



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1071737
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1071737

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Trans Pacific Oil Corporation
Well Name	MUIR UNIT 1-13
Doc ID	1071737

All Electric Logs Run

Dual Induction
Micro
Sonic
Compensated Density/Neutron

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



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 12, 2012

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

Re: ACO1
API 15-163-23984-00-00
MUIR UNIT 1-13
SW/4 Sec.13-06S-18W
Rooks 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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Trans Pacific Oil Corporation

13-6s-18w-Rooks-KS

100 S Main STE #200
Wichita, KS
67202
ATTN: Wes Hansen

Muir Unit #1-13

Job Ticket: 43036

DST#: 1

Test Start: 2011.10.11 @ 17:53:00

GENERAL INFORMATION:

Formation: **Toronto/Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:46:30

Time Test Ended: 01:20:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 46

Interval: 3143.00 ft (KB) To 3210.00 ft (KB) (TVD)

Reference Elevations: 1955.00 ft (KB)

Total Depth: 3210.00 ft (KB) (TVD)

1945.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 50.28 psig @ 3144.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.11

End Date:

2011.10.12

Last Calib.: 2011.10.12

Start Time: 17:53:05

End Time:

01:19:59

Time On Btm: 2011.10.11 @ 19:45:30

Time Off Btm: 2011.10.11 @ 23:49:30

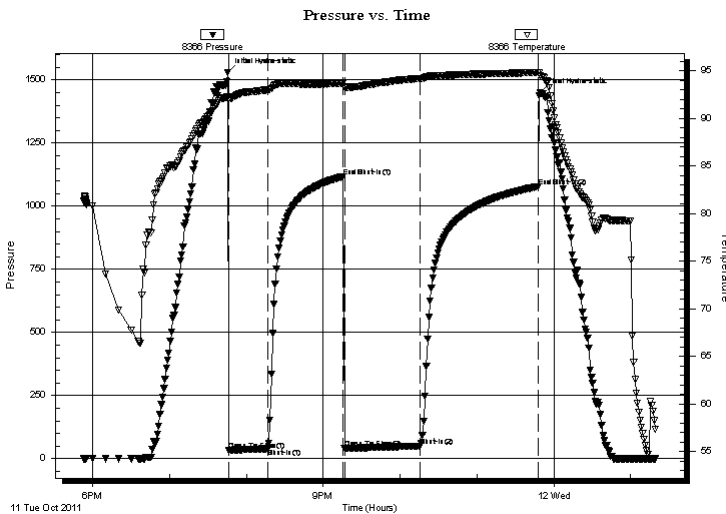
TEST COMMENT: IF- 1" Blow died @ 1 min. Surface blow started @ 5 min. Built to 1 1/4"

IS- No Return

FF- Weak surface blow started at 15 min. Built to 1 1/4"

FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1529.80	92.25	Initial Hydro-static
1	33.25	92.13	Open To Flow (1)
31	39.79	92.98	Shut-In(1)
90	1117.61	93.65	End Shut-In(1)
91	40.84	93.29	Open To Flow (2)
150	50.28	94.17	Shut-In(2)
242	1077.90	94.83	End Shut-In(2)
244	1450.87	94.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OSWM 80M 20W (oil spots)	0.87
15.00	OCWM 50M 30W 20o	0.21
2.00	Free oil 100o	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Trans Pacific Oil Corporation

13-6s-18w-Rooks-KS

100 S Main STE #200
Wichita, KS
67202
ATTN: Wes Hansen

Muir Unit #1-13

Job Ticket: 43036

DST#: 1

Test Start: 2011.10.11 @ 17:53:00

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:	9500 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 4.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OSWM 80M 20W (oil spots)	0.870
15.00	OCWM 50M 30W 20o	0.210
2.00	Free oil 100o	0.028

Total Length: 79.00 ft Total Volume: 1.108 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .82 @ 55 deg = 9,500 ppm

