HW Drill Pipe	101.60	65.10	184.11
DP	101.60	84.80	2,236.45
Kelly Down			9.04

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,553.50
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW		1275	4.00		1275	4.00				145 145 120	BOP DRILL: 2/03/06
UNDERFLOW		1730			1610					145 145 120	SAFETY MEET: 2/03/06
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
24	156	SII XR20T	MK0577	17.5	17.5	17.5	2446			9.00	7	9.00	.77	10-15	100								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5350	8P80	216	152				95	61	20
			55		3380	RSPP @ 2546M								

1. RU / TO		0.00	6. TRIPPING	10.75	124.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	9.00	397.50	7. RIG SERVICE	0.50	16.75	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING	2.50	3.25	8. RIG REPAIR		3.50	13. WOC		4.00	18. BOP Drill	0.25	
4. CORING		0.00	9. SLIP LINE	0.50	3.00	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	0.50	38.75	10. SURVEYING		18.00	15. DST		0.00	20.		

HOLE DRAG: 27up 14dn daN TORQUE: 2500 ACT / ALLOW HOOK LOAD: 56,000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Pump pill. Finish trip out for bit. (Lay down 20 joints of H.W.D.P.). Run in w/BHA. Slip and cut line. Finish run in hole. Fill pipe @ 1838m. Wash and ream 2528m - 2546m. 5m of fill. Held a BOP drill w/crew back from days off.
Drill ahead 2546m - 2553m.
Approval obtained from Chief Conservation Officer to not pressure test.

0000hrs - 0800hrs update:Drill ahead 2553m - 2564m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

[redacted]: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/08 (YEAR MONTH DAY)
[redacted]ence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 62 / DAY # 65

Status at: 08:00 Hrs: Wiper trip for logging. TD - 2600m.

24 Hour Summary: Drill to 2572m Circ. sample. Drill to 2584m. Circ. sample. Drill to 2586m.

DEPTH 2,586.00 m	PROGRESS 33.00 m	PBTD 1,853.48 m	TEMP: -18 °C, WEATHER: Snow & Blowing Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17875.00 kPaw/ 1270.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $49,375
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,903,906

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
03:30	2596.00	1270	59	27	23	10	14	9.5	2.4	10	.16	58	190000	640		
05:30	2600.00	1270	75	27	23	10	14	9.5	2.4	10	16	58	190000	640		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	30	sx
CAUSTIC SODA	2	sx
DESCO		sx
AQUAPAC	1	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	2	sx
KELZAN XCD	1	sx
SALT	65	sx
[redacted]ONITE NATURAL GEL		Sack
[redacted]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Floatsub	120.00	63.00	0.52
Teledrift	122.00	60.00	2.61
2 x NMDCs	122.00	62.00	18.44
String Shocksub	122.00	60.00	2.55
6 x Drill collar	125.00	60.00	56.95
Jars	121.00	60.00	3.89
4 x Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
20 HW Drill Pipe	101.60	65.10	184.11
DP	101.60	84.80	2,265.59
Kelly Down			13.08

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,586.68
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW		1210	4.50		1210	4.50				145 145 120	BOP DRILL: 2/03/06
UNDERFLOW		1730			1610					145 145 120	SAFETY MEET: 2/03/06
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
24	156	SII XR20T	MK0577	17.5	17.5	17.5	2446			20.50	40	29.50	1.35	10-15	100								

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5350	8P80	216	152				95	61	20
			55		4310	RSPP @ 2576m								

1. RU / TO		0.00	6. TRIPPING		124.25	11. LOGGING		39.00	16. FISHING		0.00
2. DRILLING	20.50	418.00	7. RIG SERVICE	0.75	17.50	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING		3.25	8. RIG REPAIR		3.50	13. WOC		4.00	18.		
4. CORING		0.00	9. SLIP LINE		3.00	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	2.75	41.50	10. SURVEYING		18.00	15. DST		0.00	20.		

HOLE DRAG: 20-28up daN TORQUE: 3100 ACT / ALLOW HOOK LOAD: 57,000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead 2553m - 2572m. Circulate sample. Drill ahead 2572m - 2584m. Circulate sample. Drill ahead 2584m - 2586m. Work pipe on all connections.

0000hrs - 0800hrs:Drill ahead 2586m - 2600m. Final TD @ 0530hrs March 8/02. Circulate bottom hole sample. Wiper trip to casing.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/03/09 (YEAR MONTH DAY)

Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 63	DAY # 66

Status at: 08:00 Hrs: Logging w/Schlumberger run#2.

24 Hour Summary: Drill to 2600m. Circ. sample. Wiper trip to csg. Circ. POOH. Log w/Schlumberger.

DEPTH 2,600.00 m	PROGRESS 14.00 m	PBTD 1,853.48 m	TEMP: -31 °C, WEATHER: Cloudy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17511.00 kPaw/ 1290.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $49,740
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $6,953,646

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	2600.00	1290	93	46	18	10	25	7.6	1.8	10	.18	65	190000	560		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	75	sx
CAUSTIC SODA	2	sx
DESCO		sx
AQUAPAC	2	sx
SUPERVISION	1	Day
POLYLOSS	5	sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE	1	sx
KELZAN XCD	3	sx
SALT		sx
TONITE NATURAL GEL		Sack
E 207		Pail

MUD LOSSES: DAILY m³ / CUM: m³

DEVIATION SURVEYS (Degrees@Depth): 5.25 @ 2588 / @ / @ / @ / @ / @ / @ / @ / @ / @ / @ / @ / @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Floatsub	120.00	63.00	0.52
Teledrift	122.00	60.00	2.61
2 x NMDCs	122.00	62.00	18.44
String Shocksub	122.00	60.00	2.55
6 x Drill collar	125.00	60.00	56.95
Jars	121.00	60.00	3.89
4 x Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
20 HW Drill Pipe	101.60	65.10	184.11
DP	101.60	84.80	2,284.95
Kelly Down			7.04

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER		Total Length: 2,600.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE		LAST: PRESS TEST: 2/02/17
OVERFLOW										145 145 120		BOP DRILL: 2/03/06
UNDERFLOW										145 145 120		SAFETY MEET: 2/03/06
												RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
24	156	SII XR20T	MK0577	17.5	17.5	17.5	2546	2600	54	5.25	54	34.75	1.55	10-15	100	5	5	BT	A	E	0	WT	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152	60	.71	5800	8P80	216	152				95	61	20
			55		4500	RSPP @ 2600M								

1. RU / TO		0.00	6. TRIPPING	11.75	136.00	11. LOGGING	2.50	41.50	16. FISHING	0.00
2. DRILLING	5.25	423.25	7. RIG SERVICE	0.25	17.75	12. RUN/CMT CSG		15.00	17. PLUG BACK	0.00
3. REAMING		3.25	8. RIG REPAIR		3.50	13. WOC		4.00	18.	
4. CORING		0.00	9. SLIP LINE		3.00	14. HEAD UP BOP		0.50	19.	
5. CIRC. / COND.	3.00	44.50	10. SURVEYING	1.25	19.25	15. DST		0.00	20.	

HOLE DRAG:. 20-30UP daN TORQUE: 4100 ACT / ALLOW HOOK LOAD: 57,000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Drill ahead 2586m - 2600m. Final TD @ 0530hrs March 8/02. Circulate bottom hole sample. Wiper trip into casing. Pump out 16 singles. Wash to bottom. 1.50m of fill. Circulate hole clean. Run single shot survey @ 2588m. 5.25Y @ 39.57 azimuth. Strap out to log. Flow check as required. Tally 2284.95m. Strap 2284.42m. Difference 0.52m. Lay down monels.
Rig to and log w/Schlumberger.

0000hrs - 0800hrs update:Log w/Schlumberger: First log to bottom @ 0035hrs Mar.9/02.Loggers TD 2601.50m.
#1: Ran DLT,LDT,CNL,MSFL,MLT-GR from 2601.50M - 1852M.
#2:Ran FMI-BHC-GR from 2601.50m - 1852m.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/10 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 64 / DAY # 67

Status at: 08:00 Hrs: Hoist DST#5.

24 Hour Summary: Log w/Schlumberger. W.O. orders. Make up DST #5. RIH. Inflate packers & DST#5.

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -34 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17511.00 kPaw/ 1290.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $217,765
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,171,411

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	2600.00	1270	70	34	15	8		7.2	1.2	10.5	.16	65	190000	640		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)	9	sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
KELZAN XCD		sx
SALT		sx
[illegible]TONITE NATURAL GEL		Sack
[illegible]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
Bit	156.00		0.20
Floatsub	120.00	63.00	0.52
Teledrift	122.00	60.00	2.61
2 x NMDCs	122.00	62.00	18.44
String Shocksub	122.00	60.00	2.55
6 x Drill collar	125.00	60.00	56.95
Jars	121.00	60.00	3.89
4 x Drill collars	125.00	60.00	37.99
XO	120.00	60.00	0.75
20 HW Drill Pipe	101.60	65.10	184.11
DP	101.60	84.80	2,284.95
Kelly Down			7.04

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW										145 145 120	
UNDERFLOW										145 145 120	

Total Length: 2,600.00

LAST

PRESS TEST:	2/02/17
BOP DRILL:	2/03/06
SAFETY MEET:	2/03/09
RIG INSPECT:	2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
24	156	SII XR20T	MK0577	17.5	17.5	17.5	2546	2600	54		54	34.75	1.55	10-15	100	5	5	BT	A	E		WT	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20
			55		4500	RSPP @ 2600M								

1. RU / TO	0.00	6. TRIPPING	6.00	142.00	11. LOGGING	9.50	51.00	16. FISHING		0.00
2. DRILLING	423.25	7. RIG SERVICE		17.75	12. RUN/CMT CSG		15.00	17. PLUG BACK		0.00
3. REAMING	3.25	8. RIG REPAIR		3.50	13. WOC		4.00	18. Handle test tool	5.00	
4. CORING	0.00	9. SLIP LINE		3.00	14. HEAD UP BOP		0.50	19. Wait on orders	2.00	
5. CIRC. / COND.	44.50	10. SURVEYING		19.25	15. DST	1.50	1.50	20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 57,000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Log w/Schlumberger: First log to bottom @ 0035hrs Mar.9/02. Loggers TD 2601.50m.
Run#1: Ran DLT,LDT,CNL,MSFL,MLT-GR from 2601.50M - 1852M.
Run#2: Ran FMI-BHC-GR from 2601.50m - 1852m.
Rig out loggers. Wait on orders.
Held a safety meeting and pick up test tools. Make up Weatherford DST #5. Run in hole. Fill 600m water cushion.
Inflate packers and DST #5 "Mount Cap" 2298.5m - 2326m.

[illegible]0hrs - 0800hrs update:DST#5. 5 minute preflow. 300 minute Initial shut in.Lost packer seat on final flow. Trip out.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/11 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 65 / DAY # 68

Status at: 08:00 Hrs: W.O.C. plug #1.

24 Hour Summary: DST#5, POOH, LOAD OUT TESTER, LAY DOWN HWDP & COLLARS, RIH W/OPEN ENDED D.P.

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -23 °C, WEATHER: Cloudy/Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 17875.00 kPaw/ 1270.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $50,908
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,222,319

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
02:00	2600.00	1270	60	20	10	5	8	8.4	1.2	10	.16	50	190000	900		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
KELZAN XCD		sx
SALT		sx
[illegible]TONITE NATURAL GEL		Sack
[illegible]DE 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
269 JOINTS DP	101.60	84.80	2,587.65
KELLY			12.35

MUD LOSSES: DAILY m³ / CUM: m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW										145 145 120	
UNDERFLOW										145 145 120	

Total Length: 2,600.00

LAST

PRESS TEST:	2/02/17
BOP DRILL:	2/03/06
SAFETY MEET:	2/03/09
RIG INSPECT:	2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
24	156	SII XR20T	MK0577	17.5	17.5	17.5	2546	2600	54		54	34.75	1.55	10-15	100	5	5	BT	A	E	0	WT	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20
			55		4500	RSPP @ 2600M								

1. RU / TO	0.00	6. TRIPPING	13.75	155.75	11. LOGGING	51.00	16. FISHING	0.00
2. DRILLING	423.25	7. RIG SERVICE	0.25	18.00	12. RUN/CMT CSG	15.00	17. PLUG BACK	0.00
3. REAMING	3.25	8. RIG REPAIR		3.50	13. WOC	4.00	18. Handle test tools	4.00
4. CORING	0.00	9. SLIP LINE		3.00	14. HEAD UP BOP	0.50	19.	
5. CIRC. / COND.	44.50	10. SURVEYING		19.25	15. DST	6.00 7.50	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 57,000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : DST#5: "Mount Cap" 2198.5m - 2326m. Inflate straddle. Closed Chamber.Real Time. Preflow 8 minutes. Initial shut in 300minutes. Lost packer sea t 3minutes into final flow. Hoist DST. Pressure pump out sub let go @ Ý 1800m. Finish tripping out. Load out tester and recover recorders. Run in hole w/collars and HWDP. Lay down collars and heavy weight drill pipe.
Run in hole w/open ended drill pipe.

0000hrs - 0800hrs update: Wash to bottom. No fill. Circulate & condition mud for abandonment plugs. Rig to & run plug #1. 2600m - 2540m. [illegible] down 24 singles. Hoist into casing. W.O.C.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/12 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 66 / DAY # 69

Status at: 08:00 Hrs: Washing to Ý 2255m to find plug #2.

24 Hour Summary: RIH. Circultate. Plug #1. Trip to csg. WOC. Squeeze 23m3mud. RIH. Circ.Plug#2. Pull out of plug.WOC

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -27 °C, WEATHER: Light Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: 18764.00 kPaw/ 1220.00 kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $90,544
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,312,863

MUD TYPE: SALT SATURATED MUD CO.: CONCORD

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
01:00	2064.00	1220	54	23	6.5	5	7	11.4	1.8	11	.13	45	185000	1200		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO	2	sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE	10	sx
SAWDUST	30	sx
SODIUM SULFITE	1	sx
KELZAN XCD		sx
SALT		sx
-KOTE	2	sx
E 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
245 JOINTS DP	101.60	84.80	2,354.40
KELLY			2.50

MUD LOSSES: DAILY 23.00 m³ / CUM: 23.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 2,356.90
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										145 145 120	BOP DRILL: 2/03/06
UNDERFLOW										145 145 120	SAFETY MEET: 2/03/09
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R
24	156	SII XR20T	MK0577	17.5	17.5	17.5	2546	2600	54		54	34.75	1.55	10-15	100	5	5	BT	A	E		WT	TD

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20
			55		4500	RSPP @ 2600M								

1. RU / TO		0.00	6. TRIPPING	0.75	156.50	11. LOGGING		51.00	16. FISHING		0.00
2. DRILLING		423.25	7. RIG SERVICE		18.00	12. RUN/CMT CSG		15.00	17. PLUG BACK	1.50	1.50
3. REAMING	0.50	3.75	8. RIG REPAIR		3.50	13. WOC	2.50	6.50	18. Safet Mtg.	0.75	
4. CORING		0.00	9. SLIP LINE		3.00	14. HEAD UP BOP		0.50	19. Lay down pipe	2.50	
5. CIRC. / COND.	11.25	55.75	10. SURVEYING		19.25	15. DST		7.50	20. Squeeze Mud	4.25	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 52000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Wash to bottom. No fill. Circulate hole and condition mud for abandonment plugs. Held a safety meeting w/rig crew and cementers. Run plug #1. 2600m - 2540m w/1.75t "G" + 18%salt + .3% D-65 + .1% D-13. (20%excess) Plug in place @ 0500hrs Mar.11/02. Rack 26 stands in derrick and lay down 24 singles. No feel required. W.O.C. Held safety meeting for mud squeeze. Squeeze 23m3 mud into formation w/Schlumberger.
Run in hole to 2355m. Circulate and rig in cementers. Pump plug #2. 2355m - 2255m. Cemented w/5.5t "G" + 18% salt + .3%D-65+ .1%D-13 4.2m3 slurry. (40%excess) Plug in place @ 1715hrs Mar.11/02. Lay down 10 singles. Rack 10 stands. W.O.C.

0hrs - 0800hrs: W.O.C. Run in hole to feel plug. Ran in to 2290m. No feel. Hoist to 2225m. Circulate hole and check f/cement contamination. Wash singles down circulating bottoms up after each one to find cement.

Daily Drilling Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/13 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 67 / DAY # 70

Status at: 08:00 Hrs: Rig in lubricator for perforators.

24 Hour Summary: RIH to feel plug. Hoist to 2225m.Wash into find plug. Felt plug. Trip to & run plug #3. WOC,Feel plug. Mix

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -36 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $43,061
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,355,924
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	740.00	1280	48	12	10.5	6	10	20+	3.8	12	.17	40	185000	920		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO	1	sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
BICARBONATE OF SODA	1	sx
SALT		sx
[illegible]KOTE		sx
[illegible]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
190 JOINTS DP	101.60	84.80	1,826.99
KELLY			4.01

MUD LOSSES: DAILY m³ / CUM: 23.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length: 1,831.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	LAST: PRESS TEST: 2/02/17
OVERFLOW										145 145 120	BOP DRILL: 2/03/06
UNDERFLOW										145 145 120	SAFETY MEET: 2/03/12
											RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20
			55		4500	RSPP @ 2600M								

1. RU / TO	0.00	6. TRIPPING	6.25	162.75	11. LOGGING		51.00	16. FISHING		0.00
2. DRILLING	423.25	7. RIG SERVICE	0.25	18.25	12. RUN/CMT CSG		15.00	17. PLUG BACK	0.75	2.25
3. REAMING	3.75	8. RIG REPAIR		3.50	13. WOC	7.00	13.50	18. Safety meeting	0.25	
4. CORING	0.00	9. SLIP LINE		3.00	14. HEAD UP BOP		0.50	19.		
5. CIRC. / COND.	9.50	10. SURVEYING		19.25	15. DST		7.50	20.		

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 52000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Run in hole to feel plug. No feel. Ran in to 2290m. Hoist to 2225m. Wash singles circulating bottoms up after each single to check for cement. Tagged plug @ 2260m. Felt plug w/9000daN @ 1100hrs Mar.12/02. Lay down 47 singles. Held a safety meeting w/rig crew and cementers. Run plug #3. 1882m - 1822m. Cemented w/3.3tonnes "G" + 0.50% D-65. 2.5m3 slurry @1900kg/m3. Plug down @ 1415hrs Mar.12/02. Rack 15 stands. W.O.C. Run in to feel plug. Felt plug w/9000daN @ 1831m. Plug felt @ 2300hrs. Rack 5 stands. Circulate and mix SAFE T COTE.

[illegible]0hrs - 0800hrs update:Mix inhibitor. Rack 41 stands. Lay down remaining pipe. Remove flow nipple. Rig in lubricator for perfing.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/14 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 68 / DAY # 71

Status at: 08:00 Hrs: Strap in hole to run plug #4.

24 Hour Summary: Mix. POOH. Install lubricator. Run in w/Schlumberger& perf. Squeeze salt mud away & clean tanks.

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -24 °C, WEATHER: Light Snow
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $82,998
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,438,922
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)
04:00	740.00	1280	48	12	10.5	6	10	20+	3.8	12	.17	40	185000	920		

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO	1	sx
AQUAPAC		sx
SUPERVISION	1	Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
BICARBONATE OF SODA	1	sx
SALT		sx
[illegible]-KOTE		sx
[illegible]DE 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)
190 JOINTS DP	101.60	84.80	1,826.99
KELLY			4.01

MUD LOSSES: DAILY 94.00 m³ / CUM: 117.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER		Total Length: 1,831.00
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE		LAST: PRESS TEST: 2/02/17
OVERFLOW										145 145 120		BOP DRILL: 2/03/06
UNDERFLOW										145 145 120		SAFETY MEET: 2/03/13
												RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG. WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20

1. RU / TO	0.00	6. TRIPPING	4.50	167.25	11. LOGGING	51.00	16. FISHING	0.00
2. DRILLING	423.25	7. RIG SERVICE		18.25	12. RUN/CMT CSG	15.00	17. PLUG BACK	2.25
3. REAMING	3.75	8. RIG REPAIR		3.50	13. WOC	13.50	18. Rig to Perf	5.25
4. CORING	0.00	9. SLIP LINE		3.00	14. HEAD UP BOP	0.50	19. Squeeze mud	13.50
5. CIRC. / COND.	0.50 65.75	10. SURVEYING		19.25	15. DST	7.50	20. Safety Meeting	0.25

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 52000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Circulate and mix inhibitor. Rack 41 stands. Lay down remaining drill pipe. Remove flow nipple and install lubricator. Run in hole w/Gamma Ray. Held a safety meeting w/all personnel. Load perf guns and run in to and perf 727m - 728.5m. Squeeze 94m3mud away w/cementers and clean rig tanks w/vacuum truck.

0000hrs - 0800hrs update: Squeeze mud and clean tanks w/vacuum truck. Run in hole open ended to run plug #4.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/15 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 69 / DAY # 72

Status at: 08:00 Hrs: Tear out BOPs

24 Hour Summary: Squeeze mud/clean tanks. Run plug #4.WOC. Feel plug.Lay down pipe. Run plug#5. Tear out BOPs.

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -25 °C, WEATHER: Windy
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $184,751
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,623,673
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION		Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
BICARBONATE OF SODA		sx
SALT		sx
-KOTE	2	Pail
DE 207		Pail

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)

MUD LOSSES: DAILY m³ / CUM: 117.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW										145 145 120	
UNDERFLOW										145 145 120	

Total Length:

LAST

PRESS TEST:	2/02/17
BOP DRILL:	2/03/06
SAFETY MEET:	2/03/14
RIG INSPECT:	2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20

1. RU / TO	0.00	6. TRIPPING	5.00	172.25	11. LOGGING	51.00	16. FISHING	0.00
2. DRILLING	423.25	7. RIG SERVICE	0.25	18.50	12. RUN/CMT CSG	15.00	17. PLUG BACK	1.25	3.50
3. REAMING	3.75	8. RIG REPAIR		3.50	13. WOC	6.50	20.00	18. Squeeze mud	8.50	
4. CORING	0.00	9. SLIP LINE		3.00	14. HEAD UP BOP		0.50	19. Safety Meeting	0.25	
5. CIRC. / COND.	0.50	66.25	10. SURVEYING		19.25	15. DST		7.50	20. Tear out BOPs	1.75	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: 52000 / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Squeeze 50m3 mud and clean tanks w/vacuum truck. Total mud and cleaning water squeezed 144m3. Run in open ended. Run plug #4 from 747m - 687m. Cemented w/2.2 tonnes "G" neat. Displaced w/3.2m3 H2O. Plug down @ 0823hrs Mar.14/02. Lay down 5 singles. Hoist to put bit on and run in hole. W.O.C. Mix inhibitor
Run in and tag plug w/9000daN @ 688m. Lay down pipe. Held safety meeting. Run plug #5 from 22m to casing bowl. Cemented w/1tonne "G" neat. Plug down @ 2201hrs. Flush casing bowl and tear out BOPs.

0hrs - 0800hrs update: Tear out BOPs.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/16 (YEAR/MONTH/DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 70 / DAY # 73

Status at: 08:00 Hrs: Tear out rig.

24 Hour Summary: Tear out BOPs. Haul 10 loads to Norman Wells w/SRP. Rig released @ 1200hrs Mar.15/02. Tear out.

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -24 °C, WEATHER: CLEAR
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $38,003
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,661,676
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION		Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
BICARBONATE OF SODA		sx
SALT		sx
[illegible]-KOTE		Pail
[illegible]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)

MUD LOSSES: DAILY 50.00 m³ / CUM: 167.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER		Total Length:
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE		
OVERFLOW											LAST	PRESS TEST: 2/02/17
UNDERFLOW												BOP DRILL: 2/03/06
												SAFETY MEET: 2/03/14
												RIG INSPECT: 2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20

1. RU / TO	0.00	6. TRIPPING	172.25	11. LOGGING	51.00	16. FISHING	0.00
2. DRILLING	423.25	7. RIG SERVICE	18.50	12. RUN/CMT CSG	15.00	17. PLUG BACK	3.50
3. REAMING	3.75	8. RIG REPAIR	3.50	13. WOC	20.00	18. Tear out.	24.00
4. CORING	0.00	9. SLIP LINE	3.00	14. HEAD UP BOP	0.50	19.	
5. CIRC. / COND.	66.25	10. SURVEYING	19.25	15. DST	7.50	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Tear out BOPs. Move 10 loads to Norman wells w/SRP. Tear out rig. Slip line to a new spool.
Rig released @ 1200hrs March 15/02.

0000hrs - 0800hrs update: Tear out rig. Wash and clean rig.

Daily Drilling Report

EOG Resources Canada

Consultant : KEN RAE/ERNIE RUMSEY Tel2: 128 Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/17 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 71 / DAY # 74

Status at: 08:00 Hrs: Move rig to Norman Wells.

24 Hour Summary: Tear out rig. Lay down derrick. Clean rig,boiler and matting. Move 3 loads to Norman Wells.

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -24 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $34,275
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,695,951
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION		Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
BICARBONATE OF SODA		sx
SALT		sx
[illegible]-KOTE		Pail
[illegible]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth): @ @ @ @ @ @ @ @ @ @ @ @ @ @

DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)

MUD LOSSES: DAILY m³ / CUM: 167.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW											
UNDERFLOW											

Total Length:

LAST

PRESS TEST:	2/02/17
BOP DRILL:	2/03/06
SAFETY MEET:	2/03/14
RIG INSPECT:	2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20

1. RU / TO	0.00	6. TRIPPING	172.25	11. LOGGING	51.00	16. FISHING	0.00
2. DRILLING	423.25	7. RIG SERVICE	18.50	12. RUN/CMT CSG	15.00	17. PLUG BACK	3.50
3. REAMING	3.75	8. RIG REPAIR	3.50	13. WOC	20.00	18. Tear out	24.00
4. CORING	0.00	9. SLIP LINE	3.00	14. HEAD UP BOP	0.50	19.	
5. CIRC. / COND.	66.25	10. SURVEYING	19.25	15. DST	7.50	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Tear out rig. Lay down derrick. Clean rig,boiler and matting. Move 3 loads to Norman Wells.

0000hrs - 0800hrs: Prepare rig to move.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/18 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 72 / DAY # 75

Status at: 08:00 Hrs: Checking inventory in SRP yard in Norman Wells

24 Hour Summary: Move rig to Norman Wells w/SRP

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -29 °C, WEATHER: Clear
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51
MACP: kPaw/ kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $32,216
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,728,167
MUD TYPE: SALT SATURATED	MUD CO.: CONCORD		

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION		Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
BICARBONATE OF SODA		sx
SALT		sx
-KOTE		Pail
E 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)

MUD LOSSES: DAILY m³ / CUM: 167.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN	SIZE
OVERFLOW											
UNDERFLOW											

Total Length:

LAST

PRESS TEST:	2/02/17
BOP DRILL:	2/03/06
SAFETY MEET:	2/03/14
RIG INSPECT:	2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20

1. RU / TO	0.00	6. TRIPPING	172.25	11. LOGGING	51.00	16. FISHING	0.00
2. DRILLING	423.25	7. RIG SERVICE	18.50	12. RUN/CMT CSG	15.00	17. PLUG BACK	3.50
3. REAMING	3.75	8. RIG REPAIR	3.50	13. WOC	20.00	18. Rig Move	12.00
4. CORING	0.00	9. SLIP LINE	3.00	14. HEAD UP BOP	0.50	19.	
5. CIRC. / COND.	66.25	10. SURVEYING	19.25	15. DST	7.50	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Held a safety meeting w/rig crew and SRP. Remove derrick and drawworks. Haul remaining rig loads to Norman Wells. Had to reload derrick on bunks after a boomer let go and derrick shifted off of bunks. Kept Akita welder gen set and boiler on location to assist w/encapsulation of salt cuttings.

Daily Drilling Report

EOG Resources Canada

Tel2: 128

Consultant : KEN RAE/ERNIE RUMSEY Tel1: 011 8816 314 21

AFE: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45		DATE: 2002/03/19 (YEAR MONTH DAY)
Licence: WID:1914	Rig Release Date: 2002/03/15 Hr: 12:00:00	Spud Date: 2002/01/05 Hr:11:00:00	Days From Spud: 73 / DAY # 76

Status at: 08:00 Hrs: Hauling loads to Pentastar yard in Spruce Grove.

24 Hour Summary: Rig move, Return rentals and drill pipe to Nisku.

DEPTH 2,600.00 m	PROGRESS 0.00 m	PBTD 1,853.48 m	TEMP: -30 °C, WEATHER: Clear		
KB: 160.30 m	GRD: 154.10 m	LAST CSG: 177.80 mm@ 1854.08 m	RIG AKITA/SAHTU RIG #51		
MACP: kPaw/ kg/m³		FLOT: 22.10 kPa 1858.00 m	DAILY COST: $2,500		
AFE #: D01E2660		AFE COST: $8,000,000	CUMM COST: $7,730,667		
MUD TYPE: SALT SATURATED		MUD CO.: CONCORD			

TIME (hrs)	DEPTH (m)	DENSITY (kg/m³)	VIS (s/l)	PV (mPas)	YP (Pa)	GELS (10s)	GELS (10m)	WL (cm³)	FC (mm)	PH	SOLIDS (%)	MBT (kg/m³)	Cl (mg/l)	Ca++ (mg/l)	K+ (mg/l)	OIL (%)

Mud Additives

Product	Amount	Units
SALT GEL (SEPIOLITE)		sx
CAUSTIC SODA		sx
DESCO		sx
AQUAPAC		sx
SUPERVISION		Day
POLYLOSS		sx
LIGNITE		sx
BARITE		sx
SAWDUST		sx
SODIUM SULFITE		sx
BICARBONATE OF SODA		sx
SALT		sx
[illegible]KOTE		Pail
[illegible]E 207		Pail

DEVIATION SURVEYS (Degrees@Depth)

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DRILLING ASSEMBLY (Bit To Kelly Bushing)

TOOL DESCRIPTION	O.D. (mm)	I.D. (mm)	Length (m)

MUD LOSSES: DAILY m³ / CUM: 167.00 m³

EQUIPMENT	CENTRIFUGE # 1			CENTRIFUGE # 2						SHAKER	Total Length:
DESCRIPTION	LPM	DENSITY	HRS	LPM	DENSITY	HRS	LPM	DENSITY	HRS	SCREEN SIZE	
OVERFLOW											
UNDERFLOW											

LAST

PRESS TEST:	2/02/17
BOP DRILL:	2/03/06
SAFETY MEET:	2/03/14
RIG INSPECT:	2/02/19

BIT NO.	SIZE (mm)	MANUFACTURER AND TYPE	SERIAL NUMBER	NOZZLES 1	2	3	DEPTH IN	DEPTH OUT	PROG DAY	BIT HRS	PROG CUM	CUMM HRS	ROP m/HR	BIT AVG WT	RPM	BIT CONDITION I	O	D	L	B	G	O	R

PUMP #1 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	PUMP #2 MODEL	STROKE (mm)	LINER (mm)	SPM	VOLUME (m³/min)	PRESS (kPa)	DC (average m/min)	DP (average m/min)	JET VEL (m/sec)
8P80	216	152				8P80	216	152				95	61	20

1. RU / TO	0.00	6. TRIPPING	172.25	11. LOGGING	51.00	16. FISHING	0.00
2. DRILLING	423.25	7. RIG SERVICE	18.50	12. RUN/CMT CSG	15.00	17. PLUG BACK	3.50
3. REAMING	3.75	8. RIG REPAIR	3.50	13. WOC	20.00	18. Rig move	24.00
4. CORING	0.00	9. SLIP LINE	3.00	14. HEAD UP BOP	0.50	19.	
5. CIRC. / COND.	66.25	10. SURVEYING	19.25	15. DST	7.50	20.	

HOLE DRAG: daN TORQUE: ACT / ALLOW HOOK LOAD: / 97000 daN WEAK LINK: DRILL PIPE

Remarks : Haul drill pipe to Akita yard in Nisku. Haul sea cans & miscellaneous to Pentastar yard in Spruce Grove.

RECAP 1

CONCORD DRILLING FLUIDS LTD.

WELL DATA RECAP & SUMMARY

				AFE # D01EZ660	DG
OPERATOR	EOG RESOURCES CANADA INC.	SPUD IN DATE	02 - 01 - 05	MUD VANS ON LOCATIO	NO
WELL NAME	EOG et al DEVO CREEK P - 45	DRILL OUT DATE	02 - 01 - 21		
LOCATION	65° 30' N / 127° 30' W	T.D. DATE	02 - 03 - 08	SEA CANS	YES
PROVINCE	NWT	RELEASE DATE	02 - 03 - 15		
CONTRACTOR	AKITA SAHUTU #51	TOTAL DEPTH m.	2600	PALLETS or TARPS USE	YES
CONCORD REP.	TROY GODSMAN / ERNIE KUDRICK	TOTAL # DAYS	70		

SURFACE HOLE INTERVAL 1

HOLE SIZE mm.	444.5 / 311		
INTERVAL m.	0 - 99.5		
CASING SIZE mm.	339.7		
MUD SYSTEM	GEL CHEMICAL		
DRILLING HRS.	54.25	#BITS	2
REAMING HRS.		#DAYS	3
MUD COSTS	$1,161		

OPERATIONS

Spudded with a 444.5 mm bit and drilled to 52 meters. Hole was deviated. Pilot drilled with a 311 mm bit to 100 meters. Mud cement contaminated from drilling out cement under conductor bbl. Treated out with Sodium Bicarbonate. Raised mud viscosity with Bentonite from 64 to 84 s/L prior to running 339.7 mm casing. Ran casing and cemented with no problems.

		AVERAGE MUD COST / M.	$11.67
TOTAL METRES	99.5	AVERAGE R.O.P. M. / HR.	1.83

SURFACE HOLE INTERVAL 2

HOLE SIZE mm.	311 / 222		
INTERVAL m.	99.5 - 518		
CASING SIZE mm.	244.5		
MUD SYSTEM	GEL CHEMICAL		
DRILLING HRS.	65.5	# BITS	5
REAMING HRS.		# DAYS	14
MUD COSTS	$17,823		

OPERATIONS

Drilled out cement with water and a 311 mm bit. Circulated through pill tank. Displaced to original mud after drill out. Drilled anhydrite stringers (approximately 160 meters). Treated out Calcium contamination with Soda Ash and controlled mud viscosity with Desco Centrifuge #1 unserviceable; needed new motor. At 327 meters tripped for bit #4RR; reamed from 141 to 164 meters; worked hole to 300 meters and reamed to bottom. R.I.H. with core bit (Strata Pac). Hole condition was excellent. Cored from 327 to 345 meters. Recovered full 18 meters. Drilled to 355 meters; hole was deviated; pilot drilled with 222 mm bit from 355 to 510 meters. Hole condition was stable. Lost circulation at 485 meters; mixed 3.5 m^3 LCM pills and regained full circulation. Drilled anhydrite from 495 meters; treated Calcium contamination with Soda Ash and controlled mud viscosity with Desco. Drilled 311 mm hole to 518 Surface Total Depth. Logged hole to bottom with no problems. Ran 4 DST's; hole condition was good at all times. Did a clean out trip after DST #3. R.I.H. and conditioned hole for running 244.5 mm casing. Ran and cemented 244.5 mm casing with no problems. Cleaned solids from tanks while W.O.C. and diluted saved mud.

		AVERAGE MUD COST / M.	$42.59
TOTAL METRES	418.5	AVERAGE R.O.P. M. / HR.	6.39

INTERMEDIATE HOLE INTERVAL

HOLE SIZE mm.	222		
INTERVAL m.	518 - 1857		
CASING SIZE mm.	177.8 / 159		
MUD SYSTEM	GEL CHEMICAL		
DRILLING HRS.	327	# BITS	13
REAMING HRS.		# DAYS	27
MUD COSTS	$16,065		

OPERATIONS

Drilled out cement with water and 222 mm bit. Displaced to Gel Chemical at 523 meters. Drilled directional from 564 meters. Drilled thick anhydrite stringers from 495 to 740 meters. Dispersed System with Desco and allowed Calcium concentration to climb, in order to "gyp over". Treated out foam with Defoamer. Drilled anhydrite from 758 to 760 meters and at 950 meters. Drilled to 1842 meters with no problems. Drilling broke at 1856 meters. Circulated bottoms up for Chloride check. Drilled to 1857 meters. Wiper tripped 10 stand. Circulated for 1.5 hours prior to P.O.O.H. to log. Logged hole with

CONTINUED TO NEXT PAGE

		AVERAGE MUD COST / M.	$12.00
TOTAL METRES	1339	AVERAGE R.O.P. M. / HR.	4.09

SURVEY RECORD

DEPTHS	ANGLE
30.0	1 22/25
50.0	1 22/25
57.6	1 1/2
85.0	1 1/4
103.0	22/25
135.0	1
159.0	1 22/25
187.0	1 22/25
252.0	1 1/2
279.0	1 3/4
314.0	1 3/4
377.0	1 1/2
405.0	1 1/2
370.0	1 3/4
408.0	2
434.0	1 1/2
462.0	1 10/77
489.0	3/4

CONCORD DRILLING FLUIDS LTD.

WELL DATA RECAP & SUMMARY

AFE # D01EZ660

DG

OPERATOR	EOG RESOURCES CANADA INC.	SPUD IN DATE	02 - 01 - 05
WELL NAME	EOG et al DEVO CREEK P - 45	DRILL OUT DATE	02 - 01 - 21
LOCATION	65° 30' N / 127° 30' W	T.D. DATE	02 - 03 - 08
PROVINCE	NWT	RELEASE DATE	02 - 03 - 15
CONTRACTOR	AKITA SAHUTU #51	TOTAL DEPTH m.	2600
CONCORD REP.	TROY GODSMAN / ERNIE KUDRICK	TOTAL # DAYS	70

MUD VANS ON LOCATION: NO

SEA CANS: YES

PALLETS or TARPS USED: YES

INTERMEDIATE HOLE INTERVAL

OPERATIONS

CONTINUED FROM PREVIOUS PAGE

no problems. Ran and cemented 177.8 mm intermediate casing at 1855 meters with no problems.

MAIN HOLE INTERVAL

HOLE SIZE mm.	156
INTERVAL m.	1857 - 2600
CASING SIZE mm.	
MUD SYSTEM	SATURATED SALT MUD
DRILLING HRS.	293.25 # BITS 9
REAMING HRS.	2.75 # DAYS 26
MUD COSTS	$288,698

OPERATIONS

Drilled out intermediate casing on February 18, 2002. Drilled to 1963 meters and surveyed. Got differentially stuck. Spotted 3 m3 Diesel and 60 l Pipeout. Worked pipe for 24 hours. Displaced hole to water and worked free. Displaced to mud. P.O.O.H. and changed bit. R.I.H. And drilled to 2415 meters with no problems. Tripped bit #22. R.I.H. and reamed from 2413 to 2415 meters. Tripped out bit #23; hole was tight from 2524 to 2310 meters. Pumped out. R.I.H. with bit #24 and reamed from 2528 to 2547 meters. Raised mud viscosity and drilled ahead to 2600 meters with no other problems. Raised mud viscosity to 70 s/L. Wiper tripped to casing. Pumped out 16 singles. R.I.H. to bottom with no problems. Raised mud viscosity to 110 s/L and lowered water loss to 8 mL. P.O.O.H. and logged hole with no problems. Ran DST from 2298.5 to 2326 meters. Packer failure. P.O.O.H. and laid down tools. R.I.H. open ended. Lowered mud viscosity to 60 s/L. Ran cement plug #1 from 2600 to 2540 meters. W.O.C. Squeezed 23 m3 mud into formation. Ran plug #2 from 2355 to 2255 meters. Ran plug #3 from 1882 to 1822 meters. Perforated casing and squeezed mud to formation. Cemented perforations and top of the casing. Released rig on March 15, 2002.

		AVERAGE MUD COST / M.	$388.56
TOTAL METRES	743	AVERAGE R.O.P. M. / HR.	2.53

PRODUCTS USED ;		CALC. CARB.	390	LIME	50	CLEAREX	50
AQUAPAC	88	DESCO	88	SAPP	50	DEFOAMER	32
BARITE	2025	PIPEOUT	32	SAWDUST	1020	POLYLOSS	100
NAT. BENTONITE	1728	ENCAPSORFLO	32	SODA ASH	32	RHODOPOL	70
CAUSTIC SODA	120	KWIK SEAL	420	X-CIDE	96	SAFE-T-COAT	32
BICARB. OF SODA	56	LIGNITE	44	CELLOPHANE	420	SODIUM SULFITE	80

PROBLEM SUMMARY	DEPTHS m.	COSTS
LOST CIRCULATION (SURF)		
LOST CIRCULATION (MAIN)		
SECOND LEG COST		
H2S		
MUD RINGS		
SHAKER LOSSES		
MUD BREAKERS		
WEIGHTED SYSTEM		

MUD COST SUMMARY	
INVOICED MUD COST	$323,746.96
MUD COST / METRE	$124.52
TRUCKING COSTS	$29,536.57
SEA CANS	$64,200.00
TECHNICAL SERVICES	$50,400.00
FLIGHTS CHARGE	$8,000.00
TOTAL GST	$33,311.85
TOTAL PST	
TOTAL COSTS	$509,195.38

CONCORD FIELD REP.	TROY GODSMAN / ERNIE KUDRICK	PHONE #	403-234-7771
CONCORD SALES REP.	DAN ANDERSON	PHONE #	403-234-7771

1856.26	1
1893.47	2
1913.00	2 1/2
1933.00	2 1/2
1962.00	2
1978.00	2 1/2
2016.00	2
2096.27	2 1/2
2104.35	1 1/2
2133.83	0
2153.33	0
2162.68	2 1/2
2231.02	1/2
2259.93	2 1/2
2284.63	2
2396.09	3 1/2
2330.00	7
2332.00	9
2377.00	3
2458.00	4 22/25
2588.00	5 1/4

SALT GEL	370
SALT	2016

DAILY PROGRESS

RECAP1A

DATE	MIDNIGHT DEPTHS FROM	TO	DRILLING HOURS
Jan. 05 - Febr. 17, 2002	0	1857	446 3/4
February 18, 2002	1857	1933	19 1/2
19	1933	1963	3 3/4
20	1963	2049	15
21	2049	2123	13 3/4
22	2123	2249	22
23	2249	2310	22 3/4
24	2310	2330	13 1/4
25	2330	2360	22 1/2
26	2360	2361.5	4
27	2361.5	2372	9 1/2
28	2372	2404	19 1/2
March 01, 2002	2404	2415	9
2	2415	2448	20 1/2
3	2448	2486	20
4	2486	2517	23 1/4
5	2517	2546	20 3/4
6	2546	2553	9
7	2553	2586	20 1/2
March 08, 2002	2586	2600	5 1/4

DATE	MIDNIGHT DEPTHS FROM	TO	DRILLING HOURS

BIT RECORD

Bit Number	Size mm.	Depth In m.	Depth Out m.	Meters Drilled	Bit Hours Hours	Total Accum. Hours	Avge Rate Of Penetration
1	444.5	0	52	52	5 3/4	5 3/4	9.04
2	311	52	100	48	8	13 3/4	6.00
3 RR	444.5	52	100	48	4 1/2	18 1/4	10.67
4 RR	311	52	327	275	36	54 1/4	7.64
7 RR	311	327	355	28	16 1/4	70 1/2	1.72
8	222	355	510	155	49 1/4	119 3/4	3.15
9 RR	311	355	518	Reamed 222 to 311 mm hole			
1 RR	222	518	564	46	16	135 3/4	2.88
2	222	564	627	63	12 1/4	148	5.14
3	222	627	757	130	25 1/2	173 1/2	5.10
4	222	757	959	202	41 1/4	214 3/4	4.90
5	222	959	1170	211	42 1/2	257 1/4	4.96
10	222	1170	1305	135	26 1/2	283 3/4	5.09
11 PDC	222	1305	1312	7	2 1/4	286	3.11
12 RR	222	1312	1325	13	1 3/4	287 3/4	7.43
13 PDC	222	1325	1329	4	4 1/2	292 1/4	0.89
14	222	1329	1564	235	71 1/4	363 1/2	3.30
15	222	1564	1660	96	24	387 1/2	4.00
16	222	1660	1753	93	24 1/4	411 3/4	3.84
17	222	1753	1857	104	35	446 3/4	2.97
17	156	1857	1963	106	23 1/4	470	4.56
18	156	1963	2117	154	26 3/4	496 3/4	5.76
19	156	2117	2325	208	53 1/2	550 1/4	3.89
17 RR	156	2325	2360	35	29	579 1/4	1.21
20	156	2360	2361	1	3	582 1/4	0.33
21	156	2361	2372	11	10	592 1/4	1.10
22	156	2372	2415	43	28 1/2	620 3/4	1.51
23	156	2415	2546	131	84 1/2	705 1/4	1.55

OTHER OPERATIONS SUMMARY

SOLIDS CONTROL / HOLE PROBLEMS / COSTS / PRODUCT BREAKAGE / TRUCKER COMMENTS / ETC.

