Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1076927

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9408
Name: Trans Pacific Oil Corporation
Address 1: 100 S MAIN STE 200
Address 2:
City: WICHITA State: KS Zip: 67202 + 3735
Contact Person: Glenna Lowe
Phone: (316) 262-3596
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Beth A. Isern
Purchaser: NCRA

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

12/16/2011	12/30/2011	01/17/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25331-00-00
Spot Description:
SE - SE - SE - NE Sec. 32 Twp. 17 S. R. 24 ☐ East ☑ West
2962 Feet from ☐ North / ☑ South Line of Section
315 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ness
Lease Name: MICHAELIS Well #: 2
Field Name: Keilman Southeast
Producing Formation: Cherokee
Elevation: Ground: 2328 Kelly Bushing: 2337
Total Vertical Depth: 4455 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 214 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 1574 Feet
If Alternate II completion, cement circulated from: 1574
feet depth to: 0 w/ 140 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 7000 ppm Fluid volume: 480 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 03/22/2012
☑ **Confidential Release Date:** 03/22/2014
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 03/23/2012

[redacted] 1076927

Operator Name: Trans Pacific Oil Corporation Lease Name: MICHAELIS Well #: 2

Sec. 32 Twp. 17 S. R. 24 ☐ East ☑ West County: Ness

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Dual Induction
Dual Compensated Porosity

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

See attached sheet

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	214	Common	150	3% cc, 2% gel
Production	7.875	4.5	10.5	4454	EA2	195	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
3	4313-4319		

TUBING RECORD: Size: 2.375 Set At: 4391 Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 01/17/2012

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	90	0	7		

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

March 21, 2012

Glenna Lowe
Trans Pacific Oil Corporation
100 S MAIN STE 200
WICHITA, KS 67202-3735

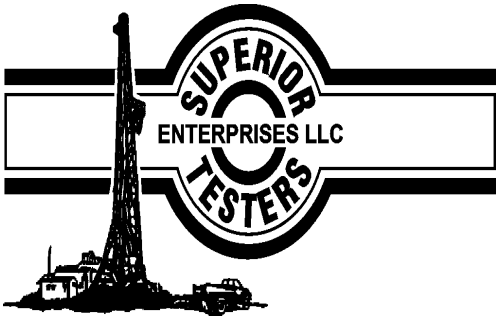
Re: ACO1
API 15-135-25331-00-00
MICHAELIS 2
NE/4 Sec.32-17S-24W
Ness County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Glenna Lowe



DRILL STEM TEST REPORT

Prepared For: **Trans Pacific Oil Corperation**

100 S Main
Suite 200
Wichita, Kansas 67202+3735

ATTN: Max Lovely

32/17S/24W/Ness

Michaelis #2

Start Date: 2011.12.27 @ 22:36:00
End Date: 2011.12.28 @ 05:56:00
Job Ticket #: 18812 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.12.28 @ 04:13:14

DRILL STEM TEST REPORT

Trans Pacific Oil Corperation

100 S Main
Suite 200
Wichita, Kansas 67202+3735
ATTN: Max Lovely

Michaelis #2

32/17S/24W/Ness

Job Ticket: 18812 **DST#: 1**

Test Start: 2011.12.27 @ 22:36:00

GENERAL INFORMATION:

Formation: **Fort Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:39:30
Time Test Ended: 05:56:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/148

Interval: 4219.00 ft (KB) To 4268.00 ft (KB) (TVD)
Total Depth: 4298.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

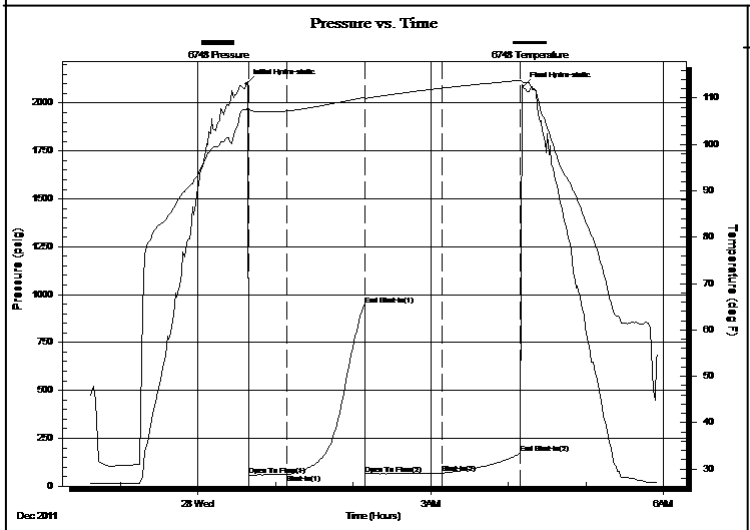
Reference Elevations: 2337.00 ft (KB)
2328.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6748 **Inside**

Press@RunDepth: 66.91 psig @ 4264.00 ft (KB)
Start Date: 2011.12.27 End Date: 2011.12.28
Start Time: 22:36:00 End Time: 05:56:00

Capacity: 5000.00 psig
Last Calib.: 2011.12.28
Time On Btm: 2011.12.28 @ 00:37:30
Time Off Btm: 2011.12.28 @ 04:11:30

TEST COMMENT:
1ST Open 30 Minutes/Weak blow /Blow built to 1 3/4 inches
1ST Shut In 60 Minutes/Fair surface blow back/Died in 9 minutes
2ND Open 60 Minutes/Weak blow /Blow built to 1 1/2 inches
2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.41	107.51	Initial Hydro-static
2	58.21	107.49	Open To Flow (1)
32	60.57	107.17	Shut-In(1)
92	945.87	110.10	End Shut-In(1)
92	64.44	109.90	Open To Flow (2)
151	66.91	112.11	Shut-In(2)
212	171.93	113.77	End Shut-In(2)
214	2088.02	113.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with show of oil in tool/ Mud 100%	0.22

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Trans Pacific Oil Corperation

100 S Main
Suite 200
Wichita, Kansas 67202+3735
ATTN: Max Lovely

Michaelis #2

32/17S/24W/Ness

Job Ticket: 18812 **DST#: 1**

Test Start: 2011.12.27 @ 22:36:00

GENERAL INFORMATION:

Formation: **Fort Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:39:30
Time Test Ended: 05:56:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/148

Interval: 4219.00 ft (KB) To 4268.00 ft (KB) (TVD)
Total Depth: 4298.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

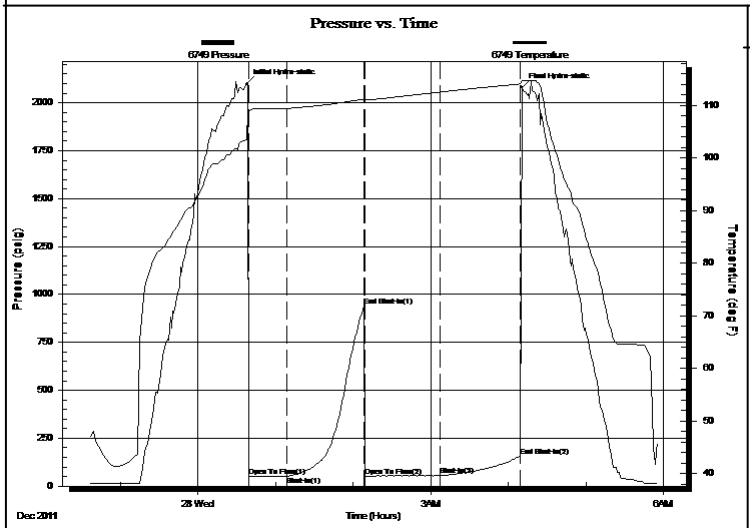
Reference Elevations: 2337.00 ft (KB)
2328.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6749 **Outside**

Press@RunDepth: 155.23 psig @ 4265.00 ft (KB)
Start Date: 2011.12.27 End Date: 2011.12.28
Start Time: 22:36:00 End Time: 05:55:30

Capacity: 5000.00 psig
Last Calib.: 2011.12.28
Time On Btm: 2011.12.28 @ 00:38:00
Time Off Btm: 2011.12.28 @ 04:10:30