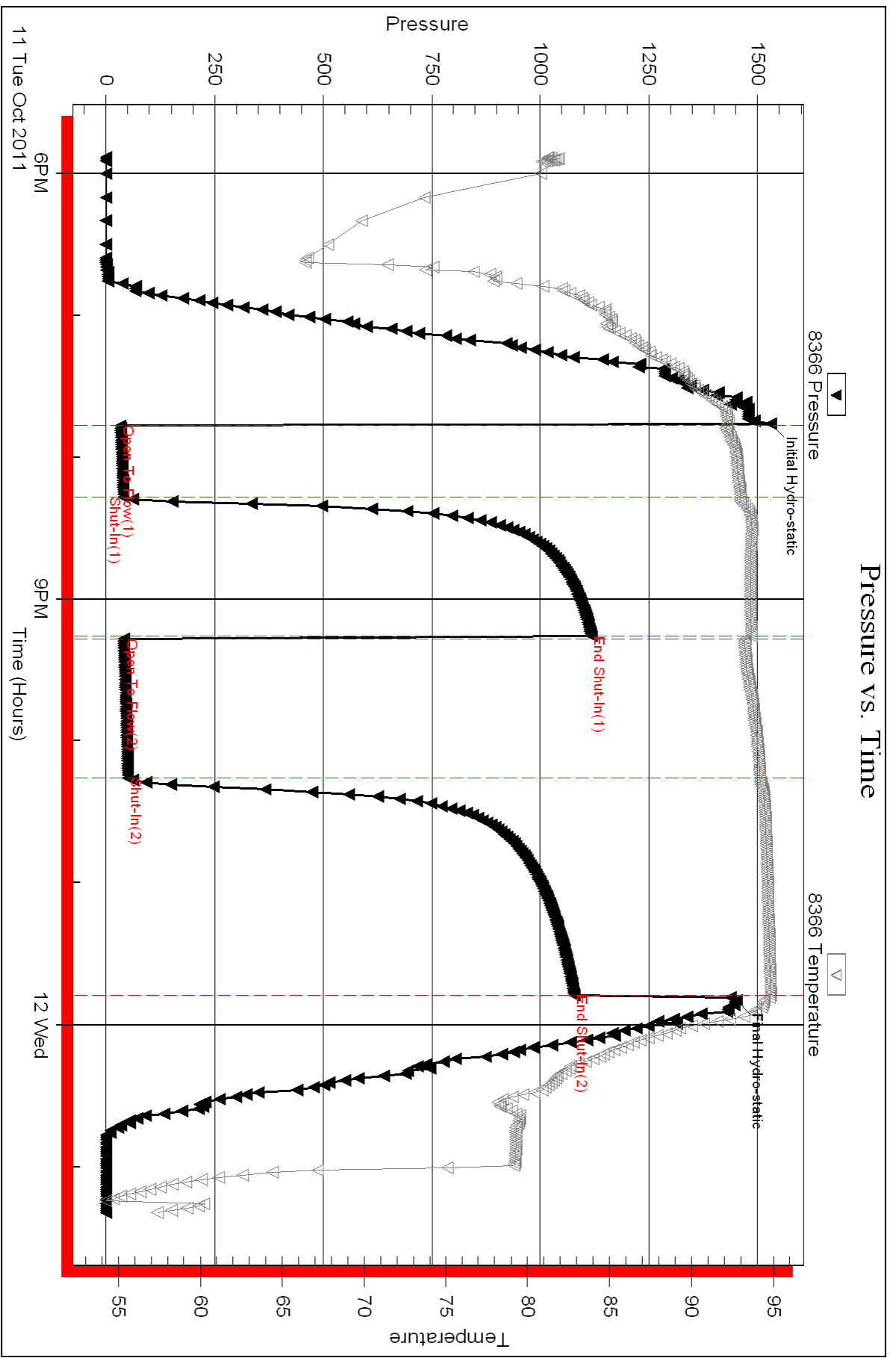
Serial #: 8366

Inside

Trans Pacific Oil Corporation

Muir Unit #1-13

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 43036

Printed: 2011.10.12 @ 16:36:52



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Trans Pacific Oil Corporation
 100 S Main STE #200
 Wichita, KS
 67202
 ATTN: Wes Hansen

13-6s-18w-Rooks-KS

Muir Unit #1-13

Job Ticket: 43037

DST#: 2

Test Start: 2011.10.12 @ 08:06:00

GENERAL INFORMATION:

Formation: **Lansing 70' Zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:31:30
 Time Test Ended: 16:02:30
 Interval: **3225.00 ft (KB) To 3247.00 ft (KB) (TVD)**
 Total Depth: 3247.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Mack
 Unit No: 46
 Reference Elevations: 1955.00 ft (KB)
 1945.00 ft (CF)
 KB to GR/CF: 10.00 ft