Depth (m)	Density (kg/m^3)	Viscosity (s/L)	Plastic Viscosity (mPa.s)	Yield Point (Pa)	pH	Water Loss (mL)	Pf	Mf	Chlorides (mg/L)	Calcium (mg/L)	Bentonite (kg/m^3)	Temperature (C^0)	Hydroxyl (mg/L)	Carbonate (mg/L)	Bicarbonate (mg/L)
Gel Chemical (0 - 99.5 m)															
88	1085	48	11	22	11.0	20	0.3	1.1	850	300			0	360	610
99.5	1120	84	14	36	10.5	20	0.25	0.9	850	300	42	34	0	300	300
Gel Chemical (99.5 - 518 m)															
150	1060	51	17	7	10	12.2	0.3	1.2	900	240	56	36	0	360	732
310	1100	64	15	8	9.0	8	0.2	0.9	800	60	58	38	0	240	610
331	1100	68	21	13	9.5	7.2	0.2	0.9	750	60	60	32	0	240	610
348	1085	61	17	13	9.5	7.4	0.3	1.2	700	50	62	38	0	360	732
400	1085	62	23	13	9.0	7.6	0.2	0.9	750	40	62	36	0	240	610
473	1085	60	23	12	10.0	7.8	0.35	1.2	750	40	62	36	0	420	610
370	1085	62	23	12	9.5	8.2	0.15	0.45	750	80	64	36	0	180	183
513	1080	78	24	12	10.0	7.8	0.3	1.1	750	360	69	38	0	360	610
518	1080	61	17	11	9.0	7.8	0.25	0.9	700	340	64	36	0	300	488
Gel Chemical (518 - 1857 m)															
518	1045	39	5	5	8.5	12.4	0.1	0.5	550	280	43	28	0	120	366
564	1040	48	10	12	10.0	10.6	0.3	0.9	550	520	38	32	0	360	366
627	1040	41	10	5	9.0	10.8	0.2	0.6	550	640	40	27	0	240	244
742	1040	40	10	5	9.5	10.6	0.35	0.65	550	760	42	28	17	360	0
797	1050	51	13	7	9.5	11	0.15	0.3	550	720	41	30	0	180	0
901	1070	45	12	7	9.5	9.1	0.2	0.4	550	800	48	32	0	240	0
972	1070	44	11	7	9.5	9.2	0.3	0.55	550	720	43	31	17	300	0
1084	1070	43	10	5	9.5	10.2	0.35	0.6	500	720	40	32	34	300	0
1170	1080	41	10	5	9.5	10.4	0.3	0.5	500	800	38	32	34	240	0
1242	1070	41	8	5	9.5	9.8	0.4	0.7	500	760	36	33	34	360	0
1305	1070	42	10	4	9.5	9.6	0.35	0.55	550	720	34	33	51	240	0
1325	1070	47	9	6	10.0	9.8	0.4	0.75	500	660	34	32	17	420	0
1325	1065	45	9	4.5	9.0	10.2	0.1	0.3	500	640	34	32	0	120	122
1327	1065	45	10	4	9.5	10.4	0.3	0.5	500	620	34	32	34	240	0
1346	1070	48	11	6	9.5	9.6	0.25	0.55	500	620	34	33	0	300	61
1423	1070	40	9	4.5	9.5	9.8	0.2	0.35	500	660	32	33	17	180	0
1500	1070	43	10	6.5	9.5	9.4	0.15	0.25	500	640	41	34	17	120	0
1559	1070	45	12	6	9.5	9.8	0.3	0.55	500	720	40	34	17	300	0

Depth (m)	Density (kg/m^3)	Viscosity (s/L)	Plastic Viscosity (mPa.s)	Yield Point (Pa)	pH	Water Loss (mL)	Pf	Mf	Chlorides (mg/L)	Calcium (mg/L)	Bentonite (kg/m^3)	Temperature (C^0)	Hydroxyl (mg/L)	Carbonate (mg/L)	Bicarbonate (mg/L)
1596	1070	44	10	7.5	9.5	9.7	0.2	0.4	500	680	40	33	0	240	0
1660	1070	45	11	6	9	9.6	0.1	0.2	500	760	38	33	0	120	0
1731	1075	44	11	5	9.5	10.2	0.2	0.45	500	740	38	34	0	240	61
1771	1070	45	12	6	9.5	8.6	0.25	0.45	600	720	36	33	17	240	0
1842	1075	42	11	5	9.5	8.8	0.2	0.4	700	720	36	34	0	240	0
1857	1075	56	15	8	10.0	8.2	0.35	0.6	2400	640	41	34	34	300	0
1857	1070	52	14	6.5	9.5	8.2	0.2	0.35	2400	640	41	34	-	-	-
Saturated Salt Mud (1857 - 2600 m)															
1857	1140	51	15	20	13	20	0.4	0.7	150000	800	60	40	34	360	0
1963	1270	54	28	23	9.5	20	0.1	0.2	200000	700	55	37	0	120	0
1964	1260	60	23	19	10.0	20	1.1	3	190000	800	50	35	0	1320	976
2070	1265	53	24	10	9.0	12.2	0.1	0.2	190000	600	65	36	0	120	0
2156	1270	63	28	9	9.5	10	0.05	1	190000	840	55	37	0	60	0
2258	1280	48	18	9.5	10.0	9.2	0.1	0.2	190000	720	50	35	0	120	0
2318	1265	49	15	9	10.0	8.4	0.3	0.4	170000	740	55	36	68	120	0
2335	1255	53	16	10	10.0	11	0.02	0.05	170000	720	50	34	0	24	0
2362	1260	55	18	8	10.5	10.2	0.05	0.05	180000	600	50	25	0	24	12
2372	1265	51	16	9	9.0	8.5	0.04	0.2	190000	520	55	28	0	48	146
2410	1270	52	24	10.5	10.0	8	0.1	0.2	180000	640	53	34	0	120	0
2419	1265	45	15	7.5	10.5	8.8	0.1	0.22	190000	760	43	30	0	120	24
2453	1255	48	16	7	10.0	8	0.03	0.22	190000	640	45	32	0	36	195
2491	1265	48	18	9	9.5	11	0.03	0.13	190000	760	50	31	0	36	85
2523	1260	50	19	8	9.5	11	0.05	0.22	190000	800	50	36	0	60	146
2546	1280	47	15	7	9.5	12	0.05	0.1	180000	640	45	25	0	60	0
2557	1270	54	25	10	10.0	10	0.03	0.05	195000	640	50	36	3	24	0
2596	1270	59	28	12.5	10.0	9.8	0.05	0.1	190000	640	58	36	0	60	0
2600	1290	93	46	18	10.0	7.6	0.12	0.21	190000	560	65	-	0	108	0
2600	1270	70	34	15	10.5	7.2	0.1	0.2	190000	640	65	-	0	120	0
2600	1270	60	20	10	10.0	8.4	0.02	0.03	190000	900	50	25	3	12	0
2600	1220	54	23	6.5	11.0	11.4	0.2	0.3	185000	1200	45	20	34	120	0
2600	1280	48	12	10.5	12.0	20	0.6	0.8	185000	920	40	18	136	240	0

EOG Resources Canada

Drilling Drill Bit Summary

Consultant : KEN RAE/ERNIE RUMSEY
Tel2:
Tel1: 011 8816 314

UWI: 300-P45-65-30-12-73-00 | WELL: EOG et al DEVO CREEK P-45 | DATE: 2002/01/25 (YEAR MONTH DAY)

SURFACE LOC: P-45 65Ý30' LA 127Ý30'LO | AFE No.: D01E2660

CONTRACTOR: Akita / Sahtu Drilling 51 | SPUD DATE: 2002/01/02 | RIG RELEASE:

BIT No.	SIZE	TYPE	SERIAL	JETS				FROM	TO	METERS	HOURS	CUMM	T				B	G	O	RP	REMARKS
													I	O	D	L					
1	445	S33S	680900	19	19	19		22	52	30	5.75	5.75	1	1	WT	A	E	0	NO	DEV	DEV 1.88@ 30M
2	311	FDT	MJ3597	19	19	19		52	90	38	8	13.75	1	1	WT	A	E	0	N0	PR	PILOT F/ DEVIATION
1RR	445	S33S	680900	19	19	19		52	100	48	4.5	18.25	1	1	WT	A	E	0	NO	TD	DEV 1Ý @ 100M
2RR	311	FDTP	MJ3597	19	19	19		100	320	220	36.5	36.5	4	4	WT	A	E	0	NO	PR	
3	311	FDSS+CP	MH9095	19	19	19		320	327	7	3	39.5	1	1	WT	A	E	0	NO	CP	CORE POINT
1C	165	L/ISTP	L-1-I02	8	X	7.2		327	345	18	13		1	1	LC	H		0	NO	FC	LOST 1 CUTTER
3RR	311	FDSS+C	MH9095	19	19	19		327	355	28	16.25	55.75	1	1	WT	A	E	0	NO	BHA	TRIP F/PILOT BIT
4	222	F10TP	MJ1707	15.9	15.9	15.9		355	510	155	49.25		1	2	WT	H	E	0	NO	BHA	FAN W/5000
5	311	F10TP	MH1949	19	19	19		355	518	163	26.75	82.5	1	1	WT	A	E	0	NO	TD	FANW/6000
4RR	222	F10T	MJ1707	11.9	11.9	11.9		518	564	46	16	16	3	3	BT	M	E	0	WT	BHA	Trip to pick up motor
6	222	F10TP	MJ1745	15.9	15.9	15.9		564	627	63	12.25	28.25	2	5	BT	H	E	0	FC	BHA	Set motor to 1.83*
7	222	F15HP	LW9438	15.9	15.9	15.9		627	757	130	25.5	53.75	8	8	BT	A	F	4	CI	PR	
8	222	F3HP	LX7685	15.9	15.9	15.9		757	959	202	41.25	95	5	4	BT	H	E	I	FC	PR	
9	222	TD53AM	PO9781	15.9	15.9	15.9		959	1,170	211	42.5	137.5	2	3	BT	H	E	I	CT	PR	Set motor to 1.5*
10	222	HP52A	KW8113	15.9	15.9	15.9		1,170	1,305	135	25.75	163.25	8	8	BT	A	F	1	CT	TQ	
11	222	UD513	01025	5 X	14.3			1,305	1,319	14	3.5	166.75	7	8	RG	A		63	BC	PR	
9RR	222	TD53AM	PO9781	15.9	15.9	15.9		1,319	1,325	6	1.75	168.5	2	3	BT	H	E	I	CT	BHA	Reamed under Gage
12	222	UD513	00894	5	X	15.9		1,325	1,329	4	4.5	173	3	7	BT	H		2	RG	PR	Packed Assy
13	222	F3HPR	LW2079	15.9	15.9	15.9		1,329	1,564	235	71.25	244.25	5	7	LT	A	E	4	BT	PR	
14	222	F3HP	MJ6491	15.9	15.9	15.9		1,564	1,660	96	24	268.25	8	8	LT	A	E	0	BT	PR	
15	222	TD53A-M	P09001	15.9	15.9	15.9		1,660	1,753	93	24.25	292.50	8	7	LT	A	E	0	BT	PR	
16	222	F4	MH9904	15.9	15.9	15.9		1,753	1,857	104	32.25	324.75	1	2	WT	A	E	0	NO	TD	
17	156	SL53A	MB5882	15.9	15.9	15.9		1,857	1,963	106	23.25	348	2	2	NO	A	E	0	NO	HP	
18	156	SL53A	LR2790	15.9	15.9	15.9		1,963	2,117	154	26.75	374.75	2	2	WT	A	3	0	NO	PR	
19	156	EHP53	CB6693	15.9	15.9	15.9		2,117	2,325	208	53.5	428.25	3	4	FC	A	7	0	BT	PR	Survey 7* + Wireline
17RR	156	SL53A	MB5882	15.9	15.9	15.9		2,325	2,360	35	29	457.25	3	3	WT	A	E	0	NO	PR	
20	156	SL63A	MB5093	15.9	15.9	15.9		2,360	2,361	1	3	460.25	1	1	NO	A	E	0	NO	PR	
21	156	EHP53	CB6692	15.9	15.9	15.9		2,361	2,372	11	10	470.25	1	1	NO	A	E	0	NO	pr	
22	156	XR15T	MK1945	15.9	15.9	15.9		2,372	2,415	43	28.5	498.75	6	2	BT	M	7	0	ER	PR	Survey 9* Teledrift
23	156	XR20T	MK5892	17.5	17.5	17.5		2,415	2,546	131	84.5	583.25	5	6	BT	A	E	0	WT	PR	
24	156	XR20TY	MK0577	17.5	17.5	17.5		2,546	2,600	54	34.75	618	5	5	BT	A	E	0	WT	TD	Survey 5.25Ý Wireline

Drilling Casing / Cementing Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128

Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00 | WELL: EOG et al DEVO CREEK P-45 | DATE: 2002/01/07 (YEAR MONTH DAY)

SURFACE LOC: P-45 65Ý30' LA 127Ý30'LO | AFE No.: D01E2660

CASING

CASING AND EQUIPMENT RECORD AS RUN FROM BOTTOM TO TOP

SURFACE ☐ INTERMEDIATE ☐ LINER ☐ PRODUCTION ☐

NO. of JTS.	SIZE (mm)	kg/m	GRADE	THREAD	DESCRIPTION	TOPS	LENGTH
1	339.7			8RD	WEATHERFORD GUIDE SHOE	99.17	0.33
1	339.7	81.8	J-55	8RD	NEW CASING	84.97	14.20
1	339.7			8RD	WEATHERFORD FLOAT COLLAR	84.64	0.33
7	339.7	81.8	J-55	8RD	NEW CASING	-0.87	84.64
						TOTAL	99.50

EST. TOP OF MARKER JT(S): .....

CSG. LANDED @ 99.5 m. PLUG BACK 84.84 m. CSG. HEAD: MAKE ..... SIZE ..... X ..... PRESS. ..... kPa

K.B. - SCF 160.30 m. K.B. - GRD. 6.20 m. CORRECTED GRD ELEV. 154.10 m.

SCRATCHERS: No. ..... TYPE ..... CENTRALIZERS : No 6 TYPE W4

CEMENTING

STAGE	TONNES	OTHER	CALCULATED CEMENT BOTTOM	CALCULATED CEMENT TOP
FILLER No. 1.				
TAIL	18	ARCTIC SET + 12% BWOW D-44 + .5% D-65 + .5% D-13 + .2% D-46	99.50	SURFACE
FILLER No.2				
TAIL				

CONTINUOUS RETURNS? ☑ YES ☐ NO LINES PUMPED OUT? ☐ YES ☑ NO CEMENTED BY SCHLUMBERGER

* M - MUD W - WATER	CALC. DISPLACED	VOLUME DISPLACED	*	PLUG DOWN YEAR	MONTH	DAY	TIME	MAXIMUM CIRCULATING PRESSURE (kPa)	FINAL CIRCULATING PRESSURE (kPa)	TOTAL BUMP PRESSURE(kPa)	CEMENT RETURNS (m3)	FLOAT H - HELD F - FAILED
FLOAT COLLAR	7	7.1	W	02	01	06	2346	2600	2600	4500	2	F
STAGE COLLAR												

REMARKS (NOTE: PIPE MOVEMENT, PREFLUSH, SCAVENGER VOLUMES, MUD COND., PROBLEMS): RECIPROCATED CONDUCTOR STRING 4M WHILE CIRCULATING AND CEMENTING. USED 3M3 H2O PREFLUSH. MUD: VISC.-75 DENSITY - 1120KG/M3. WEATHERFORD FLOAT COLLAR DID NOT HOLD. RE-BUMPED AND CLOSED VALVE.

Drilling Tally Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE Tel1: 011 8816 314 21

I: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/05 (YEAR MONTH DAY)

FORMATION: SURFACE CONDUCTOR

PIPE 339.7 mm	WEIGHT: 81.8	THREAD 8RD	GRADE: J-55
NEW: ✓ USED:	TALLIED BY: KEN RAE		RIG: AKITA/SAHTU RIG #51

NO		LENGTH(m)	NO		LENGTH(m)	NO		LENGTH(m)	NO		LENGTH(m)	NO		LENGTH(m)
1		14.20	21			41			61			81		
2		14.39	22			42			62			82		
3		14.42	23			43			63			83		
4		13.55	24			44			64			84		
5		14.35	25			45			65			85		
6		14.34	26			46			66			86		
7		14.46	27			47			67			87		
8	✓	14.37	28			48			68			88		
9			29			49			69			89		
10			30			50			70			90		
T:1-10		114.08	T:21-30			T:41-50			T:61-70			T:81-90		

Grand Total: **114.08** Total Meters Left Out: **14.37** Total Meters in Well: **99.71**

NO		LENGTH(m)	NO		LENGTH(m)	NO		LENGTH(m)	NO		LENGTH(m)	NO		LENGTH(m)
			31			51			71			91		
12			32			52			72			92		
13			33			53			73			93		
14			34			54			74			94		
15			35			55			75			95		
16			36			56			76			96		
17			37			57			77			97		
18			38			58			78			98		
19			39			59			79			99		
20			40			60			80			100		
T:11-20			T:31-40			T:51-60			T:71-80			T:91-100		

☐ = Joints left out Pup Joints:

Total 20 114.08	Total 40	Total 60	Total 80	Total 100	Total 1-100 114.08
Total 120	Total 140	Total 160	Total 180	Total 200	Total 101-200
Total 220	Total 240	Total 260	Total 280	Total 300	Total 201-300
Total 320	Total 340	Total 360	Total 380	Total 400	Total 301-400
Total 420	Total 440	Total 460	Total 480	Total 500	Total 401-500

All Joints delivered to lease must be tallied.
Check mark joints not run for final string. Total Joints on 8 Total Joints left in Well: 7

On Material Transfer #'(s): 1 sent Joint #'(s): 8

SRP YARD IN NORMAN WELLS via: SRP TRANSPORT

REMA SENT JOINT #8 AND CUT OFF JOINT BACK TO NORMAN WELLS VIA SRP TRANSPORT.

Drilling Casing and Cementing Summary

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/19 (YEAR MONTH DAY)

Surface Hole Size: 311.0 mm	Intermediate Hole Size: mm	Main Hole Size: mm

No. Joints	String Description	Measured Length (m)	K.B. Depth (m)
1	Float Shoe	0.63	516.69
41	244.5mm, 53.6kg/m, J55, LT&C	518.03	-1.34

K.B.: 160.3 m	String Total Length	518.66 m
	Stick Up	1.34 m
T.D. Driller: 518.5 m	String Landed Depth	517.32 m

Casing Bowl: Barber Industries 9 5/8 x 11" x 3000# SMB1 Drill Thru casing bowl.

Centralizers: Make: Weatherford Number: 4

Positions: Bottom 2 jts and top 2jts

Scratchers: Make: N/A Number:

Positions:

Welding: Make up Torque: 6141 Nm

Cementing Data		Interval (m)	Tonnes	Type / Additive	Yield (m³)
Stage #1	Preflush	3		H2O	
	Scavenger				
	Fill	518	34	Arctic Set + 12% BWOW D-44 + 0.5% D-65 + 0.7% D-13 +	.78m3/t
	Tail In			0.2% D-46	
Stage #2	Preflush				
	Scavenger				
	Fill				
	Tail In				

Cementing Company: Schlumberger Displacement Fluid: 20.9 m3 / H20

Plug Down: 2002 - Jan - 19 08:38Hrs Bump Plug: 2500 kPa

Plug Held: Yes Pump Time: 83 min

Returns: Yes

Remarks: Mixed 4 sxs Celloflake for minor losses during drilling. Full returns while cementing. Approx. 6m3 cmt returns

Drilling Casing / Cementing Report

EOG Resources Canada

Tel2: 128
Consultant : KEN RAE/Ernie Rumsey Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/19 (YEAR MONTH DAY)
SURFACE LOC: P-45 65Ý30' LA 127Ý30'LO	AFE No.: D01E2660	

CASING
CASING AND EQUIPMENT RECORD AS RUN FROM BOTTOM TO TOP

SURFACE [✓] INTERMEDIATE [ ] LINER [ ] PRODUCTION [ ]

NO. of JTS.	SIZE (mm)	kg/m	GRADE	THREAD	DESCRIPTION	TOPS	LENGTH
1	244.5			8RD	WEATHERFORD FLOAT SHOE	517.03	0.63
41	244.5	53.6	J-55	LT&C	CASING	-1.16	518.03
						TOTAL	518.66

EST. TOP OF MARKER JT(S): .....

CSG. LANDED @ 517.5 m. PLUG BACK 517.03 m. CSG. HEAD: MAKE BARBER SIZE 244.5 X 279.4 PRESS. 21000 kPa

K.B. - SCF 160.30 m. K.B. - GRD. 6.20 m. CORRECTED GRD ELEV. 154.10 m.

SCRATCHERS: No. N/A TYPE ..... CENTRALIZERS : No 4 TYPE Weatherford Bow Spring

CEMENTING

STAGE	TONNES	OTHER	CALCULATED CEMENT BOTTOM	CALCULATED CEMENT TOP
FILLER No. 1.	34	Arctic Set + 12% BWOW D-44 + 0.5% D-65 + 0.7% D-13 + 0.2% D-46	518.66	Surf
TAIL				
FILLER No.2				
TAIL				

CONTINUOUS RETURNS? [✓] YES [ ] NO LINES PUMPED OUT? [ ] YES [✓] NO CEMENTED BY Schlumberger

* M - MUD W - WATER	CALC. DISPLACED	VOLUME DISPLACED	*	PLUG DOWN YEAR	MONTH	DAY	TIME	MAXIMUM CIRCULATING PRESSURE (kPa)	FINAL CIRCULATING PRESSURE (kPa)	TOTAL BUMP PRESSURE(kPa)	CEMENT RETURNS (m3)	FLOAT H - HELD F - FAILED
FLOAT COLLAR	20.9m3	20.87m3	*	2002	01	9	08:38	2.68mpa	4.7mpa	49.4mpa	6	H
STAGE COLLAR												

REMARKS (NOTE: PIPE MOVEMENT, PREFLUSH, SCAVENGER VOLUMES, MUD COND., PROBLEMS):
Reciprocated pipe 2m. 3m3 H2O preflush. Mixed 4 sxs Celloflake in cement. Full returns while cementing.

Drilling Tally Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

I: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/13 (YEAR MONTH DAY)

FORMATION: BEAR ROCK

PIPE 244.5 mm	WEIGHT: 53.6	THREAD 8RD LT&C	GRADE: J-55
NEW: ✓ USED:	TALLIED BY: KEN RAE		RIG: AKITA/SAHTU RIG #51

NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)
1	13.21	21	13.21	41	7.05	61		81	
2	13.21	22	13.20	42 ✓	5.99	62		82	
3	13.21	23	13.24	43		63		83	
4	13.21	24	13.19	44		64		84	
5	13.19	25	13.20	45		65		85	
6	13.20	26	12.93	46		66		86	
7	13.21	27	13.22	47		67		87	
8	13.21	28	13.20	48		68		88	
9	10.66	29	13.24	49		69		89	
10	13.23	30	13.21	50		70		90	
T:1-10	129.54	T:21-30	131.84	T:41-50	13.04	T:61-70		T:81-90	

Grand Total: 537.23	Total Meters Left Out: 19.20	Total Meters in Well: 518.03

NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)
11	13.12	31	13.21	51		71		91	
12	13.21	32	13.23	52		72		92	
13	13.21	33	13.20	53		73		93	
14	13.20	34	13.23	54		74		94	
15	13.21	35	13.21	55		75		95	
16	13.22	36	13.24	56		76		96	
17	12.78	37	13.20	57		77		97	
18	12.27	38	13.24	58		78		98	
19	13.21	39	13.20	59		79		99	
20	13.21	40 ✓	13.21	60		80		100	
T:11-20	130.64	T:31-40	132.17	T:51-60		T:71-80		T:91-100	

☑ = Joints left out | Pup Joints:

Total 20 260.18	Total 40 264.01	Total 60 13.04	Total 80	Total 100	Total 1-100 537.23
Total 120	Total 140	Total 160	Total 180	Total 200	Total 101-200
Total 220	Total 240	Total 260	Total 280	Total 300	Total 201-300
Total 320	Total 340	Total 360	Total 380	Total 400	Total 301-400
Total 420	Total 440	Total 460	Total 480	Total 500	Total 401-500

All Joints delivered to lease must be tallied.
Check mark joints not run for final string.

Total Joints on _____ Total Joints left in Well: _____

On Material Transfer #'(s): _____ sent Joint #'(s): _____

via: _____

REMA

Drilling Casing and Cementing Summary

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/02/16 (YEAR MONTH DAY)

Surface Hole Size: mm	Intermediate Hole Size: 222.0 mm	Main Hole Size: mm

No. Joints	String Description	Measured Length (m)	K.B. Depth (m)
1	WEATHERFORD FLOAT SHOE	0.60	1,853.48
26	177.8MM, 38.69KG/M CASING	469.07	1,384.41
115	177.8MM, 34.23KG/M CASING	1,346.60	37.81
2	177.8MM, 38.69KG/M CASING	24.99	12.82
2	177.8MM, 38.69KG/M CASING COMES W/FLUTED MANDREL	13.42	-0.60

K.B.: 160.3 m	String Total Length	1,854.68 m
	Stick Up	0.60 m
T.D. Driller: 1,857.7 m	String Landed Depth	1,854.08 m

Casing Bowl:

Centralizers: Make: WEATHERFORD Number: 38

Positions: BOTTOM 3 JOINTS THEN EVERY 4TH JOINT.

Scratchers: Make: Number: NIL

Positions:

Welding: Make up Torque: 4960 Nm

Cementing Data		Interval (m)	Tonnes	Type / Additive	Yield (m^3)
Stage #1	Preflush			CW 100	3M3
	Scavenger			MUDPUSH XL	4M3
	Fill				
	Tail In	1854M - 0M	36.5	RFC + 1.0%B139 + 0.4%D13 + 0.2% D46	33.5
Stage #2	Preflush				
	Scavenger				
	Fill				
	Tail In				

Cementing Company: SCHLUMBERGER Displacement Fluid: H2O

Plug Down: 1951HRS FEB.16/02 Bump Plug: 19,540 kPa

Plug Held: YES Pump Time: 138 min

Returns: 5.0M3 GOOD CEMENT RETURNS

Remarks:

Drilling Casing / Cementing Report

EOG Resources Canada

Consultant : KEN RAE/Ernie Rumsey Tel2: 128 Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/02/16 (YEAR MONTH DAY)
SURFACE LOC: P-45 65Ý30' LA 127Ý30'LO	AFE No.: D01E2660	

CASING

CASING AND EQUIPMENT RECORD AS RUN FROM BOTTOM TO TOP

SURFACE ☐ INTERMEDIATE ☑ LINER ☐ PRODUCTION ☐

NO. of JTS.	SIZE (mm)	kg/m	GRADE	THREAD	DESCRIPTION	TOPS	LENGTH
1	177.8			8rd	Weatherford Float Shoe	1.00	0.60
26	177.8	38.69	J-55	LT&C	CASING	1.00	469.07
141	177.8	34.23	J-55	LT&C	CASING	37.81	1,346.60
2	177.8	38.69	J-55	LT&C	CASING	12.82	24.99
2	177.8	38.69	J-55	LT&C	LANDING JOINT & FLUTED MANDREL JOINT	-60.00	12.82
						TOTAL	1,854.08

EST. TOP OF MARKER JT(S): .....

CSG. LANDED @ 1854.08 m. PLUG BACK 1853.48 m. CSG. HEAD: MAKE ..... SIZE ..... X ..... PRESS. ..... kPa

K.B. - SCF 160.30 m. K.B. - GRD. 6.20 m. CORRECTED GRD ELEV. 154.10 m.

SCRATCHERS: No. ..... TYPE ..... CENTRALIZERS : No 40 TYPE W2

CEMENTING

GE	TONNES	OTHER	CALCULATED CEMENT BOTTOM	CALCULATED CEMENT TOP
FILLER No. 1.				
TAIL	36.5	RFC + 1%B139 + .4%D13 + .2%D46	1854	0
FILLER No.2				
TAIL				

CONTINUOUS RETURNS? ☑ YES ☐ NO LINES PUMPED OUT? ☐ YES ☑ NO CEMENTED BY SCHLUMBERGER

* M - MUD W - WATER	CALC. DISPLACED	VOLUME DISPLACED	*	PLUG DOWN YEAR	MONTH	DAY	TIME	MAXIMUM CIRCULATING PRESSURE (kPa)	FINAL CIRCULATING PRESSURE (kPa)	TOTAL BUMP PRESSURE(kPa)	CEMENT RETURNS (m3)	FLOAT H - HELD F - FAILED
FLOAT COLLAR	37.9	37.9		2002	02	16	1951	16000	16000	19500	5.0	H
STAGE COLLAR												

REMARKS (NOTE: PIPE MOVEMENT, PREFLUSH, SCAVENGER VOLUMES, MUD COND., PROBLEMS):
PUMPED 3M3 CW100 PREFLUSH & 4M3 MUDPUSH XL. MUD AND HOLE WERE IN GOOD SHAPE. LANDED CASING W/FLUTED MANDREL.

EOG Resources Canada

Drilling Tally Report

Consultant : KEN RAE

Tel2: 128

Tel1: 011 8816 314 21

API: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/02/15 (YEAR MONTH DAY)

FORMATION: Saline River Salt

PIPE 177.8 mm	WEIGHT: 34.23/38.6	THREAD LT&C 8RD	GRADE: J-55
NEW: ✓ USED:	TALLIED BY: KEN RAE	RIG: AKITA/SAHTU RIG #51	

NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)
1	13.17	21	12.55	41	12.38	61	13.47	81	13.48
2	12.52	22	13.18	42	13.13	62	13.26	82	13.49
3	12.50	23	12.49	43	13.47	63	12.09	83	12.50
4	13.18	24	12.51	44	12.97	64	12.35	84	13.50
5	13.43	25	12.53	45	13.49	65	12.24	85	11.98
6	13.45	26	13.56	46	13.01	66	12.36	86	13.45
7	13.16	27	13.50	47	13.48	67	12.65	87	13.25
8	12.53	28	12.46	48	11.98	68	12.01	88	12.40
9	12.99	29	13.43	49	13.46	69	12.08	89	11.99
10	13.51	30	13.14	50	13.30	70	13.29	90	12.68
T:1-10	130.44	T:21-30	129.35	T:41-50	130.67	T:61-70	125.80	T:81-90	128.72

Grand Total: **2,012.11** Total Meters Left Out: **158.03** Total Meters in Well: **1,854.08**

NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)	NO	LENGTH(m)
11	13.53	31	12.40	51	12.19	71	13.48	91	12.50
12	13.54	32	13.51	52	13.49	72	13.48	92	13.49
13	13.46	33	13.12	53	12.26	73	12.07	93	13.49
14	12.49	34	13.35	54	9.96	74	13.48	94	13.29
15	12.40	35	12.60	55	13.48	75	12.27	95	11.95
16	13.54	36	13.44	56	13.46	76	12.01	96	13.45
17	12.67	37	12.49	57	13.03	77	13.30	97	11.98
18	13.52	38 ✓	12.37	58	13.45	78	12.07	98	12.25
19	13.55	39	12.50	59	12.50	79	12.38	99	13.52
20	12.16	40	13.49	60	12.52	80	12.06	100	13.49
T:11-20	130.86	T:31-40	129.27	T:51-60	126.34	T:71-80	126.60	T:91-100	129.41

✓ = Joints left out Pup Joints:

Total 20 261.30	Total 40 258.62	Total 60 257.01	Total 80 252.40	Total 100 258.13	Total 1-100 1,287.46
Total 120 258.65	Total 140 258.02	Total 160 207.98	Total 180	Total 200	Total 101-200 724.65
Total 220	Total 240	Total 260	Total 280	Total 300	Total 201-300
Total 320	Total 340	Total 360	Total 380	Total 400	Total 301-400
Total 420	Total 440	Total 460	Total 480	Total 500	Total 401-500

All Joints delivered to lease must be tallied. Check mark joints not run for final string. Total Joints on **157** Total Joints left in Well: **144**

On Material Transfer #'(s): sent Joint #'(s): **38,141,143,144,147,148,149,150,151,152,153,154,157**

SRP yard in Norman Wells via: **SRP**

REMA: Joints # 1 - 39 are 38.69kg/m. Joints # 40 - 155 are 34.23kg/m. Joints # 156 & 157 are landing joints for cementing w/fluted mandrel.

Drilling Tally Report

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/02/15 (YEAR MONTH DAY)

FORMATION: Saline River Salt

PIPE 177.8 mm	WEIGHT: 34.23/38.6	THREAD LT&C 8RD	GRADE: J-55
NEW: ✓ USED:	TALLIED BY: KEN RAE	RIG: AKITA/SAHTU RIG #51	

NO	LENGTH(m)		NO	LENGTH(m)		NO	LENGTH(m)		NO	LENGTH(m)		NO	LENGTH(m)	
101		13.44	121		13.29	141	✓	13.48	161			181		
102		13.48	122		12.20	142		12.32	162			182		
103		13.48	123		13.47	143	✓	13.36	163			183		
104		13.46	124		13.50	144	✓	13.32	164			184		
105		12.21	125		11.97	145		12.30	165			185		
106		12.22	126		13.46	146		11.93	166			186		
107		13.47	127		13.76	147	✓	13.44	167			187		
108		12.40	128		13.45	148	✓	13.47	168			188		
109		12.33	129		12.23	149	✓	12.32	169			189		
110		13.41	130		13.48	150	✓	13.50	170			190		
T:101-110		129.90	T:121-130		130.81	T:141-150		129.44	T:161-170			T:181-190		

Grand Total: **2,012.11** Total Meters Left Out: **158.03** Total Meters in Well: **1,854.08**

NO	LENGTH(m)		NO	LENGTH(m)		NO	LENGTH(m)		NO	LENGTH(m)		NO	LENGTH(m)	
111		13.48	131		12.22	151	✓	13.49	171			191		
112		13.48	132		13.48	152	✓	12.31	172			192		
113		13.49	133		12.99	153	✓	13.49	173			193		
114		13.48	134		12.00	154	✓	13.48	174			194		
115		12.66	135		12.37	155		12.35	175			195		
116		12.18	136		13.26	156		6.94	176			196		
117		11.97	137		11.56	157		6.48	177			197		
118		12.01	138		13.51	158			178			198		
119		13.50	139		13.45	159			179			199		
120		12.50	140		12.37	160			180			200		
T:111-120		128.75	T:131-140		127.21	T:151-160		78.54	T:171-180			T:191-200		

☑ = Joints left out | Pup Joints:

Total 20 261.30	Total 40 258.62	Total 60 257.01	Total 80 252.40	Total 100 258.13	Total 1-100 1,287.46
Total 120 258.65	Total 140 258.02	Total 160 207.98	Total 180	Total 200	Total 101-200 724.65
Total 220	Total 240	Total 260	Total 280	Total 300	Total 201-300
Total 320	Total 340	Total 360	Total 380	Total 400	Total 301-400
Total 420	Total 440	Total 460	Total 480	Total 500	Total 401-500

All Joints delivered to lease must be tallied.
Check mark joints not run for final string.

Total Joints on: 157

Total Joints left in Well: 144

On Material Transfer #'(s):

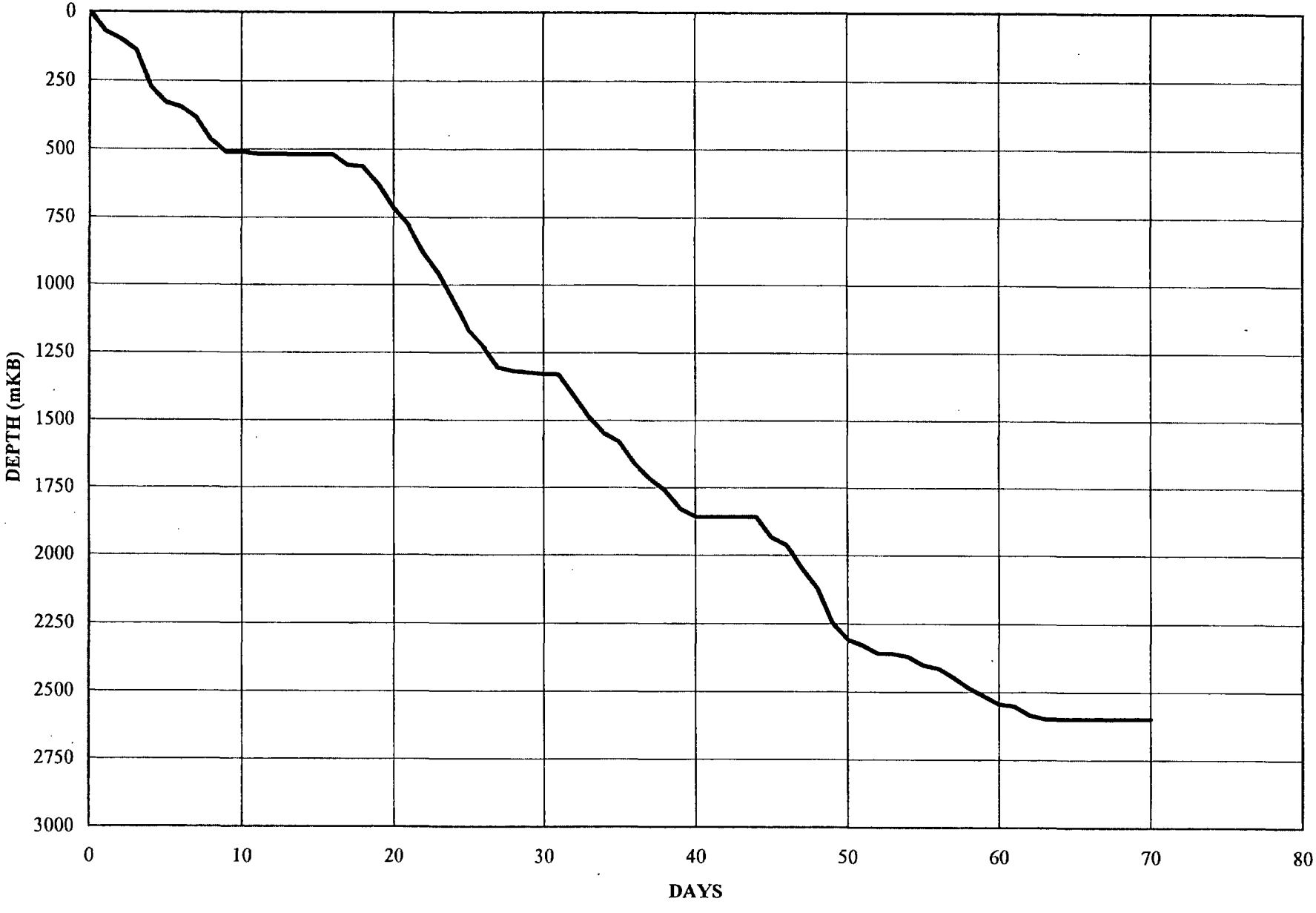
sent Joint #'(s): 38,141,143,144,147,148,149,150,151,152,153,154,157

SRP yard in Norman Wells

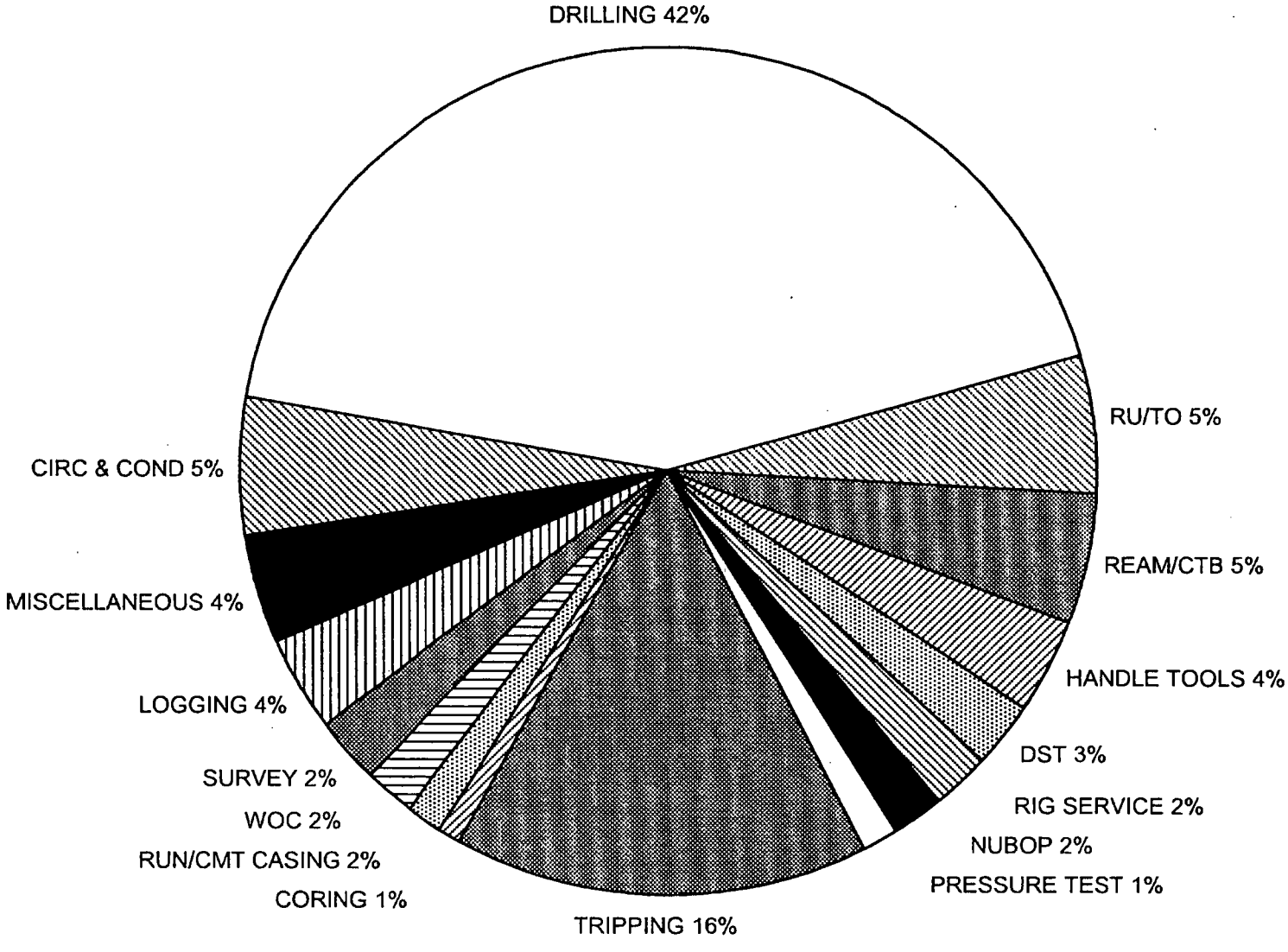
via: SRP

REMA

EOG ET AL DEVO CREEK P-45
DEPTH VERSUS DAYS



EOG ET AL DEVO CREEK P-45
RIG TIME BREAKDOWN



Drilling Drill Stem Test

EOG Resources Canada

Consultant : KEN RAE

Tel2:

Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/17 (YEAR MONTH DAY)
SURFACE LOC: P-45 65Ý30' LA 127Ý30'LO	AFE No.: D01E2660	DST #: 1
INTERVAL: 462-475	FORMATION: ARNICA	TESTING CO.: WEATHERFORD

TYPE OF TEST:	KB:	GRD:	TOTAL DEPTH OF WELL:
INFLATE STRADDLE	160.30	154.10	2600.00 mKB

HOLE SIZE (Normal Caliper):	PACKER SIZE (OD):	BOTTOM HOLE CHOKE:
311 m	280	12.72MM

FLUID CUSHION:

TYPE NA LENGTH

D.C. LENGTH:	I.D.:	D.C. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:
83.96 m	59 m	m	mm	358.42 m	97 mm	m	mm

STICK-UP ABOVE FLOOR:	TOOL LENGTH ABOVE PACKER:	WEIGHT TO PULL PACKERS LOOSE:
6.69 m	25.78 m	40000 daN

MUD TYPE:	DENSITY:	VIS.:	W.L.:	PH.:	CL:
GEL CHEM	1080 kg/m3	76 s/l	7.8	10	750

TIME AND PRESSURE

*NOTE: COMPARE TWO RECORDERS, REPORT

RECORDER No.:	DEPTH:	
497	464	☐ INSIDE ☑ OUTSIDE

TOOL OPENED	DATE (y-m-d)	TIME
	2016/01/20	

		INITIAL	FINAL
PF:	6 min	498.8 kPa	447.9 kPa
INITIAL SHUT-IN:	17 min	447.9 kPa	4229.2 kPa
FF FLOW:	6 min	596.1 kPa	659.7 kPa
FSI SI:	52 min	kPa	4239.6 kPa

IHP:	FHP:	BHT:
5235.6 kP	5120.4 kPa	36 °C

GAS FLOW READINGS

MEASURING DEVICE

TIME	ORIFICE mm	PRESSURE kPa	RATE m3/d

BLOW DESCRIPTION AND RECOVERY

PREFLOW

DEPTH OF BUBBLE HOSE 0 cm | GAS TO SURFACE: NGTS min.

DESCRIPTION: DEAD

2ND FLOW

DEPTH OF BUBBLE HOSE .5 cm | GAS TO SURFACE: NGTS min.

DESCRIPTION: 3 BUBBLES THEN DEAD.

RECOVERY DATA

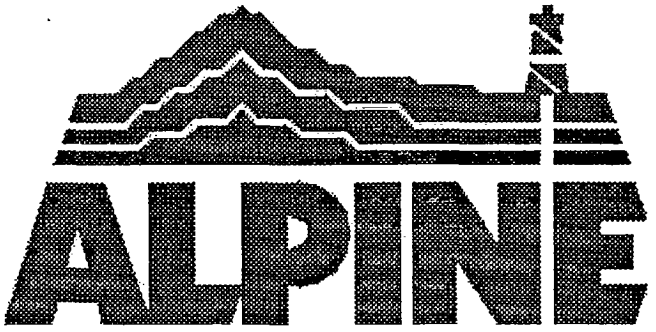
TOTAL RECOVERY: 35 m REVERSE CIRCULATED ☐ YES ☑ NO

CONSISTING OF: SALINITY OR API GRAVITY

m of cushion	
35 m of DRILLING FLUID	
m of	
m of	
m of	

SAMPLES	SAMPLE	SHIPPED TO	SHIPPED BY	SAMPLES SHIPPED
FLUID	4	CORE LAB		
GAS BOMBS	0			
B.H.SAMPLER	2	CORE LAB		

REMARKS:



Drill Stem Test Report

Prepared for: **EOG RESOURCES CANADA**
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Well Name: **EOG ET AL DEVO CREEK P-45**
Location: **P-45-65-30-127-30**

Test Date: **01/16/2002**

Job Ticket #: **D3-1244** DST#: **1**

Drill Stem Testing Report

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1244 DST#: 1
Test Date: 01/16/2002 600hrs

Well Name: EOG ET AL DEVO CREEK P-45
Location: P-45-65-30-127-30

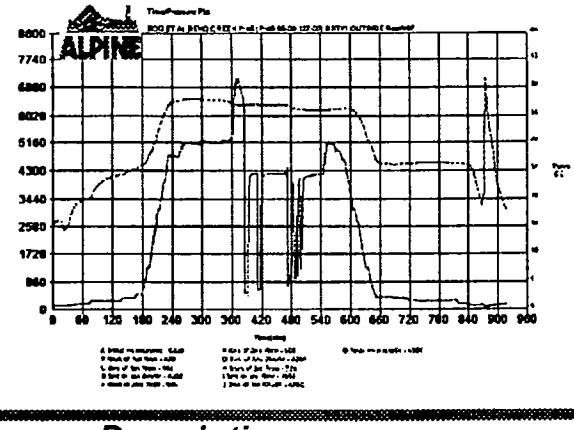
General Information:

Test Type:	INFLATE STRADDLE	Tester:	A. SCARIONE
Interval:	462.00m - 475.00m	Truck No.:	□Ÿ□
Formation:	ARNICA	Contractor:	AKITA DRILLING
KB Elevation:	160.30m	Rig No.:	51
Ground Elevation:	154.10m	Hole Diameter:	311mm
Total Depth:	517.50m	Hole Condition:	GOOD
Test Mode:	Fluid	Bottom Hole Temperature:	34.90 C

Electronic Recorder Information:

OUTSIDE		INSIDE	
Recorder #:	497	Recorder #:	458
Range:	70000 kPag	Range:	70000 kPag
Depth:	464.42 m	Depth:	445.05 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	5229.2
B Start of 1st Flow	0.00	498.8
C End of 1st Flow	6.00	447.9
D End of 1st Shutin	17.00	4229.2
E Start of 2nd Flow	0.00	596.1
F End of 2nd Flow	5.00	659.7
G End of 2nd Shutin	52.00	4239.6
H Start of 3rd Flow	0.00	735.0
I End of 3rd Flow	30.00	1868.1
J End of 3rd Shutin	44.00	4202.2
Q Final Hydrostatic	0.00	5093.8



Test Run Information:

Start Time:	600hrs
Reached Test Depth:	830hrs
Pull Out Time:	1325hrs
Tool Out Of Hole:	2000hrs
Weight set on Packers:	10000.00daN
Weight to free Packers:	35000.00daN
Initial String Weight:	27000.00daN
Unseated String Weight:	27000.00daN

Tool Chased Dist:	0.00m	Water Loss:	7.50cm³
Mud Type:	GEL CHEMICAL	Mud Drop:	NO
Mud Weight:	1085.00kg/m³	VIS:	76.00S/L
Amount of fill:	0.00m	Filter Cake:	0.00mm
Amt of cushion:	0.00	Pump Time:	15min
Type of cushion:		Reversed Out:	NO

General Remarks:

Mechanically successful. *Test results suggest moderate permeability within the zone tested.

PREFLOW: Dead air blow throughout.

SECOND FLOW: Dead air blow throughout.

FINAL FLOW: Dead air blow throughout.

Recovery Description:

Total fluid recovery was 35 meters drilling fluid.

No gas to surface.

Gas Bomb: 0 Sampler: 2
Fluid Sample: 4 Sent to: CORE LAB

Drill Stem Testing - Tool Diagram / Description

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1244 DST#: 1
Test Date: 01/16/2002 600hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Inflate Straddle

Drill Collar Stands:	4
Drill Collar Singles:	1
Drill Pipe Stands:	17
Drill Pipe Singles:	5
Heavy Wt. Pipe Stands:	0
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	468.69m
Total Drill Pipe Above K.B.:	6.69m
Total Depth:	518m

Tool / Drill Stem Information:

Tool Weight:	2000.00	daN
Drill Collar Inside Diameter:	59.00	mm
Drill Collar Length:	83.96	m
Drill Pipe Inside Diameter:	97.00	mm
Drill Pipe Length:	358.95	m
Heavy Weight Pipe Diameter:	0.00	mm
Heavy Weight Pipe Length:	0.00	m
Bottom Choke Diameter:	12.72	mm
Number of Packers: 2 Dia.:	280.00	mm

Tool Remarks:

NOTE -

Charts indicate plugging throughout final flow.