TEST COMMENT:
1ST Open 30 Minutes/Weak blow /Blow built to 1 3/4 inches
1ST Shut In 60 Minutes/Fair surface blow back/Died in 9 minutes
2ND Open 60 Minutes/Weak blow /Blow built to 1 1/2 inches
2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.49	104.81	Initial Hydro-static
2	49.57	108.79	Open To Flow (1)
31	52.16	109.46	Shut-In(1)
91	940.08	111.24	End Shut-In(1)
92	53.22	111.05	Open To Flow (2)
149	55.65	112.56	Shut-In(2)
212	155.23	114.12	End Shut-In(2)
213	2080.37	114.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud with show of oil in tool/ Mud 100%	0.22

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Trans Pacific Oil Corperation

100 S Main
Suite 200
Wichita, Kansas 67202+3735
ATTN: Max Lovely

Michaelis #2

32/17S/24W/Ness

Job Ticket: 18812 **DST#: 1**

Test Start: 2011.12.27 @ 22:36:00

Tool Information

Drill Pipe:	Length:	4219.00 ft	Diameter:	3.88	inches	Volume:	61.70	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
						Total Volume:	61.70	bbl	

Drill Pipe Above KB:	20.00 ft
Depth to Top Packer:	4219.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	49.00 ft
Tool Length:	69.00 ft
Number of Packers:	1
Diameter:	6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		60000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	52000.00 lb
	Final	52000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-in tool	5.00			4204.00		
Hydrolic Tool	5.00			4209.00		
Packer	5.00			4214.00	20.00	Bottom Of Top Packer
Packer	5.00			4219.00		
Anchor	44.00			4263.00		
Recorder	1.00	6748	Inside	4264.00		
Recorder	1.00	6749	Outside	4265.00		
Bull plug	3.00			4268.00	49.00	Bottom Packers & Anchor
Total Tool Length:	**69.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Trans Pacific Oil Corperation

100 S Main
Suite 200
Wichita, Kansas 67202+3735
ATTN: Max Lovely

Michaelis #2

32/17S/24W/Ness

Job Ticket: 18812 **DST#: 1**

Test Start: 2011.12.27 @ 22:36:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	95.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

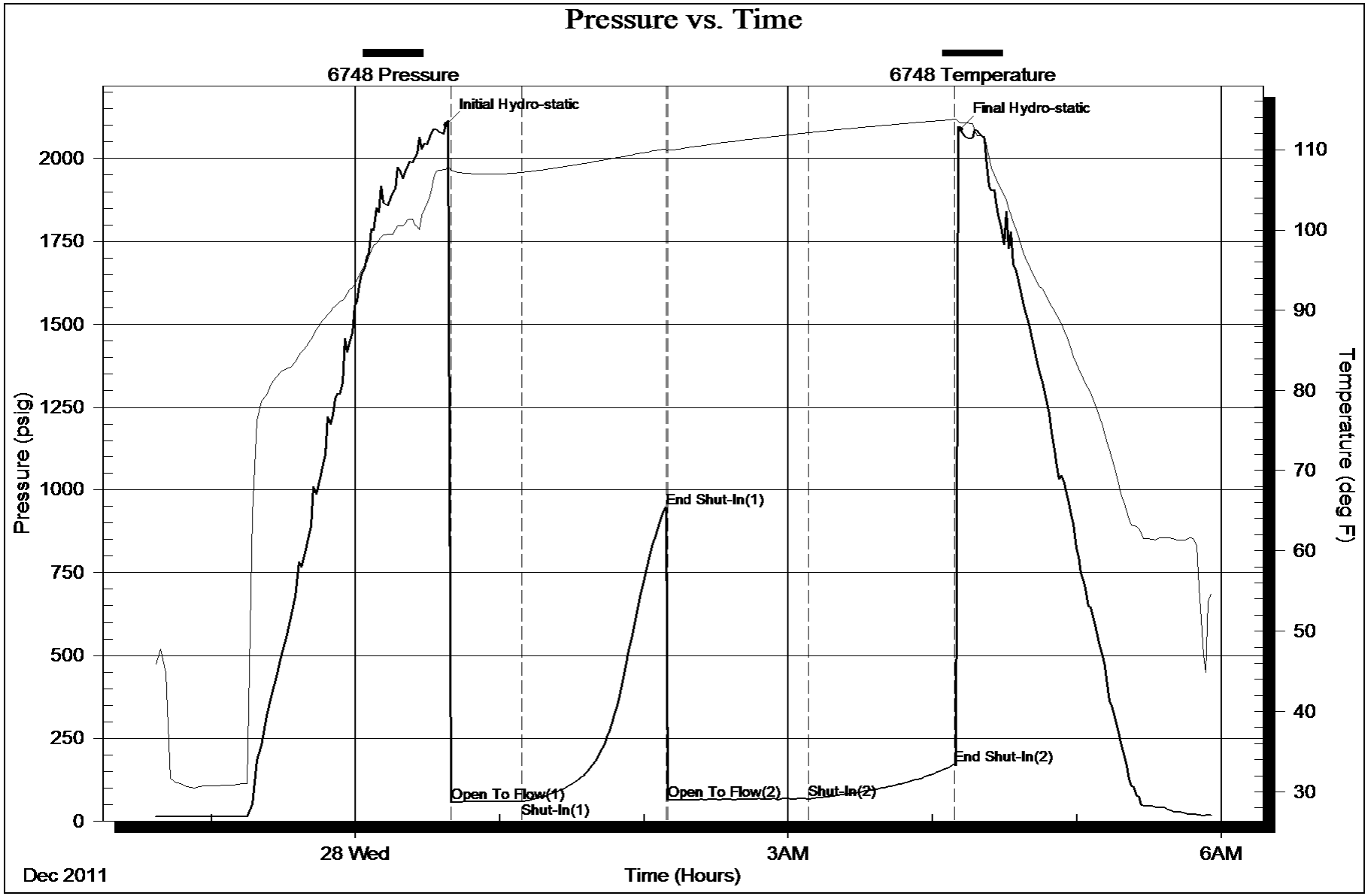
Recovery Table

Length ft	Description	Volume bbl
15.00	Mud with show of oil in tool/ Mud 100%	0.219

Total Length: 15.00 ft Total Volume: 0.219 bbl

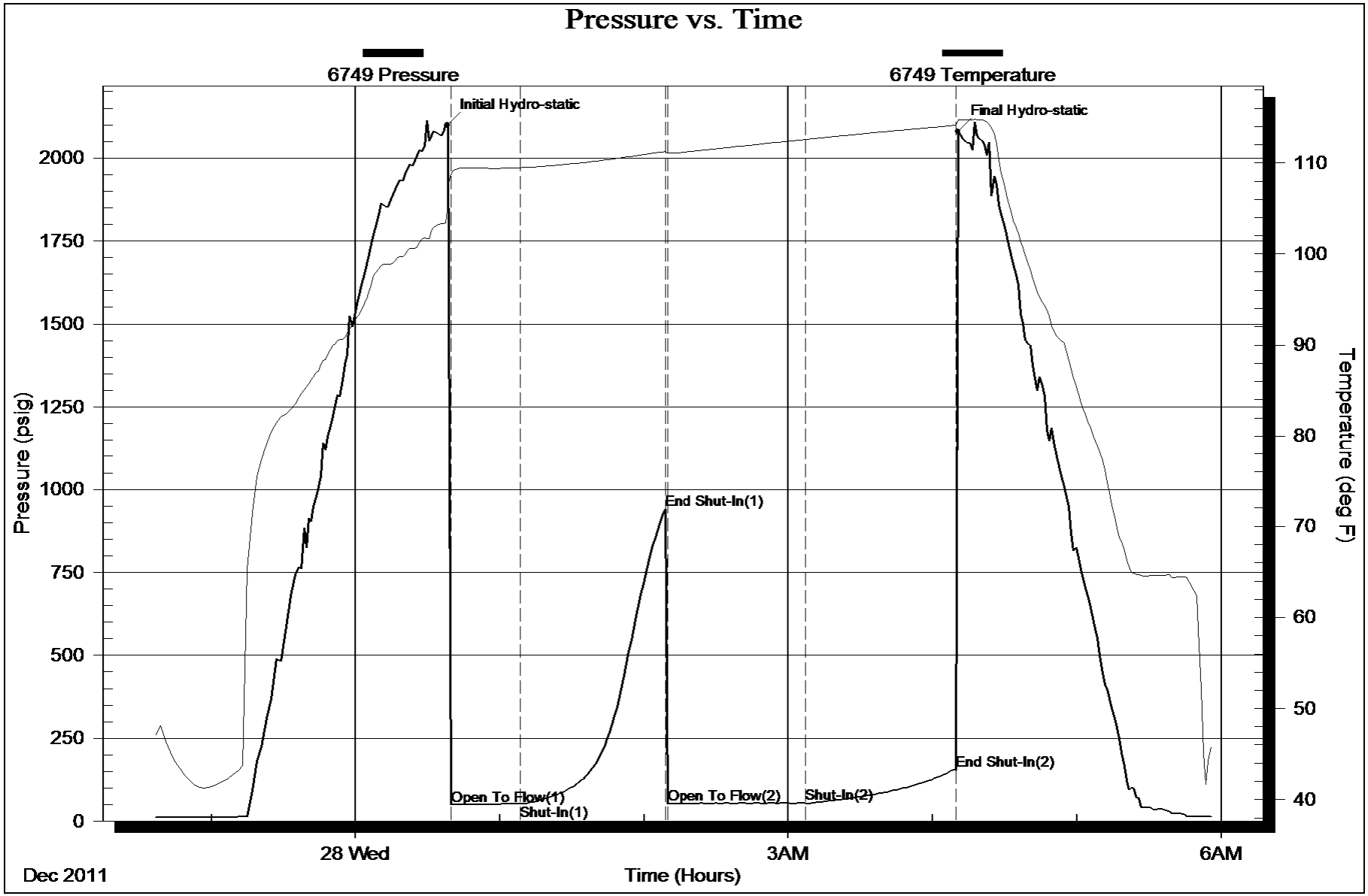
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6748 **Inside** Trans Pacific Oil Corperation 32/17S/24W/Ness DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 18812 Printed: 2011.12.28 @ 04:13:15