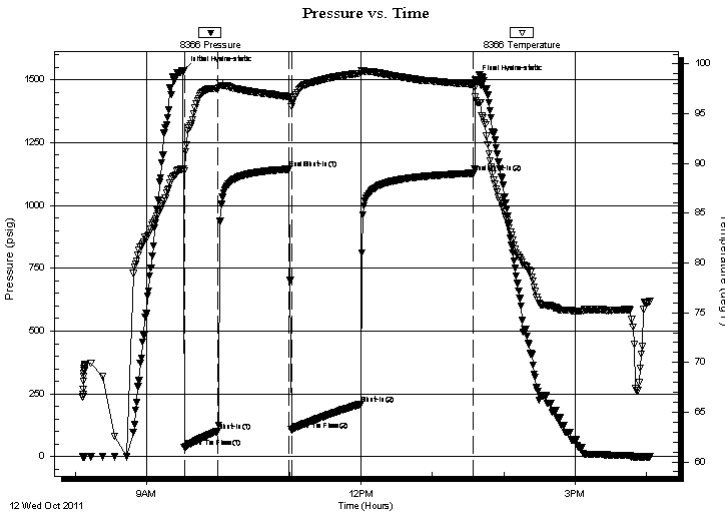
Serial #: 8366

Inside

Press @ Run Depth: 209.34 psig @ 3226.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.12 End Date: 2011.10.12 Last Calib.: 2011.10.12
 Start Time: 08:06:05 End Time: 16:02:29 Time On Btm: 2011.10.12 @ 09:30:30
 Time Off Btm: 2011.10.12 @ 13:36:00

TEST COMMENT: IF- BoB in 8 min.
 IS- Return started @ 3 min. Built to 3 1/2"
 FF- BoB in 10 min.
 FS- Return started @ 2 min. Built to 9"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1534.61	89.44	Initial Hydro-static
1	37.29	89.27	Open To Flow (1)
29	101.98	97.55	Shut-In(1)
89	1144.16	96.74	End Shut-In(1)
91	107.38	95.73	Open To Flow (2)
149	209.34	99.07	Shut-In(2)
244	1128.10	97.95	End Shut-In(2)
246	1500.86	96.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCMW 10G 10o 70W 10M	0.87
252.00	GOCMW 10G 60o 20W 10M	3.53
186.00	Gassy Free Oil 30G 70o	2.61
0.00	434' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Trans Pacific Oil Corporation

13-6s-18w-Rooks-KS

100 S Main STE #200
Wichita, KS
67202
ATTN: Wes Hansen

Muir Unit #1-13

Job Ticket: 43037

DST#: 2

Test Start: 2011.10.12 @ 08:06:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 4.80 in³

Resistivity: 0.00 ohm.m

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 37 deg API

Water Salinity: 35000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	OCMW 10G 10o 70W 10M	0.870
252.00	GOCMW 10G 60o 20W 10M	3.535
186.00	Gassy Free Oil 30G 70o	2.609
0.00	434' GIP	0.000

Total Length: 500.00 ft Total Volume: 7.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 38 @ 70 Deg. = 37
RW .2 @ 75 = 35000 ppm