	Item	Length
	P.O. Sub	0.30
	C.O. Sub	0.31
	P.O. Sub	0.31
	Fluid Rec.	1.82
	HMV Stroke	2.39
	Sampler	1.13
	Sampler	1.13
	REC#458	1.44
	Telemetry Tool	6.00
	Jars	1.82
	Safety Joint	0.72
	Pump	2.10
44.43m	Screen	1.45
	Valve	2.23
	Deflate	0.85
	Packer	1.78
	Stubb	0.72
	Flow Sub	0.60
	ASE Carrier	1.10
	REC#471	
	REC#497	
	C.O. Sub	0.21
13.62m	Drill Collar	9.18
	C.O. Sub	0.31
	Bypass Receiver	0.78
	Stubb	0.72
	Packer	1.78
	Blank Off Sub	0.72
5.03m	Drag Spring	2.08
	Bullnose	0.45

25.78m

Depth: 462.0m

Depth: 475.0m

Total Depth: 517.50m

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1244 DST#: 1
Test Date: 01/16/2002 600hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)	Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
A	Initial Hydrostatic	0.00	0.00	5229.20		36.4			7.00	3509.30	4169.00	2.5714	35.7
B	Start of 1st Flow	0.00	0.00	498.80		35.8			8.00	3516.30	4176.00	2.3750	35.7
		1.00	25.50	524.30		35.8			9.00	3523.20	4182.90	2.2222	35.7
		2.00	29.00	527.80		35.8			10.00	3530.20	4189.90	2.1000	35.7
		3.00	35.90	534.70		35.8			11.00	3533.60	4193.30	2.0000	35.7
		4.00	112.30	611.10		35.8			12.00	3534.80	4194.50	1.9167	35.7
		5.00	66.00	564.80		35.8			13.00	3539.40	4199.10	1.8462	35.7
C	End of 1st Flow	6.00	-50.90	447.90		35.8			14.00	3542.90	4202.60	1.7857	35.7
		1.00	3246.60	3694.50	7.0000	35.9			15.00	3544.10	4203.80	1.7333	35.7
		2.00	3561.40	4009.30	4.0000	35.9			16.00	3547.50	4207.20	1.6875	35.7
		3.00	3673.70	4121.60	3.0000	35.8			17.00	3549.80	4209.50	1.6471	35.7
		4.00	3709.60	4157.50	2.5000	35.9			18.00	3551.00	4210.70	1.6111	35.7
		5.00	3729.20	4177.10	2.2000	35.8			19.00	3553.30	4213.00	1.5789	35.7
		6.00	3740.80	4188.70	2.0000	35.8			20.00	3554.50	4214.20	1.5500	35.7
		7.00	3745.40	4193.30	1.8571	35.8			21.00	3558.70	4218.40	1.5238	35.7
		8.00	3755.90	4203.80	1.7500	35.9			22.00	3558.70	4218.40	1.5000	35.7
		9.00	3758.20	4206.10	1.6667	35.8			23.00	3559.80	4219.50	1.4783	35.7
		10.00	3764.00	4211.90	1.6000	35.9			24.00	3559.80	4219.50	1.4583	35.7
		11.00	3768.60	4216.50	1.5455	35.9			25.00	3561.40	4221.10	1.4400	35.7
		12.00	3769.70	4217.60	1.5000	35.8			26.00	3561.40	4221.10	1.4231	35.7
		13.00	3774.40	4222.30	1.4615	35.9			27.00	3564.40	4224.10	1.4074	35.7
		14.00	3776.70	4224.60	1.4286	35.9			28.00	3564.40	4224.10	1.3929	35.7
		15.00	3779.00	4226.90	1.4000	35.9			29.00	3564.40	4224.10	1.3793	35.7
		16.00	3781.30	4229.20	1.3750	35.9			30.00	3566.00	4225.70	1.3667	35.7
D	End of 1st Shutin	17.00	3781.30	4229.20	1.3529	35.9			31.00	3567.20	4226.90	1.3548	35.7
E	Start of 2nd Flow	0.00	0.00	596.10		35.8			32.00	3568.40	4228.10	1.3438	35.7
		1.00	18.50	614.60		35.8			33.00	3569.50	4229.20	1.3333	35.7
		2.00	27.70	623.80		35.9			34.00	3571.40	4231.10	1.3235	35.7
		3.00	49.70	645.80		35.8			35.00	3571.40	4231.10	1.3143	35.7
		4.00	54.40	650.50		35.8			36.00	3570.20	4229.90	1.3056	35.7
F	End of 2nd Flow	5.00	63.60	659.70		35.8			37.00	3572.50	4232.20	1.2973	35.7
		1.00	2010.50	2670.20	12.0000	35.8			38.00	3572.50	4232.20	1.2895	35.7
		2.00	3209.60	3869.30	6.5000	35.8			39.00	3573.70	4233.40	1.2821	35.7
		3.00	3375.10	4034.80	4.6667	35.8			40.00	3576.00	4235.70	1.2750	35.7
		4.00	3432.90	4092.60	3.7500	35.7			41.00	3576.00	4235.70	1.2683	35.7
		5.00	3476.90	4136.60	3.2000	35.7			42.00	3576.00	4235.70	1.2619	35.7
		6.00	3497.80	4157.50	2.8333	35.7			43.00	3576.00	4235.70	1.2558	35.7

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1244 DST#: 1
Test Date: 01/16/2002 600hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)	Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		44.00	3576.00	4235.70	1.2500	35.7			28.00	1569.40	2304.40		35.0
		45.00	3577.20	4236.90	1.2444	35.7			29.00	2799.80	3534.80		35.0
		46.00	3577.20	4236.90	1.2391	35.7	I	End of 3rd Flow	30.00	1133.10	1868.10		35.0
		47.00	3578.30	4238.00	1.2340	35.7			1.00	1454.90	3323.00	42.0000	35.0
		48.00	3579.50	4239.20	1.2292	35.7			2.00	2134.30	4002.40	21.5000	35.0
		49.00	3579.50	4239.20	1.2245	35.7			3.00	2185.20	4053.30	14.6667	35.0
		50.00	3578.30	4238.00	1.2200	35.7			4.00	2209.50	4077.60	11.2500	35.0
		51.00	3579.90	4239.60	1.2157	35.7			5.00	2225.70	4093.80	9.2000	35.0
G	End of 2nd Shutin	52.00	3579.90	4239.60	1.2115	35.7			6.00	2235.00	4103.10	7.8333	35.0
H	Start of 3rd Flow	0.00	0.00	735.00		35.7			7.00	2244.20	4112.30	6.8571	35.0
		1.00	17.30	752.30		35.7			8.00	2253.50	4121.60	6.1250	34.9
		2.00	48.60	783.60		35.6			9.00	2258.10	4126.20	5.5556	34.9
		3.00	318.30	1053.30		35.6			10.00	2263.90	4132.00	5.1000	34.9
		4.00	252.30	987.30		35.6			11.00	2268.50	4136.60	4.7273	34.9
		5.00	342.60	1077.60		35.5			12.00	2273.20	4141.30	4.4167	34.9
		6.00	158.50	893.50		35.4			13.00	2277.80	4145.90	4.1538	34.9
		7.00	456.00	1191.00		35.3			14.00	2281.30	4149.40	3.9286	34.9
		8.00	1023.10	1758.10		35.3			15.00	2284.70	4152.80	3.7333	34.9
		9.00	1805.50	2540.50		35.3			16.00	2289.40	4157.50	3.5625	34.9
		10.00	630.80	1365.80		35.2			17.00	2290.50	4158.60	3.4118	34.9
		11.00	2819.40	3554.40		35.2			18.00	2294.00	4162.10	3.2778	34.9
		12.00	3213.00	3948.00		35.2			19.00	2296.30	4164.40	3.1579	34.9
		13.00	147.00	882.00		35.2			20.00	2299.80	4167.90	3.0500	34.9
		14.00	295.10	1030.10		35.2			21.00	2302.10	4170.20	2.9524	34.9
		15.00	508.10	1243.10		35.2			22.00	2303.20	4171.30	2.8636	34.9
		16.00	859.90	1594.90		35.2			23.00	2306.70	4174.80	2.7826	34.9
		17.00	222.20	957.20		35.2			24.00	2307.90	4176.00	2.7083	34.9
		18.00	1263.90	1998.90		35.2			25.00	2309.00	4177.10	2.6400	34.9
		19.00	2138.90	2873.90		35.2			26.00	2311.30	4179.40	2.5769	34.9
		20.00	979.10	1714.10		35.2			27.00	2314.40	4182.50	2.5185	34.9
		21.00	304.40	1039.40		35.1			28.00	2314.40	4182.50	2.4643	34.9
		22.00	2094.90	2829.90		35.1			29.00	2314.40	4182.50	2.4138	34.9
		23.00	3199.10	3934.10		35.1			30.00	2317.10	4185.20	2.3667	34.9
		24.00	3360.00	4095.00		35.1			31.00	2318.30	4186.40	2.3226	34.9
		25.00	1052.10	1787.10		35.0			32.00	2320.60	4188.70	2.2813	34.9
		26.00	560.20	1295.20		35.0			33.00	2322.90	4191.00	2.2424	34.9
		27.00	1438.60	2173.60		35.0			34.00	2322.90	4191.00	2.2059	34.9

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

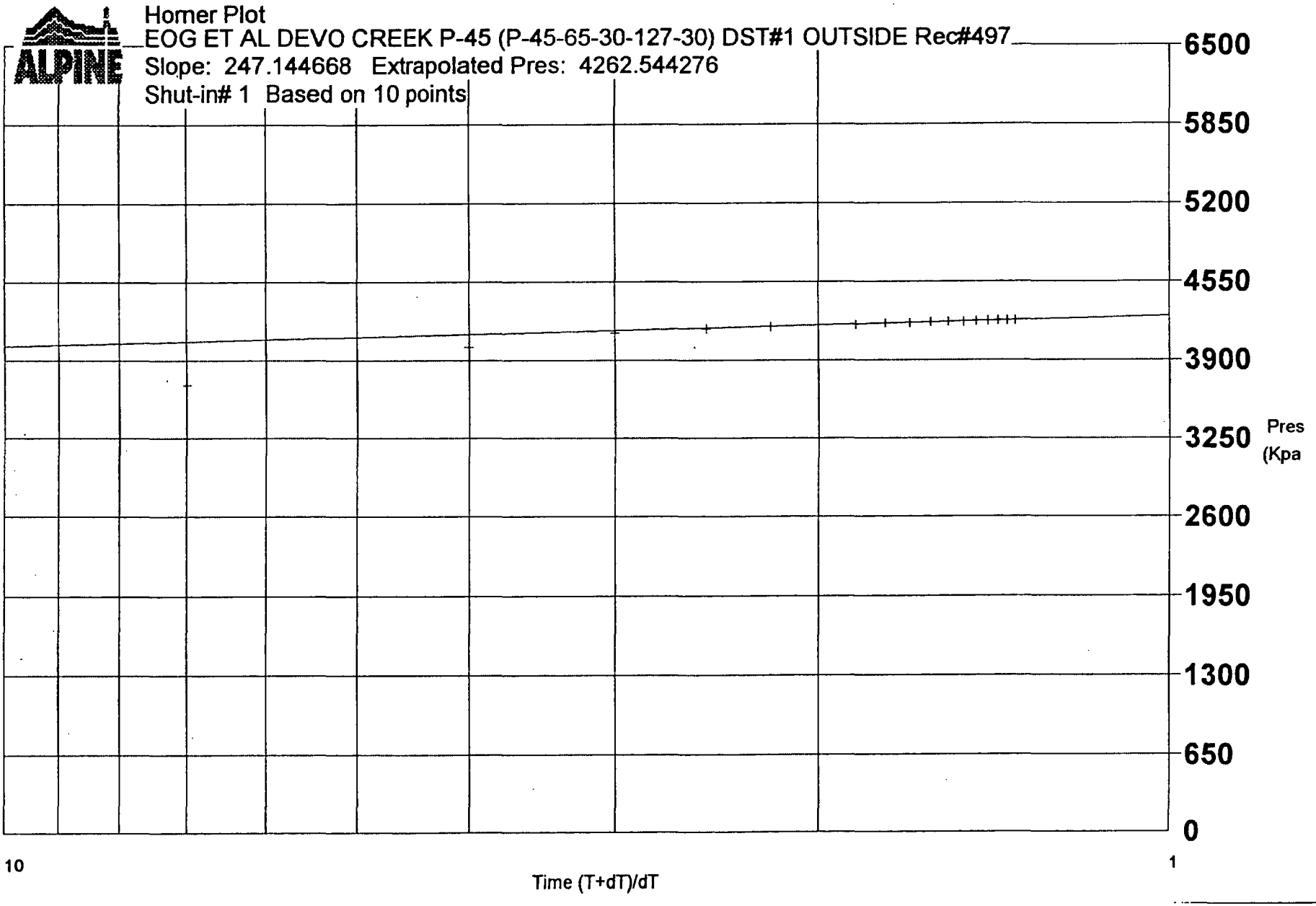
Contact: KEN RAE

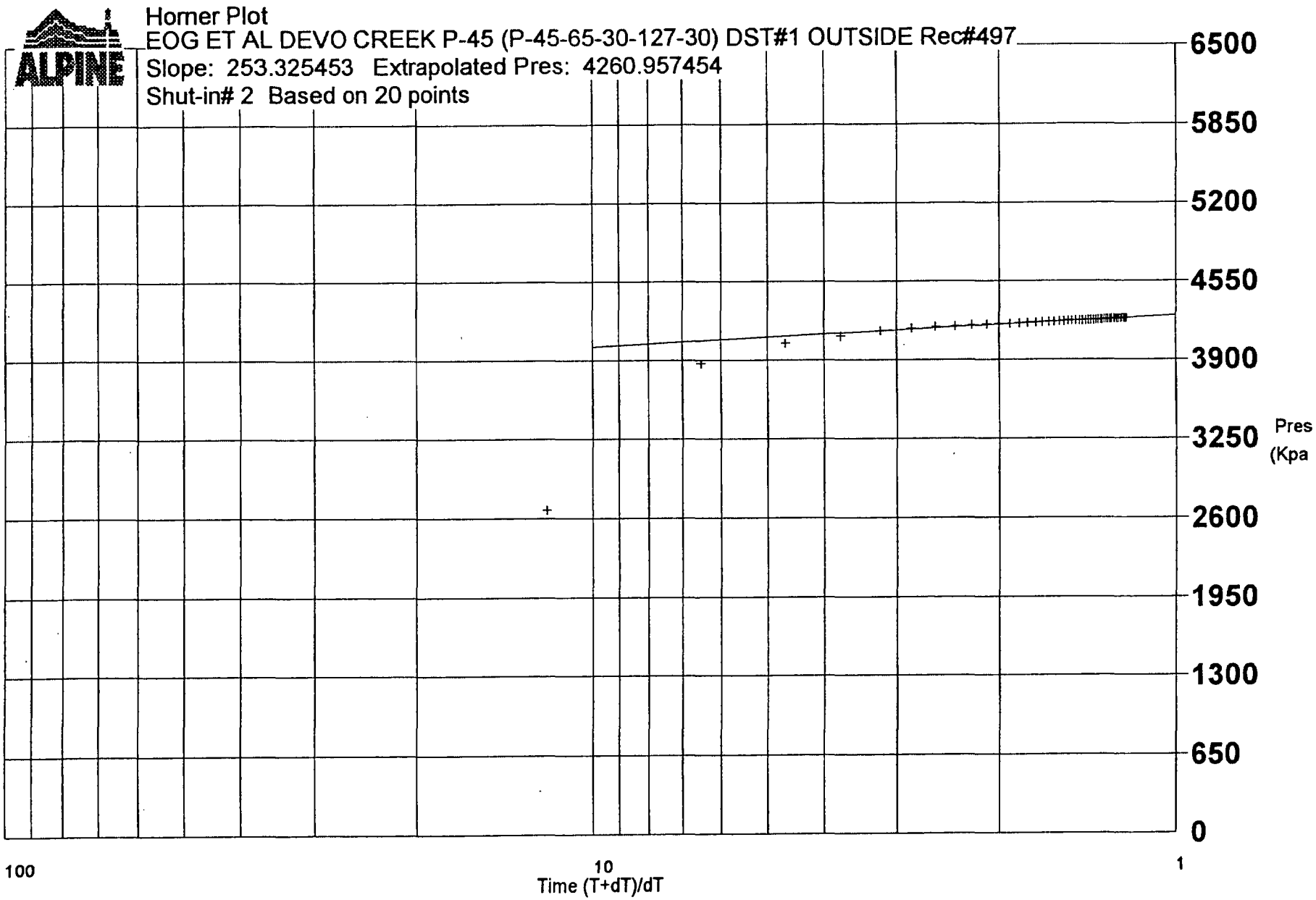
Job Ticket #: D3-1244 DST#: 1
Test Date: 01/16/2002 600hrs

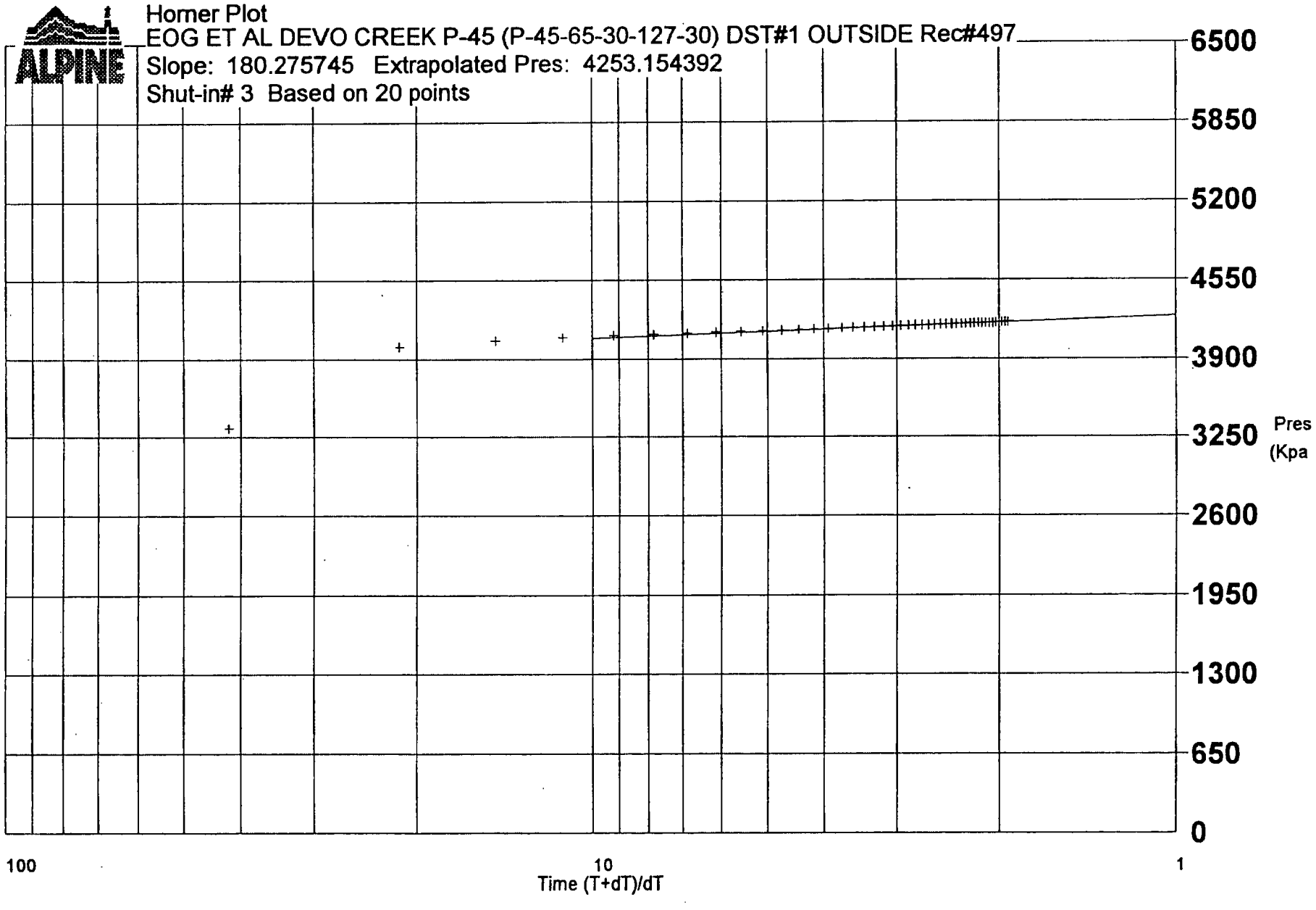
Well Name: EOG ET AL DEVO CREEK P-45

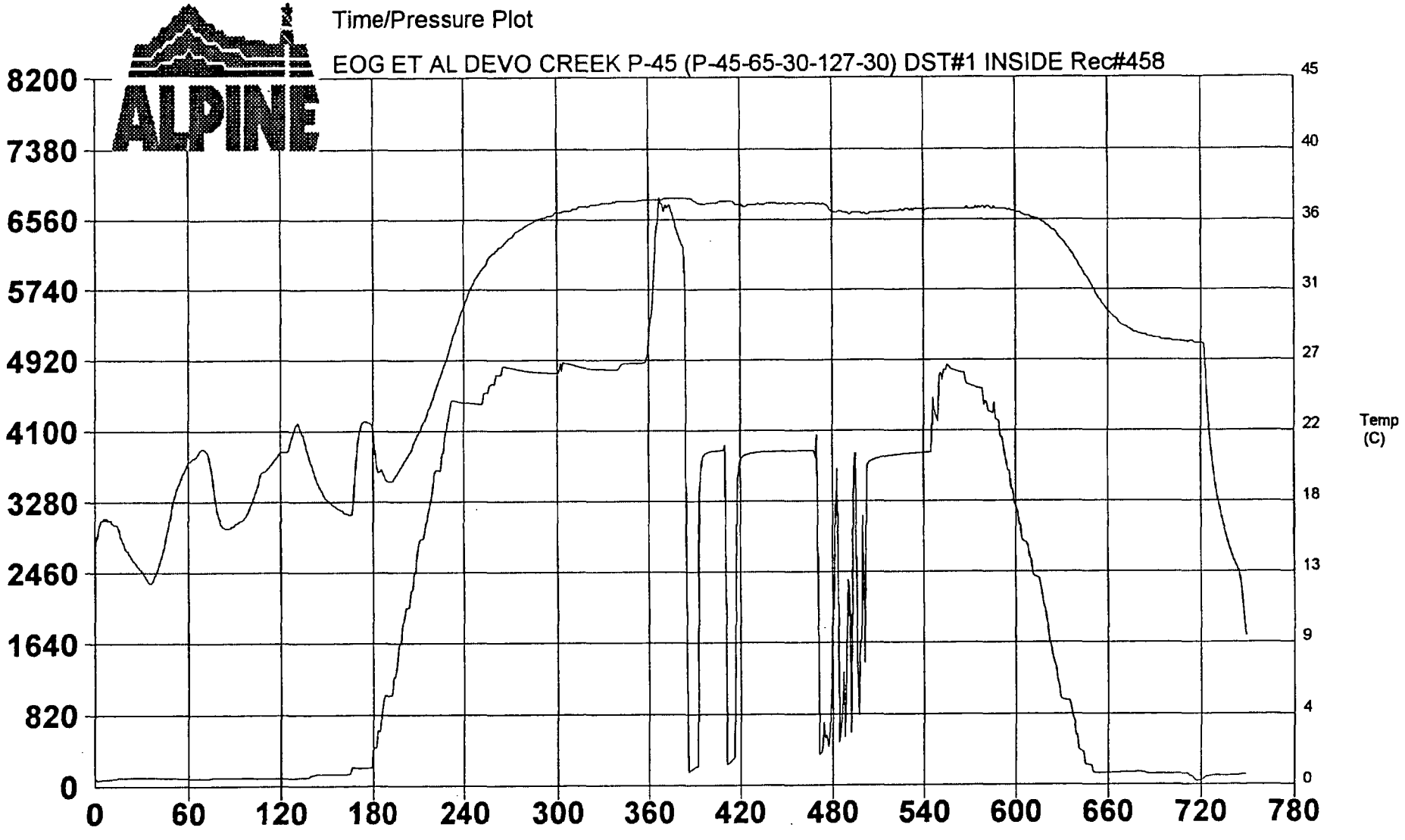
Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		35.00	2326.00	4194.10	2.1714	34.9
		36.00	2326.00	4194.10	2.1389	34.9
		37.00	2324.80	4192.90	2.1081	34.9
		38.00	2326.40	4194.50	2.0789	34.9
		39.00	2327.60	4195.70	2.0513	34.9
		40.00	2329.90	4198.00	2.0250	34.9
		41.00	2331.00	4199.10	2.0000	34.9
		42.00	2332.90	4201.00	1.9762	34.9
		43.00	2332.90	4201.00	1.9535	34.9
J	End of 3rd Shutin	44.00	2334.10	4202.20	1.9318	34.9
Q	Final Hydrostatic	0.00	0.00	5093.80		35.0

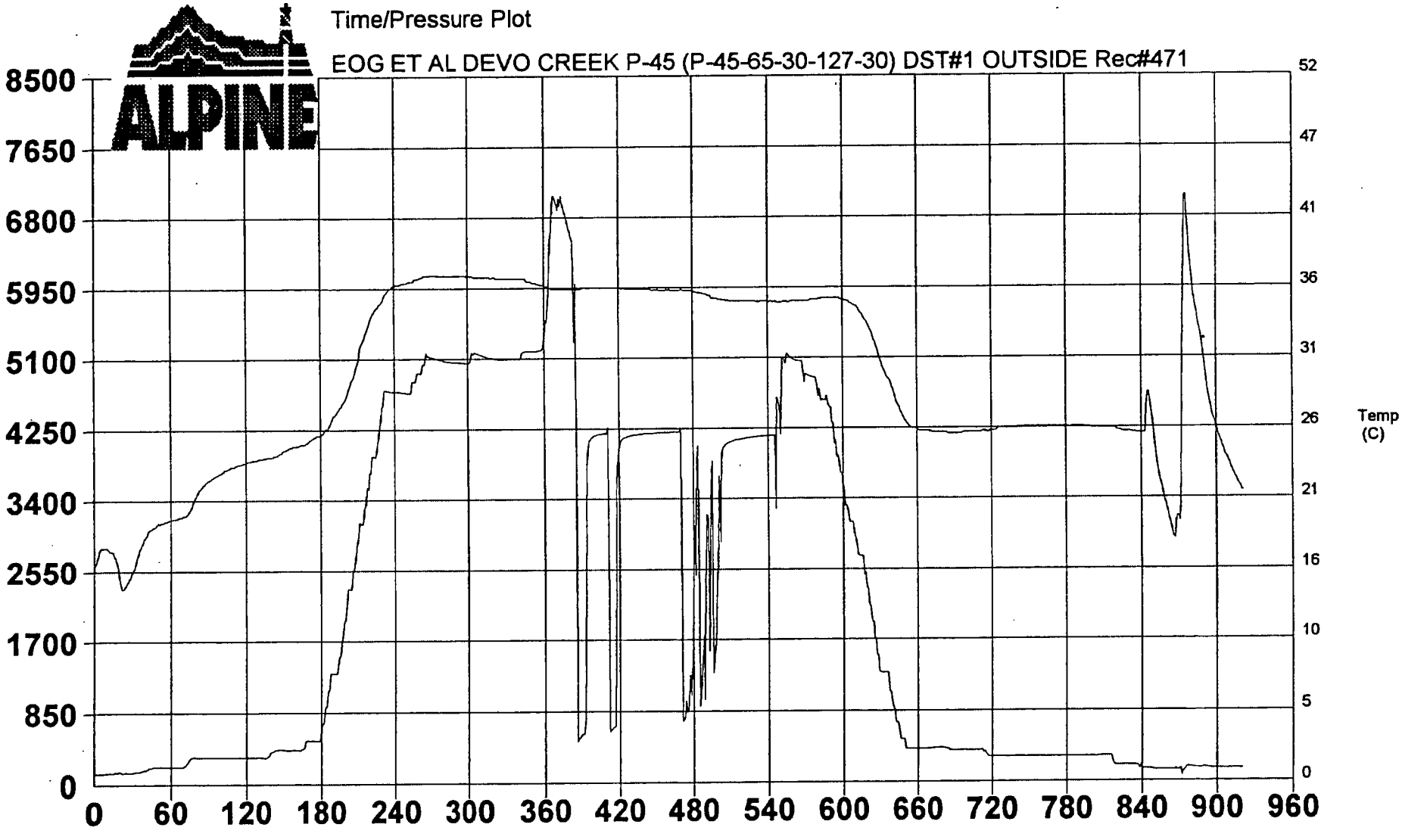

Horner Plot
EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#1 OUTSIDE Rec#497
Slope: 247.144668 Extrapolated Pres: 4262.544276
Shut-in# 1 Based on 10 points
6500
5850
5200
4550
3900
3250
2600
1950
1300
650
0
Pres (Kpa
10
1
Time (T+dT)/dT


ALPINE
Horner Plot
EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#1 OUTSIDE Rec#497
Slope: 253.325453 Extrapolated Pres: 4260.957454
Shut-in# 2 Based on 20 points
6500
5850
5200
4550
3900
3250
2600
1950
1300
650
0
Pres (Kpa
100
10
1
Time (T+dT)/dT

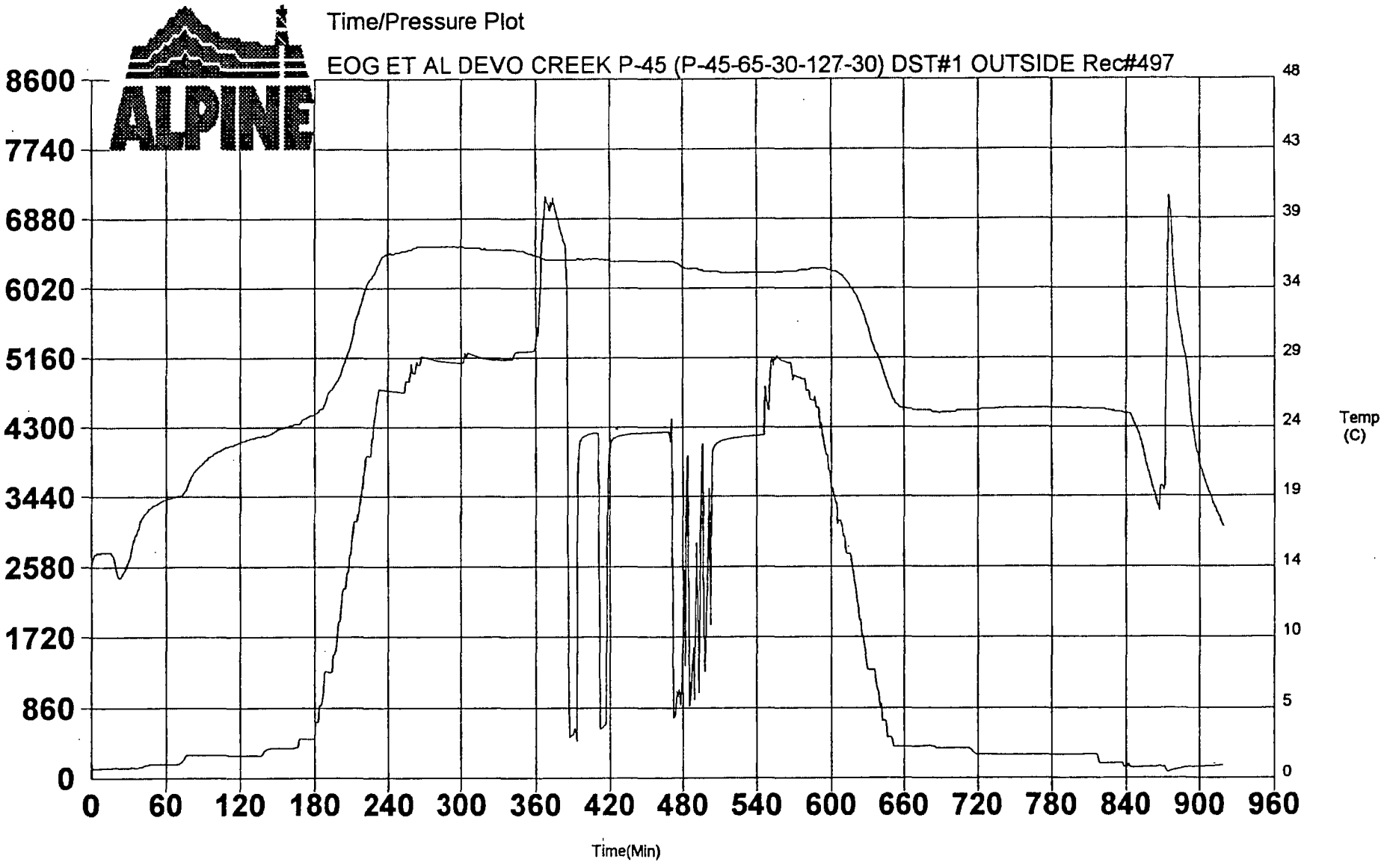

Horner Plot
EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#1 OUTSIDE Rec#497
Slope: 180.275745 Extrapolated Pres: 4253.154392
Shut-in# 3 Based on 20 points
6500
5850
5200
4550
3900
3250
2600
1950
1300
650
0
Pres
(Kpa
100
10
1
Time (T+dT)/dT



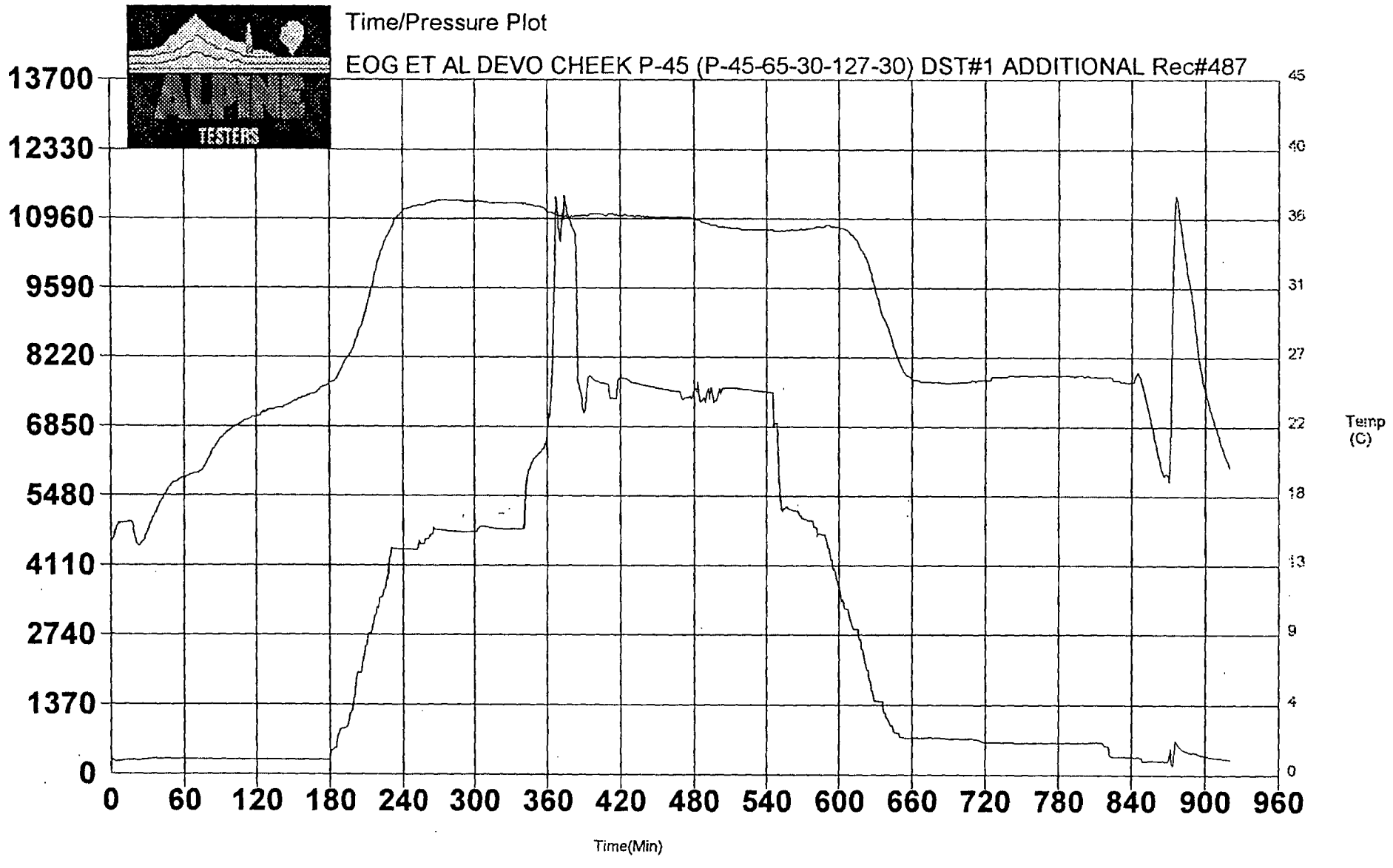
A Initial Hydrostatic - 4884
B Start of 1st Flow - 155
C End of 1st Flow - 214
D End of 1st Shutin - 3875
E Start of 2nd Flow - 244
F End of 2nd Flow - 318
G End of 2nd Shutin - 3872
H Start of 3rd Flow - 354
I End of 3rd Flow - 1407
J End of 3rd Shutin - 3847
Q Final Hydrostatic - 4785



A Initial Hydrostatic - 5191
B Start of 1st Flow - 486
C End of 1st Flow - 572
D End of 1st Shutin - 4193
E Start of 2nd Flow - 607
F End of 2nd Flow - 671
G End of 2nd Shutin - 4206
H Start of 3rd Flow - 727
I End of 3rd Flow - 2879
J End of 3rd Shutin - 4166
Q Final Hydrostatic - 5052



A Initial Hydrostatic - 5229
B Start of 1st Flow - 499
C End of 1st Flow - 448
D End of 1st Shutin - 4229
E Start of 2nd Flow - 596
F End of 2nd Flow - 660
G End of 2nd Shutin - 4240
H Start of 3rd Flow - 735
I End of 3rd Flow - 1868
J End of 3rd Shutin - 4202
Q Final Hydrostatic - 5094


ALPINE
TESTERS
Time/Pressure Plot
EOG ET AL DEVO CHEEK P-45 (P-45-65-30-127-30) DST#1 ADDITIONAL Rec#487
13700
12330
10960
9590
8220
6850
5480
4110
2740
1370
0
45
40
36
31
27
22
18
13
9
4
0
Temp (C)
0 60 120 180 240 300 360 420 480 540 600 660 720 780 840 900 960
Time(Min)

Drill Stem Testing Report

Company:

Job Ticket #: D3-1244a DST#: 1
Test Date: 01/16/2002 600hrs

Well Name: EOG ET AL DEVO CHEEK P-45

Contact: KEN RAE

Location: P-45-65-30-127-30

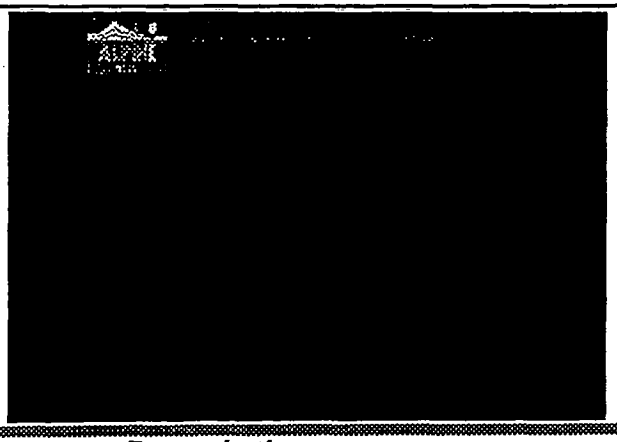
General Information:

Test Type:	INFLATE STRADDLE	Tester:	A SCARIONE
Interval:	462.00m - 475.00m	Truck No.:	□Ÿ□
Formation:	ARNICA	Contractor:	AKITA DRILLING
KB Elevation:	160.30m	Rig No.:	51 LING
Ground Elevation:	154.10m	Hole Diameter:	311mm
Total Depth:	517.50m	Hole Condition:	GOOD
Test Mode:	Fluid	Bottom Hole Temperature:	36.00 C

Electronic Recorder Information:

OUTSIDE		INSIDE	
Recorder #:	497	Recorder #:	458
Range:	10000 kPag	Range:	10000 kPag
Depth:	464.00 m	Depth:	445.00 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	5235.6
B Start of 1st Flow	0.00	498.8
C End of 1st Flow	6.00	447.9
D End of 1st Shutin	17.00	4229.2
E Start of 2nd Flow	0.00	596.1
F End of 2nd Flow	5.00	659.7
G End of 2nd Shutin	52.00	4239.6
H Start of 3rd Flow	0.00	735.0
I End of 3rd Flow	30.00	1868.1
J End of 3rd Shutin	44.00	4202.2
Q Final Hydrostatic	0.00	5120.4



Test Run Information:

Start Time:	600hrs
Reached Test Depth:	830hrs
Pull Out Time:	1325hrs
Tool Out Of Hole:	2000hrs
Weight set on Packers:	10000.00daN
Weight to free Packers:	35000.00daN
Initial String Weight:	27000.00daN
Unseated String Weight:	27000.00daN

Tool Chased Dist:	0.00m	Water Loss:	7.50cm³
Mud Type:	GEL CHEMICAL	Mud Drop:	NO
Mud Weight:	1085.00kg/m³	VIS:	76.00S/L
Amount of fill:	0.00m	Filter Cake:	0.00mm
Amt of cushion:	0.00	Pump Time:	0min
Type of cushion:	N/A	Reversed Out:	NO

General Remarks:

PREFLOW: Dead air blow throughout.

FINAL FLOW: Dead air blow throughout.

Recovery Description:

Total fluid recovery was 35 meters drilling fluid.

No gas to surface.

Gas Bomb: 0 Sampler: 2
Fluid Sample: 4 Sent to: CORE LAB

Drill Stem Testing - Tool Diagram / Description

Company:

Job Ticket #: D3-1244a DST#: 1
Test Date: 01/16/2002 600hrs

Well Name: EOG ET AL DEVO CHEEK P-45

Contact: KEN RAE

Location: P-45-65-30-127-30

Inflate Straddle

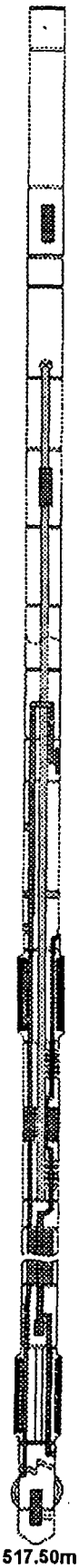
Drill Collar Stands:	4
Drill Collar Singles:	1
Drill Pipe Stands:	17
Drill Pipe Singles:	5
Heavy Wt. Pipe Stands:	0
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	468.16m
Total Drill Pipe Above K.B.:	6.69m
Total Depth:	518m

Tool / Drill Stem Information:

Tool Weight:	2000.00	daN
Drill Collar Inside Diameter:	59.00	mm
Drill Collar Length:	83.96	m
Drill Pipe Inside Diameter:	97.00	mm
Drill Pipe Length:	358.42	m
Heavy Weight Pipe Diameter:	0.00	mm
Heavy Weight Pipe Length:	0.00	m
Bottom Choke Diameter:	12.72	mm
Number of Packers: 2 Dia.:	280.00	mm

Tool Remarks:

Electronic Rec.# 4498 malfunctioned.



25.78m

358.95

44.43m

Depth: 462.0m

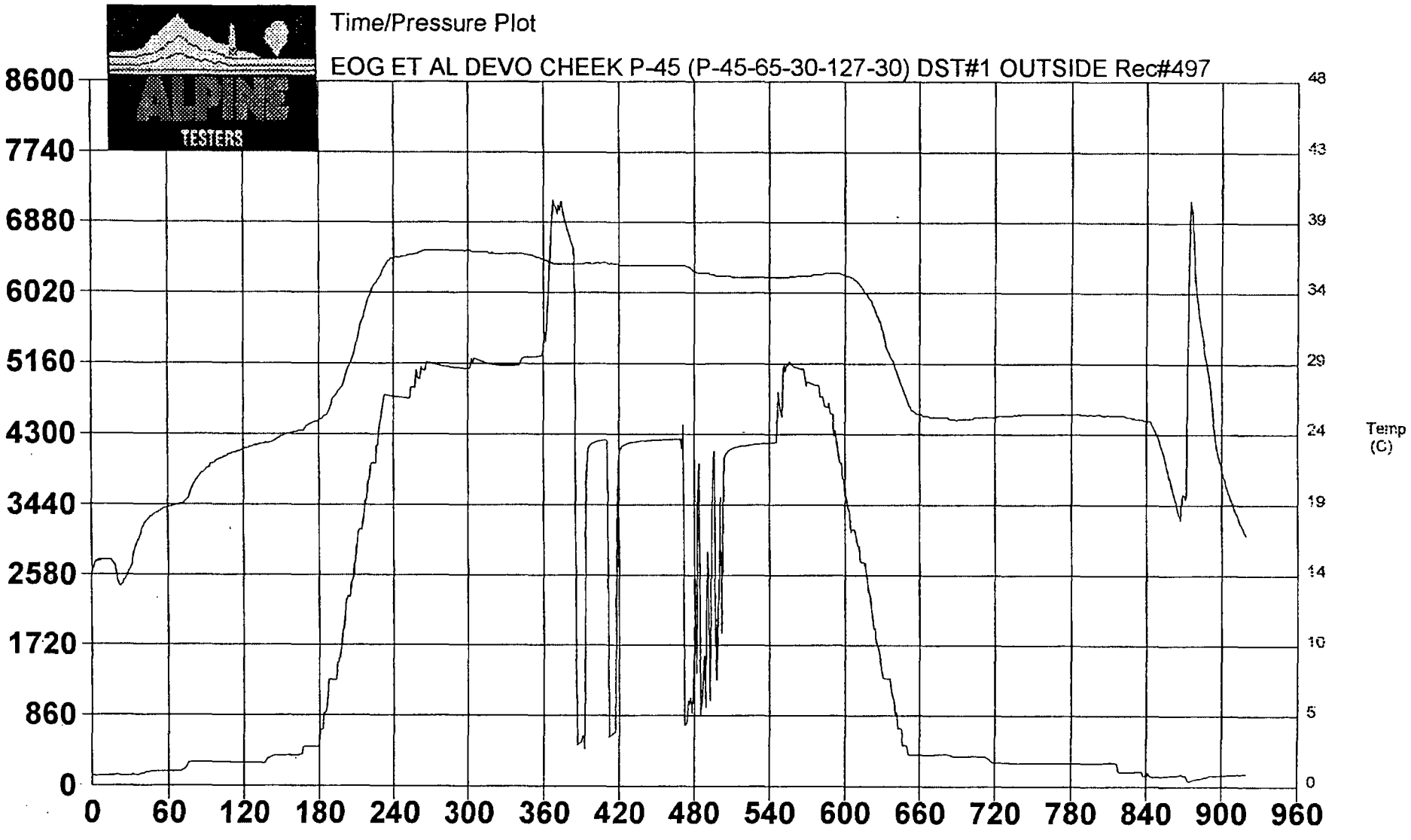
13.62m

Depth: 475.0m

5.03m

Total Depth: 517.50m

Item	Length
P.O. Sub	0.30
C.O. Sub	0.31
P.O. Sub	0.31
Fluid REC	1.82
HMV Stroke	2.39
Sampler	1.13
Sampler	1.13
458 Inside REC 445.05	1.44
Telemetry Tool	6.00
Jars	1.82
Safety Joint	0.72
Pump	2.10
Screen	1.45
Valve	2.23
Deflate	0.85
Packer	1.78
T.C.	0.72
Flow Sub	0.60
K-3 Carrier	1.10
C.O. Sub 464.42	0.21
471 Drill Collar	9.18
C.O. Sub 497	0.31
Bypass Receiver	0.78
Stubb	0.72
Packer	1.78
Blank Off Sub	0.72
Drag Spring	2.08
Bullnose	0.45



A Initial Hydrostatic - 5238
B Start of 1st Flow - 499
C End of 1st Flow - 448
D End of 1st Shutin - 4229
E Start of 2nd Flow - 596
F End of 2nd Flow - 860
G End of 2nd Shutin - 4240
H Start of 3rd Flow - 735
I End of 3rd Flow - 1866
J End of 3rd Shutin - 4202
Q Final Hydrostatic - 5120

Drilling Drill Stem Test

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128

Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/17 (YEAR MONTH DAY)
SURFACE LOC: P-45 65Ý30' LA 127Ý30'LO	AFE No.: D01E2660	DST #: 2
INTERVAL: 462 - 475	FORMATION: ARNICA	TESTING CO.: WEATHERFORD

TYPE OF TEST:	KB:	GRD:	TOTAL DEPTH OF WELL:
INFLATE STRADDLE	160.30	154.10	2600.00 mKB
HOLE SIZE (Normal Caliper):	**PACKER SIZE (OD):**	**BOTTOM HOLE CHOKE:**	
311 m	280	12.72	

FLUID CUSHION:

TYPE 0 LENGTH

D.C. LENGTH:	I.D.:	D.C. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:
83.96 m	59 m	m	mm	358.42 m	97 mm	m	mm

STICK-UP ABOVE FLOOR:	TOOL LENGTH ABOVE PACKER:	WEIGHT TO PULL PACKERS LOOSE:
6.69 m	25.78 m	40000 daN

MUD TYPE:	DENSITY:	VIS.:	W.L.:	PH.:	CL:
GEL CHEM	1080 kg/m3	65 s/l	7.8	9	750

TIME AND PRESSURE

*NOTE: COMPARE TWO RECORDERS, REPORT

RECORDER No.:	DEPTH:	
497	464	☐ INSIDE ☑ OUTSIDE

TOOL OPENED DATE (y-m-d) 2002/01/17 TIME

		INITIAL	FINAL
PF:	90 min	456 kPa	2960.7 kPa
INITIAL SHUT-IN:	182 min	kPa	4254 kPa
FLOW:	min	INITIAL kPa	FINAL kPa
FSI SI:	min	INITIAL kPa	FINAL kPa

IHP:	FHP:	BHT:
kP	kPa	°C

GAS FLOW READINGS

MEASURING DEVICE

TIME	ORIFICE mm	PRESSURE kPa	RATE m3/d

BLOW DESCRIPTION AND RECOVERY

PREFLOW

DEPTH OF BUBBLE HOSE 45 cm

GAS TO SURFACE: NGTS min.

DESCRIPTION: WEAK AIR BLOW INCREASING TO BOTTOM OF PAIL IN 13MINUTES. RELEASED FOR 10MINUTES, CLOSED AGAIN. WEAK AIR BLOW IN 3MINUTES INCREASING TO BOTTOM OF PAIL IN 17MINUTES.

2ND FLOW

DEPTH OF BUBBLE HOSE cm

GAS TO SURFACE: min.

DESCRIPTION:

RECOVERY DATA

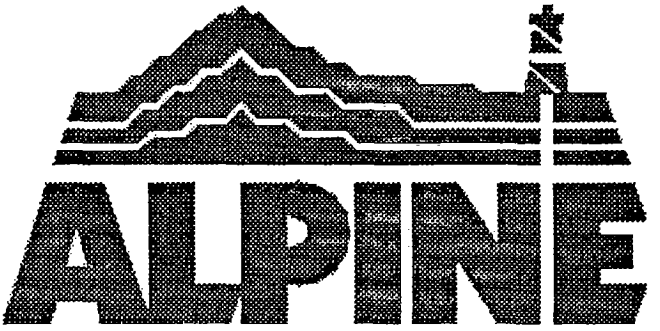
TOTAL RECOVERY: 66 m REVERSE CIRCULATED ☐ YES ☑ NO

CONSISTING OF: SALINITY OR API GRAVITY

m of cushion	
46 m of DRILLING FLUID	
20 m of MUDDY WATER	13000 mg/l SALINITY
m of	
m of	

SAMPLES	SAMPLE	SHIPPED TO	SHIPPED BY	SAMPLES SHIPPED
FLUID				
GAS BOMBS				
B.H.SAMPLER	2	CORE LAB	CANADIAN NORTH	

REMARKS:



Drill Stem Test Report

Prepared for: **EOG RESOURCES CANADA**
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Well Name: **EOG ET AL DEVO CREEK P-45**
Location: **P-45-65-30-127-30**

Test Date: **01/17/2002**

Job Ticket #: **D3-1245** DST#: **2**

Drill Stem Testing Report

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1245 DST#: 2
Test Date: 01/17/2002 300hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

General Information:

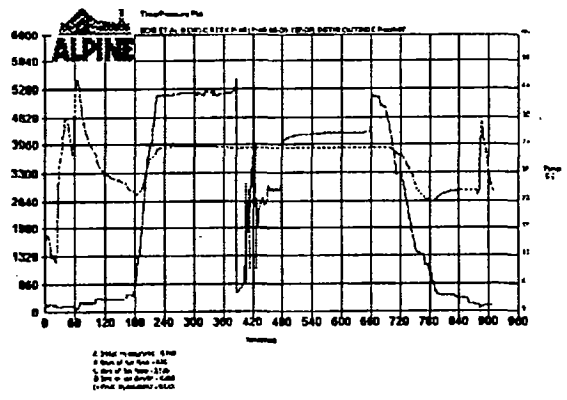
Test Type: INFLATE STRADDLE
Interval: 462.00m - 475.00m
Formation: ARNICA
KB Elevation: 160.30m
Ground Elevation: 154.10m
Total Depth: 518.50m
Test Mode: Fluid

Tester: A SCARIONE
Truck No.: □Ÿ□
Contractor: AKITA DRILLING
Rig No.: 51
Hole Diameter: 311mm
Hole Condition: GOOD
Bottom Hole Temperature: 32.60 C

Electronic Recorder Information:

OUTSIDE		INSIDE	
Recorder #:	497	Recorder #:	458
Range:	70000 kPag	Range:	70000 kPag
Depth:	464.42 m	Depth:	445.05 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	5188.7
B Start of 1st Flow	0.00	456.0
C End of 1st Flow	91.00	2129.7
D End of 1st Shutin	179.00	4255.4
Q Final Hydrostatic	0.00	5122.7



Test Run Information:

Start Time: 300hrs
Reached Test Depth: 700hrs
Pull Out Time: 1400hrs
Tool Out Of Hole: 1600hrs

Weight set on Packers: 10000.00daN
Weight to free Packers: 35000.00daN
Initial String Weight: 27000.00daN
Unseated String Weight: 28000.00daN

Tool Chased Dist: 0.00m
Mud Type: GEL CHEMICAL
Mud Weight: 1085.00kg/m³
Amount of fill: 0.00m
Amt of cushion: 0.00
Type of cushion: N/A

Water Loss: 7.50cm³
Mud Drop: NO
VIS: 61.00S/L
Filter Cake: 0.00mm
Pump Time: 60min
Reversed Out: NO

General Remarks:

Mechanically successful. *Test results suggest moderate permeability within the zone tested.

PREFLOW: Weak air blow increasing to strong in 13 minutes. Released to pit for 10 minutes, then weak air blow in 3 minutes increasing to strong in 17 minutes. Remaining strong throughout remainder of flow.

Recovery Description:

Total fluid recovery was 66 meters, consisting of 46 meters drilling fluid and 20 meters muddy water.
Salinity = 9,020 PPM.

No gas to surface.

Gas Bomb: 0 Sampler: 2
Fluid Sample: 5 Sent to: CORE LAB

Drill Stem Testing - Tool Diagram / Description

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1245 DST#: 2
Test Date: 01/17/2002 300hrs

Well Name: EOG ET AL DEVO CREEK P-45
Location: P-45-65-30-127-30

Inflate Straddle

Drill Collar Stands:	4
Drill Collar Singles:	1
Drill Pipe Stands:	19
Drill Pipe Singles:	1
Heavy Wt. Pipe Stands:	0
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	468.69m
Total Drill Pipe Above K.B.:	6.69m
Total Depth:	519m

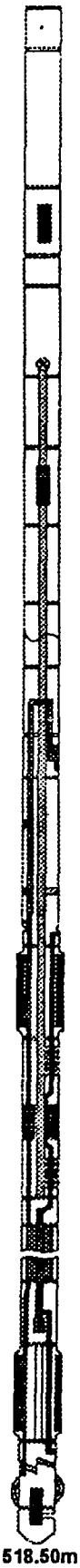
Tool / Drill Stem Information:

Tool Weight:	2000.00	daN
Drill Collar Inside Diameter:	59.00	mm
Drill Collar Length:	83.96	m
Drill Pipe Inside Diameter:	97.00	mm
Drill Pipe Length:	358.95	m
Heavy Weight Pipe Diameter:	0.00	mm
Heavy Weight Pipe Length:	0.00	m
Bottom Choke Diameter:	12.72	mm
Number of Packers: 2 Dia.:	280.00	mm

Tool Remarks:

NOTE -

Charts indicate plugging throughout flow.