Serial #: 6749 **Outside** Trans Pacific Oil Corperation 32/17S/24W/Ness DST Test Number: 1



Superior Testers Enterprises LLC Ref. No: 18812 Printed: 2011.12.28 @ 04:13:16

DRILL STEM TEST REPORT

Prepared For: **Trans Pacific Oil Corperation**

100 S Main
Suite 200
Wichita, Kansas 67202+3735

ATTN: Max Lovely

32/17S/24W/Ness

Michaelis #2

Start Date: 2011.12.28 @ 16:28:00
End Date: 2011.12.29 @ 01:33:00
Job Ticket #: 18813 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.12.29 @ 00:01:57

DRILL STEM TEST REPORT

Trans Pacific Oil Corperation

100 S Main
Suite 200
Wichita, Kansas 67202+3735
ATTN: Max Lovely

Michaelis #2

32/17S/24W/Ness

Job Ticket: 18813 **DST#: 2**

Test Start: 2011.12.28 @ 16:28:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:26:30
Time Test Ended: 01:33:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/148

Interval: 4281.00 ft (KB) To 4319.00 ft (KB) (TVD)
Total Depth: 4319.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

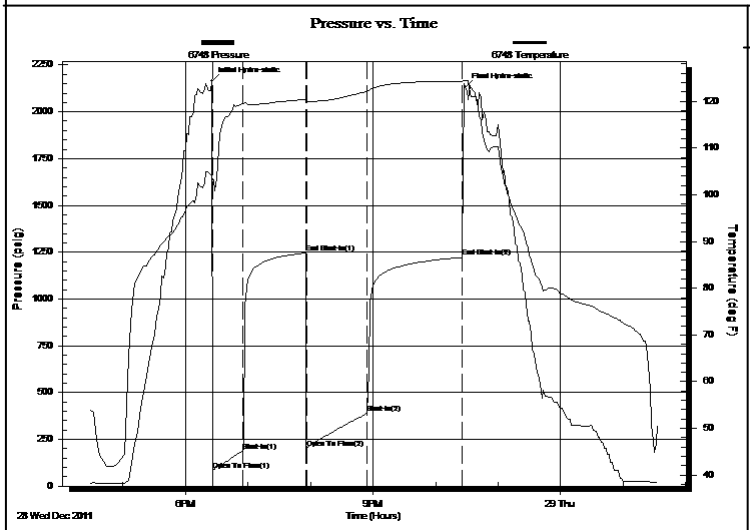
Reference Elevations: 2337.00 ft (KB)
2328.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6748 **Inside**

Press@RunDepth: 388.80 psig @ 4315.00 ft (KB)
Start Date: 2011.12.28 End Date: 2011.12.29
Start Time: 16:28:00 End Time: 01:33:00

Capacity: 5000.00 psig
Last Calib.: 2011.12.28
Time On Btm: 2011.12.28 @ 18:25:30
Time Off Btm: 2011.12.28 @ 22:28:30

TEST COMMENT:
1ST Open 30 Minutes/Good blow /Blow to bottom of bucket in 6 minutes
1ST Shut In 60 Minutes/Blow back built to 3 1/2 inches
2ND Open 60 Minutes/Good blow /Blow to bottom of bucket in 7 minutes
2ND Shut In 90 Minutes/Blow back built just below surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.68	104.08	Initial Hydro-static
1	83.48	103.28	Open To Flow (1)
30	188.08	119.57	Shut-In(1)
90	1244.88	120.37	End Shut-In(1)
91	201.96	120.06	Open To Flow (2)
149	388.80	122.18	Shut-In(2)
241	1222.41	124.29	End Shut-In(2)
243	2130.20	124.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	180 feet Gas in pipe 100%	0.00
732.00	Clean Gassy Oil	10.70
0.00	Gas 20% Oil 80%	0.00
180.00	Oil cut Gassy Mud	2.63
0.00	Oil 10% Gas 25% Mud 65%	0.00
0.00	Corrected Gravity of oil 38	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Trans Pacific Oil Corperation

100 S Main
Suite 200
Wichita, Kansas 67202+3735
ATTN: Max Lovely

Michaelis #2

32/17S/24W/Ness

Job Ticket: 18813 **DST#: 2**

Test Start: 2011.12.28 @ 16:28:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:26:30
Time Test Ended: 01:33:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 3325 Great Bend/148

Interval: 4281.00 ft (KB) To 4319.00 ft (KB) (TVD)
Total Depth: 4319.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

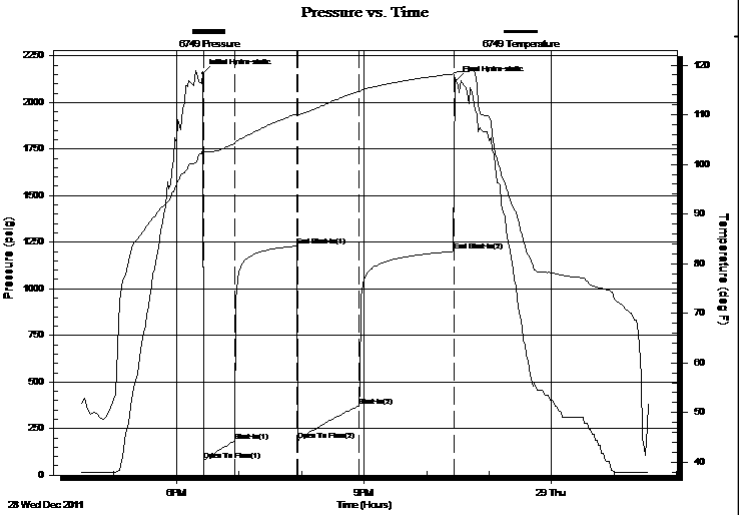
Reference Elevations: 2337.00 ft (KB)
2328.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6749 **Outside**

Press@RunDepth: 1200.87 psig @ 4316.00 ft (KB)
Start Date: 2011.12.28 End Date: 2011.12.29
Start Time: 16:28:00 End Time: 01:33:00

Capacity: 5000.00 psig
Last Calib.: 2011.12.28
Time On Btm: 2011.12.28 @ 18:25:30
Time Off Btm: 2011.12.28 @ 22:28:00