Serial #: 8366

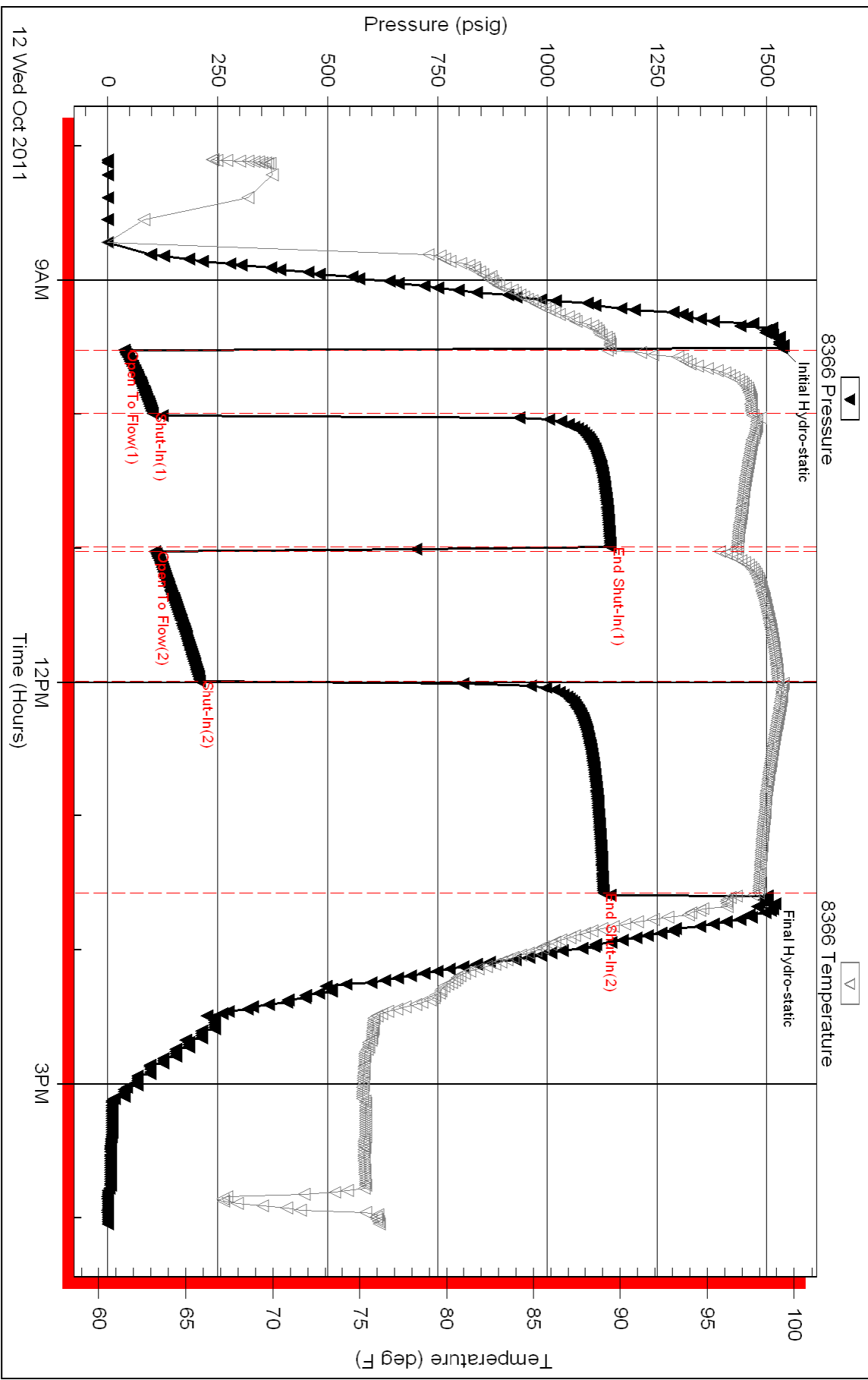
Inside

Trans Pacific Oil Corporation

Muir Unit #1-13

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 43037

Printed: 2011.10.12 @ 16:35:54



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Trans Pacific Oil Corporation

13-6s-18w-Rooks-KS

100 S Main STE #200
Wichita, KS
67202
ATTN: Wes Hansen

Muir Unit #1-13

Job Ticket: 43038

DST#: 3

Test Start: 2011.10.13 @ 00:10:00

GENERAL INFORMATION:

Formation: **Lansing 90'/100' Zon**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:55:30

Time Test Ended: 06:35:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 46

Interval: 3251.00 ft (KB) To 3273.00 ft (KB) (TVD)

Reference Elevations: 1955.00 ft (KB)

Total Depth: 3273.00 ft (KB) (TVD)

1945.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 16.93 psig @ 3252.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.13

End Date:

2011.10.13

Last Calib.: 2011.10.13

Start Time: 00:10:05

End Time:

06:34:59

Time On Btm: 2011.10.13 @ 01:54:30

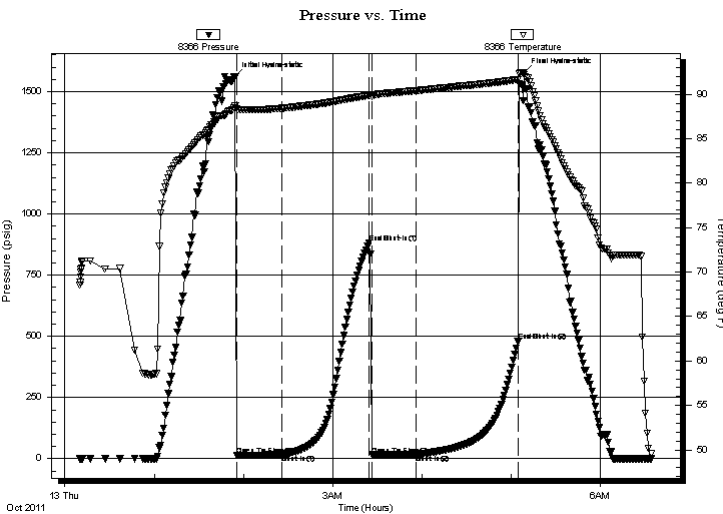
Time Off Btm: 2011.10.13 @ 05:09:00

TEST COMMENT: IF- Weak surface blow built to 3/4"

IS- No Return

FF- No Blow

FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.53	88.66	Initial Hydro-static
1	14.02	88.35	Open To Flow (1)
32	15.88	88.43	Shut-In(1)
90	881.08	89.86	End Shut-In(1)
92	16.14	89.80	Open To Flow (2)
122	16.93	90.41	Shut-In(2)
190	478.82	91.66	End Shut-In(2)
195	1578.54	92.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.07
1.00	Free oil 100o	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Trans Pacific Oil Corporation