Item	Length
P.O. Sub	0.30
C.O. Sub	0.31
P.O. Sub	0.31
Fluid REC	1.82
HMV Stroke	2.39
Sampler	1.13
Sampler	1.13
REC#458	1.44
Telemetry Tool	6.00
Jars	1.82
Safety Joint	0.72
Pump	2.10
Screen	1.45
Valve	2.23
Deflate	0.85
Packer	1.78
Stubb	0.72
Flow Sub	0.60
ASE Carrier	1.10
REC#471	
REC#497	
C.O. Sub	0.21
Drill Collar	9.18
C.O. Sub	0.31
Bypass Receiver	0.78
Stubb	0.72
Packer	1.78
Blank Off Sub	0.72
Drag Spring	2.08
Bullnose	0.45

25.78m

44.43m

Depth: 462.0m

13.62m

Depth: 476.0m

5.03m

Total Depth: 518.50m

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1245 DST#: 2
Test Date: 01/17/2002 300hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)	Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
A	Initial Hydrostatic	0.00	0.00	5188.70		32.6			36.00	3518.60	3974.60		32.7
B	Start of 1st Flow	0.00	0.00	456.00		32.4			37.00	3553.30	4009.30		32.7
		1.00	5.80	461.80		32.5			38.00	3502.40	3958.40		32.6
		2.00	15.10	471.10		32.4			39.00	567.20	1023.20		32.7
		3.00	42.80	498.80		32.4			40.00	1818.30	2274.30		32.6
		4.00	60.20	516.20		32.4			41.00	2013.90	2469.90		32.6
		5.00	76.40	532.40		32.4			42.00	2229.20	2685.20		32.6
		6.00	96.10	552.10		32.5			43.00	1535.90	1991.90		32.7
		7.00	106.50	562.50		32.5			44.00	1562.50	2018.50		32.6
		8.00	116.90	572.90		32.5			45.00	1753.50	2209.50		32.6
		9.00	125.00	581.00		32.5			46.00	1963.00	2419.00		32.6
		10.00	141.20	597.20		32.5			47.00	2051.00	2507.00		32.6
		11.00	173.60	629.60		32.5			48.00	2123.90	2579.90		32.6
		12.00	178.30	634.30		32.5			49.00	2186.40	2642.40		32.6
		13.00	192.20	648.20		32.5			50.00	2116.90	2572.90		32.6
		14.00	219.90	675.90		32.6			51.00	2224.60	2680.60		32.6
		15.00	362.30	818.30		32.5			52.00	2252.40	2708.40		32.7
		16.00	902.80	1358.80		32.5			53.00	2287.10	2743.10		32.6
		17.00	1759.30	2215.30		32.6			54.00	2244.30	2700.30		32.6
		18.00	2595.00	3051.00		32.6			55.00	2164.40	2620.40		32.6
		19.00	266.20	722.20		32.6			56.00	2101.90	2557.90		32.6
		20.00	444.50	900.50		32.6			57.00	2073.00	2529.00		32.6
		21.00	835.70	1291.70		32.6			58.00	2068.30	2524.30		32.6
		22.00	1996.60	2452.60		32.6			59.00	2116.90	2572.90		32.6
		23.00	2115.80	2571.80		32.6			60.00	2114.60	2570.60		32.6
		24.00	2119.30	2575.30		32.6			61.00	2114.60	2570.60		32.6
		25.00	2461.90	2917.90		32.6			62.00	2180.60	2636.60		32.6
		26.00	570.60	1026.60		32.6			63.00	2281.30	2737.30		32.6
		27.00	1745.40	2201.40		32.6			64.00	2472.30	2928.30		32.6
		28.00	2185.20	2641.20		32.6			65.00	2552.10	3008.10		32.6
		29.00	2283.60	2739.60		32.6			66.00	2519.70	2975.70		32.6
		30.00	2782.50	3238.50		32.7			67.00	2476.90	2932.90		32.6
		31.00	2740.80	3196.80		32.7			68.00	2446.80	2902.80		32.6
		32.00	3120.40	3576.40		32.7			69.00	2478.10	2934.10		32.6
		33.00	3281.30	3737.30		32.7			70.00	2437.60	2893.60		32.6
		34.00	3171.40	3627.40		32.7			71.00	2442.20	2898.20		32.6
		35.00	3467.70	3923.70		32.7			72.00	2470.00	2926.00		32.6

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1245 DST#: 2
Test Date: 01/17/2002 300hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		73.00	2493.10	2949.10		32.6
		74.00	2431.80	2887.80		32.6
		75.00	2427.10	2883.10		32.6
		76.00	2471.10	2927.10		32.6
		77.00	2474.60	2930.60		32.6
		78.00	2478.10	2934.10		32.6
		79.00	2453.80	2909.80		32.6
		80.00	2454.90	2910.90		32.5
		81.00	2459.50	2915.50		32.5
		82.00	2490.80	2946.80		32.6
		83.00	2470.00	2926.00		32.5
		84.00	2459.50	2915.50		32.5
		85.00	2445.70	2901.70		32.5
		86.00	2453.80	2909.80		32.5
		87.00	2445.70	2901.70		32.5
		88.00	2473.40	2929.40		32.5
		89.00	2476.90	2932.90		32.5
		90.00	2504.70	2960.70		32.5
C	End of 1st Flow	91.00	1673.70	2129.70		32.5
		1.00	1842.60	3972.30	92.0000	32.5
		2.00	1878.40	4008.10	46.5000	32.5
		3.00	1902.80	4032.50	31.3333	32.5
		4.00	1916.60	4046.30	23.7500	32.5
		5.00	1930.50	4060.20	19.2000	32.5
		6.00	1940.90	4070.60	16.1667	32.5
		7.00	1950.20	4079.90	14.0000	32.5
		8.00	1957.20	4086.90	12.3750	32.5
		9.00	1962.90	4092.60	11.1111	32.5
		10.00	1967.60	4097.30	10.1000	32.5
		11.00	1972.20	4101.90	9.2727	32.5
		12.00	1976.80	4106.50	8.5833	32.5
		13.00	1982.60	4112.30	8.0000	32.5
		14.00	1989.60	4119.30	7.5000	32.5
		15.00	1994.20	4123.90	7.0667	32.5
		16.00	2000.00	4129.70	6.6875	32.5
		17.00	2004.60	4134.30	6.3529	32.5
		18.00	2009.20	4138.90	6.0556	32.5

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		19.00	2013.90	4143.60	5.7895	32.6
		20.00	2016.20	4145.90	5.5500	32.5
		21.00	2019.70	4149.40	5.3333	32.5
		22.00	2024.30	4154.00	5.1364	32.6
		23.00	2025.40	4155.10	4.9565	32.5
		24.00	2028.90	4158.60	4.7917	32.5
		25.00	2031.20	4160.90	4.6400	32.5
		26.00	2034.70	4164.40	4.5000	32.5
		27.00	2038.20	4167.90	4.3704	32.5
		28.00	2041.60	4171.30	4.2500	32.6
		29.00	2042.80	4172.50	4.1379	32.6
		30.00	2045.10	4174.80	4.0333	32.6
		31.00	2046.30	4176.00	3.9355	32.6
		32.00	2048.60	4178.30	3.8438	32.5
		33.00	2049.70	4179.40	3.7576	32.6
		34.00	2050.90	4180.60	3.6765	32.6
		35.00	2053.20	4182.90	3.6000	32.6
		36.00	2054.40	4184.10	3.5278	32.6
		37.00	2055.50	4185.20	3.4595	32.5
		38.00	2056.70	4186.40	3.3947	32.5
		39.00	2057.80	4187.50	3.3333	32.5
		40.00	2060.20	4189.90	3.2750	32.6
		41.00	2061.30	4191.00	3.2195	32.6
		42.00	2063.60	4193.30	3.1667	32.6
		43.00	2064.80	4194.50	3.1163	32.6
		44.00	2066.00	4195.70	3.0682	32.6
		45.00	2067.10	4196.80	3.0222	32.6
		46.00	2069.40	4199.10	2.9783	32.6
		47.00	2068.30	4198.00	2.9362	32.6
		48.00	2070.60	4200.30	2.8958	32.6
		49.00	2071.70	4201.40	2.8571	32.5
		50.00	2073.60	4203.30	2.8200	32.6
		51.00	2073.60	4203.30	2.7843	32.5
		52.00	2074.80	4204.50	2.7500	32.5
		53.00	2075.20	4204.90	2.7170	32.6
		54.00	2078.20	4207.90	2.6852	32.6
		55.00	2078.20	4207.90	2.6545	32.5

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1245 DST#: 2
Test Date: 01/17/2002 300hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		56.00	2078.20	4207.90	2.6250	32.5
		57.00	2078.20	4207.90	2.5965	32.5
		58.00	2078.20	4207.90	2.5690	32.5
		59.00	2081.70	4211.40	2.5424	32.5
		60.00	2081.70	4211.40	2.5167	32.5
		61.00	2082.90	4212.60	2.4918	32.6
		62.00	2083.30	4213.00	2.4677	32.5
		63.00	2085.60	4215.30	2.4444	32.6
		64.00	2084.50	4214.20	2.4219	32.6
		65.00	2088.70	4218.40	2.4000	32.6
		66.00	2088.70	4218.40	2.3788	32.5
		67.00	2087.50	4217.20	2.3582	32.6
		68.00	2091.00	4220.70	2.3382	32.6
		69.00	2091.00	4220.70	2.3188	32.5
		70.00	2089.80	4219.50	2.3000	32.5
		71.00	2093.30	4223.00	2.2817	32.6
		72.00	2093.30	4223.00	2.2639	32.6
		73.00	2093.30	4223.00	2.2466	32.5
		74.00	2093.30	4223.00	2.2297	32.6
		75.00	2093.30	4223.00	2.2133	32.5
		76.00	2094.90	4224.60	2.1974	32.5
		77.00	2093.70	4223.40	2.1818	32.5
		78.00	2097.90	4227.60	2.1667	32.6
		79.00	2097.90	4227.60	2.1519	32.6
		80.00	2099.10	4228.80	2.1375	32.6
		81.00	2099.10	4228.80	2.1235	32.5
		82.00	2099.10	4228.80	2.1098	32.5
		83.00	2099.10	4228.80	2.0964	32.6
		84.00	2099.10	4228.80	2.0833	32.6
		85.00	2100.20	4229.90	2.0706	32.6
		86.00	2100.20	4229.90	2.0581	32.6
		87.00	2101.40	4231.10	2.0460	32.6
		88.00	2101.40	4231.10	2.0341	32.5
		89.00	2102.50	4232.20	2.0225	32.6
		90.00	2102.50	4232.20	2.0111	32.6
		91.00	2102.50	4232.20	2.0000	32.5
		92.00	2102.50	4232.20	1.9891	32.6
		93.00	2103.70	4233.40	1.9785	32.6
		94.00	2103.70	4233.40	1.9681	32.6
		95.00	2103.70	4233.40	1.9579	32.6
		96.00	2104.90	4234.60	1.9479	32.6
		97.00	2104.90	4234.60	1.9381	32.6
		98.00	2104.90	4234.60	1.9286	32.6
		99.00	2106.00	4235.70	1.9192	32.6
		100.00	2106.00	4235.70	1.9100	32.6
		101.00	2107.20	4236.90	1.9010	32.6
		102.00	2107.20	4236.90	1.8922	32.6
		103.00	2108.30	4238.00	1.8835	32.6
		104.00	2108.30	4238.00	1.8750	32.6
		105.00	2108.30	4238.00	1.8667	32.6
		106.00	2108.30	4238.00	1.8585	32.6
		107.00	2109.50	4239.20	1.8505	32.6
		108.00	2109.50	4239.20	1.8426	32.6
		109.00	2109.50	4239.20	1.8349	32.6
		110.00	2109.50	4239.20	1.8273	32.6
		111.00	2109.50	4239.20	1.8198	32.6
		112.00	2110.60	4240.30	1.8125	32.6
		113.00	2110.60	4240.30	1.8053	32.6
		114.00	2110.60	4240.30	1.7982	32.6
		115.00	2111.80	4241.50	1.7913	32.6
		116.00	2111.80	4241.50	1.7845	32.6
		117.00	2111.80	4241.50	1.7778	32.6
		118.00	2111.80	4241.50	1.7712	32.6
		119.00	2111.80	4241.50	1.7647	32.6
		120.00	2113.00	4242.70	1.7583	32.5
		121.00	2113.00	4242.70	1.7521	32.6
		122.00	2114.10	4243.80	1.7459	32.6
		123.00	2114.10	4243.80	1.7398	32.6
		124.00	2114.10	4243.80	1.7339	32.6
		125.00	2114.10	4243.80	1.7280	32.6
		126.00	2114.10	4243.80	1.7222	32.5
		127.00	2114.10	4243.80	1.7165	32.6
		128.00	2114.10	4243.80	1.7109	32.6
		129.00	2115.30	4245.00	1.7054	32.6

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

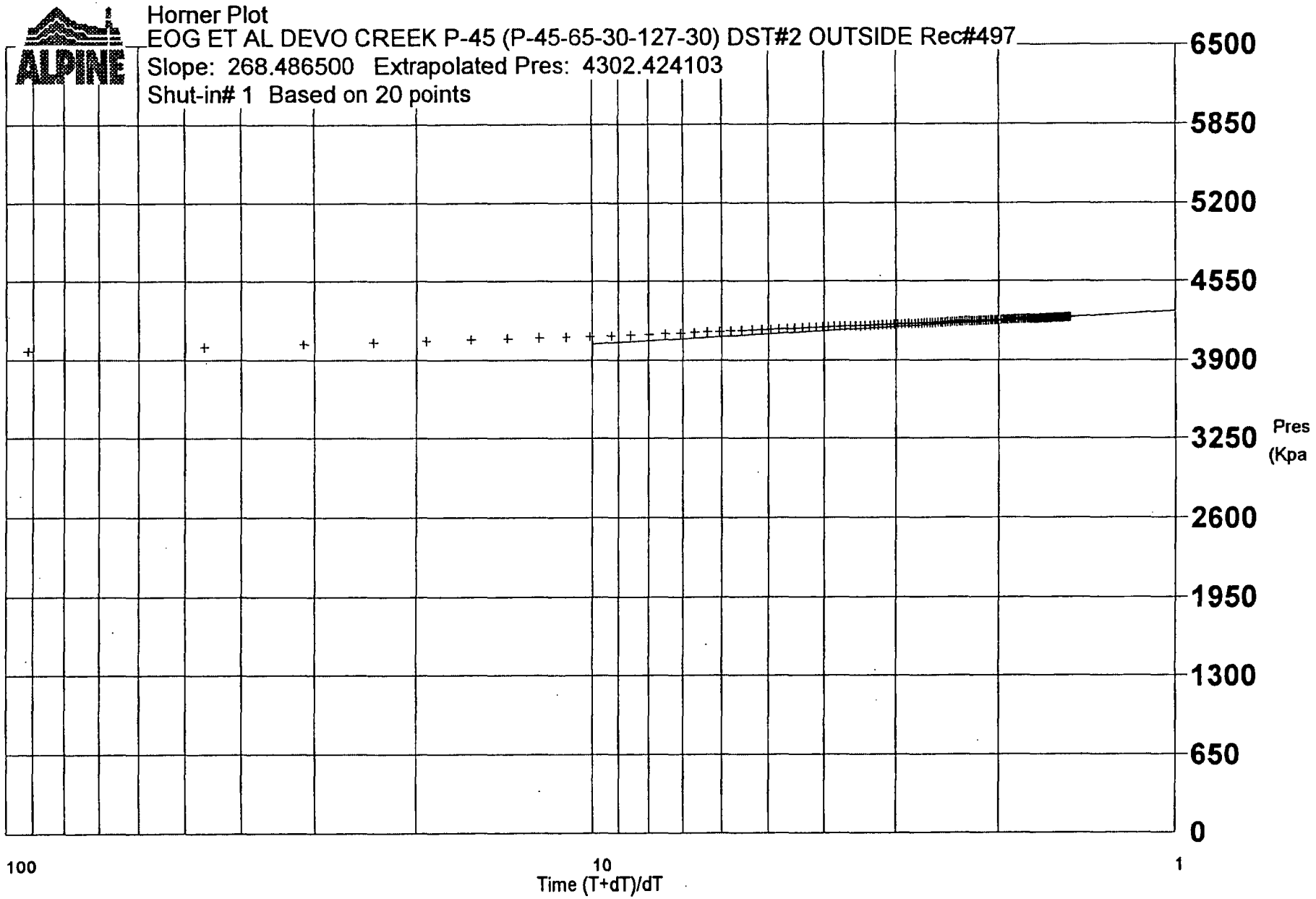
Contact: KEN RAE

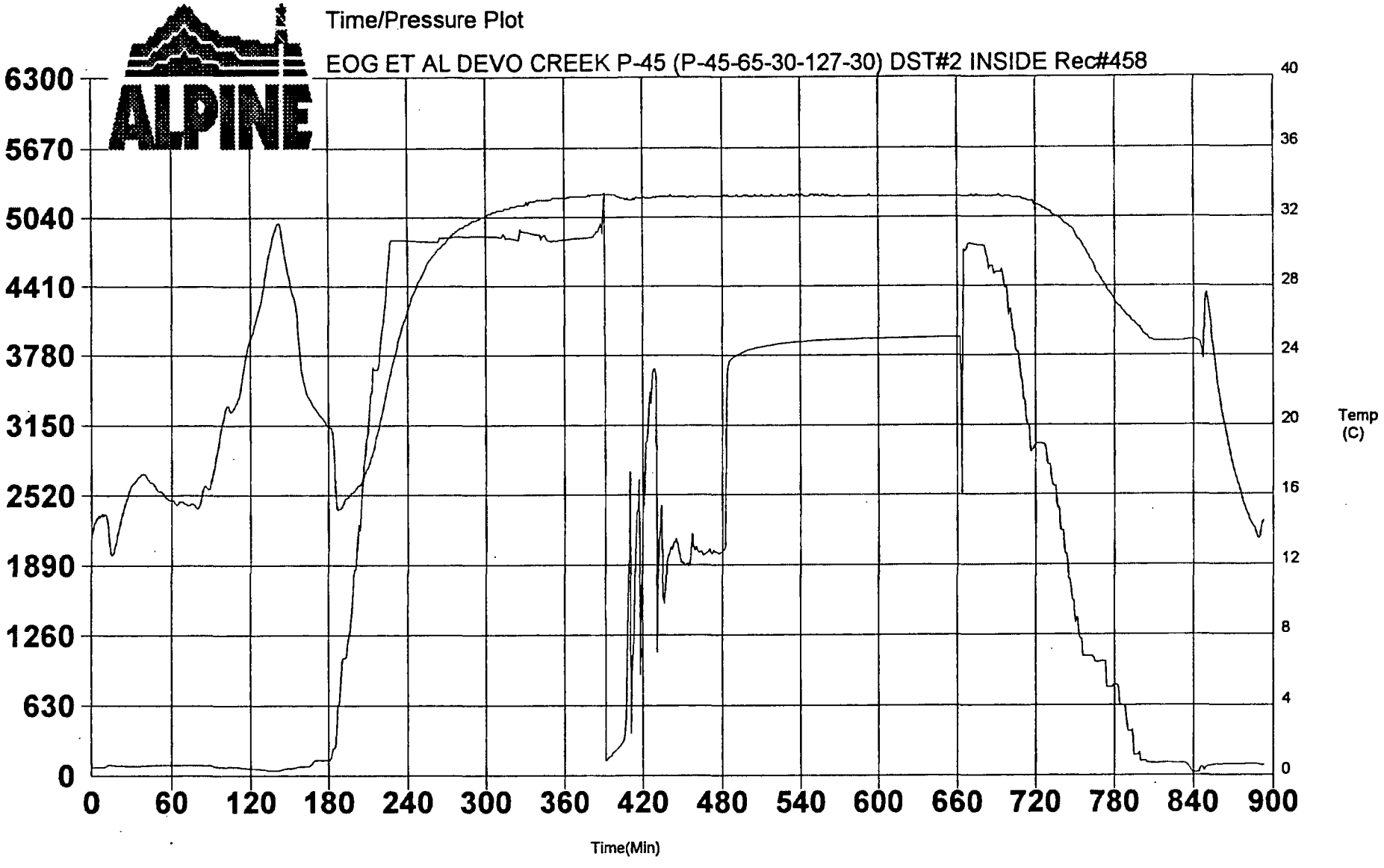
Job Ticket #: D3-1245 DST#: 2
Test Date: 01/17/2002 300hrs

Well Name: EOG ET AL DEVO CREEK P-45

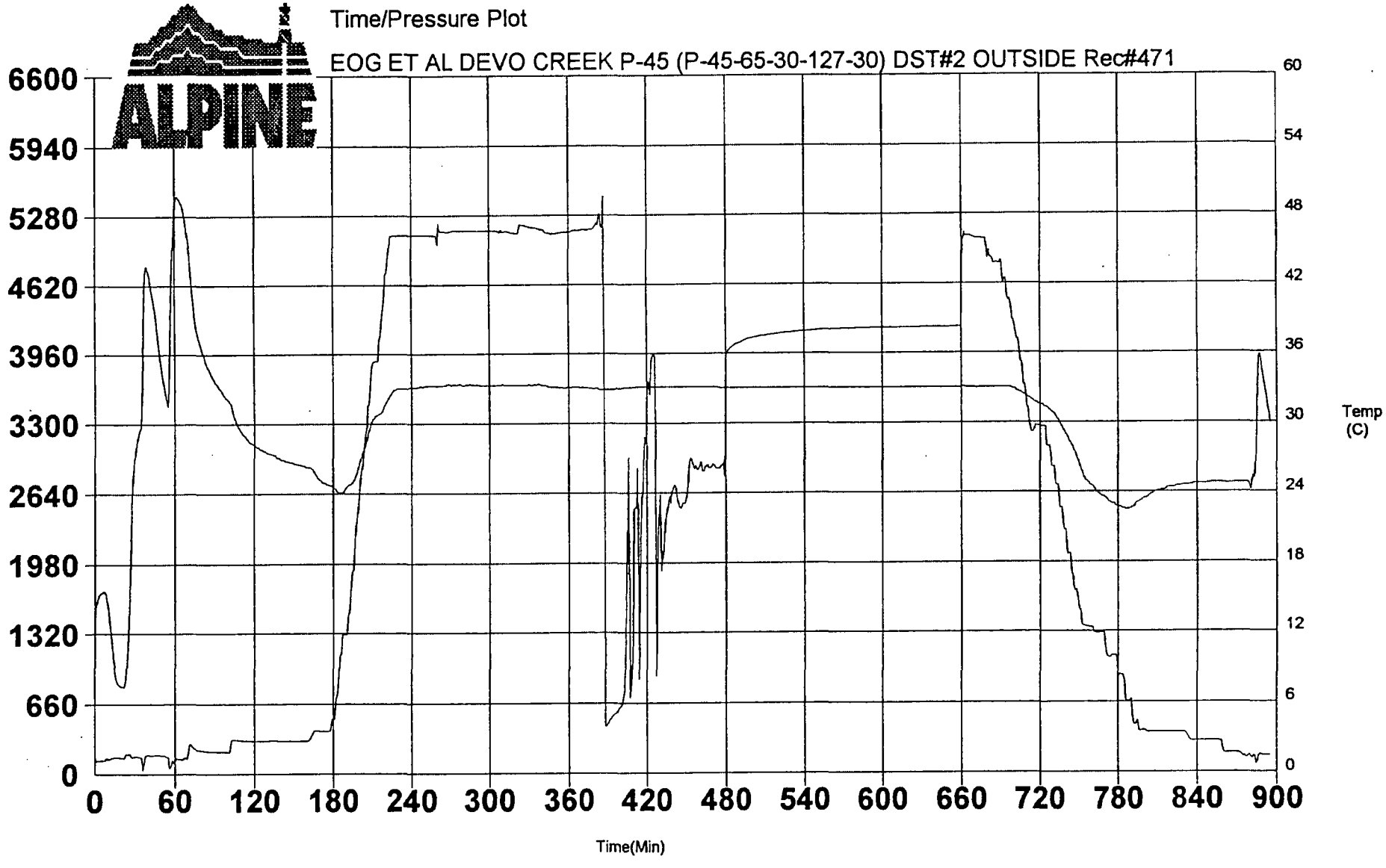
Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		130.00	2115.30	4245.00	1.7000	32.6
		131.00	2115.30	4245.00	1.6947	32.6
		132.00	2115.30	4245.00	1.6894	32.6
		133.00	2115.30	4245.00	1.6842	32.5
		134.00	2116.40	4246.10	1.6791	32.6
		135.00	2116.40	4246.10	1.6741	32.6
		136.00	2116.40	4246.10	1.6691	32.6
		137.00	2116.40	4246.10	1.6642	32.6
		138.00	2116.40	4246.10	1.6594	32.5
		139.00	2116.40	4246.10	1.6547	32.6
		140.00	2117.60	4247.30	1.6500	32.6
		141.00	2117.60	4247.30	1.6454	32.6
		142.00	2117.60	4247.30	1.6408	32.6
		143.00	2117.60	4247.30	1.6364	32.6
		144.00	2117.60	4247.30	1.6319	32.6
		145.00	2117.60	4247.30	1.6276	32.6
		146.00	2117.60	4247.30	1.6233	32.6
		147.00	2117.60	4247.30	1.6190	32.5
		148.00	2118.70	4248.40	1.6149	32.6
		149.00	2118.70	4248.40	1.6107	32.6
		150.00	2118.70	4248.40	1.6067	32.6
		151.00	2118.70	4248.40	1.6026	32.6
		152.00	2118.70	4248.40	1.5987	32.6
		153.00	2118.70	4248.40	1.5948	32.6
		154.00	2119.90	4249.60	1.5909	32.5
		155.00	2119.90	4249.60	1.5871	32.5
		156.00	2119.90	4249.60	1.5833	32.6
		157.00	2121.10	4250.80	1.5796	32.5
		158.00	2121.10	4250.80	1.5759	32.6
		159.00	2121.10	4250.80	1.5723	32.6
		160.00	2121.10	4250.80	1.5688	32.5
		161.00	2121.10	4250.80	1.5652	32.5
		162.00	2121.10	4250.80	1.5617	32.5
		163.00	2121.10	4250.80	1.5583	32.5
		164.00	2121.10	4250.80	1.5549	32.5
		165.00	2121.10	4250.80	1.5515	32.5
		166.00	2121.10	4250.80	1.5482	32.5
		167.00	2122.20	4251.90	1.5449	32.5
		168.00	2122.20	4251.90	1.5417	32.5
		169.00	2122.20	4251.90	1.5385	32.5
		170.00	2122.20	4251.90	1.5353	32.5
		171.00	2122.20	4251.90	1.5322	32.5
		172.00	2122.20	4251.90	1.5291	32.6
		173.00	2123.40	4253.10	1.5260	32.5
		174.00	2123.40	4253.10	1.5230	32.5
		175.00	2123.40	4253.10	1.5200	32.5
		176.00	2124.50	4254.20	1.5170	32.5
		177.00	2124.50	4254.20	1.5141	32.6
		178.00	2125.70	4255.40	1.5112	32.5
D	End of 1st Shutin	179.00	2125.70	4255.40	1.5084	32.5
Q	Final Hydrostatic	0.00	0.00	5122.70		32.6

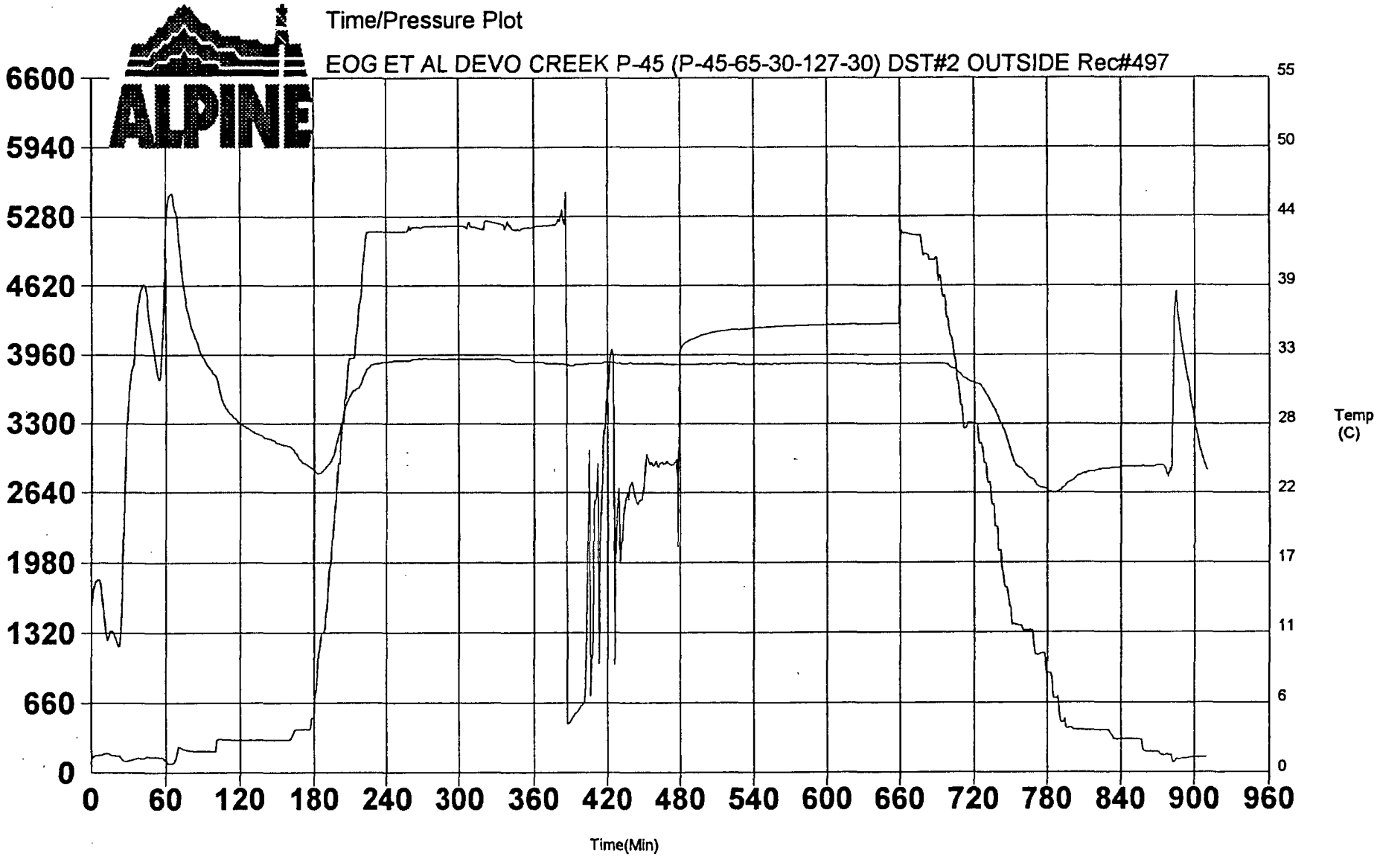

Horner Plot
EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#2 OUTSIDE Rec#497
Slope: 268.486500 Extrapolated Pres: 4302.424103
Shut-in# 1 Based on 20 points
6500
5850
5200
4550
3900
3250
2600
1950
1300
650
0
Pres (Kpa
100
10
1
Time (T+dT)/dT



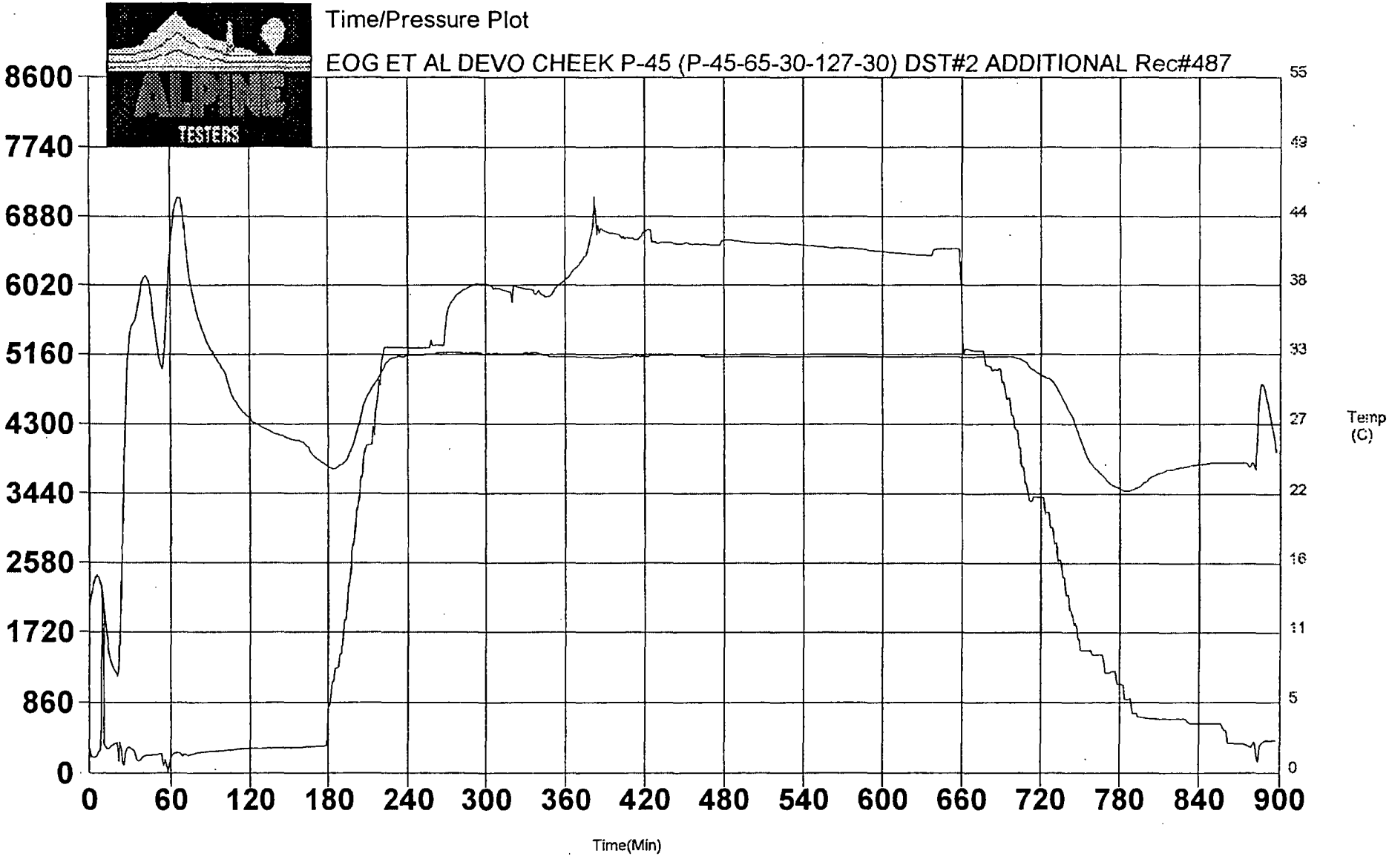
A Initial Hydrostatic - 4850
B Start of 1st Flow - 129
C End of 1st Flow - 2049
D End of 1st Shutin - 3946
Q Final Hydrostatic - 4799



A Initial Hydrostatic - 5142
B Start of 1st Flow - 441
C End of 1st Flow - 2798
D End of 1st Shutin - 4210
Q Final Hydrostatic - 5064



A Initial Hydrostatic - 5189
B Start of 1st Flow - 456
C End of 1st Flow - 2130
D End of 1st Shutin - 4255
Q Final Hydrostatic - 5123


Time/Pressure Plot
EOG ET AL DEVO CHEEK P-45 (P-45-65-30-127-30) DST#2 ADDITIONAL Rec#487
ALPINE TESTERS
8600
7740
6880
6020
5160
4300
3440
2580
1720
860
0
55
49
44
38
33
27
22
16
11
5
0
Temp (C)
0
60
120
180
240
300
360
420
480
540
600
660
720
780
840
900
Time(Min)

Drill Stem Testing Report

Company:

Job Ticket #: D3-1245 DST#: 2
Test Date: 01/17/2002 300hrs

Well Name: EOG ET AL DEVO CHEEK P-45

Contact: KEN RAE

Location: P-45-65-30-127-30

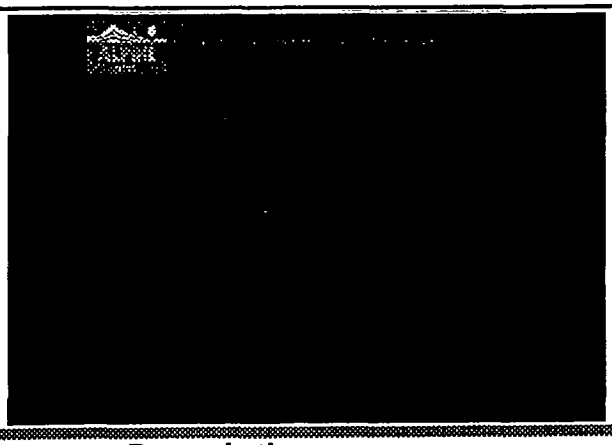
General Information:

Test Type:	INFLATE STRADDLE	Tester:	A SCARIONE
Interval:	462.00m - 475.00m	Truck No.:	□Ÿ□
Formation:	ARNICA	Contractor:	AKITA DRILLING
KB Elevation:	160.30m	Rig No.:	51 LING
Ground Elevation:	154.10m	Hole Diameter:	311mm
Total Depth:	518.50m	Hole Condition:	GOOD
Test Mode:	Fluid	Bottom Hole Temperature:	36.00 C

Electronic Recorder Information:

OUTSIDE		INSIDE	
Recorder #:	497	Recorder #:	458
Range:	70000 kPag	Range:	70000 kPag
Depth:	m	Depth:	m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	5190.5
B Start of 1st Flow	0.00	456.0
C End of 1st Flow	91.00	2129.7
D End of 1st Shutin	179.00	4255.4
Q Final Hydrostatic	0.00	5122.7



Test Run Information:

Start Time:	300hrs
Reached Test Depth:	700hrs
Pull Out Time:	1400hrs
Tool Out Of Hole:	1600hrs
Weight set on Packers:	10000.00daN
Weight to free Packers:	35000.00daN
Initial String Weight:	27000.00daN
Unseated String Weight:	28000.00daN

Tool Chased Dist:	0.00m	Water Loss:	7.50cm³
Mud Type:	GEL CHEMICAL	Mud Drop:	NO
Mud Weight:	1085.00kg/m³	VIS:	61.00S/L
Amount of fill:	0.00m	Filter Cake:	0.00mm
Amt of cushion:	0.00	Pump Time:	60min
Type of cushion:	N/A	Reversed Out:	NO

General Remarks:

PREFLOW: Weak air blow increasing to strong in 13 minutes. Released to pit for 10 minutes, then weak air blow in 3 minutes increasing to strong in 17 minutes.

Recovery Description:

Total fluid recovery was 66 meters, consisting of 46 meters drilling fluid and 20 meters muddy water.
Salinity = 9,020 PPM.

No gas to surface.

Gas Bomb: 0 Sampler: 2
Fluid Sample: 5 Sent to: CORE LAB

Drill Stem Testing - Tool Diagram / Description

Company:

Job Ticket #: D3-1245 DST#: 2
Test Date: 01/17/2002 300hrs

Well Name: EOG ET AL DEVO CHEEK P-45

Contact: KEN RAE

Location: P-45-65-30-127-30

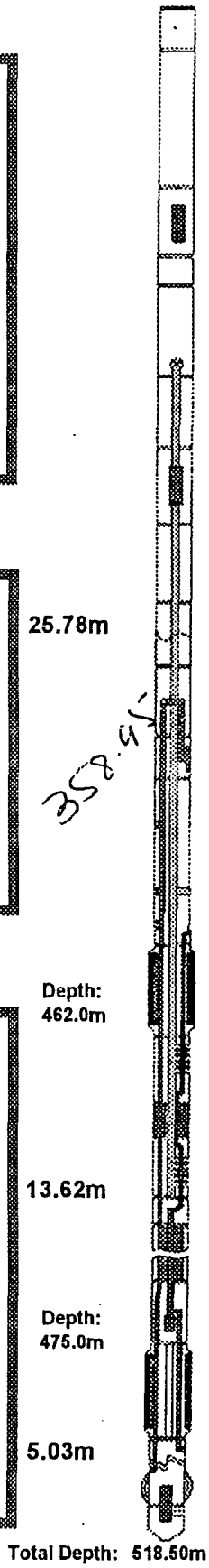
Inflate Straddle

Drill Collar Stands:	4
Drill Collar Singles:	1
Drill Pipe Stands:	19
Drill Pipe Singles:	1
Heavy Wt. Pipe Stands:	0
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	468.16m
Total Drill Pipe Above K.B.:	6.69m
Total Depth:	519m

Tool / Drill Stem Information:

Tool Weight:	2000.00	daN
Drill Collar Inside Diameter:	59.00	mm
Drill Collar Length:	83.96	m
Drill Pipe Inside Diameter:	97.00	mm
Drill Pipe Length:	358.42	m
Heavy Weight Pipe Diameter:	0.00	mm
Heavy Weight Pipe Length:	0.00	m
Bottom Choke Diameter:	12.72	mm
Number of Packers: 2 Dia.:	280.00	mm

Tool Remarks:



Item	Length
P.O. Sub	0.30
C.O. Sub	0.31
P.O. Sub	0.31
Fluid REC	1.82
HMV Stroke	2.39
Sampler	1.13
Sampler	1.13
Inside REC	1.44
Telemetry Tool	6.00
Jars	1.82
Safety Joint	0.72
Pump	2.10
Screen	1.45
Valve	2.23
Deflate	0.85
Packer	1.78
T.C.	0.72
Flow Sub	0.60
K-3 Carrier	1.10
C.O. Sub	0.21
Drill Collar	9.18
C.O. Sub	0.31
Bypass Receiver	0.78
Stubb	0.72
Packer	1.78
Blank Off Sub	0.72
Drag Spring	2.08
Bullnose	0.45

Drilling Drill Stem Test

EOG Resources Canada

Consultant : KEN RAE
Tel2: 128
Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/18 (YEAR MONTH DAY)
SURFACE LOC: P-45 65Ý30' LA 127Ý30'LO	AFE No.: D01E2660	DST #: 3
INTERVAL: 320 - 333	FORMATION: HUME	TESTING CO.: WEATHERFORD

TYPE OF TEST:	KB:	GRD:	TOTAL DEPTH OF WELL:
INFLATE STRADDLE	160.30	154.10	2600.00 mKB
HOLE SIZE (Normal Caliper):	**PACKER SIZE (OD):**	**BOTTOM HOLE CHOKE:**	
311 m	280	12.72	

FLUID CUSHION:
TYPE 0 LENGTH

D.C. LENGTH:	I.D.:	D.C. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:
83.96 m	59 m	m	mm	220.48 m	97 mm	m	mm

STICK-UP ABOVE FLOOR:	TOOL LENGTH ABOVE PACKER:	WEIGHT TO PULL PACKERS LOOSE:
10.15 m	25.78 m	40000 daN

MUD TYPE:	DENSITY:	VIS.:	W.L.:	PH.:	CL:
GEL CHEM	1080 kg/m3	64 s/l	7.8	9	750

TIME AND PRESSURE

*NOTE: COMPARE TWO RECORDERS, REPORT

RECORDER No.:	DEPTH:	
471	322	☐ INSIDE ☑ OUTSIDE

TOOL OPENED	DATE (y-m-d)	TIME
	2002/01/17	

		INITIAL	FINAL
PF:	4 min	428.2 kPa	476.9 kPa
INITIAL SHUT-IN:	57 min	kPa	2798.4 kPa
FLOW:	68 min	522 kPa	1162 kPa
FSI SI:	119 min	kPa	2799 kPa

IHP:	FHP:	BHT:
3590 kP	2575.3 kPa	36 °C

GAS FLOW READINGS

MEASURING DEVICE

TIME	ORIFICE mm	PRESSURE kPa	RATE m3/d

BLOW DESCRIPTION AND RECOVERY

PREFLOW

DEPTH OF BUBBLE HOSE 40 cm | GAS TO SURFACE: NO min.

DESCRIPTION: WEAK AIR BLOW INCREASING TO FAIR IN 1MINUTE. NO GAS TO SURFACE

2ND FLOW

DEPTH OF BUBBLE HOSE 8 cm | GAS TO SURFACE: NGTS min.

DESCRIPTION: WEAK AIR BLOW INCREASING TO SLIGHTLY THROUGHOUT

RECOVERY DATA

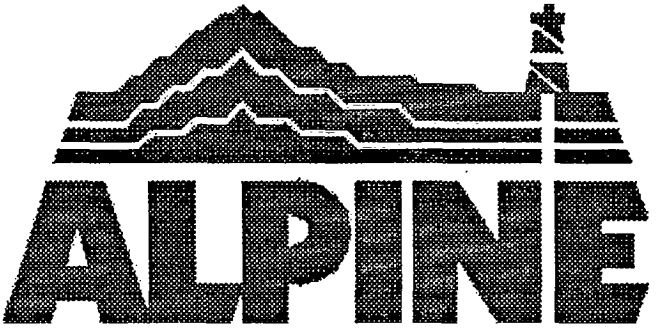
TOTAL RECOVERY: 63 m REVERSE CIRCULATED ☐ YES ☑ NO

CONSISTING OF: SALINITY OR API GRAVITY

0 m of cushion	
63 m of DRILLING FLUID	4200 mg/l SALINITY
m of	
m of	
m of	

SAMPLES	SAMPLE	SHIPPED TO	SHIPPED BY	SAMPLES SHIPPED
FLUID				
GAS BOMBS				
B.H.SAMPLER	2	CORE LAB	CANADIAN NORTH	

REMARKS:



Drill Stem Test Report

Prepared for: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Well Name: EOG ET AL DEVO CREEK P-45
Location: P-45-65-30-127-30

Test Date: 01/17/2002

Job Ticket #: D3-1246 DST#: 3

Drill Stem Testing Report

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1246 DST#: 3
Test Date: 01/17/2002 1830hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

General Information:

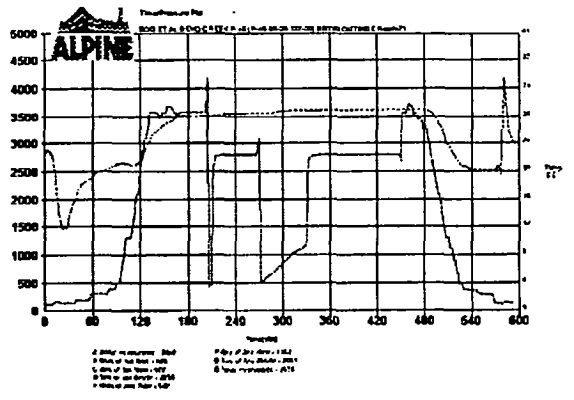
Test Type: INFLATE STRADDLE
Interval: 320.00m - 333.00m
Formation: HUME
KB Elevation: 160.30m
Ground Elevation: 154.10m
Total Depth: 518.50m
Test Mode: Fluid

Tester: A SCARIONE
Truck No.: □Ÿ□
Contractor: AKITA DRILLING
Rig No.: 51
Hole Diameter: 311mm
Hole Condition: GOOD
Bottom Hole Temperature: 29.60 C

Electronic Recorder Information:

OUTSIDE		FLUID	
Recorder #:	471	Recorder #:	497
Range:	70000 kPag	Range:	70000 kPag
Depth:	322.42 m	Depth:	297.56 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	3589.9
B Start of 1st Flow	0.00	428.2
C End of 1st Flow	4.00	476.9
D End of 1st Shutin	57.00	2798.4
E Start of 2nd Flow	0.00	522.0
F End of 2nd Flow	58.00	1162.1
G End of 2nd Shutin	114.00	2800.7
Q Final Hydrostatic	0.00	3575.3



Test Run Information:

Start Time: 1830hrs
Reached Test Depth: 2130hrs
Pull Out Time: 150hrs
Tool Out Of Hole: 400hrs

Weight set on Packers: 6000.00daN
Weight to free Packers: 23000.00daN
Initial String Weight: 23000.00daN
Unseated String Weight: 23000.00daN

Tool Chased Dist: 0.00m
Mud Type: GEL CHEMICAL
Mud Weight: 1085.00kg/m³
Amount of fill: 0.00m
Amt of cushion: 0.00
Type of cushion: N/A

Water Loss: 7.50cm³
Mud Drop: NO
VIS: 61.00S/L
Filter Cake: 1.00mm
Pump Time: 30min
Reversed Out: NO

General Remarks:

Mechanically successful. *Test results suggest moderate permeability within the zone tested.

PREFLOW: Weak air b;pw increasing to fair in 1 minute. Remaining fair throughout remainder of flow.

FINAL FLOW: Weak air blow increasing slightly throughout.

Recovery Description:

Total fluid recovery was 63 meters drilling fluid.

No gas to surface.