TEST COMMENT:
1ST Open 30 Minutes/Good blow /Blow to bottom of bucket in 6 minutes
1ST Shut In 60 Minutes/Blow back built to 3 1/2 inches
2ND Open 60 Minutes/Good blow /Blow to bottom of bucket in 7 minutes
2ND Shut In 90 Minutes/Blow back built just below surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.01	103.19	Initial Hydro-static
1	76.79	102.63	Open To Flow (1)
30	183.23	104.21	Shut-In(1)
90	1229.61	110.14	End Shut-In(1)
91	188.24	109.98	Open To Flow (2)
150	372.09	114.65	Shut-In(2)
241	1200.87	118.25	End Shut-In(2)
243	2116.96	118.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	180 feet Gas in pipe 100%	0.00
732.00	Clean Gassy Oil	10.70
0.00	Gas 20% Oil 80%	0.00
180.00	Oil cut Gassy Mud	2.63
0.00	Oil 10% Gas 25% Mud 65%	0.00
0.00	Corrected Gravity of oil 38	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

Trans Pacific Oil Corperation

100 S Main
Suite 200
Wichita, Kansas 67202+3735
ATTN: Max Lovely

Michaelis #2

32/17S/24W/Ness

Job Ticket: 18813 **DST#: 2**

Test Start: 2011.12.28 @ 16:28:00

Tool Information

Drill Pipe:	Length:	4284.00 ft	Diameter:	3.88	inches	Volume:	62.65	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
						Total Volume:	62.65	bbl	

Drill Pipe Above KB:	32.00 ft
Depth to Top Packer:	4281.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	38.00 ft
Tool Length:	67.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		60000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	53000.00 lb
	Final	56000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-in tool	5.00			4257.00		
Hydrolic tool	5.00			4262.00		
Change over sub	1.00			4263.00		
Jars	6.00			4269.00		
Safety Joint	2.00			4271.00		
Packer	5.00			4276.00	29.00	Bottom Of Top Packer
Packer	5.00			4281.00		
Anchor	33.00			4314.00		
Recorder	1.00	6748	Inside	4315.00		
Recorder	1.00	6749	Outside	4316.00		
Bullnose	3.00			4319.00	38.00	Bottom Packers & Anchor
Total Tool Length:	**67.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Trans Pacific Oil Corperation

100 S Main
Suite 200
Wichita, Kansas 67202+3735
ATTN: Max Lovely

Michaelis #2

32/17S/24W/Ness

Job Ticket: 18813 **DST#: 2**

Test Start: 2011.12.28 @ 16:28:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	7.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

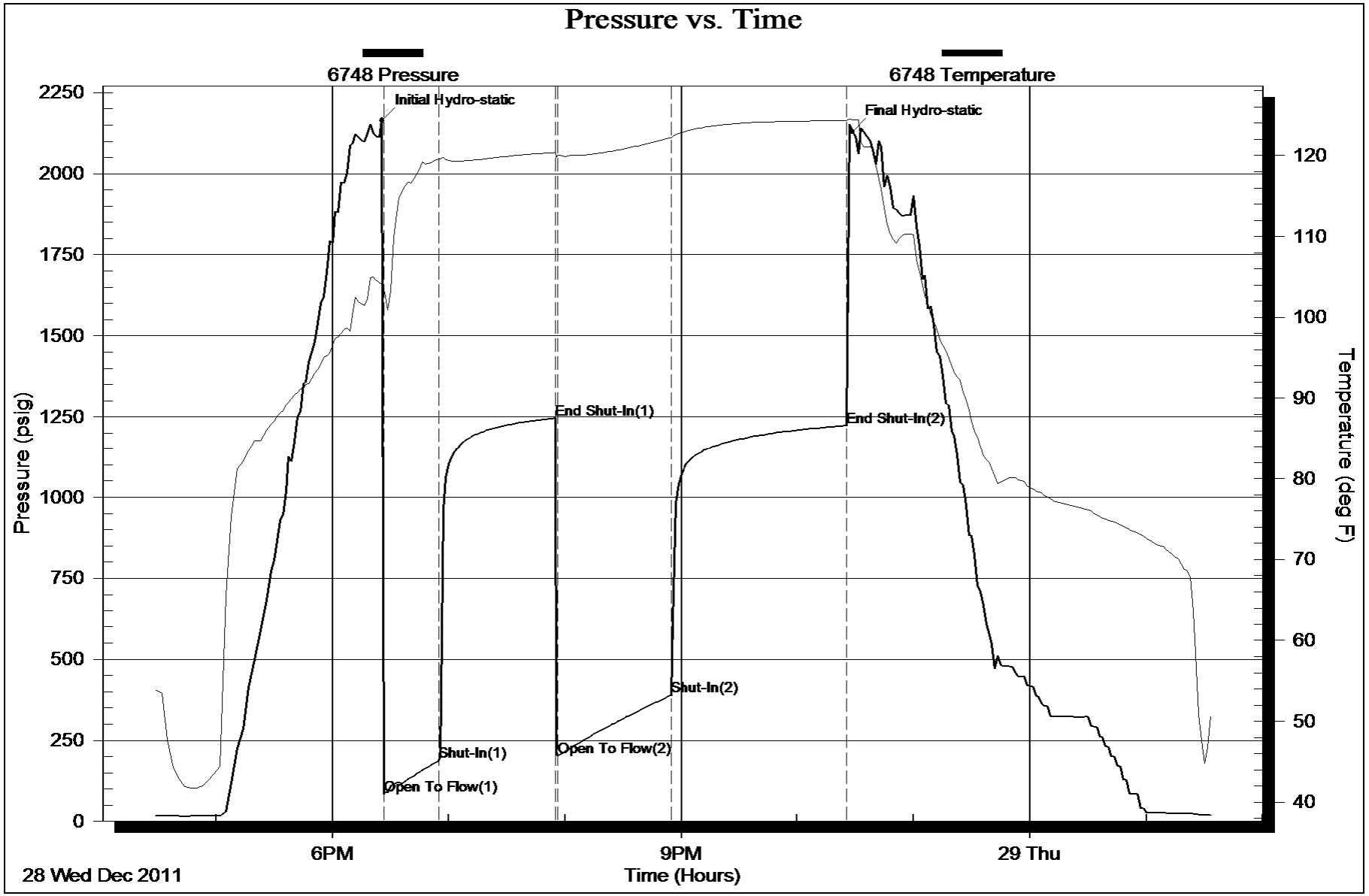
Recovery Table

Length ft	Description	Volume bbl
0.00	180 feet Gas in pipe 100%	0.000
732.00	Clean Gassy Oil	10.705
0.00	Gas 20% Oil 80%	0.000
180.00	Oil cut Gassy Mud	2.632
0.00	Oil 10% Gas 25% Mud 65%	0.000
0.00	Corrected Gravity of oil 38	0.000