13-6s-18w-Rooks-KS

100 S Main STE #200
Wichita, KS
67202
ATTN: Wes Hansen

Muir Unit #1-13

Job Ticket: 43038

DST#: 3

Test Start: 2011.10.13 @ 00:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 5.20 in³

Resistivity: 0.00 ohm.m

Salinity: 900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100M	0.070
1.00	Free oil 100o	0.014

Total Length: 6.00 ft Total Volume: 0.084 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

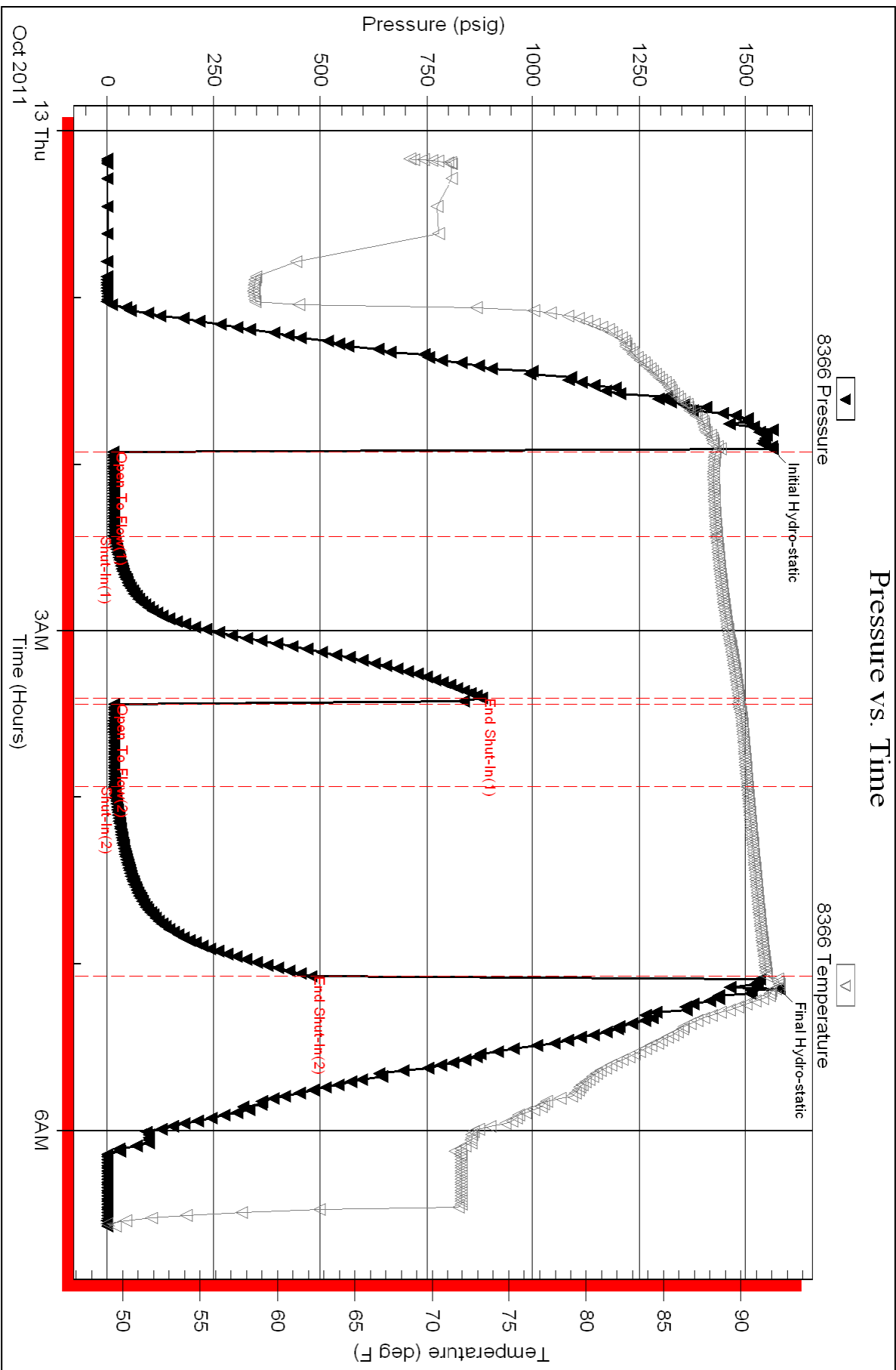
Serial #: 8366

Inside

Trans Pacific Oil Corporation

Muir Unit #1-13

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 43038

Printed: 2011.10.13 @ 08:40:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Trans Pacific Oil Corporation

13-6s-18w-Rooks-KS

100 S Main STE #200
Wichita, KS
67202
ATTN: Wes Hansen

Muir Unit #1-13

Job Ticket: 43039

DST#: 4

Test Start: 2011.10.13 @ 14:51:00

GENERAL INFORMATION:

Formation: **Lansing 160' Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:35:30

Time Test Ended: 22:34:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 46

Interval: 3304.00 ft (KB) To 3323.00 ft (KB) (TVD)

Reference Elevations: 1955.00 ft (KB)

Total Depth: 3323.00 ft (KB) (TVD)

1945.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8366 Inside

Press @ Run Depth: 68.63 psig @ 3305.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.13

End Date: 2011.10.13

Last Calib.: 2011.10.13

Start Time: 14:51:05

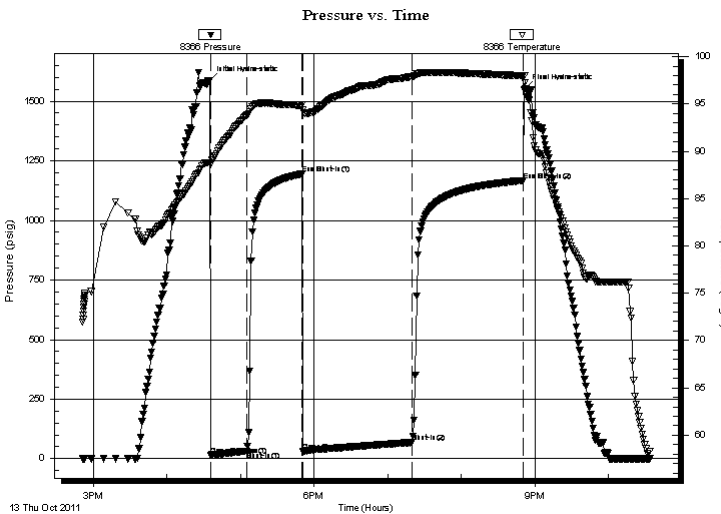
End Time: 22:33:59

Time On Btm: 2011.10.13 @ 16:34:30

Time Off Btm: 2011.10.13 @ 20:52:00

TEST COMMENT: IF- Weak surface blow built to 1/8"
IS- No Return
FF- Surface blow built to 3" then died back to 1 1/2"
FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1585.49	88.77	Initial Hydro-static
1	15.72	88.61	Open To Flow (1)
30	31.39	93.76	Shut-In(1)
75	1193.93	94.88	End Shut-In(1)
76	32.05	94.35	Open To Flow (2)
165	68.63	97.88	Shut-In(2)
256	1167.52	97.98	End Shut-In(2)
258	1553.21	97.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
42.00	GOCM 10G 30o 60M	0.59
97.00	Clean Gassy Oil 20G 100o	1.36
0.00	50' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Trans Pacific Oil Corporation

13-6s-18w-Rooks-KS

100 S Main STE #200
Wichita, KS
67202
ATTN: Wes Hansen

Muir Unit #1-13

Job Ticket: 43039

DST#: 4

Test Start: 2011.10.13 @ 14:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
42.00	GOCM 10G 30o 60M	0.589
97.00	Clean Gassy Oil 20G 100o	1.361
0.00	50' GIP	0.000

Total Length: 139.00 ft Total Volume: 1.950 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 31 @ 70 deg. = 30