Gas Bomb: 0 Sampler: 2
Fluid Sample: 5 Sent to: CORE LAB

Drill Stem Testing - Tool Diagram / Description

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1246 DST#: 3
Test Date: 01/17/2002 1900hrs

Well Name: EOG ET AL DEVO CREEK P-45
Location: P-45-65-30-127-30

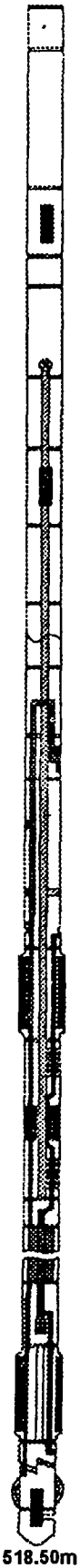
Inflate Straddle

Drill Collar Stands:	4
Drill Collar Singles:	1
Drill Pipe Stands:	12
Drill Pipe Singles:	0
Heavy Wt. Pipe Stands:	0
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	330.15m
Total Drill Pipe Above K.B.:	10.15m
Total Depth:	519m

Tool / Drill Stem Information:

Tool Weight:	6000.00	daN
Drill Collar Inside Diameter:	59.00	mm
Drill Collar Length:	83.96	m
Drill Pipe Inside Diameter:	97.00	mm
Drill Pipe Length:	221.01	m
Heavy Weight Pipe Diameter:	0.00	mm
Heavy Weight Pipe Length:	0.00	m
Bottom Choke Diameter:	12.72	mm
Number of Packers: 2 Dia.:	280.00	mm

Tool Remarks:



Item	Length
P.O. Sub	0.30
C.O. Sub	0.31
P.O. Sub	0.31
REC#497	1.82
HMV Stroke	2.39
Sampler	1.13
Sampler	1.13
REC#458	1.44
Blank Spacing	5.40
Jars	1.82
Safety Joint	0.72
Pump	2.10
Screen	1.45
Valve	2.23
Deflate	0.85
Packer	1.78
Stubb	0.72
Flow Sub	0.60
ASE Carrier	1.10
REC#471	
C.O. Sub	0.21
Drill Collar	9.18
C.O. Sub	0.31
Bypass Receiver	0.78
Stubb	0.72
Packer	1.78
Blank Off Sub	0.72
Drag Spring	2.08
Bullnose	0.45

25.18m

43.83m

Depth: 320.0m

13.62m

Depth: 333.0m

5.03m

Total Depth: 518.50m

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1246 DST#: 3
Test Date: 01/17/2002 1900hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)	Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
A	Initial Hydrostatic	0.00	0.00	3589.90		28.7			32.00	2321.50	2798.40	1.1250	28.9
B	Start of 1st Flow	0.00	0.00	428.20		28.7			33.00	2321.50	2798.40	1.1212	29.0
		1.00	32.50	460.70		28.7			34.00	2321.50	2798.40	1.1176	28.9
		2.00	37.10	465.30		28.7			35.00	2321.50	2798.40	1.1143	28.9
		3.00	42.90	471.10		28.8			36.00	2321.50	2798.40	1.1111	28.9
C	End of 1st Flow	4.00	48.70	476.90		28.8			37.00	2321.50	2798.40	1.1081	28.9
		1.00	1763.90	2240.80	5.0000	28.7			38.00	2321.50	2798.40	1.1053	29.0
		2.00	2082.20	2559.10	3.0000	28.7			39.00	2321.50	2798.40	1.1026	28.9
		3.00	2202.50	2679.40	2.3333	28.8			40.00	2321.50	2798.40	1.1000	29.0
		4.00	2254.60	2731.50	2.0000	28.7			41.00	2321.50	2798.40	1.0976	28.9
		5.00	2281.20	2758.10	1.8000	28.8			42.00	2321.50	2798.40	1.0952	28.9
		6.00	2292.80	2769.70	1.6667	28.8			43.00	2321.50	2798.40	1.0930	29.0
		7.00	2300.90	2777.80	1.5714	28.8			44.00	2321.50	2798.40	1.0909	29.0
		8.00	2305.50	2782.40	1.5000	28.8			45.00	2321.50	2798.40	1.0889	29.0
		9.00	2309.00	2785.90	1.4444	28.8			46.00	2321.50	2798.40	1.0870	29.0
		10.00	2313.60	2790.50	1.4000	28.8			47.00	2321.50	2798.40	1.0851	29.0
		11.00	2313.60	2790.50	1.3636	28.8			48.00	2321.50	2798.40	1.0833	29.0
		12.00	2316.00	2792.90	1.3333	28.8			49.00	2321.50	2798.40	1.0816	29.0
		13.00	2319.10	2796.00	1.3077	28.8			50.00	2321.50	2798.40	1.0800	29.0
		14.00	2318.00	2794.90	1.2857	28.8			51.00	2321.50	2798.40	1.0784	29.0
		15.00	2318.00	2794.90	1.2667	28.8			52.00	2321.50	2798.40	1.0769	29.0
		16.00	2320.30	2797.20	1.2500	28.9			53.00	2321.50	2798.40	1.0755	29.0
		17.00	2320.30	2797.20	1.2353	28.9			54.00	2321.50	2798.40	1.0741	29.0
		18.00	2320.30	2797.20	1.2222	28.9			55.00	2321.50	2798.40	1.0727	29.0
		19.00	2319.10	2796.00	1.2105	28.9			56.00	2321.50	2798.40	1.0714	29.0
		20.00	2319.10	2796.00	1.2000	28.9	D	End of 1st Shutin	57.00	2321.50	2798.40	1.0702	29.0
		21.00	2321.50	2798.40	1.1905	28.9	E	Start of 2nd Flow	0.00	0.00	522.00		29.1
		22.00	2321.50	2798.40	1.1818	28.9			1.00	10.40	532.40		29.1
		23.00	2321.50	2798.40	1.1739	28.8			2.00	18.50	540.50		29.1
		24.00	2321.50	2798.40	1.1667	29.0			3.00	23.10	545.10		29.1
		25.00	2321.50	2798.40	1.1600	29.0			4.00	37.00	559.00		29.1
		26.00	2321.50	2798.40	1.1538	29.0			5.00	54.40	576.40		29.1
		27.00	2321.50	2798.40	1.1481	28.9			6.00	68.30	590.30		29.1
		28.00	2321.50	2798.40	1.1429	28.9			7.00	78.70	600.70		29.1
		29.00	2321.50	2798.40	1.1379	28.9			8.00	89.10	611.10		29.1
		30.00	2321.50	2798.40	1.1333	29.0			9.00	103.00	625.00		29.1
		31.00	2321.50	2798.40	1.1290	28.9			10.00	113.40	635.40		29.1

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1246 DST#: 3
Test Date: 01/17/2002 1900hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		11.00	122.70	644.70		29.1
		12.00	133.10	655.10		29.1
		13.00	143.50	665.50		29.1
		14.00	152.80	674.80		29.1
		15.00	163.20	685.20		29.1
		16.00	173.60	695.60		29.1
		17.00	181.70	703.70		29.2
		18.00	193.30	715.30		29.2
		19.00	208.30	730.30		29.2
		20.00	222.20	744.20		29.2
		21.00	236.10	758.10		29.2
		22.00	253.50	775.50		29.2
		23.00	268.50	790.50		29.3
		24.00	281.30	803.30		29.3
		25.00	296.30	818.30		29.3
		26.00	307.90	829.90		29.3
		27.00	318.30	840.30		29.3
		28.00	332.20	854.20		29.3
		29.00	344.90	866.90		29.3
		30.00	360.00	882.00		29.4
		31.00	373.80	895.80		29.4
		32.00	387.70	909.70		29.4
		33.00	401.60	923.60		29.4
		34.00	415.50	937.50		29.4
		35.00	428.20	950.20		29.4
		36.00	439.80	961.80		29.5
		37.00	458.30	980.30		29.5
		38.00	468.80	990.80		29.5
		39.00	481.50	1003.50		29.5
		40.00	495.40	1017.40		29.5
		41.00	508.10	1030.10		29.5
		42.00	519.70	1041.70		29.5
		43.00	527.80	1049.80		29.5
		44.00	533.60	1055.60		29.5
		45.00	540.50	1062.50		29.5
		46.00	548.60	1070.60		29.5
		47.00	557.90	1079.90		29.5
		48.00	568.30	1090.30		29.5
		49.00	568.30	1090.30		29.5
		50.00	571.80	1093.80		29.5
		51.00	578.70	1100.70		29.5
		52.00	583.30	1105.30		29.5
		53.00	591.40	1113.40		29.5
		54.00	598.40	1120.40		29.5
		55.00	610.00	1132.00		29.5
		56.00	620.40	1142.40		29.5
		57.00	631.90	1153.90		29.5
F	End of 2nd Flow	58.00	640.10	1162.10		29.5
		1.00	1204.80	2366.90	63.0000	29.4
		2.00	1437.50	2599.60	32.0000	29.4
		3.00	1523.10	2685.20	21.6667	29.4
		4.00	1564.80	2726.90	16.5000	29.4
		5.00	1586.80	2748.90	13.4000	29.5
		6.00	1597.20	2759.30	11.3333	29.5
		7.00	1605.30	2767.40	9.8571	29.5
		8.00	1611.10	2773.20	8.7500	29.4
		9.00	1616.90	2779.00	7.8889	29.4
		10.00	1619.20	2781.30	7.2000	29.5
		11.00	1622.70	2784.80	6.6364	29.5
		12.00	1625.00	2787.10	6.1667	29.5
		13.00	1626.10	2788.20	5.7692	29.4
		14.00	1627.30	2789.40	5.4286	29.5
		15.00	1628.40	2790.50	5.1333	29.5
		16.00	1629.60	2791.70	4.8750	29.4
		17.00	1630.80	2792.90	4.6471	29.5
		18.00	1633.10	2795.20	4.4444	29.5
		19.00	1631.60	2793.70	4.2632	29.5
		20.00	1632.80	2794.90	4.1000	29.5
		21.00	1632.80	2794.90	3.9524	29.5
		22.00	1633.90	2796.00	3.8182	29.5
		23.00	1633.90	2796.00	3.6957	29.5
		24.00	1633.90	2796.00	3.5833	29.5
		25.00	1633.90	2796.00	3.4800	29.5
		26.00	1635.10	2797.20	3.3846	29.5

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1246 DST#: 3
Test Date: 01/17/2002 1900hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		27.00	1635.10	2797.20	3.2963	29.5
		28.00	1635.10	2797.20	3.2143	29.5
		29.00	1635.10	2797.20	3.1379	29.5
		30.00	1635.10	2797.20	3.0667	29.5
		31.00	1635.10	2797.20	3.0000	29.5
		32.00	1635.10	2797.20	2.9375	29.5
		33.00	1636.30	2798.40	2.8788	29.5
		34.00	1636.30	2798.40	2.8235	29.5
		35.00	1636.30	2798.40	2.7714	29.5
		36.00	1636.30	2798.40	2.7222	29.5
		37.00	1636.30	2798.40	2.6757	29.5
		38.00	1636.30	2798.40	2.6316	29.5
		39.00	1636.30	2798.40	2.5897	29.5
		40.00	1636.30	2798.40	2.5500	29.5
		41.00	1636.30	2798.40	2.5122	29.5
		42.00	1636.30	2798.40	2.4762	29.5
		43.00	1636.30	2798.40	2.4419	29.5
		44.00	1636.30	2798.40	2.4091	29.5
		45.00	1636.30	2798.40	2.3778	29.5
		46.00	1636.30	2798.40	2.3478	29.5
		47.00	1635.10	2797.20	2.3191	29.5
		48.00	1635.10	2797.20	2.2917	29.5
		49.00	1635.10	2797.20	2.2653	29.6
		50.00	1635.10	2797.20	2.2400	29.5
		51.00	1635.10	2797.20	2.2157	29.5
		52.00	1635.10	2797.20	2.1923	29.5
		53.00	1637.40	2799.50	2.1698	29.5
		54.00	1637.40	2799.50	2.1481	29.5
		55.00	1637.40	2799.50	2.1273	29.5
		56.00	1637.40	2799.50	2.1071	29.5
		57.00	1637.40	2799.50	2.0877	29.5
		58.00	1637.40	2799.50	2.0690	29.5
		59.00	1637.40	2799.50	2.0508	29.6
		60.00	1637.40	2799.50	2.0333	29.5
		61.00	1637.40	2799.50	2.0164	29.6
		62.00	1637.40	2799.50	2.0000	29.5
		63.00	1637.40	2799.50	1.9841	29.5
		64.00	1637.40	2799.50	1.9688	29.6
		65.00	1637.40	2799.50	1.9538	29.5
		66.00	1637.40	2799.50	1.9394	29.6
		67.00	1637.40	2799.50	1.9254	29.6
		68.00	1637.40	2799.50	1.9118	29.5
		69.00	1637.40	2799.50	1.8986	29.6
		70.00	1637.40	2799.50	1.8857	29.5
		71.00	1637.40	2799.50	1.8732	29.5
		72.00	1637.40	2799.50	1.8611	29.6
		73.00	1637.40	2799.50	1.8493	29.6
		74.00	1637.40	2799.50	1.8378	29.6
		75.00	1637.40	2799.50	1.8267	29.6
		76.00	1637.40	2799.50	1.8158	29.6
		77.00	1637.40	2799.50	1.8052	29.5
		78.00	1637.40	2799.50	1.7949	29.5
		79.00	1637.40	2799.50	1.7848	29.5
		80.00	1637.40	2799.50	1.7750	29.5
		81.00	1637.40	2799.50	1.7654	29.5
		82.00	1637.40	2799.50	1.7561	29.5
		83.00	1637.40	2799.50	1.7470	29.5
		84.00	1637.40	2799.50	1.7381	29.5
		85.00	1637.40	2799.50	1.7294	29.6
		86.00	1637.40	2799.50	1.7209	29.5
		87.00	1637.40	2799.50	1.7126	29.6
		88.00	1637.40	2799.50	1.7045	29.6
		89.00	1637.40	2799.50	1.6966	29.6
		90.00	1637.40	2799.50	1.6889	29.5
		91.00	1637.40	2799.50	1.6813	29.5
		92.00	1637.40	2799.50	1.6739	29.5
		93.00	1637.40	2799.50	1.6667	29.5
		94.00	1637.40	2799.50	1.6596	29.5
		95.00	1637.40	2799.50	1.6526	29.6
		96.00	1638.60	2800.70	1.6458	29.5
		97.00	1638.60	2800.70	1.6392	29.6
		98.00	1638.60	2800.70	1.6327	29.5
		99.00	1638.60	2800.70	1.6263	29.5
		100.00	1638.60	2800.70	1.6200	29.6

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

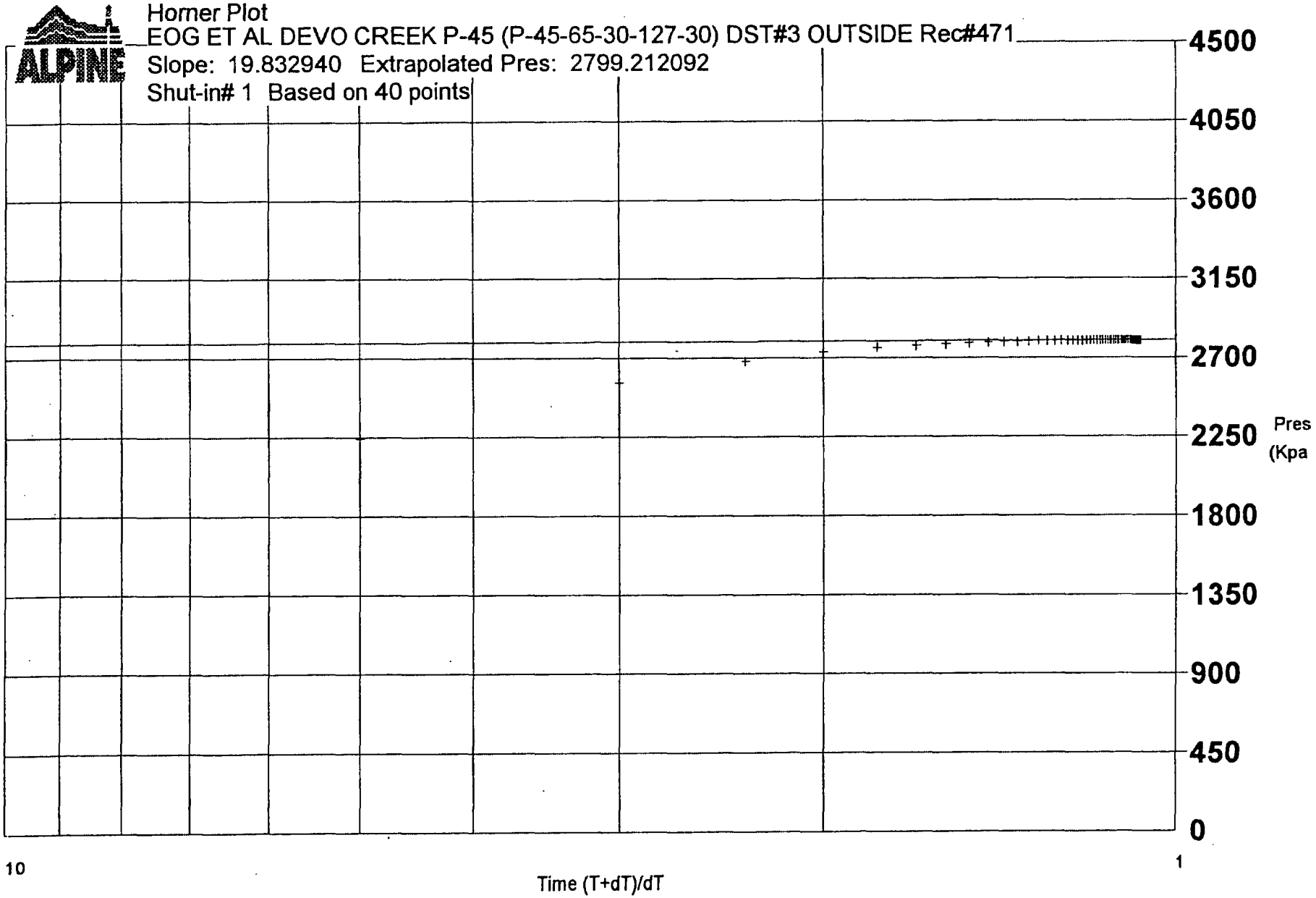
Contact: KEN RAE

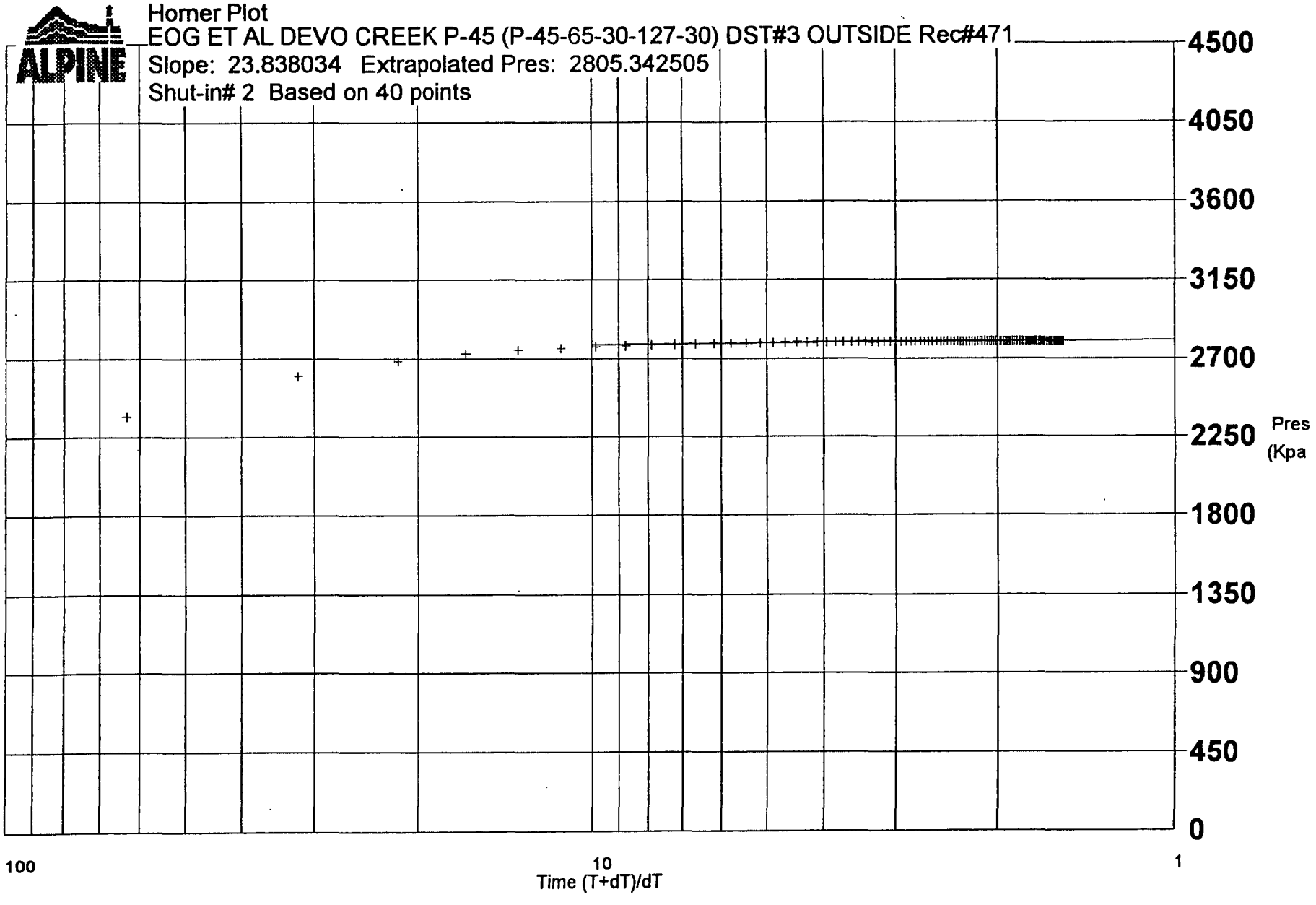
Job Ticket #: D3-1246 DST#: 3
Test Date: 01/17/2002 1900hrs

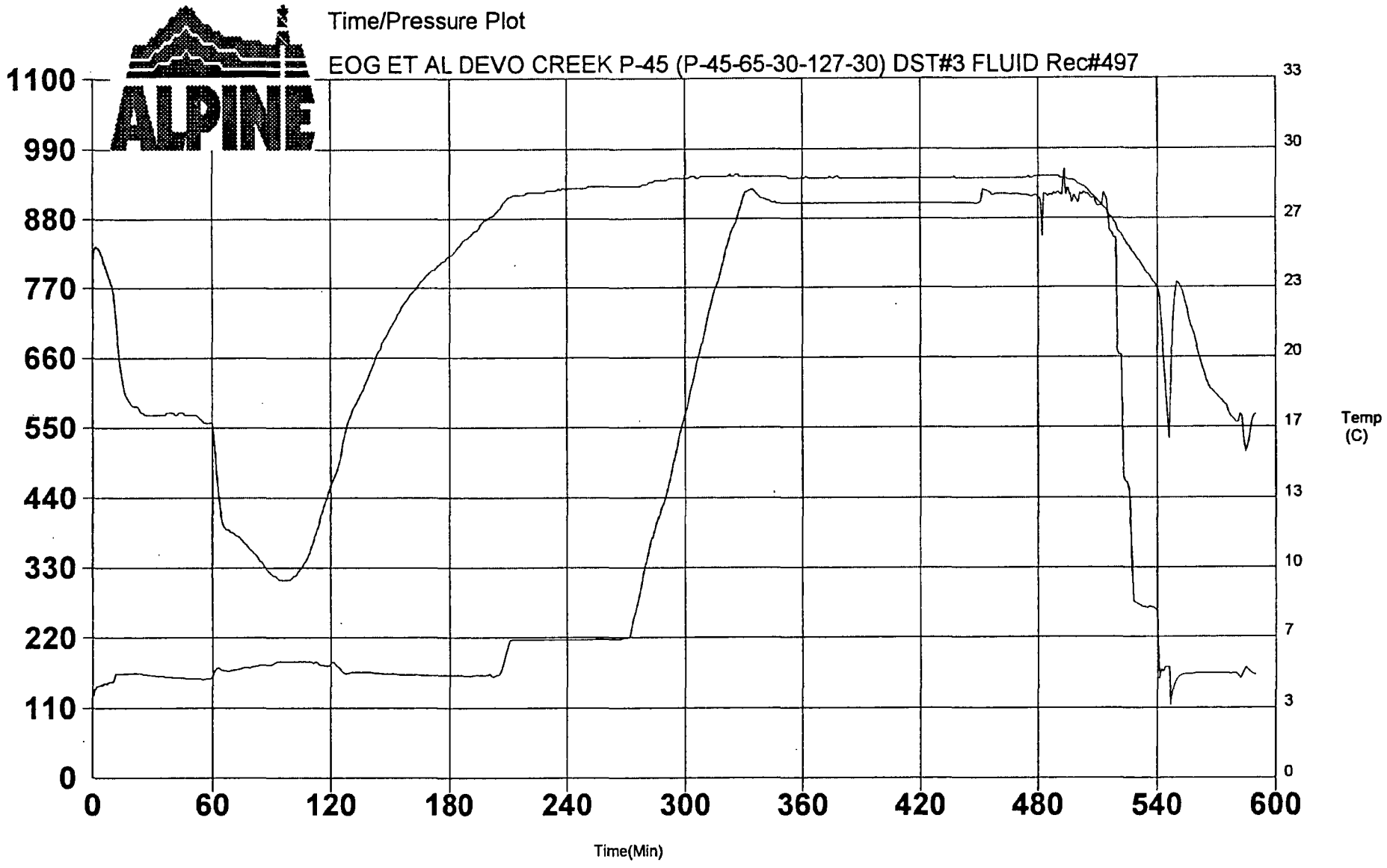
Well Name: EOG ET AL DEVO CREEK P-45

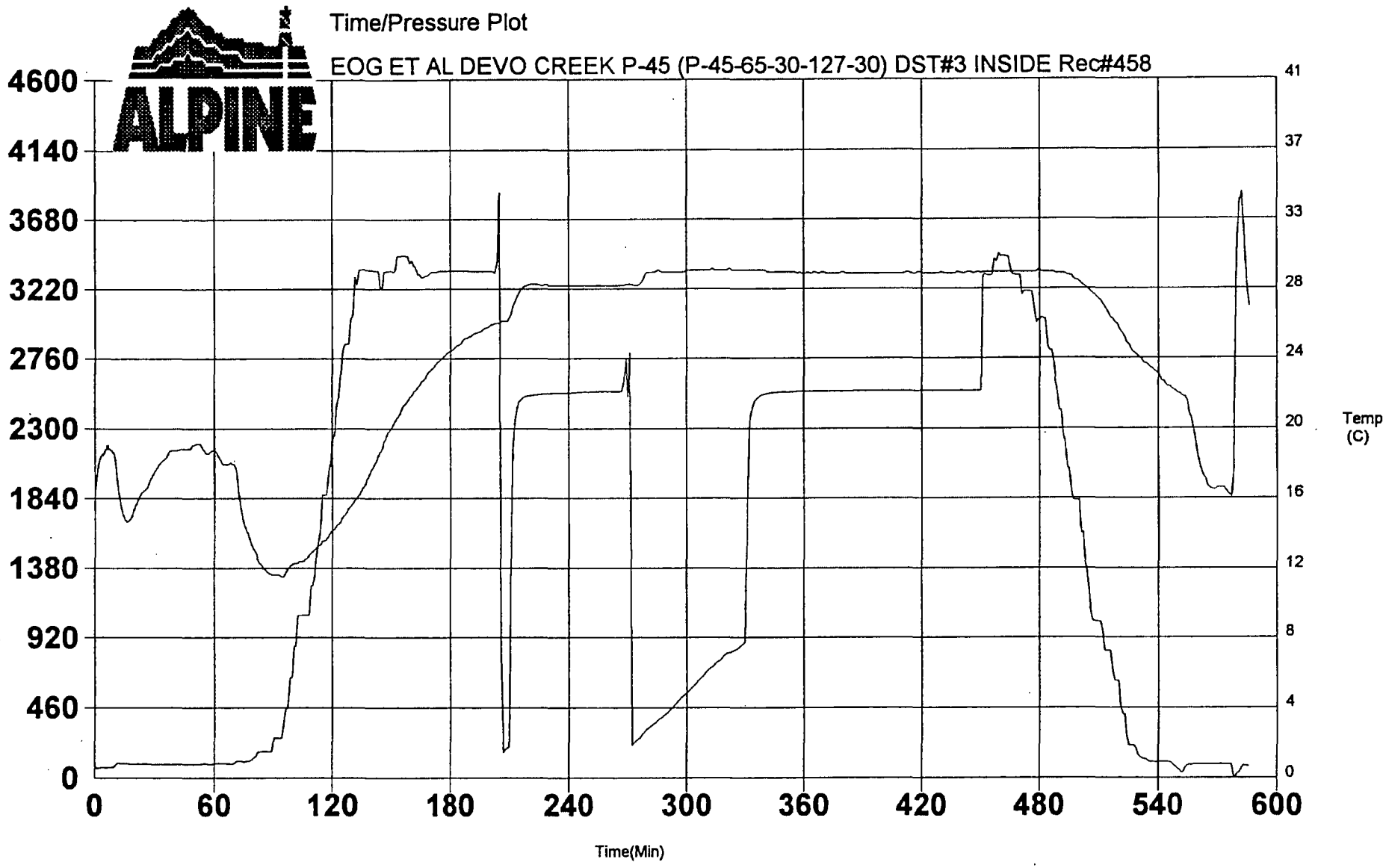
Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		101.00	1638.60	2800.70	1.6139	29.6
		102.00	1638.60	2800.70	1.6078	29.6
		103.00	1638.60	2800.70	1.6019	29.6
		104.00	1638.60	2800.70	1.5962	29.6
		105.00	1638.60	2800.70	1.5905	29.6
		106.00	1638.60	2800.70	1.5849	29.5
		107.00	1638.60	2800.70	1.5794	29.6
		108.00	1638.60	2800.70	1.5741	29.6
		109.00	1638.60	2800.70	1.5688	29.6
		110.00	1638.60	2800.70	1.5636	29.6
		111.00	1638.60	2800.70	1.5586	29.6
		112.00	1638.60	2800.70	1.5536	29.6
		113.00	1638.60	2800.70	1.5487	29.6
G	End of 2nd Shutin	114.00	1638.60	2800.70	1.5439	29.5
Q	Final Hydrostatic	0.00	0.00	3575.30		29.6


Horner Plot
EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#3 OUTSIDE Rec#471
Slope: 19.832940 Extrapolated Pres: 2799.212092
Shut-in# 1 Based on 40 points
4500
4050
3600
3150
2700
2250
1800
1350
900
450
0
Pres (Kpa
10
1
Time (T+dT)/dT


Horner Plot
EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#3 OUTSIDE Rec#471
Slope: 23.838034 Extrapolated Pres: 2805.342505
Shut-in# 2 Based on 40 points
4500
4050
3600
3150
2700
2250
1800
1350
900
450
0
Pres
(Kpa
100
10
1
Time (T+dT)/dT

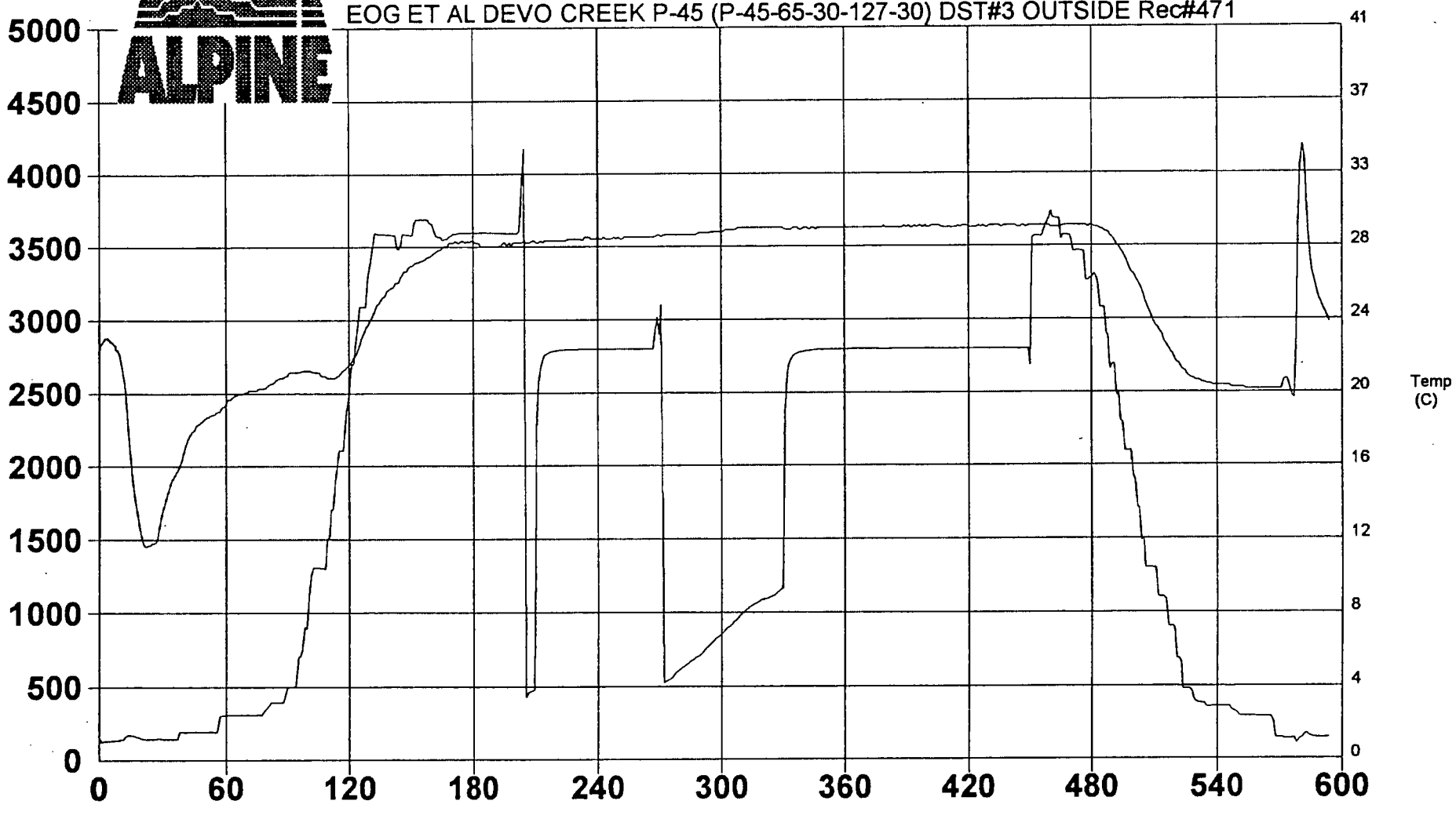

ALPINE
Time/Pressure Plot
EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#3 FLUID Rec#497
1100
990
880
770
660
550
440
330
220
110
0
33
30
27
23
20
17
13
10
7
3
0
Temp (C)
0
60
120
180
240
300
360
420
480
540
600
Time(Min)
A Initial Hydrostatic - 161
B Start of 1st Flow - 162
C End of 1st Flow - 214
D End of 1st Shutin - 218
E Start of 2nd Flow - 221
F End of 2nd Flow - 913
G End of 2nd Shutin - 904
Q Final Hydrostatic - 919


ALPINE
Time/Pressure Plot
EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#3 INSIDE Rec#458
4600
4140
3680
3220
2760
2300
1840
1380
920
460
0
41
37
33
28
24
20
16
12
8
4
0
Temp (C)
0
60
120
180
240
300
360
420
480
540
600
Time(Min)
A Initial Hydrostatic - 3338
B Start of 1st Flow - 164
C End of 1st Flow - 203
D End of 1st Shutin - 2541
E Start of 2nd Flow - 213
F End of 2nd Flow - 888
G End of 2nd Shutin - 2545
Q Final Hydrostatic - 3307

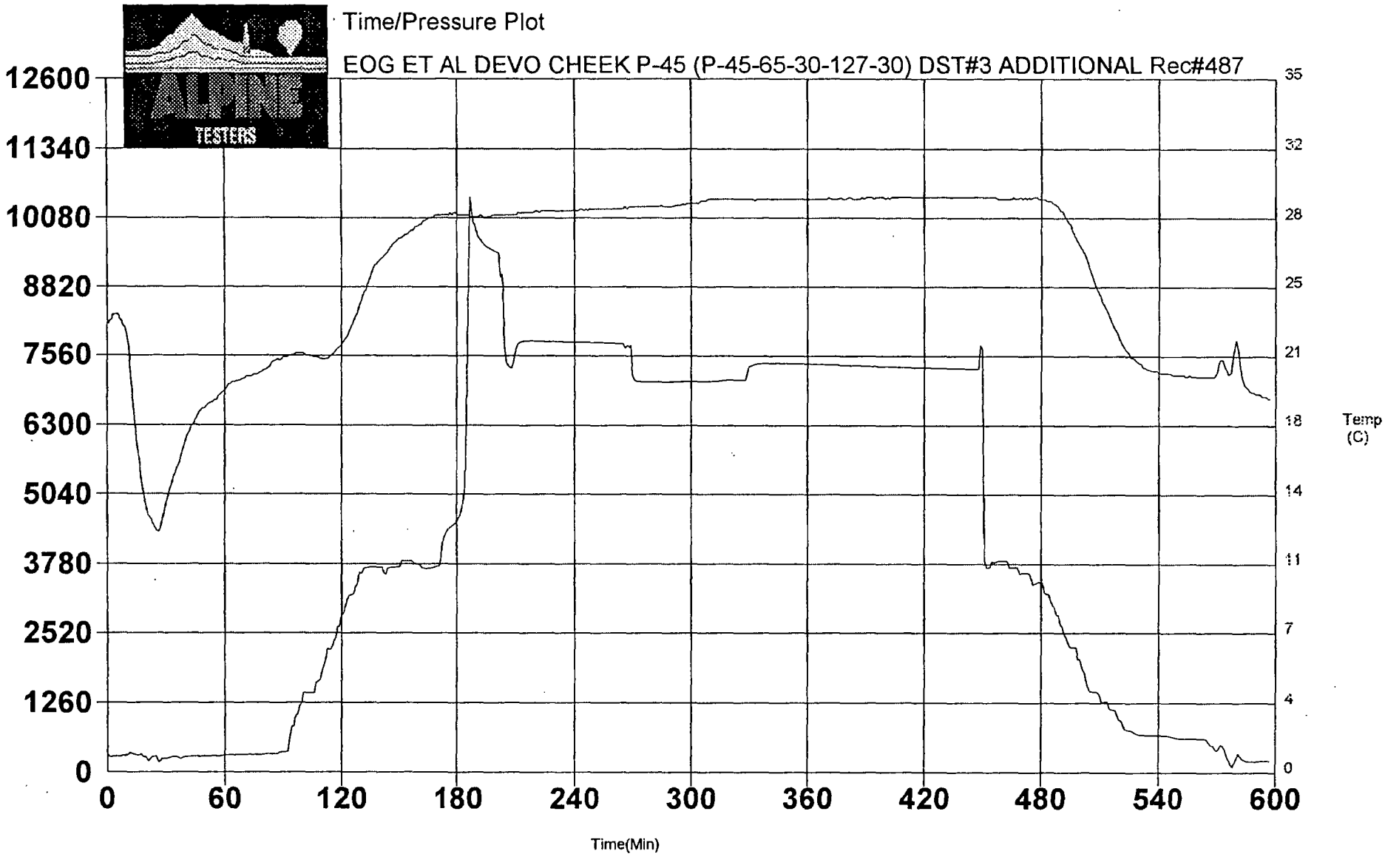
ALPINE

Time/Pressure Plot

EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#3 OUTSIDE Rec#471



A Initial Hydrostatic - 3590
B Start of 1st Flow - 428
C End of 1st Flow - 477
D End of 1st Shutin - 2798
E Start of 2nd Flow - 522
F End of 2nd Flow - 1162
G End of 2nd Shutin - 2801
Q Final Hydrostatic - 3575


Time/Pressure Plot
EOG ET AL DEVO CHEEK P-45 (P-45-65-30-127-30) DST#3 ADDITIONAL Rec#487
ALPINE
TESTERS
12600
11340
10080
8820
7560
6300
5040
3780
2520
1260
0
35
32
28
25
21
18
14
11
7
4
0
Temp (C)
0
60
120
180
240
300
360
420
480
540
600
Time(Min)

Drill Stem Testing Report

Company:

Job Ticket #: D3-1246 DST#: 3

Test Date: 01/17/2002

Well Name: EOG ET AL DEVO CHEEK P-45

Contact: KEN RAE

Location: P-45-65-30-127-30

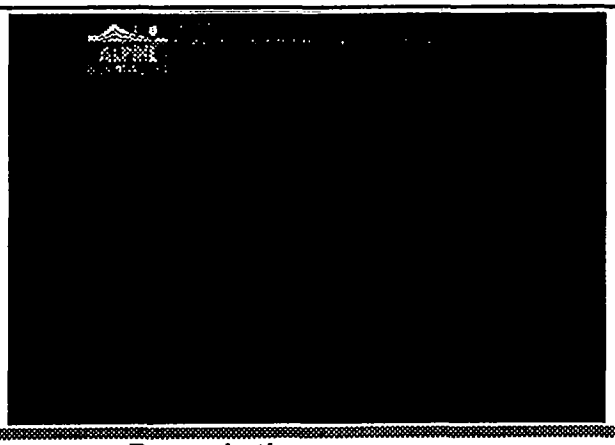
General Information:

Test Type:	INFLATE STRADDLE	Tester:	A SCARIONE
Interval:	320.00m - 333.00m	Truck No.:	□Ÿ□
Formation:	HUME	Contractor:	AKITA DRILLING
KB Elevation:	160.30m	Rig No.:	51
Ground Elevation:	154.10m	Hole Diameter:	311mm
Total Depth:	518.50m	Hole Condition:	GOOD
Test Mode:	Fluid	Bottom Hole Temperature:	29.00 C

Electronic Recorder Information:

OUTSIDE		FLUID	
Recorder #:	471	Recorder #:	497
Range:	70000 kPag	Range:	70000 kPag
Depth:	322.00 m	Depth:	295.00 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	3589.9
B Start of 1st Flow	0.00	428.2
C End of 1st Flow	4.00	476.9
D End of 1st Shutin	57.00	2798.4
E Start of 2nd Flow	0.00	522.0
F End of 2nd Flow	58.00	1162.1
G End of 2nd Shutin	114.00	2800.7
Q Final Hydrostatic	0.00	3575.3



Test Run Information:

Start Time:	
Reached Test Depth:	
Pull Out Time:	
Tool Out Of Hole:	
Weight set on Packers:	6000.00daN
Weight to free Packers:	23000.00daN
Initial String Weight:	23000.00daN
Unseated String Weight:	23000.00daN

Tool Chased Dist:	0.00m	Water Loss:	7.50cm³
Mud Type:	GEL CHEMICAL	Mud Drop:	NO
Mud Weight:	1085.00kg/m³	VIS:	61.00S/L
Amount of fill:	0.00m	Filter Cake:	1.00mm
Amt of cushion:	0.00	Pump Time:	30min
Type of cushion:	N/A	Reversed Out:	NO

General Remarks:

PREFLOW: Weak air b;pw increasing to fair in 1 minute. Remaining fair throughout remainder of flow.

FINAL FLOW: Weak air blow increasing slightly throughout.

Recovery Description:

Total fluid recovery was 63 meters drilling fluid.

No gas to surface.

Gas Bomb: 0 Sampler: 2

Fluid Sample: 5 Sent to: CORE LAB

Drill Stem Testing - Tool Diagram / Description

Company:

Job Ticket #: D3-1246 DST#: 3
Test Date: 01/17/2002 0hrs

Well Name: EOG ET AL DEVO CHEEK P-45

Contact: KEN RAE

Location: P-45-65-30-127-30

Inflate Straddle

Drill Collar Stands:	4
Drill Collar Singles:	1
Drill Pipe Stands:	12
Drill Pipe Singles:	0
Heavy Wt. Pipe Stands:	0
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	329.62m
Total Drill Pipe Above K.B.:	10.15m
Total Depth:	519m

Tool / Drill Stem Information:

Tool Weight:	6000.00	daN
Drill Collar Inside Diameter:	59.00	mm
Drill Collar Length:	83.96	m
Drill Pipe Inside Diameter:	97.00	mm
Drill Pipe Length:	220.48	m
Heavy Weight Pipe Diameter:	0.00	mm
Heavy Weight Pipe Length:	0.00	m
Bottom Choke Diameter:	12.72	mm
Number of Packers: 2 Dia.:	280.00	mm

Tool Remarks:



	Item	Length
	P.O. Sub	0.30
	C.O. Sub	0.31
	P.O. Sub	0.31
497	Fluid REC	1.82
297.56	HMV Stroke	2.39
	Sampler	1.13
	Sampler	1.13
458	Inside REC	1.44
303.65	Blank Spacing	5.40
	Jars	1.82
	Safety Joint	0.72
	Pump	2.10
43.83m	Screen	1.45
	Valve	2.23
	Deflate	0.85
	Packer	1.78
	T.C.	0.72
471	Flow Sub	0.60
322.42	K-3 Carrier	1.10
	C.O. Sub	0.21
	Drill Collar	9.18
	C.O. Sub	0.31
	Bypass Receiver	0.78
	Stubb	0.72
	Packer	1.78
	Blank Off Sub	0.72
	Drag Spring	2.08
	Bullnose	0.45

25.18m

221.01

Depth: 320.0m

13.62m

Depth: 333.0m

5.03m

Total Depth: 518.50m

Drilling Drill Stem Test

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128

Tel1: 011 8816 314 21

I: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/01/18 (YEAR MONTH DAY)
SURFACE LOC: P-45 65Ý30' LA 127Ý30'LO	AFE No.: D01E2660	DST #: 4
INTERVAL: 320 - 327	FORMATION: HUME	TESTING CO.: WEATHERFORD

TYPE OF TEST:	KB:	GRD:	TOTAL DEPTH OF WELL:
INFLATE STRADDLE	160.30	154.10	2600.00 mKB

HOLE SIZE (Normal Caliper):	PACKER SIZE (OD):	BOTTOM HOLE CHOKE:
311 m	280	12.72

FLUID CUSHION:
TYPE 0 LENGTH

D.C. LENGTH:	I.D.:	D.C. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:
73.93 m	59 m	m	mm	229.58 m	97 mm	m	mm

STICK-UP ABOVE FLOOR:	TOOL LENGTH ABOVE PACKER:	WEIGHT TO PULL PACKERS LOOSE:
2.69 m	18.65 m	40000 daN

MUD TYPE:	DENSITY:	VIS.:	W.L.:	PH.:	CL:
GEL CHEM	1080 kg/m3	64 s/l	7.8	9	750

TIME AND PRESSURE

*NOTE: COMPARE TWO RECORDERS, REPORT

RECORDER No.:	DEPTH:	
471	322	☐ INSIDE ☑ OUTSIDE

TOOL OPENED — DATE (y-m-d): 2002/01/18 — TIME

		INITIAL	FINAL
PF:	180 min	422.5 kPa	2227 kPa
INITIAL SHUT-IN:	44 min	kPa	2809 kPa
FLOW:	min	kPa	kPa
FSI SI:	min	kPa	kPa

IHP:	FHP:	BHT:
3595.7 kP	3501.2 kPa	29 °C

GAS FLOW READINGS

MEASURING DEVICE

TIME	ORIFICE mm	PRESSURE kPa	RATE m3/d

BLOW DESCRIPTION AND RECOVERY

PREFLOW

DEPTH OF BUBBLE HOSE: 30 cm — GAS TO SURFACE: NGTS min.

DESCRIPTION: WEAK AIR BLOW INCREASING TO 30CM IN PAIL IN 5MINUTES. PREFLOW FOR 180MINUTES

2ND FLOW

DEPTH OF BUBBLE HOSE: cm — GAS TO SURFACE: min.

DESCRIPTION:

RECOVERY DATA

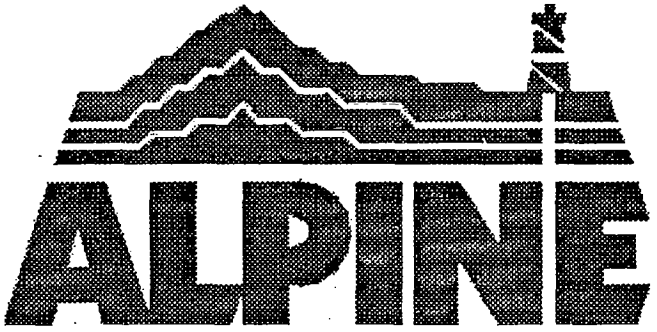
TOTAL RECOVERY: 110 m — REVERSE CIRCULATED ☐ YES ☑ NO

CONSISTING OF: — SALINITY OR API GRAVITY

m of cushion	
20 m of DRILLING FLUID	
90 m of WATERY MUD	10,000 mg/l
m of	
m of	

SAMPLES	SAMPLE	SHIPPED TO	SHIPPED BY	SAMPLES SHIPPED
FLUID	5	CORE LAB		
GAS BOMBS				
B.H.SAMPLER	1	CORE LAB		

REMARKS:



Drill Stem Test Report

Prepared for: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Well Name: EOG ET AL DEVO CREEK P-45
Location: P-45-65-30-127-30

Test Date: **01/18/2002**

Job Ticket #: **D3-1247** DST#: **4**

Drill Stem Testing Report

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1247 DST#: 4
Test Date: 01/18/2002 830hrs

Well Name: EOG ET AL DEVO CREEK P-45
Location: P-45-65-30-127-30

General Information:

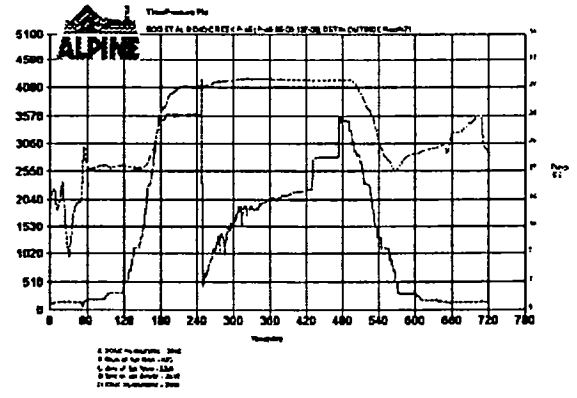
Test Type: INFLATE STRADDLE
Interval: 320.00m - 327.00m
Formation: HUME
KB Elevation: 160.30m
Ground Elevation: 154.10m
Total Depth: 518.50m
Test Mode: Gas

Tester: A. SCARIONE
Truck No.: □Ÿ□
Contractor: AKITA DRILLING
Rig No.: 51
Hole Diameter: 311mm
Hole Condition: GOOD
Bottom Hole Temperature: 28.10 C

Electronic Recorder Information:

OUTSIDE		INSIDE	
Recorder #:	471	Recorder #:	458
Range:	70000 kPag	Range:	70000 kPag
Depth:	322.42 m	Depth:	309.05 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	3601.9
B Start of 1st Flow	0.00	422.5
C End of 1st Flow	180.00	2226.9
D End of 1st Shutin	44.00	2809.9
Q Final Hydrostatic	0.00	3500.0



Test Run Information:

Start Time: 830hrs
Reached Test Depth: 945hrs
Pull Out Time: 1450hrs
Tool Out Of Hole: 1630hrs

Weight set on Packers: 10000.00daN
Weight to free Packers: 35000.00daN
Initial String Weight: 23000.00daN
Unseated String Weight: 24000.00daN

Tool Chased Dist: 0.00m
Mud Type: GEL CHEMICAL
Mud Weight: 1086.00kg/m³
Amount of fill: 0.00m
Amt of cushion: 0.00
Type of cushion:

Water Loss: 7.50cm³
Mud Drop: NO
VIS: 61.00S/L
Filter Cake: 0.00mm
Pump Time: 30min
Reversed Out: NO

General Remarks:

Mechanically successful. *Test results suggest moderate permeability within the zone tested.