Total Length: 912.00 ft Total Volume: 13.337 bbl

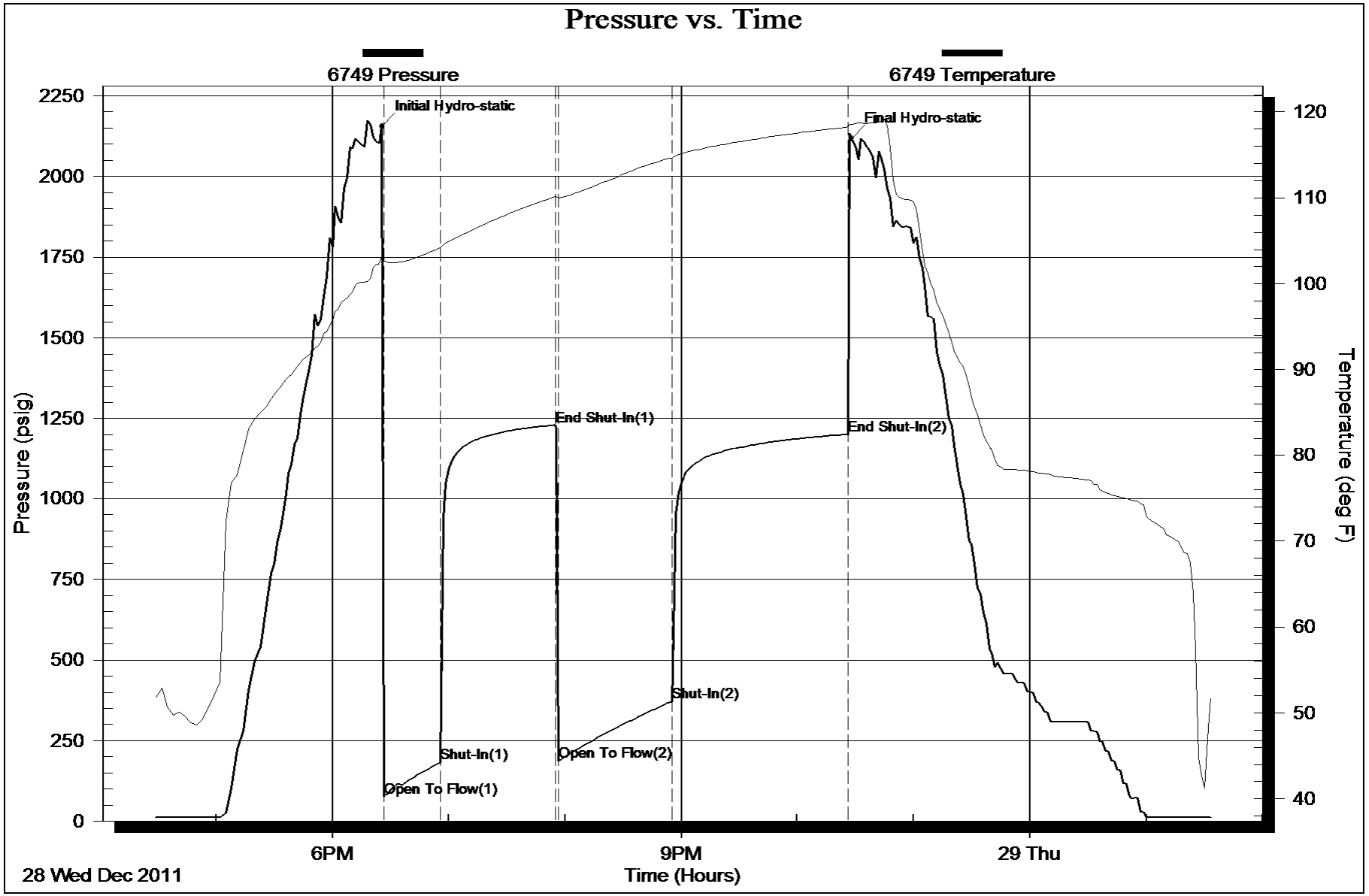
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6748 **Inside** Trans Pacific Oil Corperation 32/17S/24W/Ness DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 18813 Printed: 2011.12.29 @ 00:01:58

Serial #: 6749 **Outside** Trans Pacific Oil Corperation 32/17S/24W/Ness DST Test Number: 2



Superior Testers Enterprises LLC Ref. No: 18813 Printed: 2011.12.29 @ 00:01:59

Max R. Lovely

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Trans Pacific Oil
LEASE Michaelis #2
FIELD Kellman Southeast
LOCATION SE SE NE
SEC 32 TWSP 17 RGE 24W
COUNTY Ness STATE KS

ELEVATIONS
KB 2337
DF
GL 2328
Measurements Are All From KB

CONTRACTOR Duke Rig 4
SPUD 12-13-2011 COMP 12-29-2011
RTD 4455 LTD 4455
MUD UP 3450 TYPE MUD Chem

CASING
SURFACE 8 5/8 @ 214'
PRODUCTION 4 1/2

ELECTRICAL SURVEYS
Dual Induction
Comp. N/D

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION A	B	C
Anhydrite	1623	1621	716	709		
Base Anhydrite	1657	1654	683	673		
Heebner	3690	3688	-1351	-1359		
Lansing	3733	3731	-1394	-1402		
BKC	4026	4026	-1689	-1699		
Pawnee	4148	4149	-1812	-1822		
FT. Scott	4233	4232	-1895	-1908		
Cherokee SH	4260	4258	-1921	-1934		
Cherokee SD	4312	4311	-1974	-1991		
Chert	4360	4365	-2028	-2037		
Mississippi Dolo	4402	4401	-2064	-2081		

REFERENCE WELLS FOR STRUCTURE

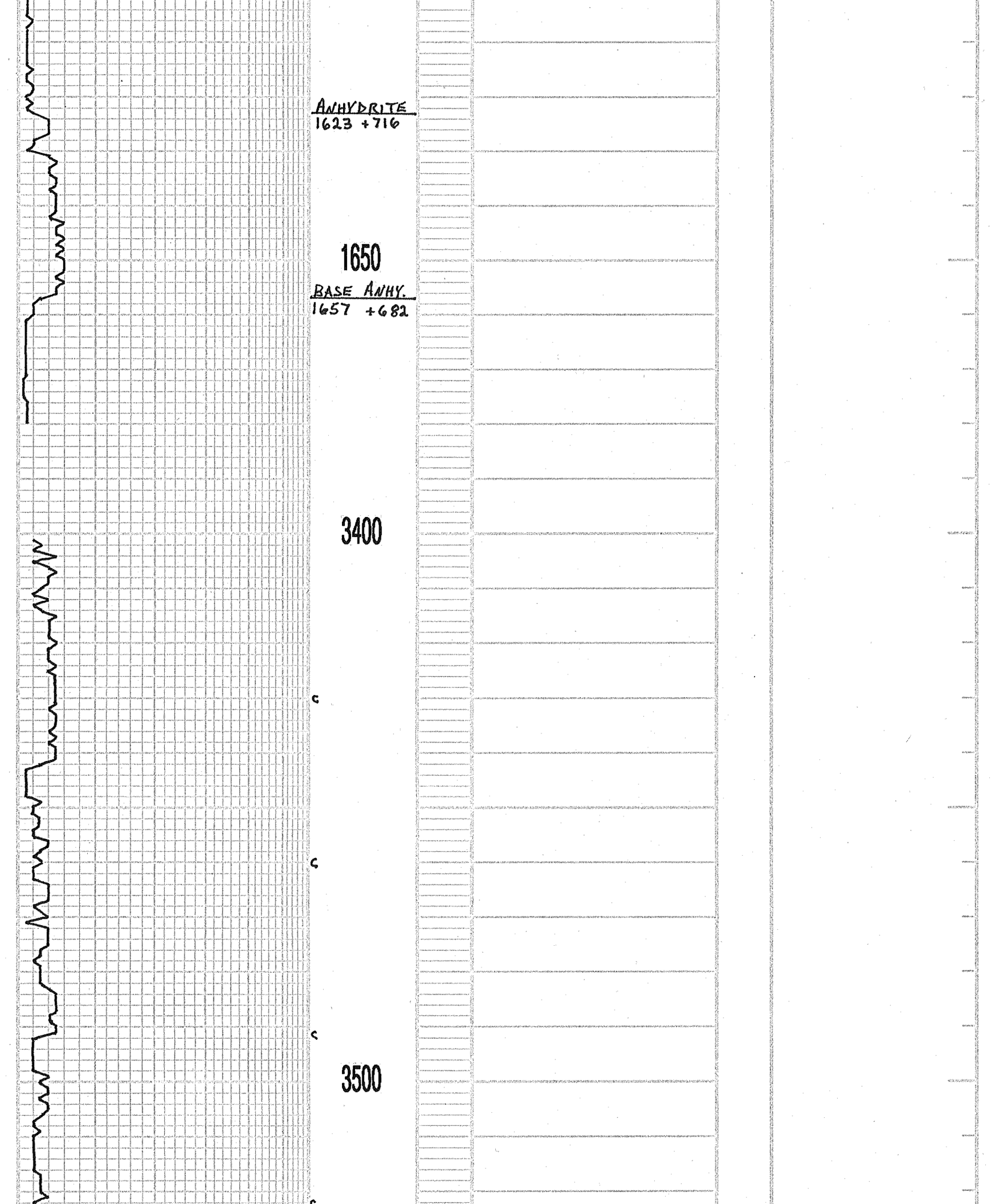
A Palamino #1 Minnie Rutnact 1940' FNL, 430' FWL 33-17-24W
B
C