Serial #: 8366

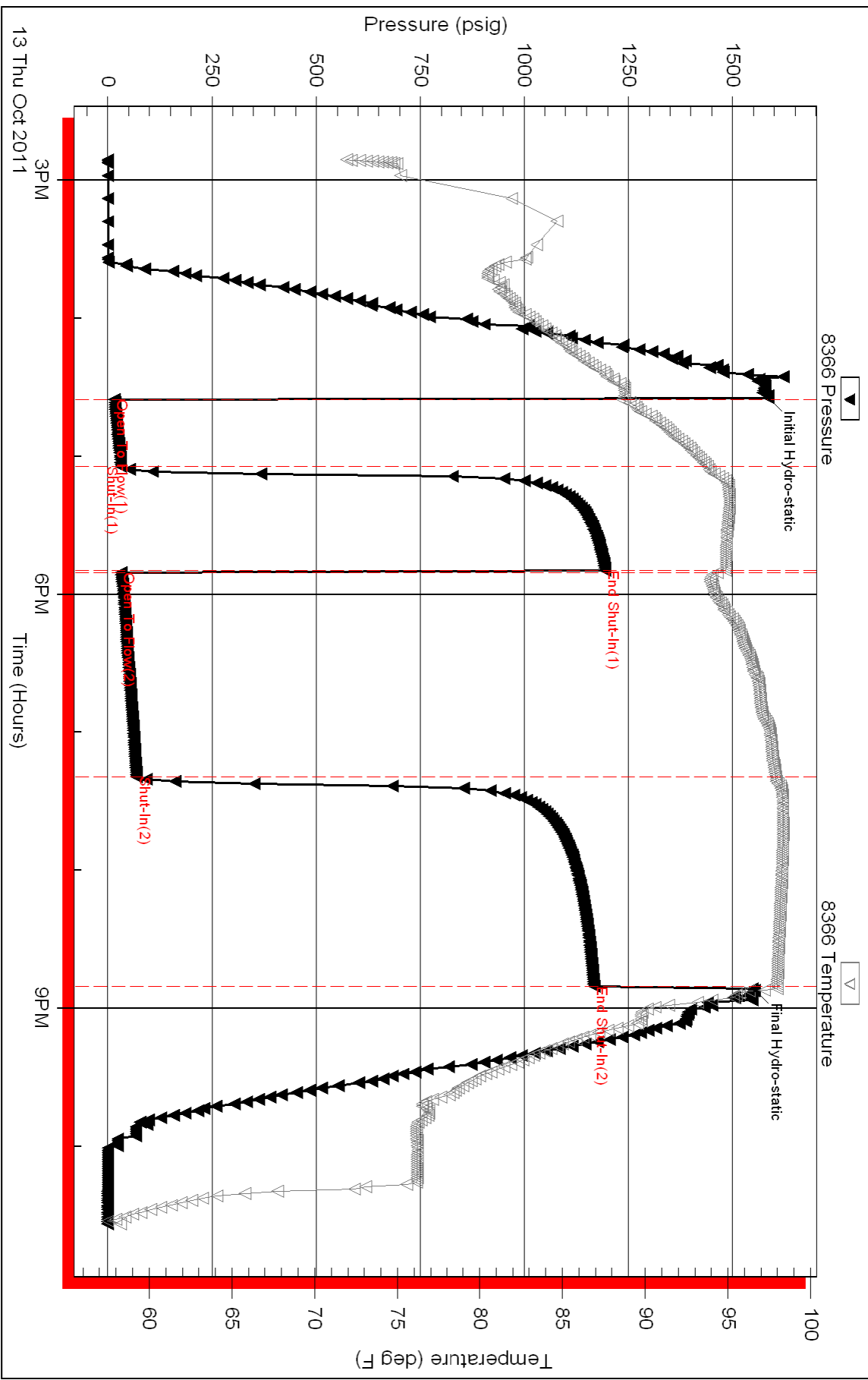
Inside

Trans Pacific Oil Corporation

Muir Unit #1-13

DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 43039

Printed: 2011.10.14 @ 08:29:45

Well: Muir Unit A 1-13 **STR:** 13-6S-18W **Cty:** Rooks **State:** Kansas

Log Tops:

Anhydrite	1416' (+539) -12'
B/Anhydrite	1444' (+511) -10'
Topeka	2906' (-951) -14'
Heebner	3112' (-1157) -14'
Toronto	3137' (-1182) -14'
Lansing	3153' (-1198) -13'
BKC	3383' (-1428) -14'
Arbuckle	3633' (-1678) -153'
RTD	3690' (-1735)

ALLIED CEMENTING CO., LLC. 035821

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Russell, KS

DATE <u>10-8-11</u>	SEC. <u>13</u>	TWP. <u>6</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30am</u>	JOB FINISH <u>7:00am</u>
LEASE <u>in air</u>	WELL# <u>1-13</u>	LOCATION <u>6 W Stockton</u>			COUNTY <u>Rocks</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			Einto				

CONTRACTOR <u>American Eagle #3</u>		OWNER
TYPE OF JOB <u>Surface</u>		
HOLE SIZE	T.D. <u>221</u>	CEMENT
CASING SIZE <u>8 5/8</u>	DEPTH <u>221</u>	AMOUNT ORDERED <u>150 SX COM</u>
TUBING SIZE	DEPTH	<u>3% CC 2% Gel</u>
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON <u>150</u> @ <u>14.25</u> <u>2137.50</u>
MEAS. LINE	SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG. <u>15 ft</u>		GEL @ <u>21.25</u> <u>63.75</u>
PERFS.		CHLORIDE <u>5</u> @ <u>58.20</u> <u>291.00</u>
DISPLACEMENT <u>13.11</u>		ASC @
EQUIPMENT		
PUMP TRUCK # <u>409</u>	CEMENTER <u>Heath</u>	
BULK TRUCK # <u>378</u>	HELPER <u>Cody</u>	
BULK TRUCK #	DRIVER <u>Tony</u>	
BULK TRUCK #	DRIVER	
		HANDLING <u>156</u> @ <u>2.25</u> <u>355.50</u>
		MILEAGE <u>111.50</u> @ <u>4.75</u> <u>523.54</u>
		TOTAL <u>3221.29</u>

REMARKS:
Ran 5 joints of 8 5/8 casing & landing joint
Est circulation with mud pump
Mix 150 SX & disp 13.11 bbls of H₂O

CHARGE TO: TransPacific Oil Corp
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE	
DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE @	<u>231.00</u>
MILEAGE <u>111.50</u> @ <u>7.00</u>	<u>780.50</u>
MANIFOLD @	
<u>100</u> @ <u>13.20</u>	<u>1320.00</u>
<u>11.33</u> @ <u>9.00</u>	<u>1019.70</u>
RECEIVED	TOTAL <u>1488.00</u>

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.