PREFLOW: Weak air blow increasing to strong in 5 minutes. Remaining strong throughout remainder of flow.

Recovery Description:

Total fluid recovery was 110 meters, consisting of 20 meters drilling fluid and 90 meters watery mud.
Salinity = 9,020 PPM.

No gas to surface.

Gas Bomb: 0 Sampler: 1
Fluid Sample: 6 Sent to: CORE LAB

Drill Stem Testing - Tool Diagram / Description

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1247 DST#: 4
Test Date: 01/18/2002 830hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Inflate Straddle

Drill Collar Stands:	4
Drill Collar Singles:	0
Drill Pipe Stands:	12
Drill Pipe Singles:	1
Heavy Wt. Pipe Stands:	0
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	322.69m
Total Drill Pipe Above K.B.:	2.69m
Total Depth:	519m

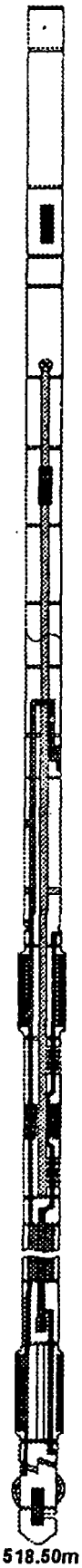
Tool / Drill Stem Information:

Tool Weight:	2000.00	daN
Drill Collar Inside Diameter:	59.00	mm
Drill Collar Length:	73.93	m
Drill Pipe Inside Diameter:	97.00	mm
Drill Pipe Length:	230.11	m
Heavy Weight Pipe Diameter:	0.00	mm
Heavy Weight Pipe Length:	0.00	m
Bottom Choke Diameter:	12.72	mm
Number of Packers: 2 Dia.:	280.00	mm

Tool Remarks:

NOTE -

Charts indicate plugging during flow.



18.65m

30.85m

Depth: 320.0m

7.17m

Depth: 327.0m

5.03m

Total Depth: 518.50m

Item	Length
P.O. Sub	0.30
C.O. Sub	0.31
P.O. Sub	0.31
REC#497	1.82
HMV Stroke	2.39
Sampler	1.13
REC#458	1.44
Jars	1.82
Safety Joint	0.72
Pump	2.10
Screen	1.45
Valve	2.23
Deflate	0.85
Packer	1.78
Stubb	0.72
Flow Sub	0.60
ASE Carrier	1.10
REC#471	
Blank Spacing	3.25
Bypass Receiver	0.78
Stubb	0.72
Packer	1.78
Blank Off Sub	0.72
Drag Spring	2.08
Bullnose	0.45

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1247 DST#: 4
Test Date: 01/18/2002 830hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
A	Initial Hydrostatic	0.00	0.00	3601.90		27.1
B	Start of 1st Flow	0.00	0.00	422.50		27.3
		1.00	57.80	480.30		27.3
		2.00	113.40	535.90		27.3
		3.00	150.40	572.90		27.4
		4.00	202.50	625.00		27.4
		5.00	228.00	650.50		27.4
		6.00	283.50	706.00		27.5
		7.00	197.90	620.40		27.5
		8.00	300.90	723.40		27.5
		9.00	325.20	747.70		27.5
		10.00	354.10	776.60		27.6
		11.00	422.40	844.90		27.5
		12.00	444.40	866.90		27.6
		13.00	438.60	861.10		27.6
		14.00	503.40	925.90		27.6
		15.00	531.20	953.70		27.7
		16.00	589.10	1011.60		27.7
		17.00	629.60	1052.10		27.7
		18.00	677.00	1099.50		27.8
		19.00	699.00	1121.50		27.8
		20.00	697.90	1120.40		27.8
		21.00	663.20	1085.70		27.8
		22.00	721.00	1143.50		27.8
		23.00	790.50	1213.00		27.9
		24.00	814.80	1237.30		27.9
		25.00	826.40	1248.90		27.9
		26.00	929.40	1351.90		27.9
		27.00	892.30	1314.80		27.9
		28.00	649.30	1071.80		28.0
		29.00	901.60	1324.10		28.0
		30.00	936.30	1358.80		28.0
		31.00	981.50	1404.00		28.0
		32.00	887.70	1310.20		28.0
		33.00	919.00	1341.50		28.0
		34.00	863.40	1285.90		28.0
		35.00	869.20	1291.70		28.1
		36.00	586.80	1009.30		28.0
		37.00	718.70	1141.20		28.0
		38.00	843.70	1266.20		28.1
		39.00	887.70	1310.20		28.1
		40.00	969.90	1392.40		28.1
		41.00	1031.20	1453.70		28.1
		42.00	1085.60	1508.10		28.1
		43.00	1086.80	1509.30		28.1
		44.00	1015.00	1437.50		28.1
		45.00	1059.00	1481.50		28.1
		46.00	1186.30	1608.80		28.1
		47.00	1147.00	1569.50		28.1
		48.00	1145.80	1568.30		28.1
		49.00	1114.60	1537.10		28.1
		50.00	1193.30	1615.80		28.1
		51.00	1225.70	1648.20		28.1
		52.00	1247.70	1670.20		28.1
		53.00	1164.30	1586.80		28.1
		54.00	1150.40	1572.90		28.2
		55.00	1344.90	1767.40		28.2
		56.00	1366.90	1789.40		28.2
		57.00	1390.00	1812.50		28.2
		58.00	1375.00	1797.50		28.2
		59.00	1474.50	1897.00		28.3
		60.00	1480.30	1902.80		28.2
		61.00	1429.40	1851.90		28.3
		62.00	1454.80	1877.30		28.3
		63.00	1498.80	1921.30		28.2
		64.00	1143.50	1566.00		28.2
		65.00	1283.50	1706.00		28.3
		66.00	1436.30	1858.80		28.3
		67.00	1446.70	1869.20		28.3
		68.00	1465.30	1887.80		28.2
		69.00	1516.20	1938.70		28.3
		70.00	1501.10	1923.60		28.3
		71.00	1457.20	1879.70		28.3
		72.00	1327.50	1750.00		28.3

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1247 DST#: 4
Test Date: 01/18/2002 830hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		73.00	1412.00	1834.50		28.3
		74.00	1419.00	1841.50		28.3
		75.00	1446.70	1869.20		28.3
		76.00	1453.70	1876.20		28.3
		77.00	1437.50	1860.00		28.3
		78.00	1479.10	1901.60		28.2
		79.00	1516.20	1938.70		28.3
		80.00	1488.40	1910.90		28.2
		81.00	1460.60	1883.10		28.3
		82.00	1422.40	1844.90		28.3
		83.00	1428.20	1850.70		28.3
		84.00	1417.80	1840.30		28.3
		85.00	1447.90	1870.40		28.3
		86.00	1434.00	1856.50		28.3
		87.00	1443.30	1865.80		28.3
		88.00	1459.50	1882.00		28.3
		89.00	1473.40	1895.90		28.3
		90.00	1435.20	1857.70		28.3
		91.00	1471.00	1893.50		28.3
		92.00	1489.60	1912.10		28.3
		93.00	1498.80	1921.30		28.3
		94.00	1527.80	1950.30		28.3
		95.00	1516.20	1938.70		28.3
		96.00	1553.20	1975.70		28.3
		97.00	1547.40	1969.90		28.3
		98.00	1575.20	1997.70		28.3
		99.00	1575.20	1997.70		28.3
		100.00	1570.60	1993.10		28.3
		101.00	1570.60	1993.10		28.3
		102.00	1576.40	1998.90		28.3
		103.00	1572.90	1995.40		28.3
		104.00	1599.50	2022.00		28.3
		105.00	1582.20	2004.70		28.3
		106.00	1611.10	2033.60		28.3
		107.00	1633.10	2055.60		28.3
		108.00	1621.50	2044.00		28.3
		109.00	1603.00	2025.50		28.3
		110.00	1579.80	2002.30		28.3
		111.00	1597.20	2019.70		28.3
		112.00	1597.20	2019.70		28.3
		113.00	1637.70	2060.20		28.3
		114.00	1655.10	2077.60		28.3
		115.00	1663.20	2085.70		28.2
		116.00	1649.30	2071.80		28.3
		117.00	1655.10	2077.60		28.2
		118.00	1642.30	2064.80		28.2
		119.00	1622.70	2045.20		28.2
		120.00	1599.50	2022.00		28.2
		121.00	1611.10	2033.60		28.3
		122.00	1625.00	2047.50		28.3
		123.00	1640.00	2062.50		28.3
		124.00	1651.60	2074.10		28.2
		125.00	1652.80	2075.30		28.2
		126.00	1649.30	2071.80		28.2
		127.00	1670.10	2092.60		28.2
		128.00	1681.70	2104.20		28.3
		129.00	1695.60	2118.10		28.2
		130.00	1693.30	2115.80		28.3
		131.00	1689.80	2112.30		28.2
		132.00	1672.40	2094.90		28.3
		133.00	1670.10	2092.60		28.2
		134.00	1685.20	2107.70		28.2
		135.00	1689.80	2112.30		28.2
		136.00	1699.10	2121.60		28.2
		137.00	1679.40	2101.90		28.2
		138.00	1680.50	2103.00		28.2
		139.00	1694.40	2116.90		28.2
		140.00	1701.40	2123.90		28.2
		141.00	1710.60	2133.10		28.2
		142.00	1708.30	2130.80		28.2
		143.00	1730.30	2152.80		28.2
		144.00	1725.70	2148.20		28.2
		145.00	1729.10	2151.60		28.2
		146.00	1739.60	2162.10		28.2

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-1247 DST#: 4
Test Date: 01/18/2002 830hrs

Well Name: EOG ET AL DEVO CREEK P-45

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)	Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		147.00	1743.00	2165.50		28.2			4.00	555.50	2782.40	46.0000	28.1
		148.00	1752.30	2174.80		28.2			5.00	563.60	2790.50	37.0000	28.1
		149.00	1752.30	2174.80		28.2			6.00	568.30	2795.20	31.0000	28.2
		150.00	1766.20	2188.70		28.2			7.00	570.60	2797.50	26.7143	28.1
		151.00	1761.60	2184.10		28.2			8.00	574.90	2801.80	23.5000	28.2
		152.00	1764.80	2187.30		28.2			9.00	576.10	2803.00	21.0000	28.2
		153.00	1764.80	2187.30		28.2			10.00	576.10	2803.00	19.0000	28.2
		154.00	1764.80	2187.30		28.2			11.00	578.40	2805.30	17.3636	28.1
		155.00	1764.80	2187.30		28.2			12.00	578.40	2805.30	16.0000	28.1
		156.00	1764.80	2187.30		28.2			13.00	578.40	2805.30	14.8462	28.1
		157.00	1766.20	2188.70		28.2			14.00	579.60	2806.50	13.8571	28.1
		158.00	1766.20	2188.70		28.2			15.00	579.60	2806.50	13.0000	28.1
		159.00	1768.50	2191.00		28.2			16.00	579.60	2806.50	12.2500	28.1
		160.00	1760.40	2182.90		28.2			17.00	581.90	2808.80	11.5882	28.1
		161.00	1762.70	2185.20		28.2			18.00	581.90	2808.80	11.0000	28.2
		162.00	1767.30	2189.80		28.2			19.00	581.90	2808.80	10.4737	28.1
		163.00	1770.80	2193.30		28.2			20.00	581.90	2808.80	10.0000	28.1
		164.00	1775.20	2197.70		28.2			21.00	581.90	2808.80	9.5714	28.1
		165.00	1775.20	2197.70		28.2			22.00	581.90	2808.80	9.1818	28.1
		166.00	1776.40	2198.90		28.2			23.00	581.90	2808.80	8.8261	28.2
		167.00	1774.30	2196.80		28.2			24.00	581.90	2808.80	8.5000	28.1
		168.00	1783.50	2206.00		28.2			25.00	581.90	2808.80	8.2000	28.1
		169.00	1788.20	2210.70		28.2			26.00	581.90	2808.80	7.9231	28.1
		170.00	1791.60	2214.10		28.2			27.00	581.90	2808.80	7.6667	28.1
		171.00	1788.20	2210.70		28.2			28.00	581.90	2808.80	7.4286	28.1
		172.00	1792.80	2215.30		28.2			29.00	581.90	2808.80	7.2069	28.1
		173.00	1796.30	2218.80		28.2			30.00	581.90	2808.80	7.0000	28.2
		174.00	1800.90	2223.40		28.1			31.00	581.90	2808.80	6.8065	28.2
		175.00	1804.40	2226.90		28.2			32.00	581.90	2808.80	6.6250	28.1
		176.00	1804.40	2226.90		28.2			33.00	581.90	2808.80	6.4545	28.1
		177.00	1809.00	2231.50		28.1			34.00	581.90	2808.80	6.2941	28.1
		178.00	1807.90	2230.40		28.1			35.00	581.90	2808.80	6.1429	28.1
		179.00	1800.90	2223.40		28.1			36.00	581.90	2808.80	6.0000	28.2
C	End of 1st Flow	180.00	1804.40	2226.90		28.1			37.00	581.90	2808.80	5.8649	28.1
		1.00	409.70	2636.60	181.0000	28.2			38.00	583.00	2809.90	5.7368	28.1
		2.00	523.10	2750.00	91.0000	28.1			39.00	583.00	2809.90	5.6154	28.2
		3.00	545.10	2772.00	61.0000	28.1			40.00	583.00	2809.90	5.5000	28.1

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

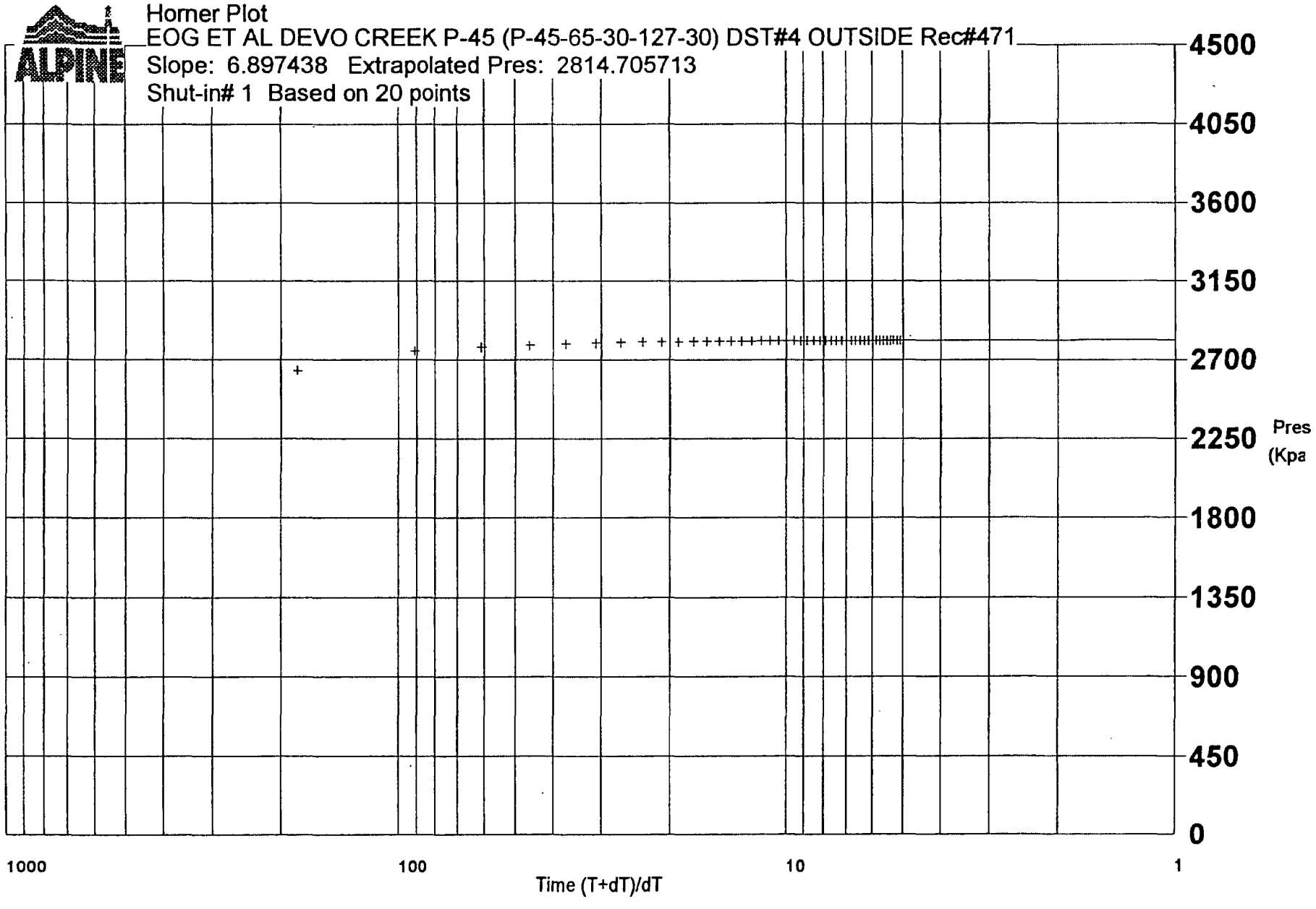
Contact: KEN RAE

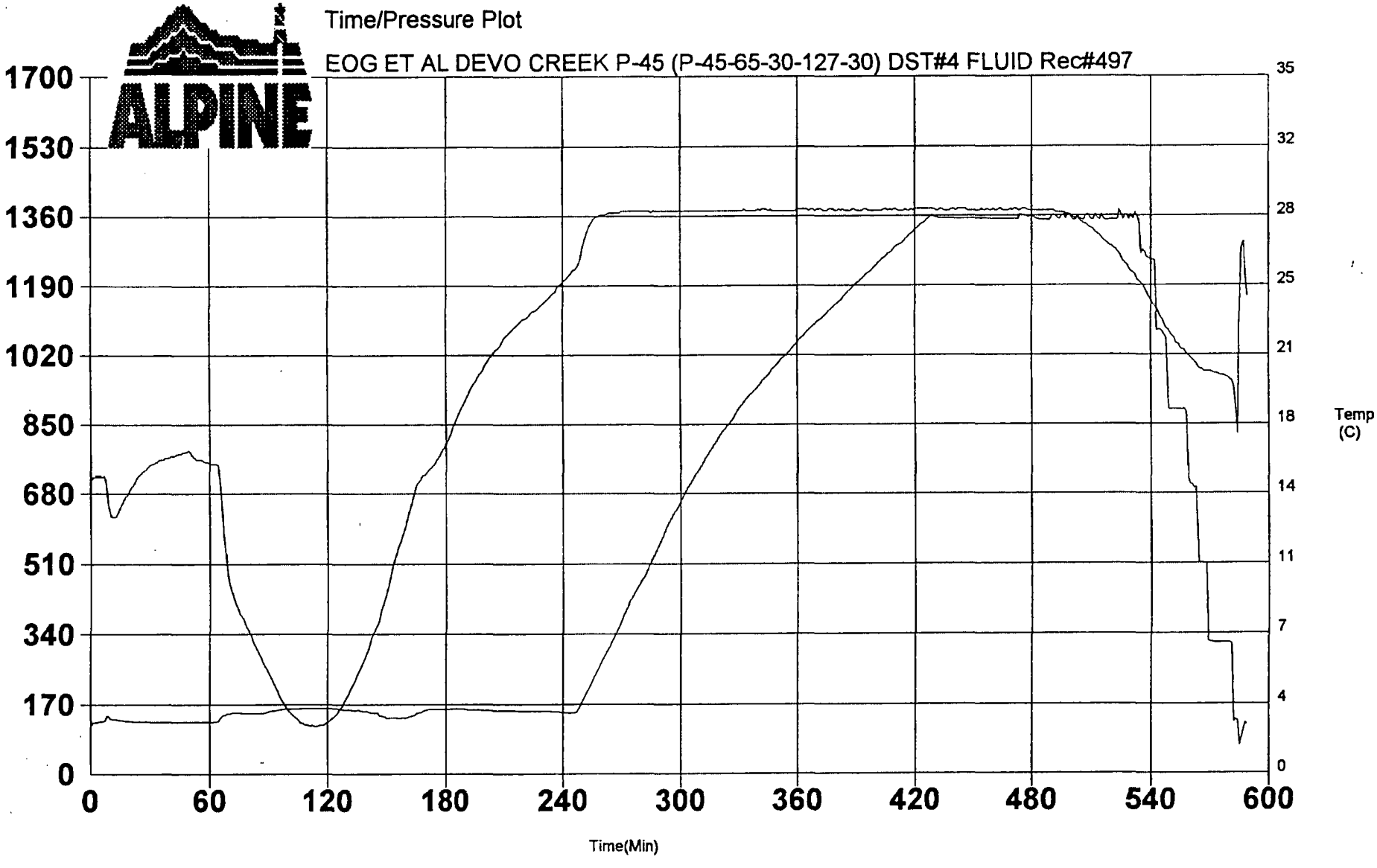
Job Ticket #: D3-1247 DST#: 4
Test Date: 01/18/2002 830hrs

Well Name: EOG ET AL DEVO CREEK P-45

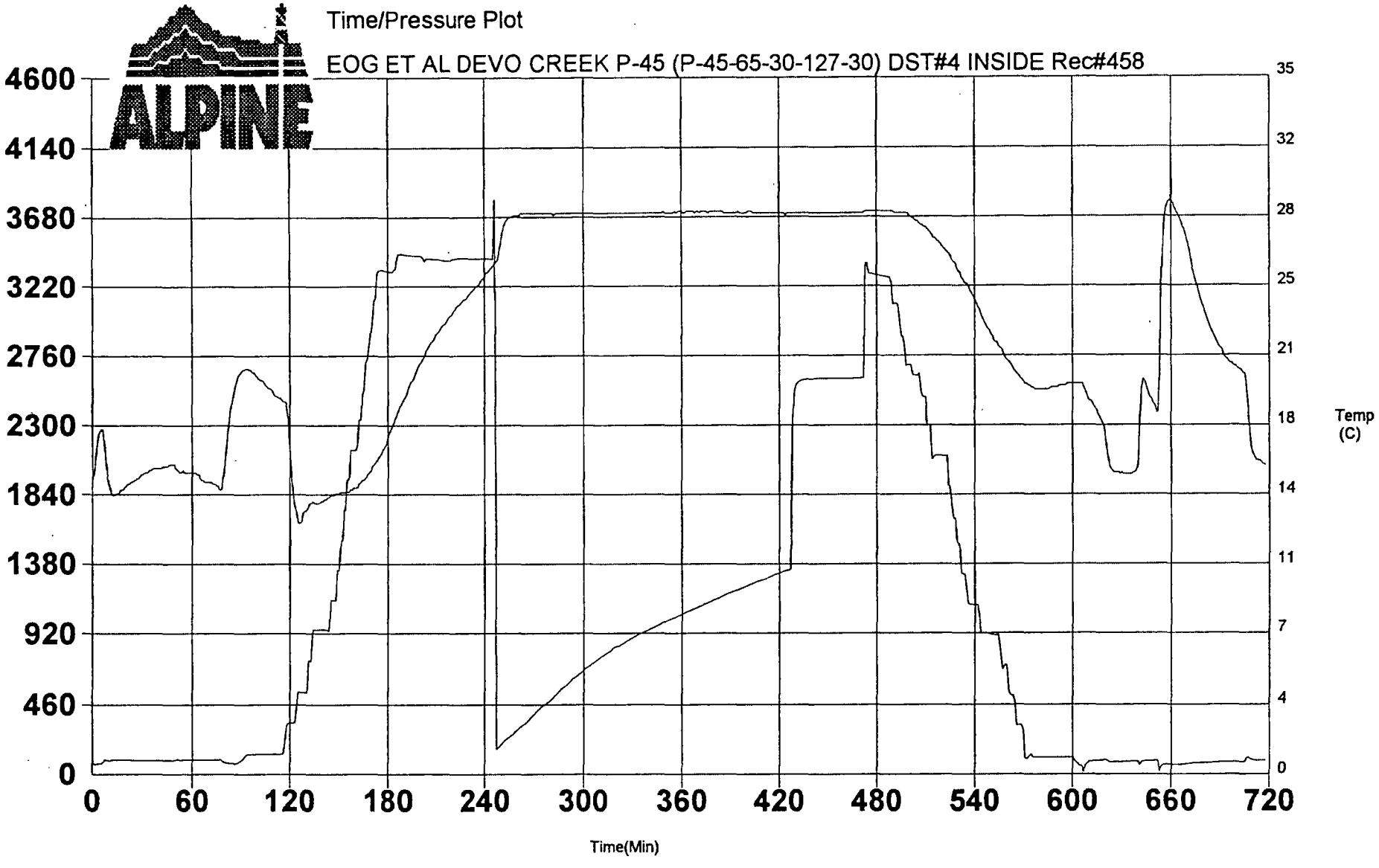
Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		41.00	581.90	2808.80	5.3902	28.1
		42.00	584.20	2811.10	5.2857	28.1
		43.00	583.00	2809.90	5.1860	28.1
D	End of 1st Shutin	44.00	583.00	2809.90	5.0909	28.1
Q	Final Hydrostatic	0.00	0.00	3500.00		28.1

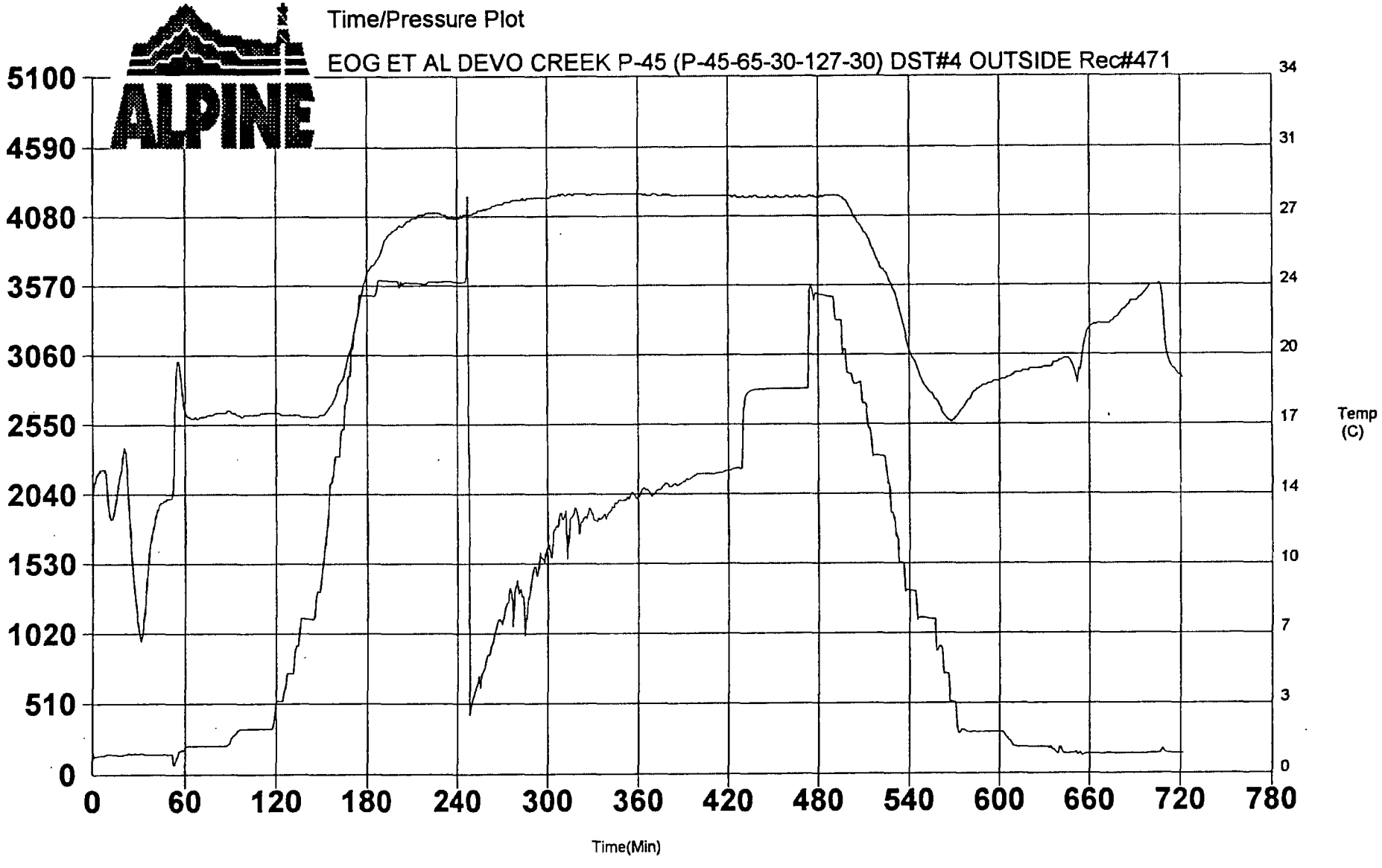

Horner Plot
EOG ET AL DEVO CREEK P-45 (P-45-65-30-127-30) DST#4 OUTSIDE Rec#471
Slope: 6.897438 Extrapolated Pres: 2814.705713
Shut-in# 1 Based on 20 points
4500
4050
3600
3150
2700
2250
1800
1350
900
450
0
Pres
(Kpa
1000
100
10
1
Time (T+dT)/dT



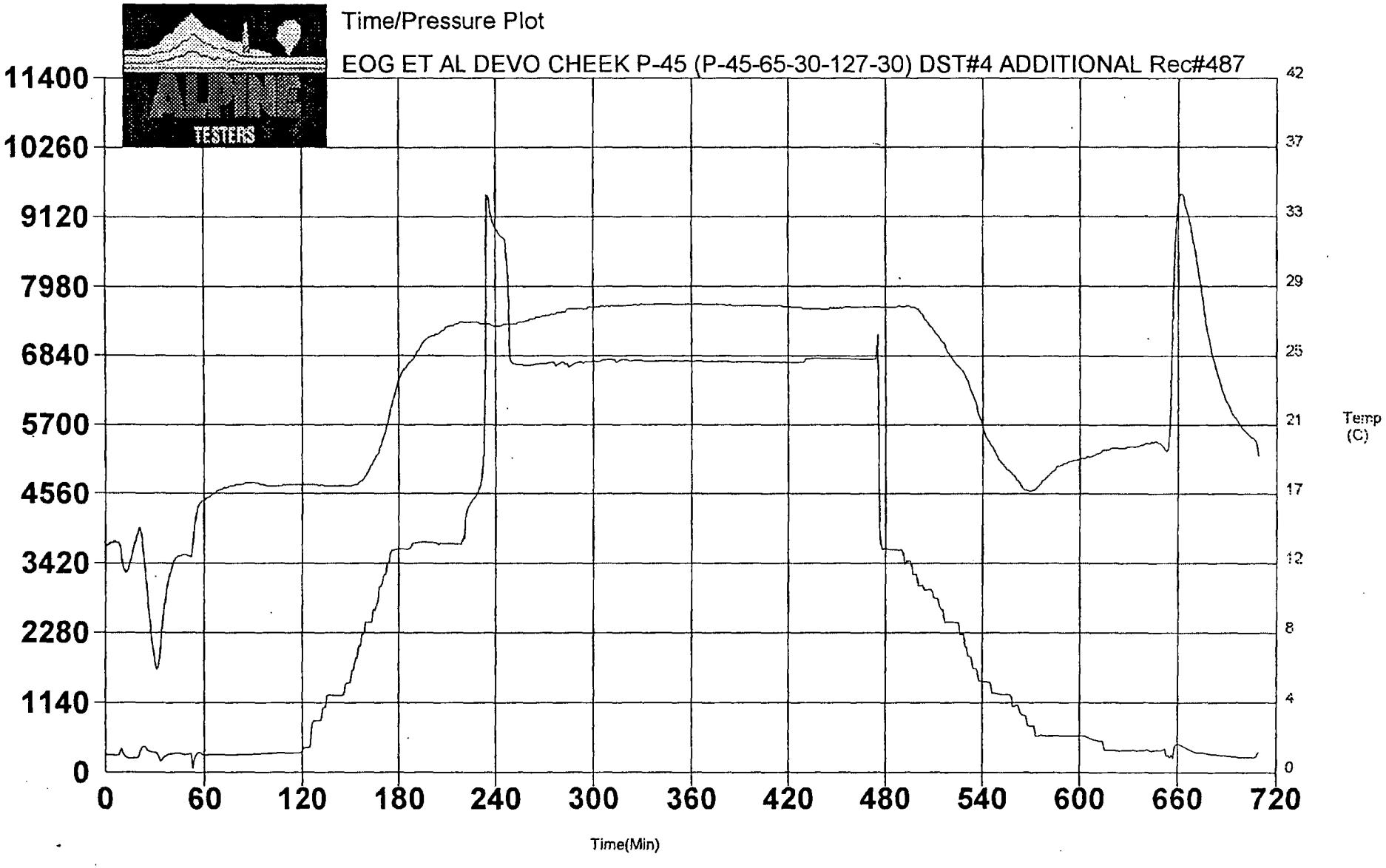
A Initial Hydrostatic - 150
B Start of 1st Flow - 150
C End of 1st Flow - 1362
D End of 1st Shutin - 1351
Q Final Hydrostatic - 1360



A Initial Hydrostatic - 3406
B Start of 1st Flow - 166
C End of 1st Flow - 1345
D End of 1st Shutin - 2609
Q Final Hydrostatic - 3287



A Initial Hydrostatic - 3602
B Start of 1st Flow - 423
C End of 1st Flow - 2227
D End of 1st Shutin - 2810
Q Final Hydrostatic - 3500


Time/Pressure Plot
EOG ET AL DEVO CHEEK P-45 (P-45-65-30-127-30) DST#4 ADDITIONAL Rec#487
ALPINE
TESTERS
11400
10260
9120
7980
6840
5700
4560
3420
2280
1140
0
42
37
33
29
25
21
17
12
8
4
0
Temp (C)
0
60
120
180
240
300
360
420
480
540
600
660
720
Time(Min)

Drill Stem Testing Report

Company:

Job Ticket #: D3-1247a DST#: 4

Test Date: 01/18/2002 830hrs

Well Name: EOG ET AL DEVO CHEEK P-45

Contact: KEN RAE

Location: P-45-65-30-127-30

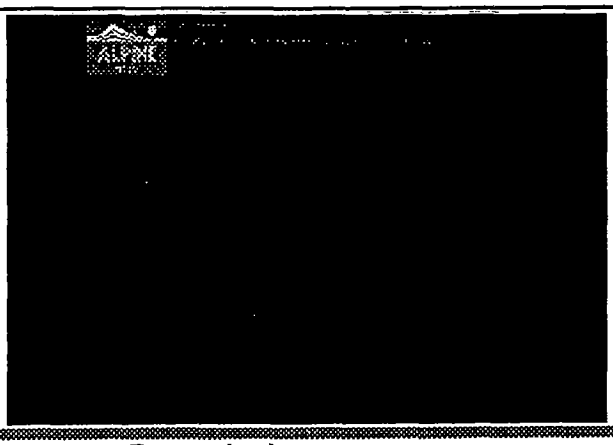
General Information:

Test Type:	INFLATE STRADDLE	Tester:	A SCARIONE
Interval:	320.00m - 327.00m	Truck No.:	□Ÿ□
Formation:	HUME	Contractor:	AKITA DRILLING
KB Elevation:	160.30m	Rig No.:	51
Ground Elevation:	154.10m	Hole Diameter:	311mm
Total Depth:	518.50m	Hole Condition:	GOOD
Test Mode:	Fluid	Bottom Hole Temperature:	29.00 C

Electronic Recorder Information:

OUTSIDE		FLUID	
Recorder #:	471	Recorder #:	497
Range:	10000 kPag	Range:	10000 kPag
Depth:	322.00 m	Depth:	311.00 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	3595.7
B Start of 1st Flow	0.00	422.5
C End of 1st Flow	180.00	2226.9
D End of 1st Shutin	44.00	2809.9
Q Final Hydrostatic	0.00	3501.2



Test Run Information:

Start Time:	830hrs
Reached Test Depth:	945hrs
Pull Out Time:	1450hrs
Tool Out Of Hole:	1630hrs
Weight set on Packers:	10000.00daN
Weight to free Packers:	35000.00daN
Initial String Weight:	23000.00daN
Unseated String Weight:	24000.00daN

Tool Chased Dist:	0.00m	Water Loss:	7.50cm³
Mud Type:	GEL CHEMICAL	Mud Drop:	NO
Mud Weight:	1085.00kg/m³	VIS:	61.00S/L
Amount of fill:	0.00m	Filter Cake:	1.00mm
Amt of cushion:	0.00	Pump Time:	30min
Type of cushion:	N/A	Reversed Out:	NO

General Remarks:

PREFLOW: Weak air blow increasing to strong in 5 minutes. Remaining strong throughout remainder of flow.

Recovery Description:

Total fluid recovery was 110 meters, consisting of 20 meters drilling fluid and 90 meters watery mud.
Salinity = 9,020 PPM.

No gas to surface.

Gas Bomb: 0 Sampler: 1

Fluid Sample: 6 Sent to: CORE LAB

Drill Stem Testing - Tool Diagram / Description

Company:

Job Ticket #: D3-1247a DST#: 4
Test Date: 01/18/2002 830hrs

Well Name: EOG ET AL DEVO CHEEK P-45

Contact: KEN RAE

Location: P-45-65-30-127-30

Inflate Straddle

Drill Collar Stands:	4
Drill Collar Singles:	0
Drill Pipe Stands:	12
Drill.Pipe Singles:	1
Heavy Wt. Pipe Stands:	0
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	322.16m
Total Drill Pipe Above K.B.:	2.69m
Total Depth:	519m

Tool / Drill Stem Information:

Tool Weight:	2000.00	daN
Drill Collar Inside Diameter:	59.00	mm
Drill Collar Length:	73.93	m
Drill Pipe Inside Diameter:	97.00	mm
Drill Pipe Length:	229.58	m
Heavy Weight Pipe Diameter:	0.00	mm
Heavy Weight Pipe Length:	0.00	m
Bottom Choke Diameter:	12.72	mm
Number of Packers: 2 Dia.:	280.00	mm

Tool Remarks:

Item	Length
P.O. Sub	0.30
C.O. Sub	0.31
P.O. Sub	0.31
Fluid REC	1.82
HMV Stroke	2.39
Sampler	1.13
Inside REC	1.44
Jars	1.82
Safety Joint	0.72
Pump	2.10
Screen	1.45
Valve	2.23
Deflate	0.85
Packer	1.78
T.C.	0.72
Flow Sub	0.60
K-3 Carrier	1.10
Blank Spacing	3.25
Bypass Receiver	0.78
Stubb	0.72
Packer	1.78
Blank Off Sub	0.72
Drag Spring	2.08
Bullnose	0.45

18.65m

230.11

30.85m

Depth: 320.0m

7.17m

Depth: 327.0m

5.03m

Total Depth: 518.50m

Drilling Drill Stem Test

EOG Resources Canada

Consultant : KEN RAE

Tel2: 128

Tel1: 011 8816 314 21

UWI: 300-P45-65-30-12-73-00	WELL: EOG et al DEVO CREEK P-45	DATE: 2002/03/10 (YEAR MONTH DAY)
SURFACE LOC: P-45 65Ý30' LA 127Ý30'LO	AFE No.: D01E2660	DST #: 5
INTERVAL: 2298.5m - 2326m	FORMATION: MOUNT CAP	TESTING CO.: WEATHERFORD

TYPE OF TEST:	KB:	GRD:	TOTAL DEPTH OF WELL:
INFLATE STRADDLE	160.30	154.10	2600.00 mKB

HOLE SIZE (Normal Caliper):	PACKER SIZE (OD):	BOTTOM HOLE CHOKE:
156 m	139	12.7

FLUID CUSHION:
TYPE H2O LENGTH 600M

D.C. LENGTH:	I.D.:	D.C. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:	D.P. LENGTH:	I.D.:
76.7 m	57 m	m	mm	184.12 m	70 mm	2014.01 m	84.84 mm

STICK-UP ABOVE FLOOR:	TOOL LENGTH ABOVE PACKER:	WEIGHT TO PULL PACKERS LOOSE:
3.93 m	23.42 m	8000 daN

MUD TYPE:	DENSITY:	VIS.:	W.L.:	PH.:	CL:
SALT SATURATED	1270 kg/m3	120 s/l	8.5	10.5	190000

TIME AND PRESSURE

*NOTE: COMPARE TWO RECORDERS, REPORT

RECORDER No.:	DEPTH:	
434 497	2300 2300	☐ INSIDE ☑ OUTSIDE

TOOL	DATE (y-m-d)	TIME
OPENED	2002/03/10	15:25

		INITIAL	FINAL
PF:	8 min	88.04 kPa	88.74 kPa
INITIAL SHUT-IN:	300 min	6327 kPa	18120.6 kPa
FLOW:	3 min	89.77 kPa	92.66 kPa
FSI SI:	min	kPa	kPa

IHP:	FHP:	BHT:
kP	kPa	56 °C

GAS FLOW READINGS

MEASURING DEVICE

TIME	ORIFICE mm	PRESSURE kPa	RATE m3/d
		81.48	31

BLOW DESCRIPTION AND RECOVERY

PREFLOW

DEPTH OF BUBBLE HOSE cm | GAS TO SURFACE: min.

DESCRIPTION: CLOSED CHAMBER

2ND FLOW

DEPTH OF BUBBLE HOSE cm | GAS TO SURFACE: min.

DESCRIPTION: LOST PACKER SEAT 3MINUTES INTO FINAL FLOW.

RECOVERY DATA

TOTAL RECOVERY: m REVERSE CIRCULATED ☐ YES ☑ NO

CONSISTING OF: SALINITY OR API GRAVITY

600 m of cushion	
20 m of DRILLING FLUID	26000
m of	
m of	
m of	

SAMPLES	SAMPLE	SHIPPED TO	SHIPPED BY	SAMPLES SHIPPED
FLUID	1	AGAT LAB	TESTER	1
GAS BOMBS				
B.H.SAMPLER				

REMARKS: CUSHION WAS LOST WHILE HOISTING THROUGH PUMP OUT SUB. ONE SAMPLE OF DRILLING FLUID WAS CAUGHT AT TOOL. SAMPLERS WERE DRAINED ON LOCATION AND BOTH CONTAINED DRILLING FLUID.

ALPINE

Drill Stem Test Report

Prepared for: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Well Name: EOG ET AL DEVO CREEK
Location: P-45-65-30-127-30

Test Date: 03/09/2002

Job Ticket #: D3-0823 DST#: 5

Drill Stem Testing Report

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-0823 DST#: 5
Test Date: 03/09/2002 1200hrs

Well Name: EOG ET AL DEVO CREEK
Location: P-45-65-30-127-30

General Information:

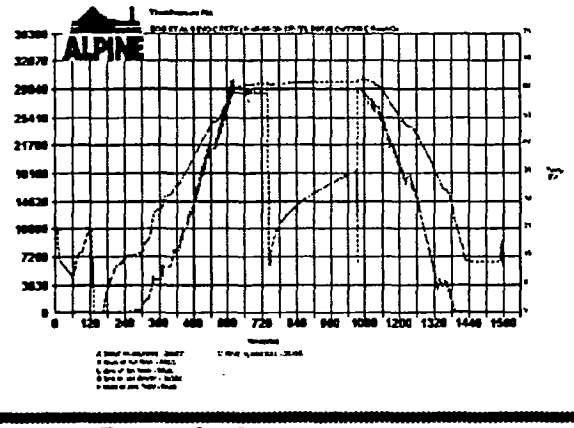
Test Type: DUAL INFLATE STRADDLE
Interval: 2298.50m - 2326.00m
Formation: MOUNT CAP
KB Elevation: 166.20m
Ground Elevation: 160.00m
Total Depth: 2600.00m
Test Mode: Gas

Tester: TROY McKENZIE
Truck No.: C-CAN
Contractor: AKITA DRILLING
Rig No.: 51
Hole Diameter: 159mm
Hole Condition: POOR
Bottom Hole Temperature: 62.40 C

Electronic Recorder Information:

OUTSIDE		FLUID	
Recorder #:	434	Recorder #:	461
Range:	103000 kPag	Range:	70000 kPag
Depth:	2300.83 m	Depth:	2273.15 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	28576.5
B Start of 1st Flow	0.00	6583.4
C End of 1st Flow	7.00	6591.5
D End of 1st Shutin	300.00	18395.7
E Start of 2nd Flow	0.00	6639.6
Q Final Hydrostatic	0.00	28386.3



Test Run Information:

Start Time: 1200hrs
Reached Test Depth: 2230hrs
Pull Out Time: 530hrs
Tool Out Of Hole: 1200hrs

Weight set on Packers: 7000.00daN
Weight to free Packers: 8000.00daN
Initial String Weight: 42000.00daN
Unseated String Weight: 43000.00daN

Tool Chased Dist: 0.00m
Mud Type: SALT SATURATED
Mud Weight: 1270.00kg/m³
Amount of fill: 0.00m
Amt of cushion: 600.00M
Type of cushion: H20

Water Loss: 8.50cm³
Mud Drop: NO
VIS: 120.00S/L
Filter Cake: 0.00mm
Pump Time: 30min
Reversed Out: NO

General Remarks:

Mechanically successful. *Initial shutin pressures suggest very low permeability within the zone tested.

***** See enclosed Closed Chamber report for flow evaluation.**

Packer seat was lost upon cycling tool for final flow.

NOTE - See Weatherford Telemetry Report for real time data acquisition.

Recovery Description:

Total fluid recovery was 2 meters drilling fluid.