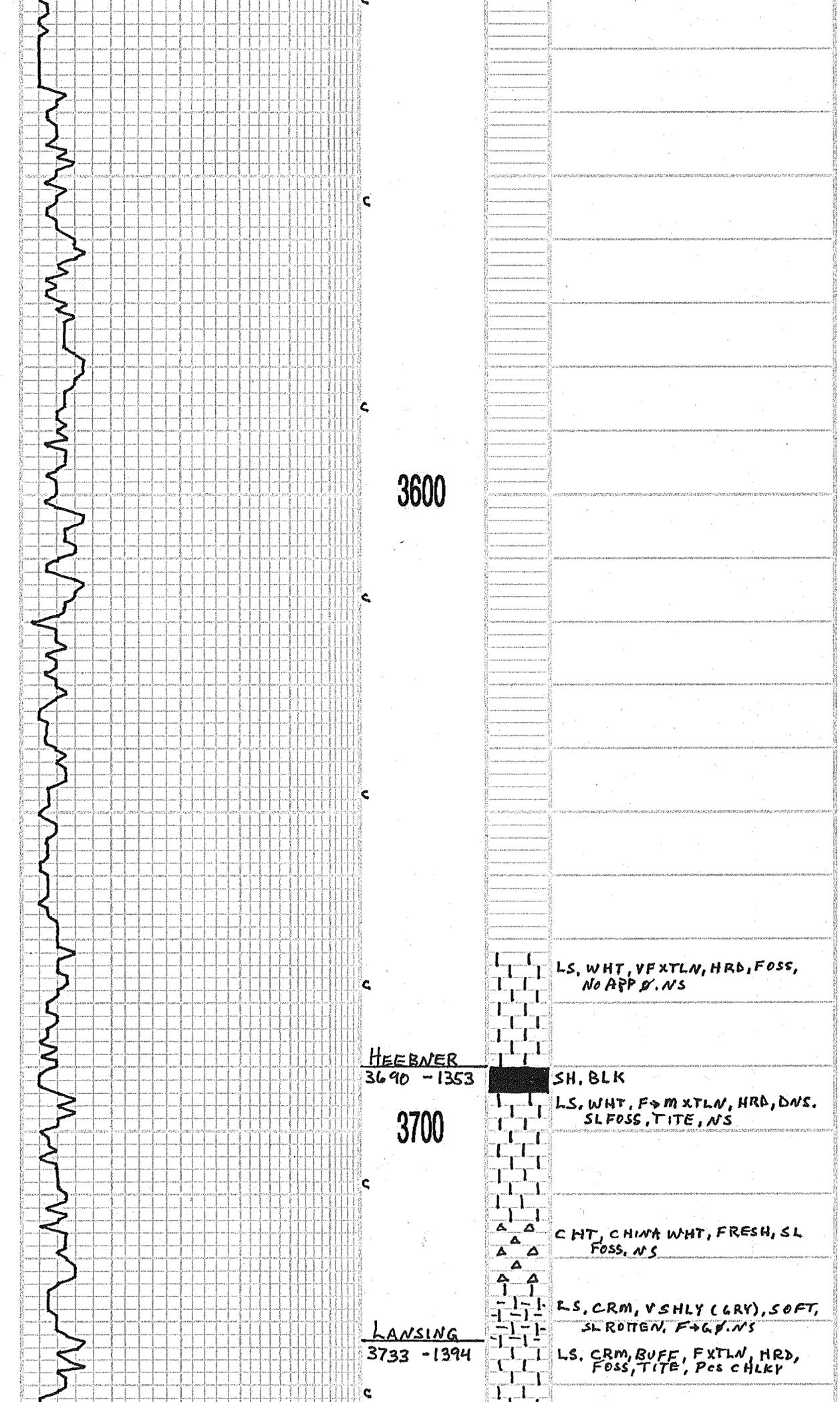
REMARKS

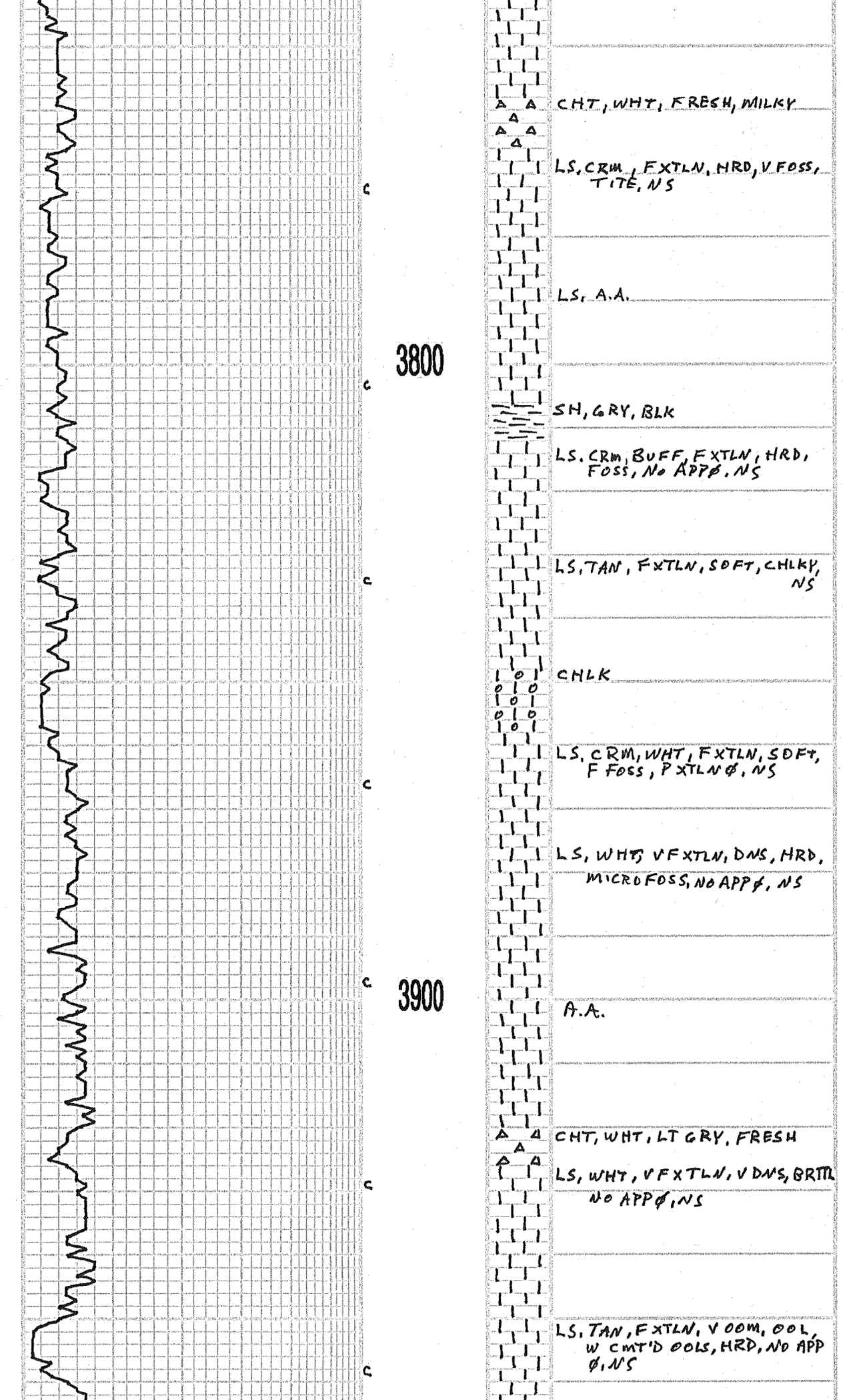
LEGEND

Anhydrite
Salt
Sandstone
Shale
Carb sh
Limestone
Ool.Lime
Chert
Dolomite

REMARKS | OIL SHOWS | SAMPLE DESCRIPTIONS | LITHOLOGY | DEPTH | DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases 5" 10" 15" 20" 25"


ANHYDRITE
1623 +716
1650
BASE ANHY.
1657 +682
3400
3500


3600
LS, WHT, VF XTLN, HRD, FOSS, NO APP Ø. NS
HEEBNER
3690 -1353
SH. BLK
LS. WHT, F→M XTLN, HRD, DNS. SL FOSS, TITE, NS
3700
C HT, C HINA WHT, FRESH, SL FOSS. NS
LS. CRM, V SHLY (GRY), SOFT, SL ROTTEN. F→G Ø. NS
LANSING
3733 -1394
LS. CRM, BUFF, F XTLN, HRD, FOSS, TITE, Pos C HLKY



CHT, WHT, FRESH, MILKY

LS, CRM, FXTLN, HRD, V FOSS, TITE, NS

LS, A.A.