Gas Bomb: 0 Sampler: 2
Fluid Sample: 1 Sent to: AGAT LAB

Drill Stem Testing - Tool Diagram / Description

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-0823 DST#: 5
Test Date: 03/09/2002 1200hrs

Well Name: EOG ET AL DEVO CREEK
Location: P-45-65-30-127-30

Dual Inflate Straddle

Drill Collar Stands:	4
Drill Collar Singles:	0
Drill Pipe Stands:	115
Drill Pipe Singles:	0
Heavy Wt. Pipe Stands:	10
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	2302.43m
Total Drill Pipe Above K.B.:	3.93m
Total Depth:	2600m

Tool / Drill Stem Information:

Tool Weight:	4000.00	daN
Drill Collar Inside Diameter:	57.00	mm
Drill Collar Length:	76.70	m
Drill Pipe Inside Diameter:	84.84	mm
Drill Pipe Length:	2014.01	m
Heavy Weight Pipe Diameter:	70.00	mm
Heavy Weight Pipe Length:	184.12	m
Bottom Choke Diameter:	12.70	mm
Number of Packers: 3 Dia.:	139.00	mm

Tool Remarks:



27.60m

60.22m

Depth: 2298.50m

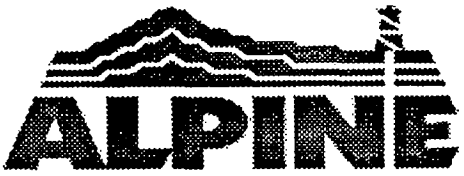
27.45m

Depth: 2326.00m

5.17m

Total Depth: 2600.00m

Item	Length
P.O. Sub	0.62
REC#461	1.63
HMV Stroke	2.39
Sampler	1.13
Sampler	1.13
REC#409	1.61
Telemetry Tool	6.12
Jars	1.82
Safety Joint	0.69
Pump	2.04
Screen	1.17
Valve	2.23
Deflate	0.84
Packer	2.40
Packer	1.78
Stubb	0.62
Flow Sub	0.59
ASE Carrier	1.12
REC#434	
REC#497	
Drill Collar	18.98
Blank Spacing	4.67
Bypass Receiver	0.85
Stubb	0.62
Packer	1.78
Extension Sub	0.63
Blank Off Sub	0.21
Drag Spring	2.04
Bullnose	0.51



Closed Chamber Test Report

Prepared for: **EOG RESOURCES CANADA INC.**

Well Name: **EOG ET AL DEVO CREEK**

Location: **P-45-65-30-127-30**

Test Date: **Sat 09 Mar 2002**

Job Ticket #: **4-1847** DST #: **5**

Alpine Oil Services Corporation
#2460, 240 - 4th Avenue S.W., Calgary, Alberta
(403) 263-7800 * http://www.alpineoil.com/

Pre-Test Plan

General Information

Alpine's Ticket: **4-1847**
Date: **Sat 09 Mar 2002**

Customer: **EOG RESOURCES CANADA INC.**
Well Name: **EOG ET AL DEVO CREEK**
Well Location: **P-45-65-30-127-30**
Well License Number: **1914**
Customer Rep: **KEN RAE**

Rig Name & Number: **AKITA 51**
Testing Company: **Alpine Testers Ltd.**
DST Supervisor: **TROY McKENZIE**
DST Truck: **C-CAN**

Primary Objective of Closed Chamber:

Closed Chamber Technician: **DUANE RICALTON**
Telemetry Truck: **C-CAN**

Test #: **5**
Interval: **2,298.50 to 2,326.00 meters**
Formation: **MOUNT CAP**
Test Type: **Inflate Straddle**
Hole Size: **159.000 mm**
Total Depth: **2,600 meters**

Mud Type: **SALT BASE**
Mud Weight: **1270 kg/m3**
Mud Viscosity: **120 l/min**
Mud Resistivity:
Mud Salinity: **26,000 ppm NaCl**

Constants Used During Pretest Planning

Surface Temp: **-30.00 Celcius OR 243.15 kelvin**
Formation Temp: **56.00 Celcius OR 329.15 kelvin**
Average Temp: **13.00 Celcius OR 286.15 kelvin**

Compressibility: **0.95**

BottomHole Choke Size: **12.700 mm**
Surface Choke Size:

Cushion Type: **water**
Cushion Amount: **600.00 meters**

Chamber Volume

Drill Collar	*Heavy Weight Drill Pipe*	*Drill Pipe*
ID: **57.000 mm**	ID: **70.000 mm**	ID: **84.840 mm**
Length: **76.70 m**	Length: **184.12 m**	Length: **2,014.01 m**
Capacity: **0.0026 m3/m**	Capacity: **0.0038 m3/m**	Capacity: **0.0057 m3/m**
Volume: **0.1957 m3**	Volume: **0.7086 m3**	Volume: **11.3855 m3**

Total Chamber Volume: **12.2898 cubic meters**
Minus Cushion Volume: **2.8217 cubic meters**

Net Chamber Air Volume: **9.4681 cubic meters**

Alpine Oil Services Corporation
#2460, 240 - 4th Avenue S.W., Calgary, Alberta
(403) 263-7800 * http://www.alpineoil.com/

Summary

Alpine's Ticket:	4-1847	Date:	Sat 09 Mar 2002
Customer:	EOG RESOURCES CANADA INC.	Test #:	5
Well Name:	EOG ET AL DEVO CREEK	Interval:	2,298.50 to 2,326.00 meters
Well Location:	P-45-65-30-127-30	Formation:	MOUNT CAP

1st Flow

Time Open:	00:23:49		
Test Tool Open For:	8.00 minutes		
Total Surface Pressure:	0.70 kPa	dP/dT:	0.09 kPa/min
Hydrostatic of Produced Fluid:	81.48 kPa	dP/dT:	10.19 kPa/min

1st Shut-In

Time Closed:	00:31:49		
Pressure Vented After:	302.01 minutes		
Total Additional Surface Pressure:	1.03 kPa	dP/dT:	0.00 kPa/min

2nd Flow

Time Open:	05:33:49		
Test Tool Open For:	3.00 minutes		
Total Surface Pressure:	2.89 kPa	dP/dT:	0.96 kPa/min
Hydrostatic of Produced Fluid:	22.58 kPa	dP/dT:	7.53 kPa/min

2nd Shut-In

Time Closed:	05:36:49		
Pressure Vented After:	5.00 minutes		
Total Additional Surface Pressure:	0.52 kPa	dP/dT:	0.10 kPa/min

Alpine Oil Services Corporation
#2460, 240 - 4th Avenue S.W., Calgary, Alberta
(403) 263-7800 * http://www.alpineoil.com/

Combination Flow Rates

1st Flow

Alpine's Ticket:	4-1847	Date:	Sat 09 Mar 2002
Customer:	EOG RESOURCES CANADA INC.	Test #:	5
Well Name:	EOG ET AL DEVO CREEK	Interval:	2,298.50 to 2,326.00 meters
Well Location:	P-45-65-30-127-30	Formation:	MOUNT CAP

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
00:23:49	0.00	88.04	6,093.82					
00:24:49	1.00	87.91	6,128.54	0.18	0.00	0	28	0.02
00:25:49	2.00	87.98	6,160.95	0.17	0.00	0	26	0.04
00:26:48	3.00	88.10	6,166.74	0.03	0.10	14	5	0.04
00:27:49	4.00	88.17	6,167.90	0.01	0.06	8	1	0.04
00:28:49	5.00	88.38	6,045.21	0.00	0.22	31	0	0.04
00:29:49	6.00	88.71	6,182.94	0.73	0.00	0	112	0.12
00:30:49	7.00	88.90	6,172.53	0.00	0.19	27	0	0.12
00:31:49	8.00	88.74	6,176.00	0.02	0.00	0	3	0.12

Alpine Oil Services Corporation
#2460, 240 - 4th Avenue S.W., Calgary, Alberta
(403) 263-7800 * http://www.alpineoil.com/

Combination Flow Rates

2nd Flow

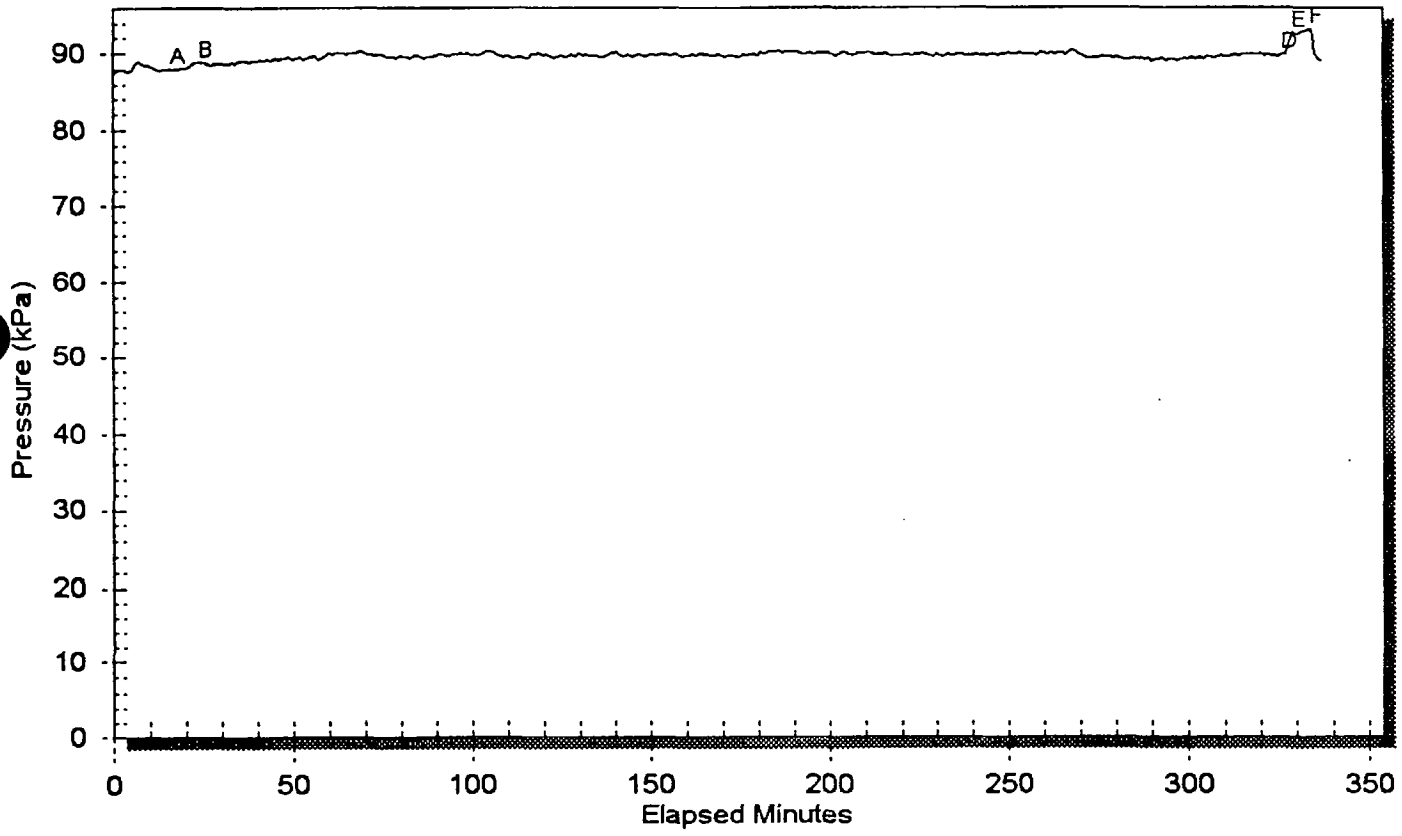
Alpine's Ticket:	4-1847	Date:	Sat 09 Mar 2002
Customer:	EOG RESOURCES CANADA INC.	Test #:	5
Well Name:	EOG ET AL DEVO CREEK	Interval:	2,298.50 to 2,326.00 meters
Well Location:	P-45-65-30-127-30	Formation:	MOUNT CAP

Time hh:mm:ss	Elapsed min	Surface kPa	Recovery kPa	Liq DPDT kPa	Gas DPDT kPa/min	Gas Rate m3/day	Liq Rate m3/day	Volume m3
05:33:49	0.00	89.77	6,194.52					
05:34:49	1.00	89.89	6,189.89	0.00	0.11	16	0	0.12
05:35:49	2.00	91.99	6,225.77	0.18	1.92	270	28	0.14
05:36:49	3.00	92.66	6,219.98	0.00	0.67	95	0	0.14

Surface Pressure

Alpine Oil Services Corporation
#2460, 240 - 4th Avenue S.W., Calgary, Alberta
(403) 263-7800 * http://www.alpineoil.com/

Alpine's Ticket:	4-1847	Date:	Sat 09 Mar 2002
Customer:	EOG RESOURCES CANADA INC.	Test #:	5
Well Name:	EOG ET AL DEVO CREEK	Interval:	2,298.50 to 2,326.00 meters
Well Location:	P-45-65-30-127-30	Formation:	MOUNT CAP

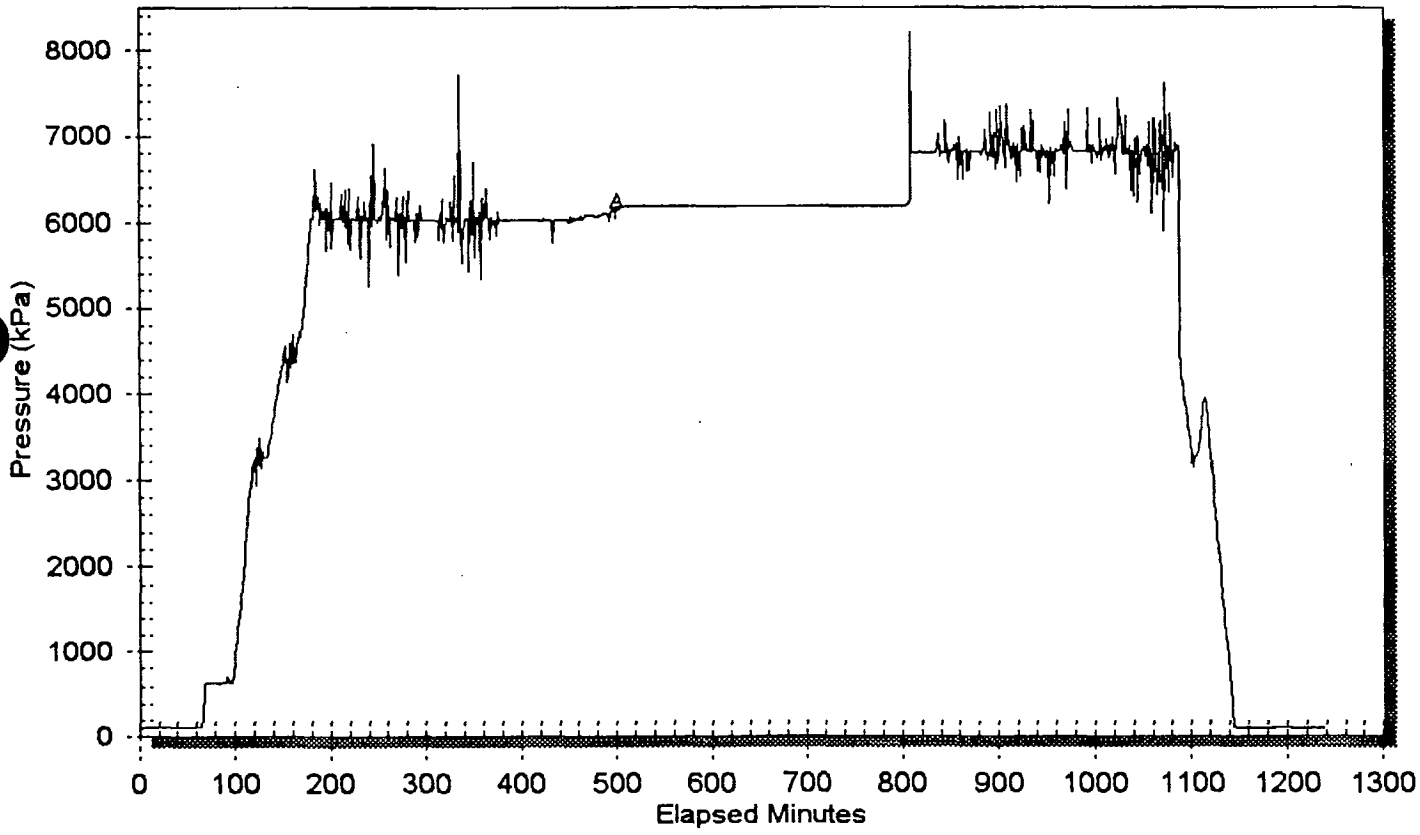


A Start of 1st Flow
B End of 1st Flow
D Start of 2nd Flow
E End of 2nd Flow
Start of 2nd Bleed-Off

Alpine Oil Services Corporation
#2460, 240 - 4th Avenue S.W., Calgary, Alberta
(403) 263-7800 * http://www.alpineoil.com/

Recovery Pressure

Alpine's Ticket:	4-1847	Date:	Sat 09 Mar 2002
Customer:	EOG RESOURCES CANADA INC.	Test #:	5
Well Name:	EOG ET AL DEVO CREEK	Interval:	2,298.50 to 2,326.00 meters
Well Location:	P-45-65-30-127-30	Formation:	MOUNT CAP



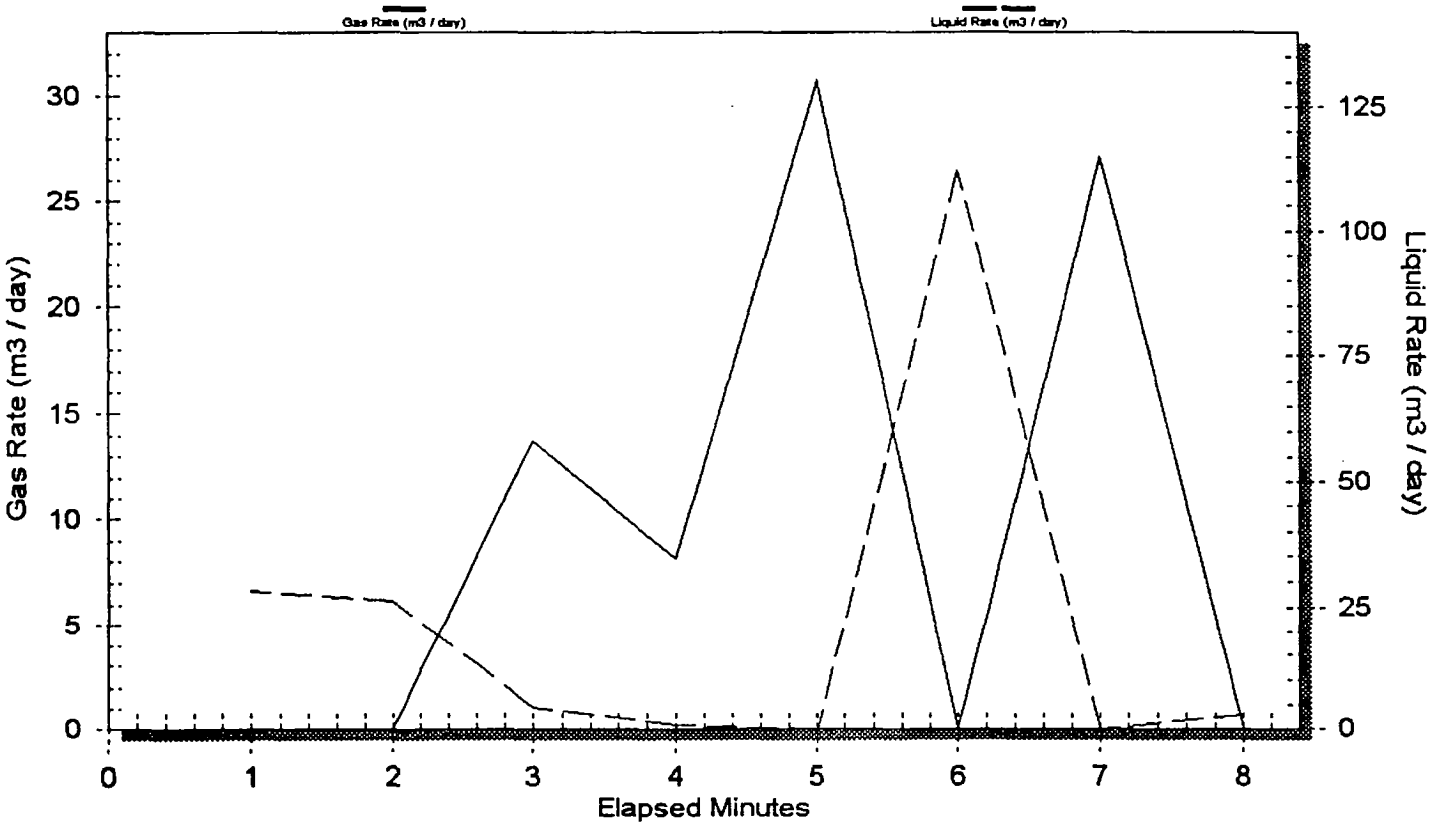
A Start of 1st Flow

Alpine Oil Services Corporation
#2460, 240 - 4th Avenue S.W., Calgary, Alberta
(403) 263-7800 * http://www.alpineoil.com/

Combination Flow Rates

1st Flow

Alpine's Ticket:	**4-1847**	Date:	**Sat 09 Mar 2002**
Customer:	**EOG RESOURCES CANADA INC.**	Test #:	**5**
Well Name:	**EOG ET AL DEVO CREEK**	Interval:	**2,298.50 to 2,326.00 meters**
Well Location:	**P-45-65-30-127-30**	Formation:	**MOUNT CAP**

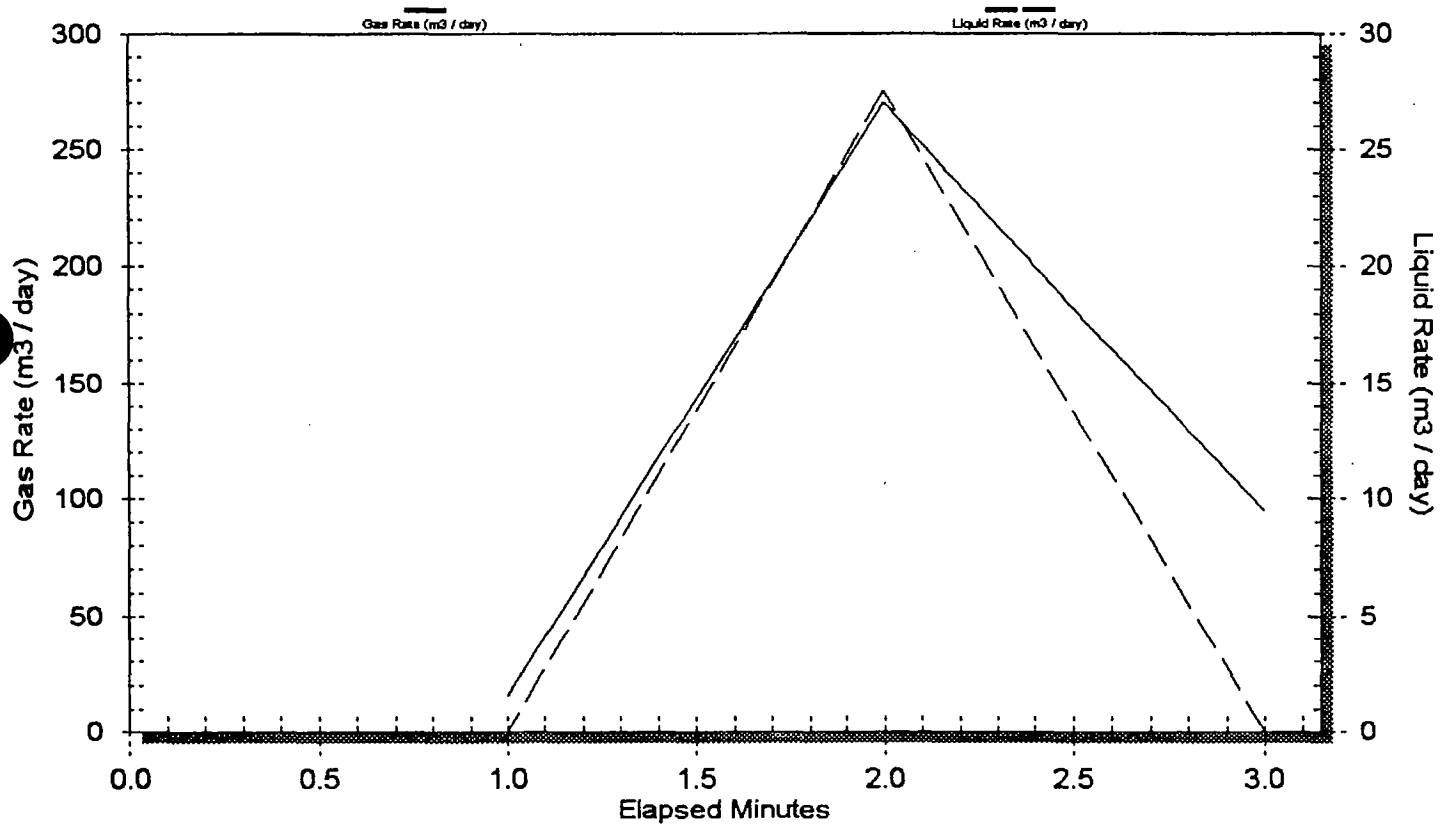


Alpine Oil Services Corporation
#2460, 240 - 4th Avenue S.W., Calgary, Alberta
(403) 263-7800 * http://www.alpineoil.com/

Combination Flow Rates

2nd Flow

Alpine's Ticket:	4-1847	Date:	Sat 09 Mar 2002
Customer:	EOG RESOURCES CANADA INC.	Test #:	5
Well Name:	EOG ET AL DEVO CREEK	Interval:	2,298.50 to 2,326.00 meters
Well Location:	P-45-65-30-127-30	Formation:	MOUNT CAP



Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-0823 DST#: 5
Test Date: 03/09/2002 1200hrs

Well Name: EOG ET AL DEVO CREEK

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
A	Initial Hydrostatic	0.00	0.00	28576.50		61.8
B	Start of 1st Flow	0.00	0.00	6583.40		61.9
		1.00	-2.90	6580.50		61.8
		2.00	-1.10	6582.30		61.8
		3.00	-434.50	6148.90		61.7
		4.00	1207.10	7790.50		61.7
		5.00	2.40	6585.80		61.7
		6.00	4.70	6588.10		61.7
C	End of 1st Flow	7.00	8.10	6591.50		61.7
		1.00	634.30	7225.80	8.0000	61.6
		2.00	1284.70	7876.20	4.5000	61.6
		3.00	1570.50	8162.00	3.3333	61.6
		4.00	1818.80	8410.30	2.7500	61.6
		5.00	2035.80	8627.30	2.4000	61.7
		6.00	2231.90	8823.40	2.1667	61.7
		7.00	2409.60	9001.10	2.0000	61.7
		8.00	2573.90	9165.40	1.8750	61.6
		9.00	2725.50	9317.00	1.7778	61.6
		10.00	2867.30	9458.80	1.7000	61.6
		11.00	3001.00	9592.50	1.6364	61.6
		12.00	3127.10	9718.60	1.5833	61.7
		13.00	3246.90	9838.40	1.5385	61.7
		14.00	3359.70	9951.20	1.5000	61.8
		15.00	3469.10	10060.60	1.4667	61.8
		16.00	3574.40	10165.90	1.4375	61.7
		17.00	3674.50	10266.00	1.4118	61.7
		18.00	3770.60	10362.10	1.3889	61.7
		19.00	3863.80	10455.30	1.3684	61.7
		20.00	3952.90	10544.40	1.3500	61.8
		21.00	4040.30	10631.80	1.3333	61.7
		22.00	4123.60	10715.10	1.3182	61.8
		23.00	4204.60	10796.10	1.3043	61.8
		24.00	4285.00	10876.50	1.2917	61.8
		25.00	4361.40	10952.90	1.2800	61.8
		26.00	4436.10	11027.60	1.2692	61.8
		27.00	4508.40	11099.90	1.2593	61.8
		28.00	4579.00	11170.50	1.2500	61.8
		29.00	4647.90	11239.40	1.2414	61.8
		30.00	4715.60	11307.10	1.2333	61.8
		31.00	4780.90	11372.40	1.2258	61.8
		32.00	4846.30	11437.80	1.2188	61.8
		33.00	4910.60	11502.10	1.2121	61.8
		34.00	4971.90	11563.40	1.2059	61.8
		35.00	5032.70	11624.20	1.2000	61.8
		36.00	5091.10	11682.60	1.1944	61.8
		37.00	5150.70	11742.20	1.1892	61.8
		38.00	5208.60	11800.10	1.1842	61.8
		39.00	5264.10	11855.60	1.1795	61.8
		40.00	5319.10	11910.60	1.1750	61.8
		41.00	5374.70	11966.20	1.1707	61.8
		42.00	5427.30	12018.80	1.1667	61.9
		43.00	5480.50	12072.00	1.1628	61.8
		44.00	5532.60	12124.10	1.1591	61.9
		45.00	5583.50	12175.00	1.1556	61.9
		46.00	5635.00	12226.50	1.1522	61.9
		47.00	5684.20	12275.70	1.1489	61.8
		48.00	5734.00	12325.50	1.1458	61.9
		49.00	5783.20	12374.70	1.1429	61.9
		50.00	5831.80	12423.30	1.1400	61.9
		51.00	5878.10	12469.60	1.1373	61.9
		52.00	5925.00	12516.50	1.1346	61.9
		53.00	5970.70	12562.20	1.1321	61.9
		54.00	6016.40	12607.90	1.1296	61.9
		55.00	6060.40	12651.90	1.1273	61.9
		56.00	6104.90	12696.40	1.1250	61.9
		57.00	6148.90	12740.40	1.1228	61.9
		58.00	6191.70	12783.20	1.1207	61.9
		59.00	6235.70	12827.20	1.1186	61.9
		60.00	6277.90	12869.40	1.1167	61.9
		61.00	6320.20	12911.70	1.1148	61.9
		62.00	6361.80	12953.30	1.1129	61.9
		63.00	6402.40	12993.90	1.1111	61.9
		64.00	6444.00	13035.50	1.1094	61.9
		65.00	6483.40	13074.90	1.1077	62.0

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-0823 DST#: 5
Test Date: 03/09/2002 1200hrs

Well Name: EOG ET AL DEVO CREEK

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		66.00	6524.50	13116.00	1.1061	61.9
		67.00	6563.80	13155.30	1.1045	62.0
		68.00	6602.60	13194.10	1.1029	62.0
		69.00	6643.10	13234.60	1.1014	61.9
		70.00	6681.80	13273.30	1.1000	61.9
		71.00	6720.80	13312.10	1.0986	61.9
		72.00	6758.20	13349.70	1.0972	62.0
		73.00	6795.80	13387.30	1.0959	61.9
		74.00	6834.00	13425.50	1.0946	61.9
		75.00	6869.90	13461.40	1.0933	62.0
		76.00	6906.90	13498.40	1.0921	62.0
		77.00	6942.20	13533.70	1.0909	62.0
		78.00	6979.30	13570.80	1.0897	62.0
		79.00	7014.60	13606.10	1.0886	62.0
		80.00	7049.90	13641.40	1.0875	62.0
		81.00	7085.20	13676.70	1.0864	62.0
		82.00	7119.30	13710.80	1.0854	62.0
		83.00	7153.50	13745.00	1.0843	62.0
		84.00	7188.80	13780.30	1.0833	62.0
		85.00	7222.30	13813.80	1.0824	62.0
		86.00	7255.90	13847.40	1.0814	62.0
		87.00	7290.00	13881.50	1.0805	62.0
		88.00	7322.40	13913.90	1.0795	62.0
		89.00	7356.00	13947.50	1.0787	62.0
		90.00	7387.80	13979.30	1.0778	62.0
		91.00	7421.40	14012.90	1.0769	62.0
		92.00	7453.20	14044.70	1.0761	62.0
		93.00	7484.50	14076.00	1.0753	62.0
		94.00	7517.40	14108.90	1.0745	62.0
		95.00	7548.70	14140.20	1.0737	62.0
		96.00	7579.40	14170.90	1.0729	62.0
		97.00	7610.00	14201.50	1.0722	62.0
		98.00	7640.70	14232.20	1.0714	62.0
		99.00	7671.40	14262.90	1.0707	62.0
		100.00	7700.90	14292.40	1.0700	62.1
		101.00	7732.70	14324.20	1.0693	62.0
		102.00	7763.90	14355.40	1.0686	62.0
		103.00	7794.00	14385.50	1.0680	62.0
		104.00	7823.50	14415.00	1.0673	62.1
		105.00	7853.60	14445.10	1.0667	62.1
		106.00	7882.60	14474.10	1.0660	62.1
		107.00	7911.50	14503.00	1.0654	62.1
		108.00	7941.00	14532.50	1.0648	62.0
		109.00	7969.90	14561.40	1.0642	62.1
		110.00	7998.90	14590.40	1.0636	62.1
		111.00	8027.20	14618.70	1.0631	62.1
		112.00	8055.60	14647.10	1.0625	62.1
		113.00	8084.50	14676.00	1.0619	62.0
		114.00	8112.90	14704.40	1.0614	62.0
		115.00	8139.50	14731.00	1.0609	62.1
		116.00	8167.30	14758.80	1.0603	62.1
		117.00	8195.00	14786.50	1.0598	62.1
		118.00	8221.70	14813.20	1.0593	62.1
		119.00	8249.40	14840.90	1.0588	62.1
		120.00	8277.20	14868.70	1.0583	62.1
		121.00	8303.80	14895.30	1.0579	62.1
		122.00	8329.90	14921.40	1.0574	62.1
		123.00	8356.50	14948.00	1.0569	62.1
		124.00	8383.10	14974.60	1.0565	62.1
		125.00	8408.60	15000.10	1.0560	62.1
		126.00	8434.60	15026.10	1.0556	62.1
		127.00	8461.20	15052.70	1.0551	62.1
		128.00	8485.50	15077.00	1.0547	62.1
		129.00	8512.70	15104.20	1.0543	62.1
		130.00	8538.80	15130.30	1.0538	62.1
		131.00	8564.80	15156.30	1.0534	62.1
		132.00	8589.10	15180.60	1.0530	62.1
		133.00	8614.00	15205.50	1.0526	62.1
		134.00	8639.50	15231.00	1.0522	62.1
		135.00	8665.50	15257.00	1.0519	62.1
		136.00	8690.40	15281.90	1.0515	62.1
		137.00	8715.30	15306.80	1.0511	62.1
		138.00	8739.00	15330.50	1.0507	62.1
		139.00	8764.50	15356.00	1.0504	62.1

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-0823 DST#: 5
Test Date: 03/09/2002 1200hrs

Well Name: EOG ET AL DEVO CREEK

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		140.00	8788.20	15379.70	1.0500	62.1
		141.00	8813.10	15404.60	1.0496	62.1
		142.00	8836.80	15428.30	1.0493	62.1
		143.00	8861.10	15452.60	1.0490	62.2
		144.00	8884.20	15475.70	1.0486	62.2
		145.00	8908.50	15500.00	1.0483	62.1
		146.00	8932.80	15524.30	1.0479	62.1
		147.00	8956.60	15548.10	1.0476	62.2
		148.00	8980.30	15571.80	1.0473	62.1
		149.00	9003.40	15594.90	1.0470	62.2
		150.00	9026.60	15618.10	1.0467	62.1
		151.00	9048.60	15640.10	1.0464	62.2
		152.00	9072.90	15664.40	1.0461	62.1
		153.00	9094.90	15686.40	1.0458	62.1
		154.00	9117.40	15708.90	1.0455	62.2
		155.00	9140.60	15732.10	1.0452	62.2
		156.00	9162.00	15753.50	1.0449	62.2
		157.00	9184.60	15776.10	1.0446	62.2
		158.00	9207.10	15798.60	1.0443	62.2
		159.00	9229.10	15820.60	1.0440	62.2
		160.00	9251.10	15842.60	1.0438	62.2
		161.00	9274.30	15865.80	1.0435	62.2
		162.00	9295.10	15886.60	1.0432	62.2
		163.00	9316.50	15908.00	1.0429	62.2
		164.00	9339.10	15930.60	1.0427	62.2
		165.00	9361.10	15952.60	1.0424	62.2
		166.00	9381.30	15972.80	1.0422	62.2
		167.00	9403.30	15994.80	1.0419	62.2
		168.00	9425.30	16016.80	1.0417	62.2
		169.00	9445.50	16037.00	1.0414	62.2
		170.00	9466.90	16058.40	1.0412	62.2
		171.00	9488.40	16079.90	1.0409	62.2
		172.00	9509.20	16100.70	1.0407	62.2
		173.00	9531.20	16122.70	1.0405	62.2
		174.00	9552.00	16143.50	1.0402	62.2
		175.00	9573.40	16164.90	1.0400	62.2
		176.00	9592.50	16184.00	1.0398	62.3
		177.00	9614.50	16206.00	1.0395	62.2
		178.00	9635.30	16226.80	1.0393	62.3
		179.00	9655.60	16247.10	1.0391	62.3
		180.00	9676.40	16267.90	1.0389	62.2
		181.00	9696.10	16287.60	1.0387	62.3
		182.00	9716.90	16308.40	1.0385	62.3
		183.00	9737.20	16328.70	1.0383	62.3
		184.00	9758.00	16349.50	1.0380	62.2
		185.00	9777.70	16369.20	1.0378	62.3
		186.00	9799.10	16390.60	1.0376	62.2
		187.00	9818.80	16410.30	1.0374	62.2
		188.00	9839.60	16431.10	1.0372	62.2
		189.00	9858.70	16450.20	1.0370	62.2
		190.00	9879.00	16470.50	1.0368	62.3
		191.00	9899.20	16490.70	1.0366	62.3
		192.00	9918.30	16509.80	1.0365	62.3
		193.00	9938.60	16530.10	1.0363	62.3
		194.00	9958.20	16549.70	1.0361	62.2
		195.00	9977.90	16569.40	1.0359	62.3
		196.00	9998.20	16589.70	1.0357	62.3
		197.00	10016.70	16608.20	1.0355	62.3
		198.00	10036.90	16628.40	1.0354	62.3
		199.00	10056.00	16647.50	1.0352	62.3
		200.00	10075.10	16666.60	1.0350	62.3
		201.00	10094.20	16685.70	1.0348	62.3
		202.00	10113.30	16704.80	1.0347	62.3
		203.00	10134.10	16725.60	1.0345	62.2
		204.00	10152.10	16743.60	1.0343	62.3
		205.00	10170.60	16762.10	1.0341	62.3
		206.00	10189.10	16780.60	1.0340	62.3
		207.00	10208.80	16800.30	1.0338	62.3
		208.00	10227.30	16818.80	1.0337	62.3
		209.00	10247.00	16838.50	1.0335	62.3
		210.00	10265.50	16857.00	1.0333	62.3
		211.00	10284.60	16876.10	1.0332	62.3
		212.00	10303.70	16895.20	1.0330	62.3
		213.00	10322.20	16913.70	1.0329	62.3

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-0823 DST#: 5
Test Date: 03/09/2002 1200hrs

Well Name: EOG ET AL DEVO CREEK

Location: P-45-65-30-127-30

Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)	Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		214.00	10340.10	16931.60	1.0327	62.3			251.00	11003.30	17594.80	1.0279	62.3
		215.00	10359.20	16950.70	1.0326	62.3			252.00	11019.50	17611.00	1.0278	62.4
		216.00	10377.20	16968.70	1.0324	62.3			253.00	11037.40	17628.90	1.0277	62.3
		217.00	10396.30	16987.80	1.0323	62.3			254.00	11053.60	17645.10	1.0276	62.4
		218.00	10414.20	17005.70	1.0321	62.3			255.00	11070.40	17661.90	1.0275	62.4
		219.00	10432.70	17024.20	1.0320	62.3			256.00	11087.20	17678.70	1.0273	62.4
		220.00	10451.30	17042.80	1.0318	62.3			257.00	11104.60	17696.10	1.0272	62.4
		221.00	10469.20	17060.70	1.0317	62.3			258.00	11120.80	17712.30	1.0271	62.4
		222.00	10487.70	17079.20	1.0315	62.3			259.00	11138.10	17729.60	1.0270	62.4
		223.00	10506.20	17097.70	1.0314	62.3			260.00	11154.90	17746.40	1.0269	62.3
		224.00	10524.20	17115.70	1.0313	62.3			261.00	11171.10	17762.60	1.0268	62.4
		225.00	10542.70	17134.20	1.0311	62.3			262.00	11187.30	17778.80	1.0267	62.4
		226.00	10559.50	17151.00	1.0310	62.3			263.00	11204.70	17796.20	1.0266	62.3
		227.00	10578.00	17169.50	1.0308	62.3			264.00	11221.40	17812.90	1.0265	62.4
		228.00	10596.50	17188.00	1.0307	62.3			265.00	11237.70	17829.20	1.0264	62.4
		229.00	10613.90	17205.40	1.0306	62.3			266.00	11253.90	17845.40	1.0263	62.4
		230.00	10633.00	17224.50	1.0304	62.3			267.00	11270.60	17862.10	1.0262	62.4
		231.00	10651.50	17243.00	1.0303	62.3			268.00	11286.80	17878.30	1.0261	62.4
		232.00	10668.80	17260.30	1.0302	62.3			269.00	11303.00	17894.50	1.0260	62.4
		233.00	10686.80	17278.30	1.0300	62.3			270.00	11319.80	17911.30	1.0259	62.4
		234.00	10704.70	17296.20	1.0299	62.3			271.00	11336.00	17927.50	1.0258	62.4
		235.00	10723.20	17314.70	1.0298	62.4			272.00	11352.20	17943.70	1.0257	62.4
		236.00	10741.70	17333.20	1.0297	62.3			273.00	11370.20	17961.70	1.0256	62.4
		237.00	10758.50	17350.00	1.0295	62.3			274.00	11386.90	17978.40	1.0255	62.3
		238.00	10777.60	17369.10	1.0294	62.3			275.00	11402.60	17994.10	1.0255	62.4
		239.00	10794.40	17385.90	1.0293	62.3			276.00	11419.40	18010.90	1.0254	62.4
		240.00	10811.20	17402.70	1.0292	62.4			277.00	11435.60	18027.10	1.0253	62.4
		241.00	10829.10	17420.60	1.0290	62.3			278.00	11451.80	18043.30	1.0252	62.4
		242.00	10846.50	17438.00	1.0289	62.3			279.00	11467.40	18058.90	1.0251	62.4
		243.00	10863.80	17455.30	1.0288	62.3			280.00	11483.60	18075.10	1.0250	62.4
		244.00	10881.20	17472.70	1.0287	62.3			281.00	11500.40	18091.90	1.0249	62.4
		245.00	10899.10	17490.60	1.0286	62.3			282.00	11517.10	18108.60	1.0248	62.4
		246.00	10917.10	17508.60	1.0285	62.3			283.00	11532.20	18123.70	1.0247	62.4
		247.00	10933.90	17525.40	1.0283	62.4			284.00	11548.40	18139.90	1.0246	62.4
		248.00	10951.20	17542.70	1.0282	62.4			285.00	11565.20	18156.70	1.0246	62.4
		249.00	10968.60	17560.10	1.0281	62.3			286.00	11580.80	18172.30	1.0245	62.4
		250.00	10985.40	17576.90	1.0280	62.3			287.00	11597.00	18188.50	1.0244	62.4

Drill Stem Testing - Time / Pressure Listing

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

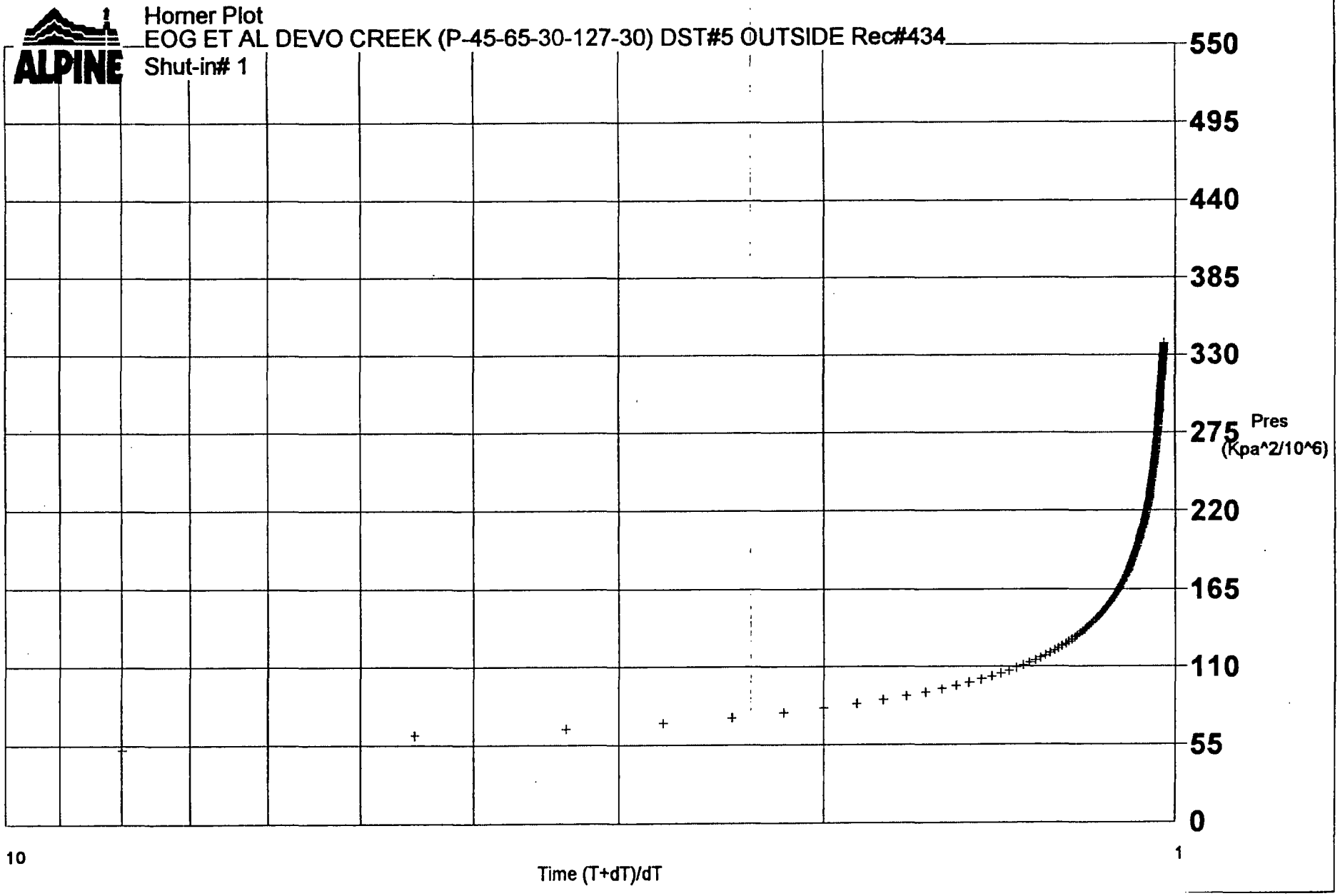
Contact: KEN RAE

Job Ticket #: D3-0823 DST#: 5
Test Date: 03/09/2002 1200hrs

Well Name: EOG ET AL DEVO CREEK

Location: P-45-65-30-127-30

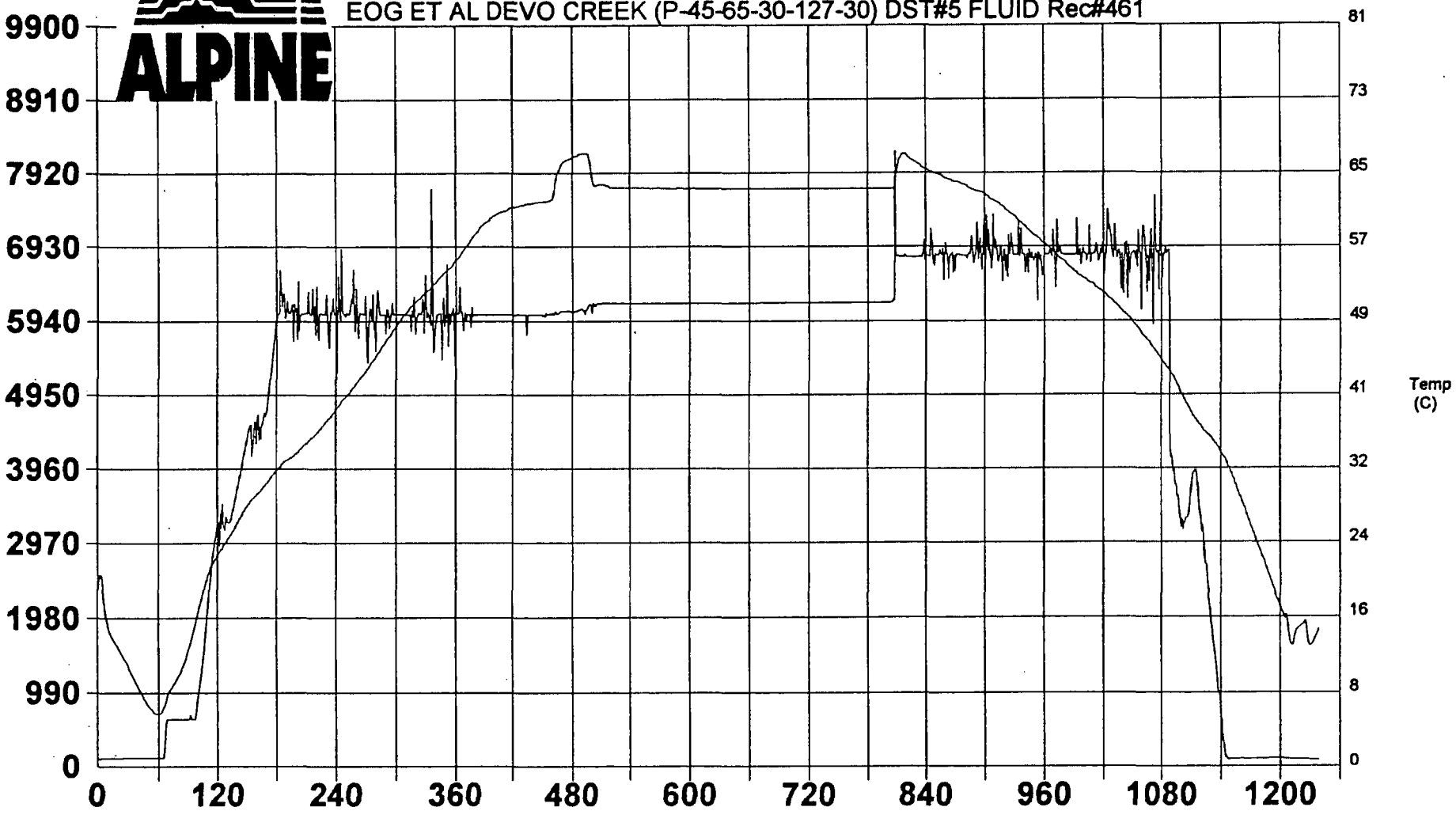
Chart Label	Comments	Time (Min.)	Delta P (KPag)	Pressure (KPag)	Abscissa (T+dt)/dt	Temp. (°C)
		288.00	11612.60	18204.10	1.0243	62.4
		289.00	11628.30	18219.80	1.0242	62.4
		290.00	11645.00	18236.50	1.0241	62.4
		291.00	11660.70	18252.20	1.0241	62.4
		292.00	11676.30	18267.80	1.0240	62.4
		293.00	11692.50	18284.00	1.0239	62.4
		294.00	11708.10	18299.60	1.0238	62.4
		295.00	11723.20	18314.70	1.0237	62.4
		296.00	11739.90	18331.40	1.0236	62.4
		297.00	11756.10	18347.60	1.0236	62.4
		298.00	11771.80	18363.30	1.0235	62.4
		299.00	11788.50	18380.00	1.0234	62.4
D	End of 1st Shutin	300.00	11804.20	18395.70	1.0233	62.4
E	Start of 2nd Flow	0.00	0.00	6639.60		62.4
Q	Final Hydrostatic	0.00	0.00	28386.30		62.7


Horner Plot
EOG ET AL DEVO CREEK (P-45-65-30-127-30) DST#5 OUTSIDE Rec#434
Shut-in# 1
550
495
440
385
330
275
220
165
110
55
0
Pres
(Kpa^2/10^6)
10
1
Time (T+dT)/dT

ALPINE

Time/Pressure Plot

EOG ET AL DEVO CREEK (P-45-65-30-127-30) DST#5 FLUID Rec#461



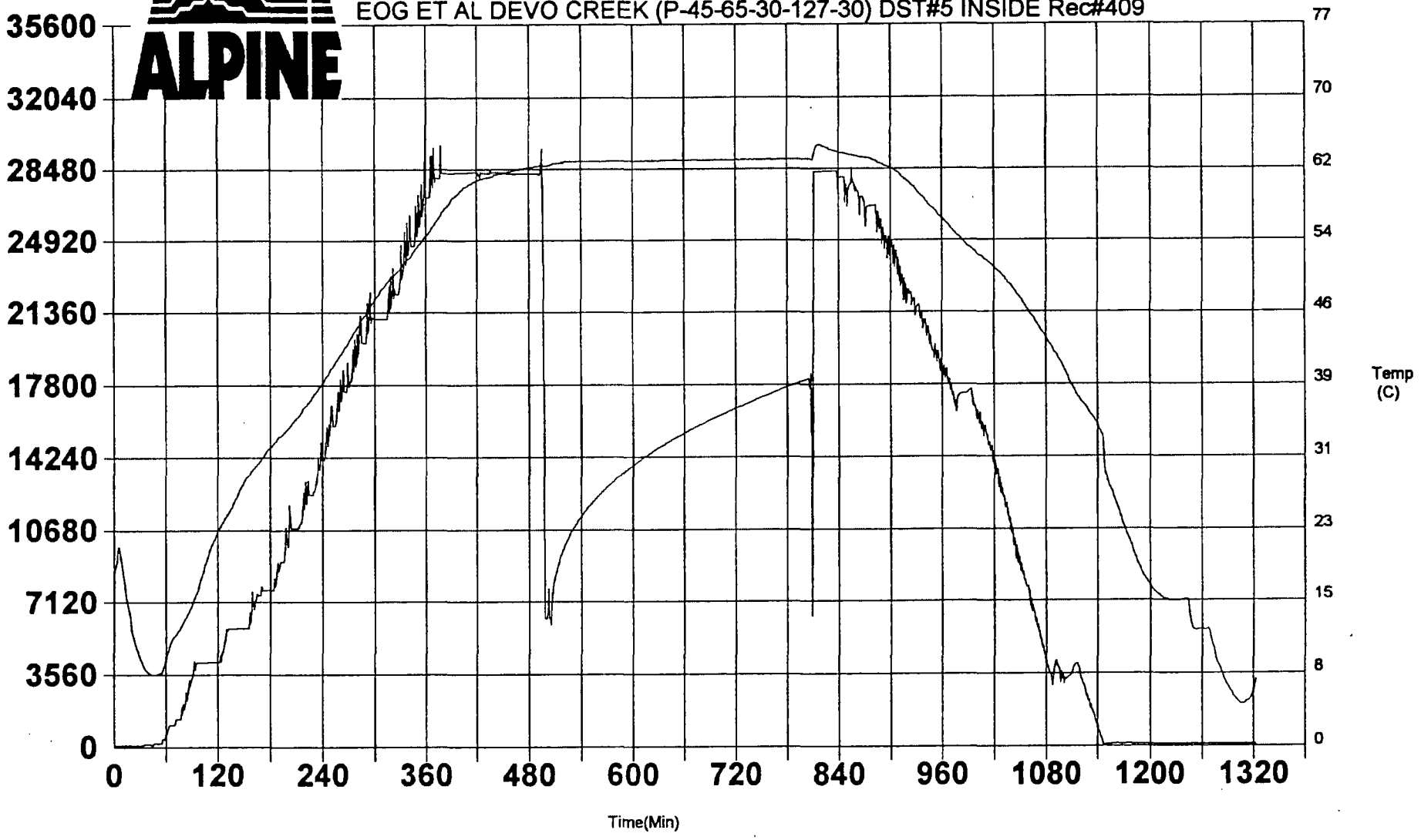
A Initial Hydrostatic - 6071
B Start of 1st Flow - 6023
C End of 1st Flow - 6045
D End of 1st Shutin - 6188
E Start of 2nd Flow - 6220

Q Final Hydrostatic - 6792

ALPINE

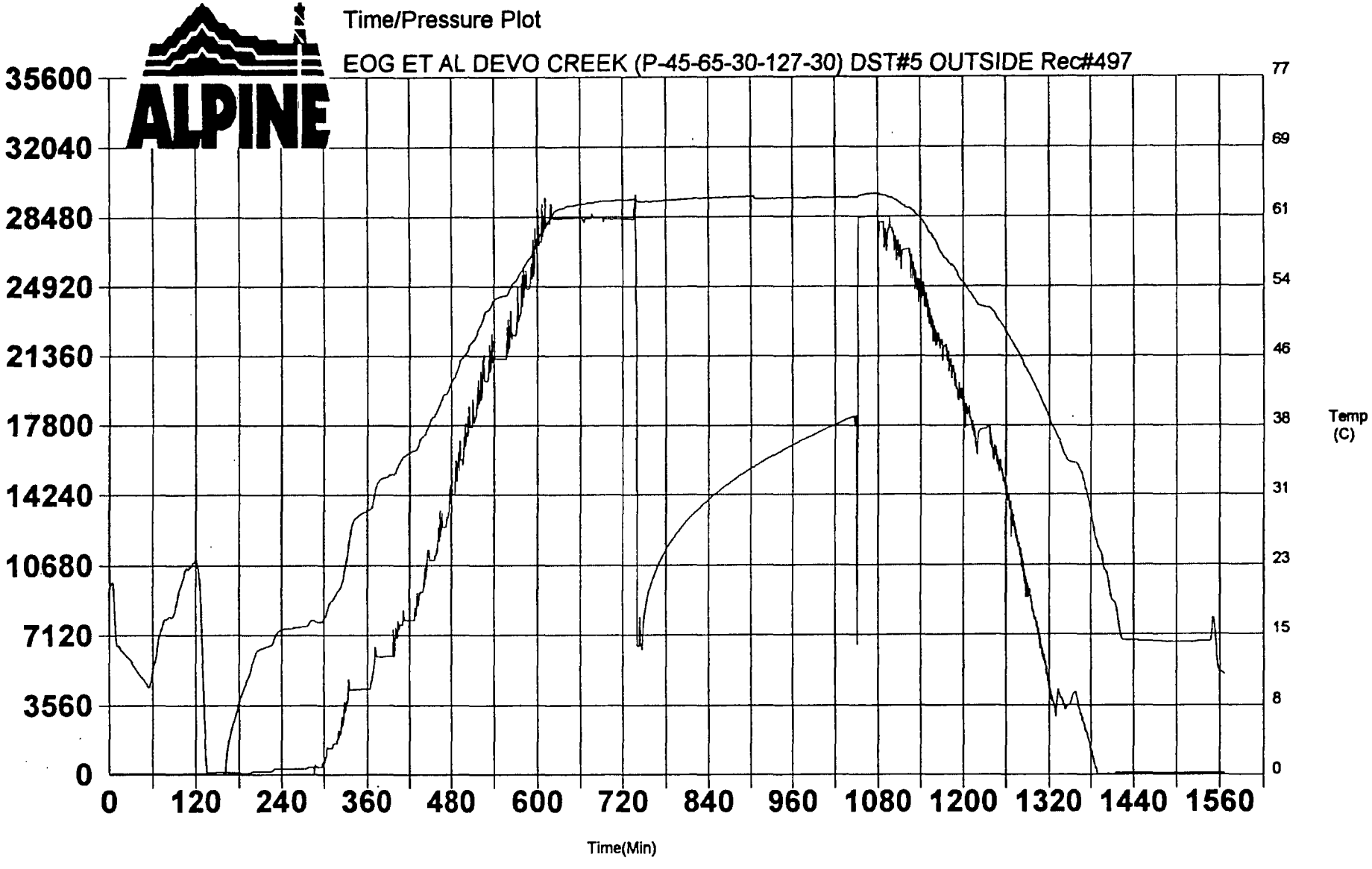
Time/Pressure Plot

EOG ET AL DEVO CREEK (P-45-65-30-127-30) DST#5 INSIDE Rec#409



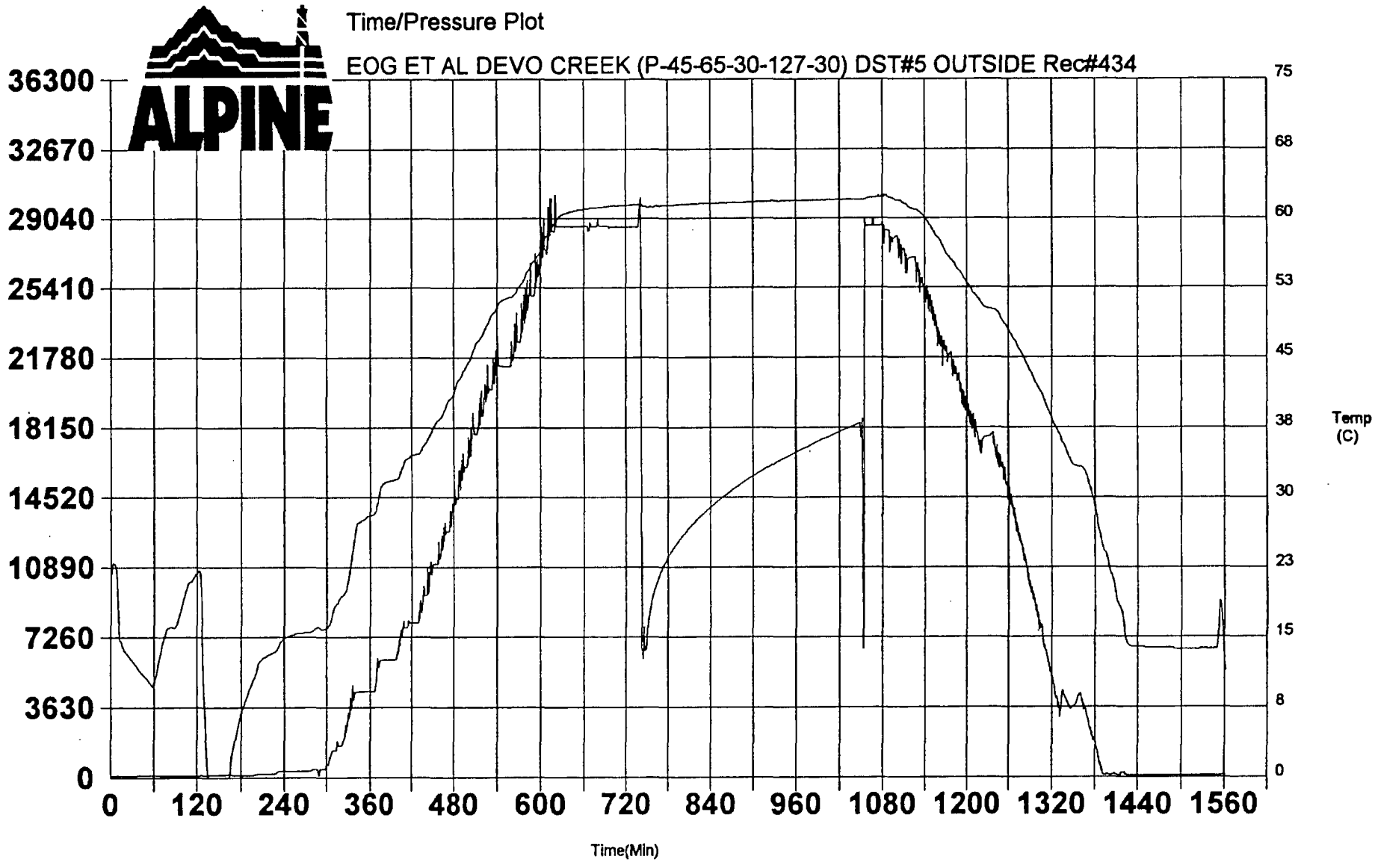
A Initial Hydrostatic - 28262
B Start of 1st Flow - 6286
C End of 1st Flow - 5983
D End of 1st Shutin - 18090
E Start of 2nd Flow - 6350

Q Final Hydrostatic - 28062



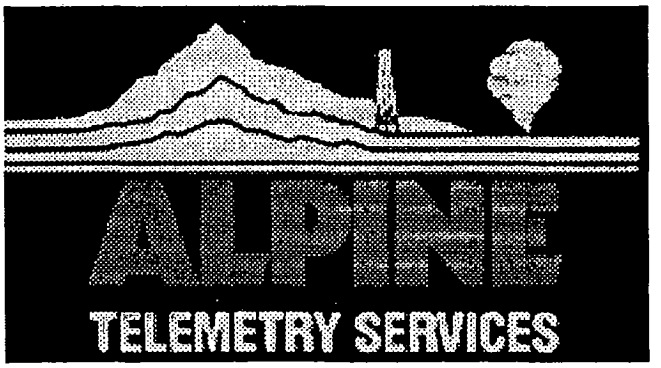
A Initial Hydrostatic - 28379
B Start of 1st Flow - 6553
C End of 1st Flow - 6361
D End of 1st Shutin - 18280
E Start of 2nd Flow - 6603

Q Final Hydrostatic - 28198



A Initial Hydrostatic - 28577
B Start of 1st Flow - 6583
C End of 1st Flow - 6592
D End of 1st Shutin - 18396
E Start of 2nd Flow - 6640

Q Final Hydrostatic - 28386



Real Time Test Report

Prepared for: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Well Name: EOG ET AL DEVO CREEK
Location: P-45-65-30-127-30

Test Date: 03/09/2002

Job Ticket #: T4-1847 DST#: 5

Real Time Testing Report

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: T4-1847 DST#: 5
Test Date: 03/09/2002 1200hrs

Well Name: EOG ET AL DEVO CREEK
Location: P-45-65-30-127-30

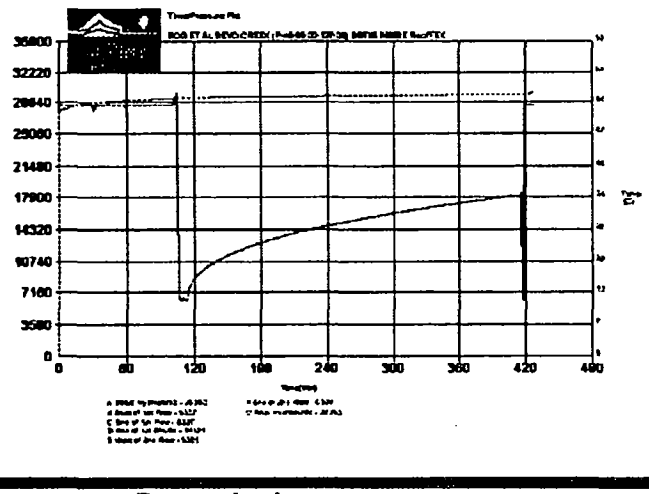
General Information:

Test Type:	DUAL INFLATE STRADDLE	Tester:	D. RICALTON
Interval:	2299m -2326m	Truck No.:	C-CAN
Formation:	MOUNT CAP	Contractor:	AKITA DRILLING
KB Elevation:	166.20m	Rig No.:	51
Ground Elevation:	160.00m	Hole Diameter:	159mm
Total Depth:	2600.00m	Hole Condition:	POOR
Test Mode:	Gas	Bottom Hole Temperature:	62.40 C

Telemetry Recorder Information:

INSIDE
Recorder #: FEK Depth: 2285.53 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	28302.0
B Start of 1st Flow	0.00	6327.1
C End of 1st Flow	7.08	6327.1
D End of 1st Shutin	299.94	18120.6
E Start of 2nd Flow	0.00	6391.4
F End of 2nd Flow	1.08	6393.8
Q Final Hydrostatic	0.00	28362.6



Test Run Information:

Start Time:	1200hrs
Reached Test Depth:	2230hrs
Pull Out Time:	530hrs
Tool Out Of Hole:	1200hrs
Water Loss:	8.50cm³
Mud Drop:	NO
VIS:	120.00S/L
Filter Cake:	0.00mm
Pump Time:	30min
Reversed Out:	NO
Mud Type:	SALT SATURATED
Mud Weight:	1270.00kg/m³
Amount of fill:	0.00m
Amount of cushion:	600.00M
Type of cushion:	H20

General Remarks:

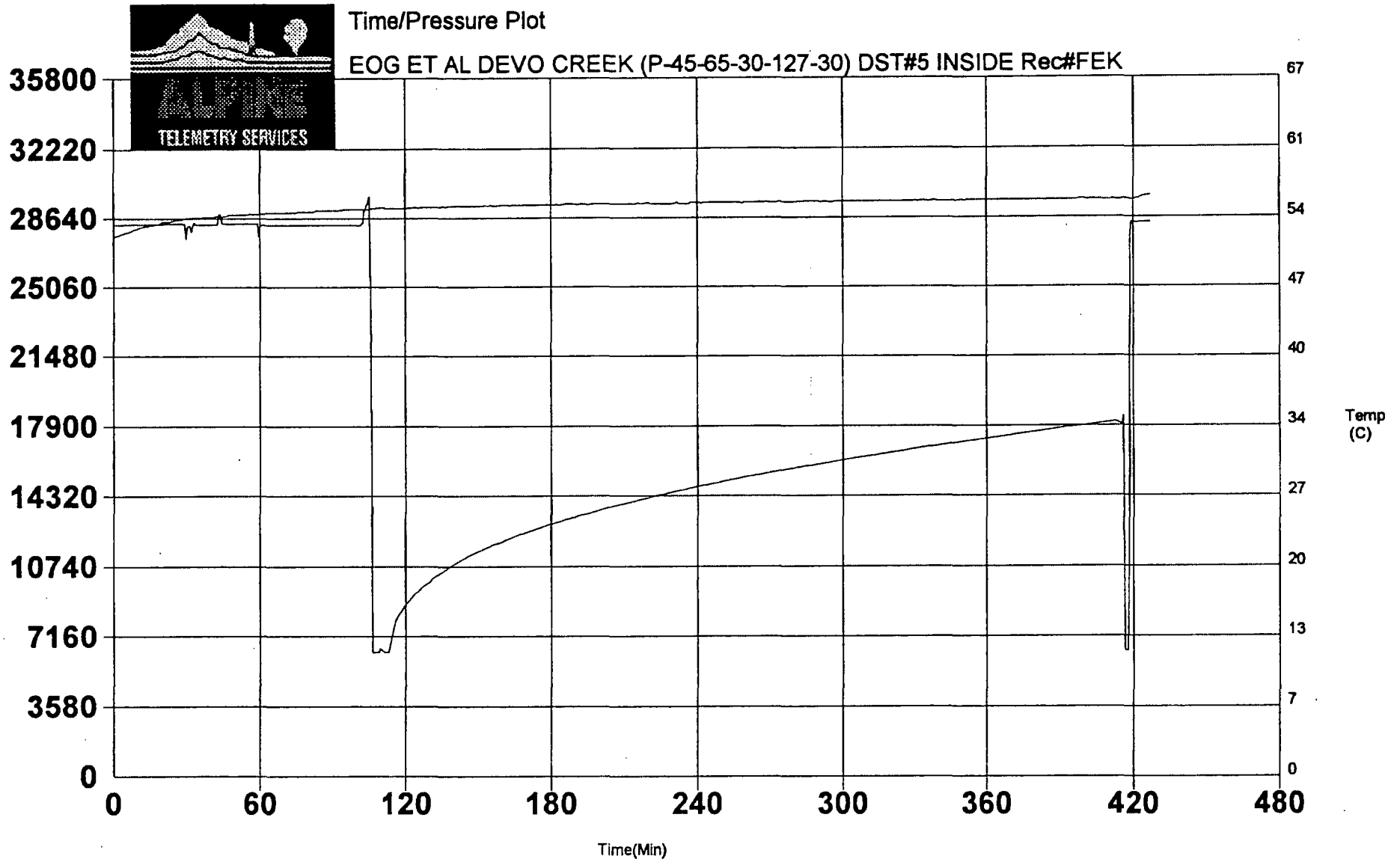
Mechanically successful. *Initial shutin pressures suggest very low permeability within the zone tested.

*** See enclosed Closed Chamber report for flow evaluation.

Packer seat was lost upon cycling tool for final flow.

Recovery Description:

Total fluid recovery was 2 meters drilling fluid.


ALPINE
TELEMETRY SERVICES
Time/Pressure Plot
EOG ET AL DEVO CREEK (P-45-65-30-127-30) DST#5 INSIDE Rec#FEK
35800
32220
28640
25060
21480
17900
14320
10740
7160
3580
0
67
61
54
47
40
34
27
20
13
7
0
Temp (C)
0
60
120
180
240
300
360
420
480
Time(Min)
A Initial Hydrostatic - 28302
B Start of 1st Flow - 6327
C End of 1st Flow - 6327
D End of 1st Shutin - 18121
E Start of 2nd Flow - 6391
F End of 2nd Flow - 6394
Q Final Hydrostatic - 28363

Drill Stem Testing Report

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-0823 DST#: 5
Test Date: 09/20/1902 1200hrs

Well Name: EOG ET AL DEVO CREEK

Location: P-45-65-30-127-30

General Information:

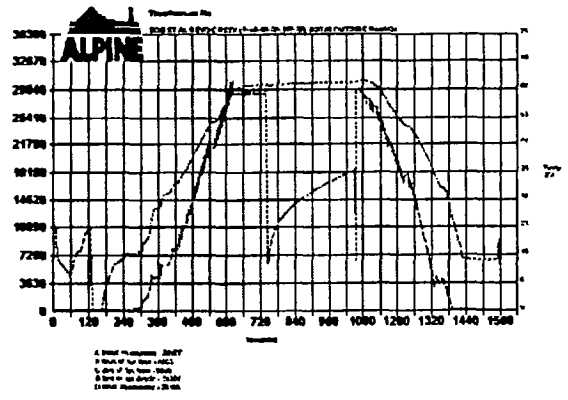
Test Type: DUAL INFLATE STRADDLE
Interval: 2298.50m - 2326.00m
Formation: MOUNT CAP
KB Elevation: 166.20m
Ground Elevation: 160.00m
Total Depth: 2600.00m
Test Mode: Gas

Tester: TROY McKENZIE
Truck No.: C-CAN
Contractor: AKITA DRILLING
Rig No.: 51
Hole Diameter: 159mm
Hole Condition: POOR
Bottom Hole Temperature: 56.00 C

Electronic Recorder Information:

OUTSIDE		FLUID	
Recorder #:	434	Recorder #:	461
Range:	105000 kPag	Range:	7000 kPag
Depth:	2300.00 m	Depth:	2274.00 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	28576.6
B Start of 1st Flow	0.00	6583.4
C End of 1st Flow	7.00	6591.5
D End of 1st Shutin	300.00	18395.7
Q Final Hydrostatic	0.00	28386.3



Test Run Information:

Start Time: 1200hrs
Reached Test Depth: 2230hrs
Pull Out Time: 530hrs
Tool Out Of Hole: 1200hrs

Weight set on Packers: 7000.00daN
Weight to free Packers: 8000.00daN
Initial String Weight: 42000.00daN
Unseated String Weight: 43000.00daN

Tool Chased Dist: 0.00m
Mud Type: SALT SATURATED
Mud Weight: 1270.00kg/m³
Amount of fill: 0.00m
Amt of cushion: 600.00M
Type of cushion: H20

Water Loss: 8.50cm³
Mud Drop: NO
VIS: 120.00S/L
Filter Cake: 0.00mm
Pump Time: 30min
Reversed Out: NO

General Remarks:

SEE CLOSED CHAMBER REPORT FOR FLOW DESCRIPTIONS.

LOST PACKER SEAT 3 MINUTES INTO VALVE OPEN. TOOLS WERE PULLED TO SURFACE TO FIND THE LOWER TOP PACKER AND THE BOTTOM PACKER BLOWN.

Recovery Description:

2 meters of drilling fluid were recovered at tool.

samplers were drained on location and both contained drilling fluid.

Gas Bomb: 0 Sampler: 2
Fluid Sample: 1 Sent to: AGAT LAB

Drill Stem Testing - Tool Diagram / Description

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: D3-0823 DST#: 5
Test Date: 09/20/1902 1200hrs

Well Name: EOG ET AL DEVO CREEK
Location: P-45-65-30-127-30

Inflate Straddle

Drill Collar Stands:	4
Drill Collar Singles:	0
Drill Pipe Stands:	115
Drill Pipe Singles:	0
Heavy Wt. Pipe Stands:	10
Heavy Wt. Pipe Singles:	0
Total Drill Collars/Pipe and Tools:	2302.43m
Total Drill Pipe Above K.B.:	3.93m
Total Depth:	2600m

Tool / Drill Stem Information:

Tool Weight:	4000.00	daN
Drill Collar Inside Diameter:	57.00	mm
Drill Collar Length:	76.70	m
Drill Pipe Inside Diameter:	84.84	mm
Drill Pipe Length:	2014.01	m
Heavy Weight Pipe Diameter:	70.00	mm
Heavy Weight Pipe Length:	184.12	m
Bottom Choke Diameter:	12.70	mm
Number of Packers: 3 Dia.:	139.00	mm

Tool Remarks:

-packer seat was lost 3 minutes into valve open.

-cushion was lost through pump out sub. no recovery. 1 sample of drilling fluid was caught at tool.



	Item	Length
	P.O. Sub	0.62
461	Fluid Rec 2273.15	1.63
	HMV Stroke	2.39
	Sampler	1.13
	Sampler	1.13
409	Inside Rec 2279.41	1.61
	Telemetry Tool	6.12
	Jars 2285.53	1.82
	Safety Joint	0.69
	Pump	2.04
	Screen	1.17
60.22m	Valve	2.23
	Deflate	0.84
	Packer	2.40
	Packer	1.78
	Stubb	0.62
	Flow Sub	0.59
434	K-3 Carrier	1.12
497	Drill Collar 2300.83	18.98
	Blank Spacing	4.67
	Bypass Receiver	0.86
	Stubb	0.62
	Packer	1.78
	Extension Sub	0.63
	Blank Off Sub	0.21
	Drag Spring	2.04

27.60m

Depth: 2299m

27.45m

Depth: 2326m

5.17m

Total Depth: 2600.00m

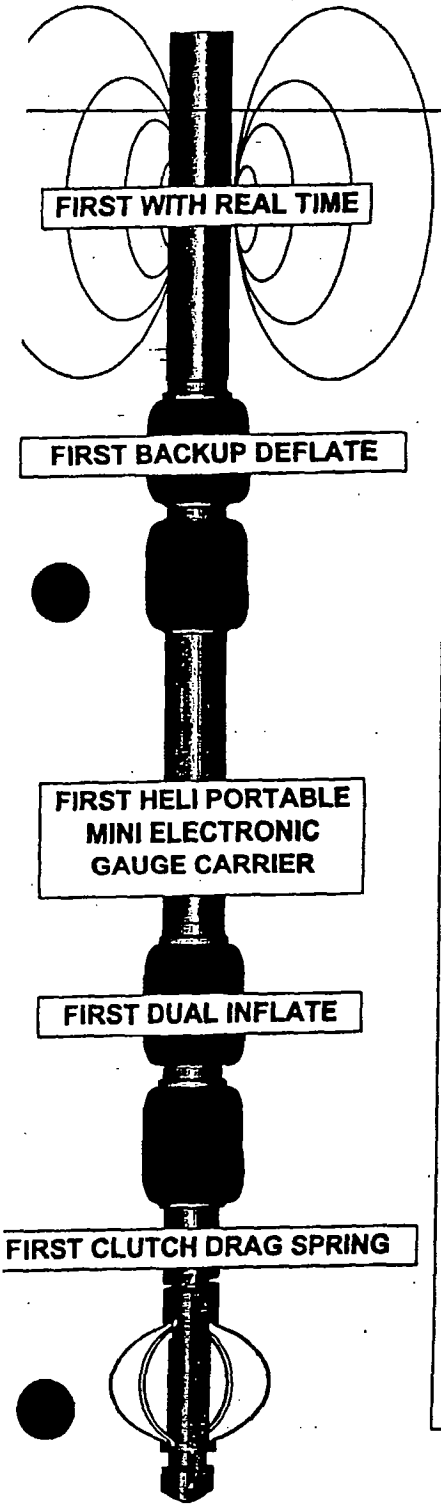
ALPINE TESTERS AND TELEMETRY SERVICES

FAX: (403) 237 - 7709

CALGARY, ALBERTA,
CANADA, T2P 4H4

QUALITY *REAL TIME* DST *

24 HOUR DISPATCH 1 – 800 – 866 - 1176



TO : E. O. G. DATE : MAR 12 2002

ATTN : KEN HADSON FROM : _____

FAX NUMBER : ~~297-4199~~ 298-9963 TOTAL PAGES : _____

RE : Test Prelim. EOG N.WT.
EOG et al DERO CREEK. P-45

MESSAGE : General Comments

1 : Permeability : VERY LOW (FROM 300 MIN. I.S.I.P.)

2 : Flow Periods : 7 MIN PRE FLOW 3 MIN FINAL FLOW

3 : Plugging : Yes (No)

4 : Depletion : Yes (No) Percent

5 : Damage : Aprox. NONE

6 : Other Comments : This zone is a very tight formation. My opinion test is very conclusive with the pressures we obtained. Thanks.

Ron Lindegaard

Real Time Testing Report

ALPINE TELEMETRY SERVICES

Company: EOG RESOURCES CANADA
1300, 700 - 9th Ave. S.W.
CALGARY, AB

Contact: KEN RAE

Job Ticket #: T4-1847 DST#: 5
Test Date: 03/09/2002 1200hrs

Well Name: EOG ET AL DEVO CREEK
Location: P-45-65-30-127-30

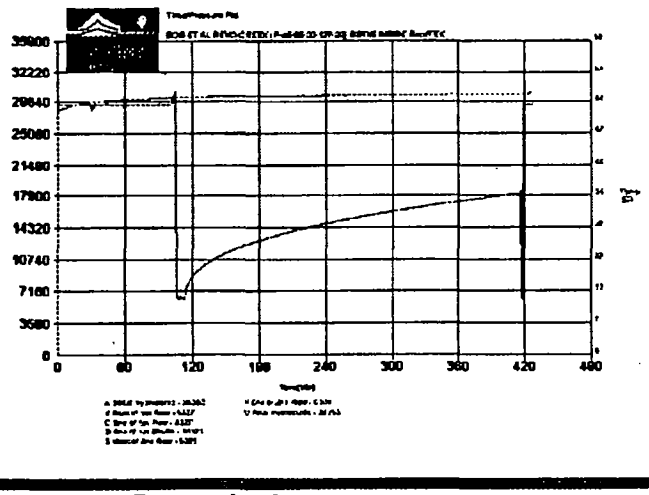
General Information:

Test Type:	INFLATE STRADDLE	Tester:	D. RICALTON
Interval:	2299m -2326m	Truck No.:	C-CAN
Formation:	MOUNT CAP	Contractor:	AKITA DRILLING
KB Elevation:	166.20m	Rig No.:	51
Ground Elevation:	160.00m	Hole Diameter:	159mm
Total Depth:	2600.00m	Hole Condition:	POOR
Test Mode:	Gas	Bottom Hole Temperature:	56.00 C

Telemetry Recorder Information:

INSIDE
Recorder #: FEK Depth: 2281.00 m

Flag Points:	Time:	Pressure:
A Initial Hydrostatic	0.00	28302.0
B Start of 1st Flow	0.00	6327.1
C End of 1st Flow	7.08	6327.1
D End of 1st Shutin	299.94	18120.6
E Start of 2nd Flow	0.00	6391.4
F End of 2nd Flow	1.08	6393.8
Q Final Hydrostatic	0.00	28362.6



Test Run Information:

Start Time:	1200hrs
Reached Test Depth:	2230hrs
Pull Out Time:	530hrs
Tool Out Of Hole:	1200hrs
Water Loss:	8.50cm³
Mud Drop:	NO
VIS:	120.00S/L
Filter Cake:	0.00mm
Pump Time:	30min
Reversed Out:	NO
Mud Type:	SALT SATURATED
Mud Weight:	1270.00kg/m³
Amount of fill:	0.00m
Amount of cushion:	600.00M
Type of cushion:	H20

General Remarks:

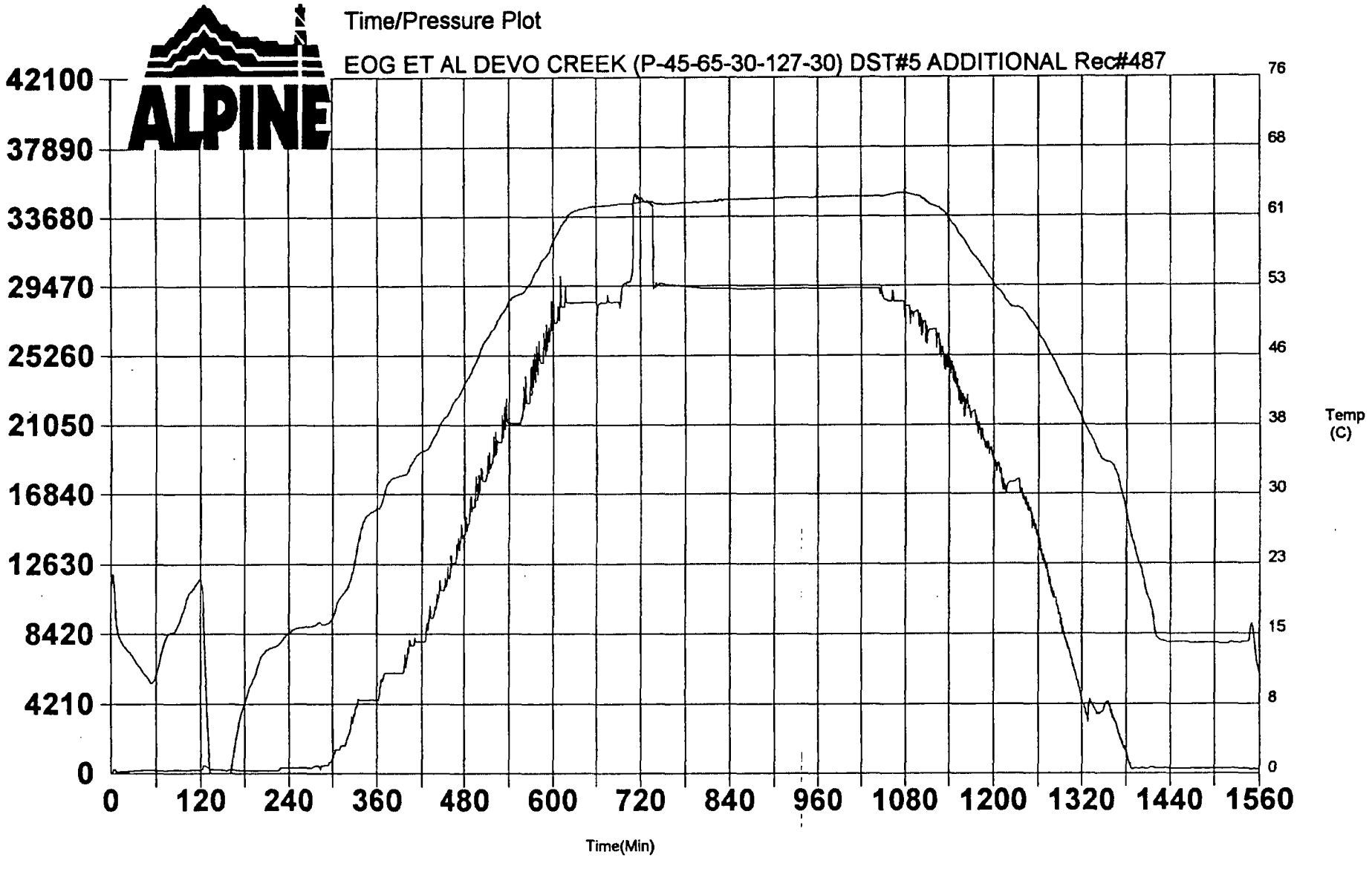
SEE CLOSED CHAMBER REPORT FOR FLOW DESCRIPTIONS

LIC. 1914

3 MINUTES INTO VALVE OPEN THE PACKER SEAT WAS LOST. TOOLS WERE PULLED TO SURFACE.

Recovery Description:

ESTIMATED RECOVERY IS 600 METERS OF WATER AND 20 METERS OF DRILLING FLUID.


ALPINE
Time/Pressure Plot
EOG ET AL DEVO CREEK (P-45-65-30-127-30) DST#5 ADDITIONAL Rec#487
42100
37890
33680
29470
25260
21050
16840
12630
8420
4210
0
76
68
61
53
46
38
30
23
15
8
0
Temp (C)
0
120
240
360
480
600
720
840
960
1080
1200
1320
1440
1560
Time(Min)

CORE ANALYSIS REPORT

FOR

EOG RESOURCES CANADA INC.

EOG ET AL DEVO CREEK P-45
P-45
DEVO CREEK

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 Canada Ltd.
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Calgary, Alberta, Canada T2E 7P7
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2002 03 07

EOG Resources Canada Inc.
1300, 700 - 9th Avenue SW
Calgary, AB T2P 3V4

Attention: Mr. Ken Hanson

Subject: EOG et al Devo Creek P-45
Our File Number: 52131-02-0025

Diamond coring equipment and water base mud were used to core the subject well. The core was boxed at the wellsite and transported to our Calgary laboratory for analysis.

Prior to analysis, the core was photographed and nine sets of ultraviolet light, 216 mm x 280 mm photographs were forwarded to your office.

Representative samples were selected on a lithological basis and analyzed as follows:

1. Full Diameter Analysis

   Four samples were cleaned in a vapour phase extractor using toluene and dried in a gravity oven. Porosity was determined by the Boyle's Law technique using helium as the gaseous medium. Permeability to air was measured in both horizontal (Kmax, K90) and vertical (Kv) directions.

2. Surface Gamma Ray and Bulk Density Index Correlation Curve.

The results of these analyses are reported in tabular and graphical form.

Samples outside the 95% confidence interval (3 standard deviations) on the Permeability X Porosity crossplots are identified by samples number(s). These samples were checked and re-analyzed to ensure data integrity. Specific comments regarding this Quality Assurance procedure are made in the Analytical Procedures and Quality Assurance section of this report.

As a guide to evaluation and correlation with other data, statistics and plots are also presented herein.

EOG Resources Canada Inc. 2002 03 07
Mr. Ken Hanson

The core material will be slabbed in accordance with government regulations and nine sets of white light, 216 mm x 280 mm photographs will be forwarded to your office under separate cover.

Thank you for the opportunity to be of service.

Yours truly,

CORE LABORATORIES CANADA LTD.

David J. Brooks
Supervisor, Routine Rock Properties

DJB/kam
enclosures

CORE LABORATORIES

Company : EOG RESOURCES CANADA INC.
Well : EOG ET AL DEVO CREEK P-45
Location : P-45
Province :

Field : DEVO CREEK
Formation : NOT SPECIFIED
Coring Equip.: DIAMOND
Coring Fluid : WATER BASE MUD

File No.: 52131-02-0025
Date : 2002-01-15
Analysts: DJB
Core Dia: 89 mm

CORE ANALYSIS RESULTS

SAMPLE NUMBER		DEPTH m	INTVL REP m	SAMPLE LENGTH m	PERMEABILITY (MAXIMUM) Kair mD	PERMEABILITY (90 DEG) Kair mD	PERMEABILITY (VERTICAL) Kair mD	CAPACITY (MAXIMUM) Kair mD-m	POROSITY (HELIUM) fraction	CAPACITY (HELIUM) ϕ-m	BULK DENSITY kg/m3	GRAIN DENSITY kg/m3	DESCRIPTION
CORE NO. 1 327.00 - 345.00 m (CORE RECEIVED 18.00 m) (13 BOXES)													
FD	1	327.00- 28.33	1.33	0.09	0.01	0.01	0.01	0.013	0.009	0.013	2660.	2680.	ls i sty
FD	2	328.33- 28.55	0.22	0.13	0.01	<.01	0.01	0.002	0.008	0.002	2670.	2690.	ls i vfrac
-		328.55- 32.55	4.00										ls
-		332.55- 36.90	4.35										ls
FD	3	336.90- 38.86	1.96	0.21	0.09	0.08	0.02	0.176	0.005	0.000	2680.	2690.	ls i sty
-		338.86- 43.72	4.86										ls
FD	4	343.72- 45.00	1.28	0.17	0.18	0.08	0.01	0.230	0.008	0.013	2680.	2700.	ls i frac



CODE KEY - DESCRIPTIONS

A = (Prefix A) Horizontal matrix permeability measured by pressure decay profile permeametry through a probe tip due to induced fractures	i = Intercrystalline	SPH = Humidity analysis of small plug sample at 60 degrees Celsius and 50 percent relative humidity
ACA = Removed for advanced core analysis	incl = Inclusions	
anhy = Anhydrite	lam = Laminae (laminated)	
arg = Argillaceous	ls = Limestone	SP = Small plug (sample drilled from core in maximum horizontal direction and parallel to bedding plane where possible) permeability, porosity and grain density are measured
AST = Appears similar to	lv = Large vug	
bit = Bitumen	m = Medium	
bk = Break	mi = Mud invaded	
c = Coarse	mv = Medium vug	
calc = Calcite (calcareous)	NA = Not analyzed by request	ss = Sandstone
carb = Carbonaceous	NP = No permeability measurement possible due to poor sample quality	ssdy = Slightly sandy (<20%)
cbl = Cobble		sshy = Slightly shaly (<20%)
cgl = Conglomerate	NR = Not received	sty = Stylolite (ic)
cht = Chert	ool = Oolitic	sulf = Sulphur
coal = Coal/coal inclusion	OB = Overburden sample (permeability and porosity measured at net overburden stress)	sv = Small vug
coq = Coquina		TEC = Thermal Extraction Chromatography to determine oil richness
dol = Dolomite	PR = Preserved for future studies	TS = Thin section
f = Fine	pbl = Pebble	uncon = Unconsolidated
FD = Full diameter analysis including three directional permeabilities, porosity and densities	PFD = Preliminary Full Diameter sample	vc = Very coarse
	PSP = Preliminary Small Plug sample	vfrac = Vertical fracture
	PSA = Particle size analysis	vf = Very fine
foss = Fossil (fossiliferous)	ppv = Pinpoint vug	VIS = Viscosity of oil measured
frac = Fracture (undifferentiated)	pyr = Pyrite (pyritic)	VOB = Vertical overburden sample (vertical permeability measured at net overburden stress)
fri = Friable	pyrbit = Pyrobitumen	
glauc = Glauconite (glauconitic)	ru = Rubble	
grnl = Granule	SA = Sieve analysis	vshy = Very shaly (>40%)
gyp = Gypsum	sdy = Sandy	VSP = Vertical small plug drilled from whole core to measure vertical permeability and occasionally porosity
hfrac = Horizontal fracture	SEM = Scanning electron microscope analysis	
hal = Halite (salt)	sh = Shale	
IFD Inner Full Diameter, (a Full diameter sample is drilled from the bulk portion of the core in the vertical direction for permeability and porosity measurements)	shy = Moderately shaly (20% - 40%)	vug = Vuggy (vuggular)
	sid = Siderite	ws = Water sand
	sltst = Siltstone	XRD = X-ray diffraction
	slty = Silty	* = Perm unavailable due to broken core
	SPT = Small Plug used for tracer analysis	10240 = Permeability >10 Darcies, (maximum routine permeability measurement)

CORE LABORATORIES

Company : EOG RESOURCES CANADA INC.
Well : EOG ET AL DEVO CREEK P-45

Field : DEVO CREEK
Formation : NOT SPECIFIED

File No.: 52131-02-0025
Date : 2002-01-15

TABLE I

SUMMARY OF CORE DATA

ZONE AND CUTOFF DATA

ZONE:
- Identification -------- NOT SPECIFIED
- Top Depth ---------- 327.00 m
- Bottom Depth ---------- 345.00 m
- Number of Samples -------- 4

DATA TYPE:
- Porosity ---------- (HELIUM)
- Permeability ---------- (MAXIMUM) Kair

CUTOFFS:

Porosity (Minimum) -------	0.000 frac
Porosity (Maximum) -------	1.000 frac
Permeability (Minimum) ---	0.0000 mD
Permeability (Maximum) ---	100000. mD
Water Saturation (Maximum)	-
Oil Saturation (Minimum) -	-
Grain Density (Minimum) --	2000. kg/m3
Grain Density (Maximum) --	3000. kg/m3
Lithology Excluded -------	NONE

CHARACTERISTICS REMAINING AFTER CUTOFFS

ZONE:

Number of Samples -----	4
Thickness Represented -	4.79 m

POROSITY:

Storage Capacity ------	0.034 ϕ-m
Arithmetic Average ----	0.007 frac
Minimum ----------	0.005 frac
Maximum ----------	0.009 frac
Median ----------	0.008 frac
Standard Deviation ----	±0.002 frac

GRAIN DENSITY:

Arithmetic Average ----	2690. kg/m3
Minimum ----------	2680. kg/m3
Maximum ----------	2700. kg/m3
Median ----------	2690. kg/m3
Standard Deviation ----	±8. kg/m3

PERMEABILITY:

Flow Capacity ---------	0.42 mD-m
Arithmetic Average ----	0.09 mD
Geometric Average -----	0.05 mD
Harmonic Average ------	0.03 mD
Minimum ----------	0.01 mD
Maximum ----------	0.18 mD
Median ----------	0.05 mD
Standard Dev. (Geom) --	$K \cdot 10^{\pm 0.680}$ mD

HETEROGENEITY (Permeability):

Dykstra-Parsons Var. --	0.805
Lorenz Coefficient ----	0.443

AVERAGE SATURATIONS (Pore Volume):

Oil ----------	-
Water ----------	-

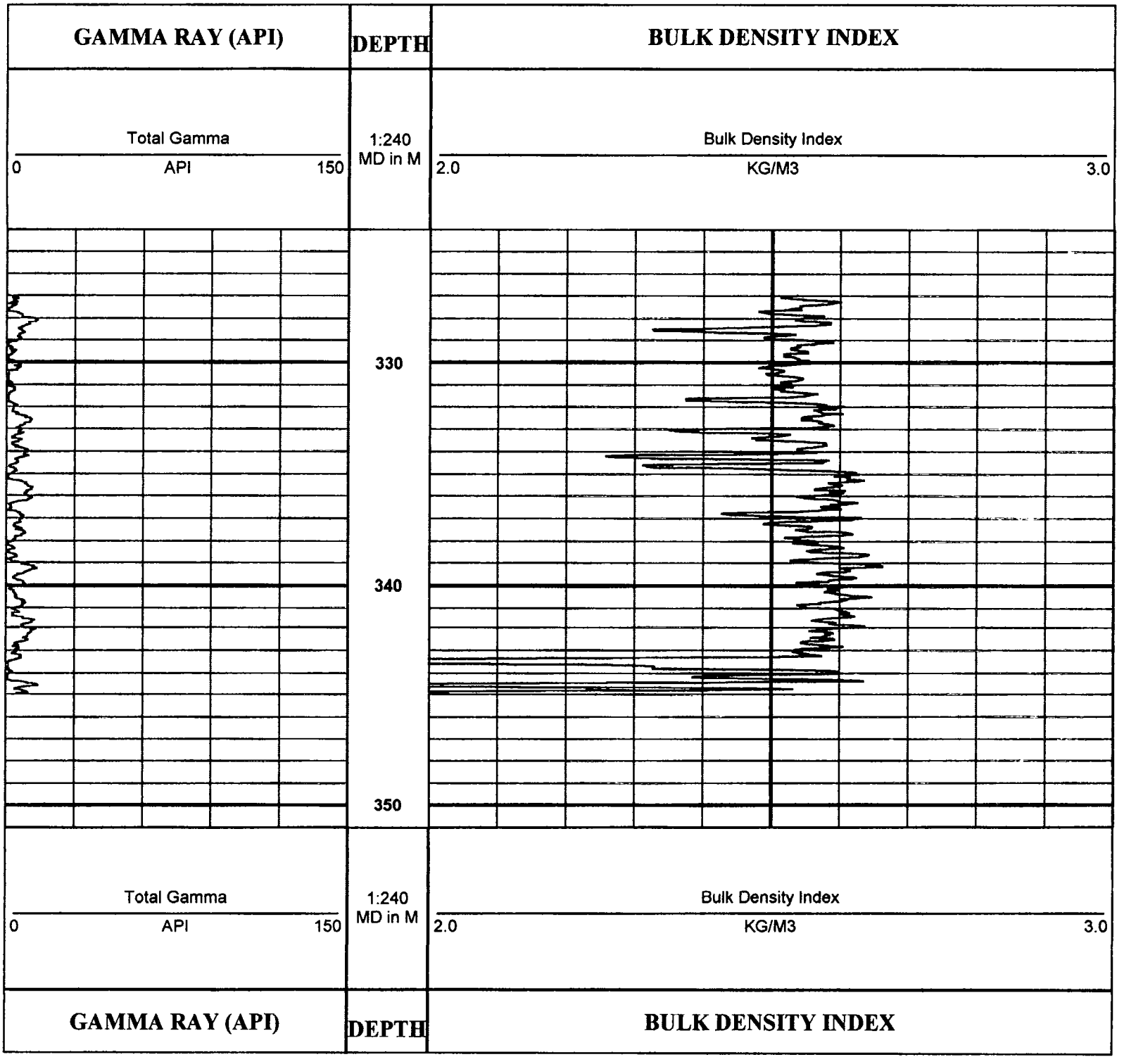
BULK DENSITY INDEX

EOG RESOURCES CANADA INC.
EOG ET AL DEVO CREEK P-45

(327.00 - 345.00 m)

10 cm - 24.0 m

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CORRELATION COREGRAPH

EOG RESOURCES CANADA INC.

EOG ET AL DEVO CREEK P-45

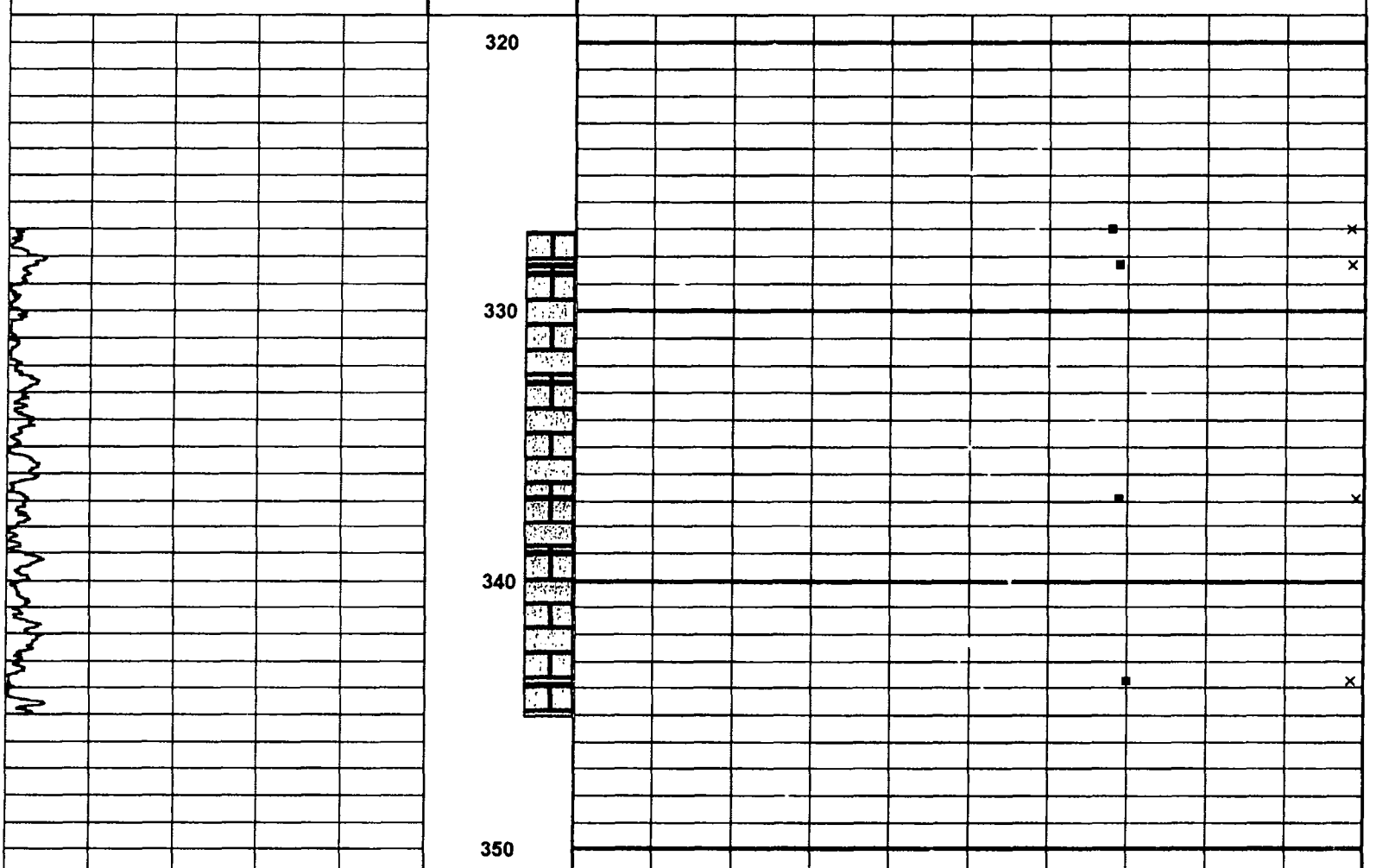
(327.00 - 345.00 m)
10 cm - 24.0 m

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Lithology

Limestone | Dolomite | Sandstone | Shale | Anhydrite
Conglomerate | Glauconite | Shaley Sandstone | Siltstone | Coal

GAMMA RAY (API)	DEPTH	POROSITY / GRAIN DENSITY
Total Gamma 0 API 150	1:240 MD in M	Porosity 0.5 FRACTION 0.0 Grain Density 2000 KG/M3 3000



Total Gamma 0 API 150	1:240 MD in M	Porosity 0.5 FRACTION 0.0 Grain Density 2000 KG/M3 3000

GAMMA RAY (API)	DEPTH	POROSITY / GRAIN DENSITY

CORRELATION COREGRAPH

EOG RESOURCES CANADA INC.

EOG ET AL DEVO CREEK P-45

(327.00 - 345.00 m)
10 cm - 24.0 m

Core Laboratories Canada Ltd.