SH, GRY, BLK

LS. CRM, BUFF, FXTLN, HRD, FOSS, No APPØ. NS

LS, TAN, FXTLN, SOFT, CHLKY, NS

CHLK

LS. CRM, WHT, FXTLN, SOFT, F FOSS, P XTLNØ, NS

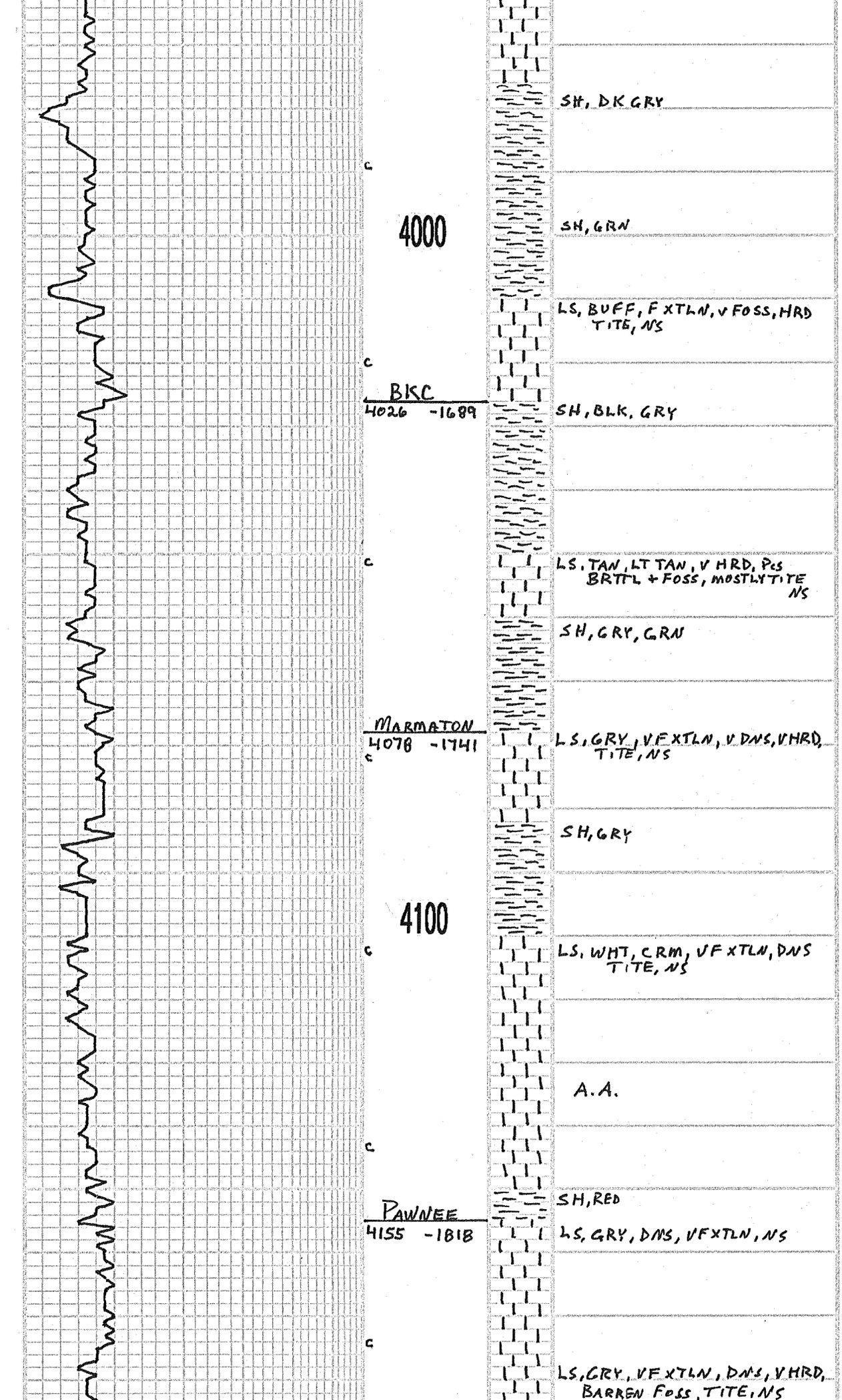
LS, WHT, VFXTLN, DNS, HRD, MICROFOSS, NO APPØ, NS

A.A.

CHT, WHT, LT GRY, FRESH

LS, WHT, VFXTLN, V DNS, BRTTL NO APPØ, NS

LS, TAN, FXTLN, V OOM, OOL, W CMT'D OOLS, HRD, NO APP Ø, NS


SH, DK GRY
4000
SH, GRN
LS, BUFF, F XTLN, v FOSS, HRD TITE, NS
BKC
4026 -1689
SH, BLK, GRY
LS. TAN, LT TAN, V HRD, Pcs BRTTL + FOSS, MOSTLY TITE NS
SH, GRY, GRN
MARMATON
4078 -1741
LS, GRY, VF XTLN, V DNS, V HRD, TITE, NS
SH, GRY
4100
LS. WHT, CRM, VF XTLN, DNS TITE, NS
A.A.
SH, RED
PAWNEE
4155 -1818
LS, GRY, DNS, VF XTLN, NS
LS, GRY, VF XTLN, DNS, V HRD, BARREN FOSS, TITE, NS

4200

LS, TAN, CRM, VF XTLN, DNS, HRD, Pcs DTY, NS

7:AM 12-27-11
RE-RIG TO DRILL
GEO ON LOC @ 4200' ~ 1:30 PM

MUD CHECK
VIS 95 WT 9.1
CHLOR 6,000 LCM 1
FILT 9.2

LS, LT GRY, DK GRY, VF XTLN, DNS, V HRD, NO FOSS, TITE NS

DST #1 4219-4268
30-60-60-60
IF: 1 3/4" ISI: F. SURF BLO DIED 9"
FF: 1½" FSI: No BLO
REC: 15' M, SHO O IN TOOL
FP: 58-60, 64-66
SIP: 945-171
HP: 2101-2088 113°

SH, GRY

FT SCOTT
4233 -1896

LS, CRM/WHT, VF XTLN, DNS, SL CHLKY, HVY FLUOR STNG, G FLUOR + LT BRN FO, TR GAS BBLS, G SCT VUG + INT XTLN Ø, HVY SHO IN CUP, TRAY DIRTY W/FO, V LT OIL, F→G BLEED OF VARI SIZE GSSY FO DROPS, HVY ODOR

LT BRN FO
HVY ODOR

LS, TAN, VF XTLN, V DNS, V HRD, SCT FOSS, TITE, NS

STRAP 4266.49
BOARD 4268.87
SHORT 2.38

CHEROKEE SH
4260 -1923

SH, GRY, DK GRY, BLK

CFS 45"
DEV 3/4°

SH, GRN

7:AM 12-28-11
GO IN HOLE FROM DST #1
MUD CHECK
VIS 70 WT 9.2
CHLOR 7,000 LCM 2
FILT 9.2

LS, WHT, F→M XTLN, M HRD, V FOSS, VARI SIZE FOSS, SL BRTTL, P XTLN Ø, NS

LS, CRM, BUFF, F XTLN, Pcs V DNS + V HRD, FEW FOSS, NO APP Ø, NS

VIS 58
WT 9.0

4300

DST #2 4281-4319
30-60-60-90
IF: BOB 6" ISI: 3½"
FF: BOB 7" FSI: below SURF
REC: 180' GIP
732' CGO 20%G, 80%O
180' OCGM 25%G, 10%O
FP: 83-188, 201-388
SIP: 1244-1222
HP: 2163-2130 124°
OIL 38° API

SH, GRY/GRN, CONGL GRNS W/IN

SS, WHT, GRY, V HRD, W CMT'D TITE

SH, A.A

CHEROKEE SD
4312 -1975

SS, FINE CLR SUB RND GRNS, WHT CMT, P CMT'D, W SORT, G→HVY FO ON BRK, Pcs LT GRN + NO CMT, TR GAS ON BRK, LT BRN→BRN FO, FEW DROPLETS IRREG SHAPE, VG FLUOR, SLO BLEED

LT ODOR IN CUP
HVY ODOR IN TRAY

CFS 60"

SS, LG GRNS, F SORT, SUB ANG, SHO GAS IN VG INT GRNLR Ø, LT BRN CMT, CLR GRNS, HVY SHO FO

HVY FLUOR STNG

CFS 60"

SS, LT BRN CMT, CR GRNS, G→W SORT, VG ODOR, G INT XTLN Ø, O SAT ROCK, G FO

O SAT
G FO

SS FLOOD

SS, WHT, VF GRNS, W SORT, SL FRIABLE, GRN STN'D CMT, SCT GRN GRNS, PYRITIC, SMELLS WET NS

CFS 60"

7:AM 12-29-11
CFS @ 4350'

MUD CHECK
VIS 51 WT 9.3
CHLOR 7,200 LCM 1
FILT 8.0

SH, LT GRN, SNDY

CHERT
c4360 -2023

CHT, WHT, GRY, TAN, CHINA WHT, V FRESH, Pcs OOLS W/IN SS GRNS CMT'D ON TOP SURFACE

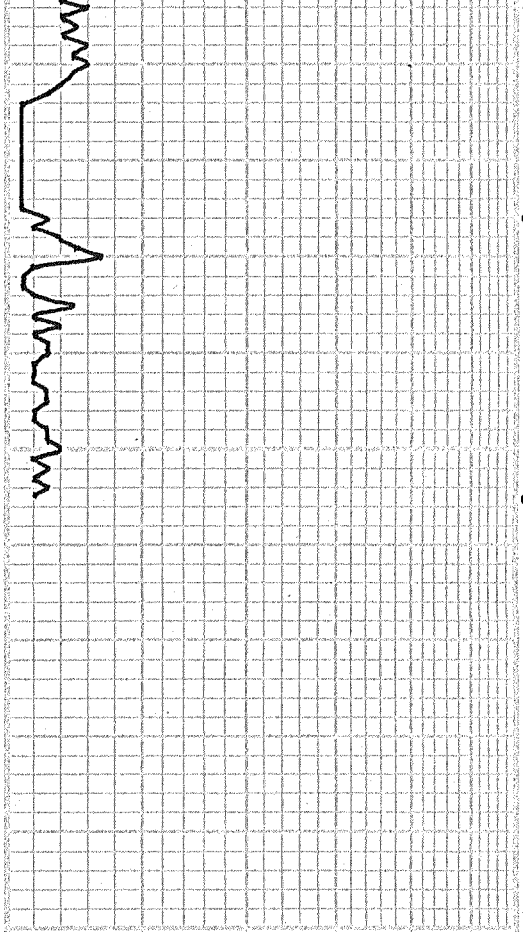
CHT, WHT, SL TRIP, DNS, HRD, Pcs V FOSS, NS

CFS 60"

CHT, WHT, GRY, OPAQ, No FOSS, NS

Miss Dolo

4400



4402 -2065

c

c DEV 3/4°

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

DOLO, BRN F XTLN, HRD

DOLO, TAN, VF XTLN, SCT VUG Ø, NO PERM, SOFT, SL GRNY, PCS SUCR, NS

DOLO, LT GRM, VF XTLN, DNS, TITE, NS

DOLO, WHT, V GRNLR, G XTLN Ø, SL, GRN STNG, NS

CHT FLOOD

OIL SHOWS

REMARKS

Well: Michaelis #2 ***STR***: 32-17S-24W ***Cty***: Ness ***State***: Kansas

LOG TOPS

Anhydrite	1621' (+716)	+7'
B/Anhydrite	1654' (+683)	+7'
Heebner	3688' (-1351)	+8'
Lansing	3731' (-1394)	+8'
Fort Scott	4232' (-1895)	+13'
Cherokee Shale	4258' (-1921)	+13'
Cherokee Sand	4311' (-1974)	+ 17'
Miss Dolomite	4401' (- 2064)	+17'
RTD	4455' (-2118)	

ALLIED CEMENTING CO., LLC. 042320

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend KS

DATE 12-16-11	SEC. 32	TWP. 17S	RANGE 24W	CALLED OUT	ON LOCATION	JOB START 6:45pm	JOB FINISH 7:15pm
LEASE Michaelis	WELL # 2		LOCATION Ness City 4west to N Rd N 6 1/4			COUNTY Ness	STATE KS
OLD OR NEW (Circle one)			miles West into				

CONTRACTOR Duke Drlg #4
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 216
CASING SIZE 8 5/8 24# DEPTH 214
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15ft
PERFS.
DISPLACEMENT Freshwater

OWNER Transpacific Oil

CEMENT
AMOUNT ORDERED 150sx com 3%cc 2% gel

EQUIPMENT

PUMP TRUCK CEMENTER Brad
398 HELPER Dustin C.
BULK TRUCK
344-170 DRIVER Kevin W.
BULK TRUCK
DRIVER Vince P.

COMMON	150	@ 16.25	2437.50
POZMIX		@	
GEL	3	@ 21.25	63.75
CHLORIDE	5	@ 58.20	291.00
ASC		@	
HANDLING	158	@ 2.25	355.50
MILEAGE	158 x 8 x .11		139.04
		TOTAL	3,286.79

REMARKS:
Pipe on bottom break circulation with rig mud. Hook up to cement pump mix 150 sx Com 3% cc. 2% gel. Shut down Release plug switch valves displace with 12.6 bbl Freshwater Cement did circulate

SERVICE

DEPTH OF JOB	214		
PUMP TRUCK CHARGE	0'-300'		1,125.00
EXTRA FOOTAGE		@	
MILEAGE	Hum-16 RT	@ 7.00	112.00
MANIFOLD		@	
LVM-16 RT		@ 4.00	64.00
		@	
		TOTAL	1,301.00

CHARGE TO: Transpacific Oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

Wooden plug 8 5/8		@ 92.00	92.00
		@	
		@	
		@	
		@	
		TOTAL	92.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES 4679.79
DISCOUNT 1055.95 IF PAID IN 30 DAYS
3,623.84

PRINTED NAME Rich Wheeler

SIGNATURE Rich Wheeler

RECEIVED

JOB LOG — SWIFT Services, Inc.

DATE 12-30-11 | PAGE NO.

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
Trans Pacific Oil Co.	#2	Michaelis	Longstring	20447

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	0600							on loc w/ FE
								4455' RTD, LTD
								4½" x 10.5# x 4498' x 20'
								Cent, 10 6, 1, 2, 3, 4, 5, 6, 7, 8, 64
								Bask 4, 64
								P.C. 65 @ 1578'
	0730							Start FE
	0930							Break Circ.
	1005	2.5	7					Plug RH 30 sks
	1010	4.5	0			150		Start Mudflush 500 gal
		4.5	12/0			150		Start KCL flush 20 bbl
	1017	5.5	20/0			200		Start Cement 195 sks EA-2
	1026		48					End Cement
								Wash Pit
								Drop L.D. Plug
	1030	6.5	0			150		Start Displacement
	1038	5	48			200		Catch Cement
	1043		70.5			600/1300		Land Plug
								Release Pressure
								Float Held
								Thank you
								Nick, Josh F. & David E.

JOB LOG

SWIFT Services, Inc.

DATE 5 JAN 12 | PAGE NO.

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
TRANS PACIFIC		MICHAELIS #2	CEMENT PORT COLLAR	21533

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
	@1000							ON LOCATION
								PORT COLLAR @ 1575
	1042				↘		1000	TEST HELD
	1044	3			↘		1000	OPEN PORT COLLAR TAKE INJECTION RATE
	1046	4	77½	↘		1000		MIX 140 SX. SMD
		3	5	↘		400		DISPLACE CEMENT
								CIRCULATE 20 SX TO SURFACE
	1110			↘		1000		CLOSE PORT COLLAR TEST HELD
	1117							RUN 4 JOINTS.
	1126	3	18		↘		300	REVERSE CEMENT OUT
	1134							WASH TRUCK
	1200							JOB COMPLETE.
								THANKS #110
								JASON JEFF DOUG

RECEIVED

BY _____