PLUG & FLOAT EQUIPMENT	
BY _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
TOTAL _____	

PRINTED NAME _____
SIGNATURE Bradford Fisher

SALES TAX (If Any) _____
TOTAL CHARGES 5221.29 5209.29
DISCOUNT _____ IF PAID IN 30 DAYS

JOB LOG

SWIFT Services, Inc.

DATE 15 OCT 11 PAGE NO. 1

CUSTOMER TRANS PACIFIC OIL

WELL NO.

LEASE MUIR UNIT A 1-13

JOB TYPE 4 1/2 LONGSTRING

TICKET NO. 22373

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0945							ON LOCATION
	1015							START PIPE 4 1/2-10.5" RTD @ 3690 SET @ 3673 SHADE JT 42.40' CENTRALIZERS 6, 7, 8, 9, 10, 11, 12, 13, 14, 52 BASKETS 2, 53 PORT COLLAR TOP OF JT #53 @ 1400'
	1137							DROP BALL CIRCULATE
	1158	6	12				300	Pump 500 gal MUD FLUSH
	1200	6	20				300	Pump 20 Bbl KCL FLUSH
	1205		7					PLUG RH (30sx)
	1207	4	41					MIX 170sx EA 2
	1222							WASH OUT PUMPING LINES
	1224	6						RELEASE PLUG START DISPLACEMENT
	1234	0	58				1300	PLUG DOWN PSI UP LATCH PLUG IN.
	1236							RELEASE PRESSURE DRY
	1238							WASH TRUCK
	1300							JOB COMPLETE.
								THANKS #110
								JASON JEFF BRIAN

RECEIVED

BY

JOB LOG

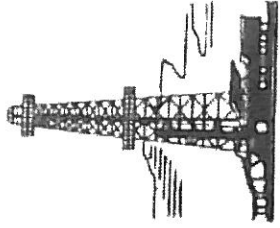
SWIFT Services, Inc.

DATE 10-21-11 PAGE NO. 1

CUSTOMER Trans Pacific Oil Co. WELL NO. #7-13 LEASE Main Unit "A" JOB TYPE Port Cellar TICKET NO. 20151

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0945							on loc setup Trks
								2 3/8" x 4 1/2" P.C. @ 1400'
	1000	.5					1000	Test Csg to 1000 Psi
	1005	3.5	5				300	Open P.C. Take rate & check for blow
	1010	4	0				350	start Cement
	1034	4	95				500	Circ Cement/Raise Weight
	1035	4	100/0				500	End Cement/start Displacement
	1036		5				500	Cement Displaced
	1040	.5					1000	Close PC Test Csg to 1000 Psi
								Run 5jts
	1050	3	0					Reverse out
	1055		15					Hole Clean
								Wash up Trk
								circ 25 sks topit
								Thank you
								Nick, Josh F, & Doug
								RECEIVED

RV



WESLEY D. HANSEN Consulting Petroleum Geologist

KGS
AAPG
Kansas License #418

212 N. Market, Suite 257, Wichita, KS 67202
Office: 316-267-7313 Cellular ; 316-772-6188

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Trans Pacific Oil Corporation #1-13 Muir Unit "A"
Location: 2505' FSL, 781' FWL of Section 13-6S-18W
License Number: API: 15-163-23984
Spud Date: 10-7-2011
Surface Coordinates: 2505' FSL, 781' FWL of 13-6S-18W

Region: Rooks County, KS
Drilling Completed: 10-14-2011

Bottom Hole Coordinates: Vertical hole

Ground Elevation (ft): 1950' K.B. Elevation (ft): 1955'
Logged Interval (ft): 2800' To: RTD Total Depth (ft): 3690'
Formation: Arbuckle at RTD

Type of Drilling Fluid: Chemical - displaced from 2645'-2724'

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Trans Pacific Oil Corporation
Address: 100 S. Main
Suite 200
Wichita, KS 67202

GEOLOGIST

Name: Wesley D. Hansen
Company: Wesley D. Hansen - Consulting Petroleum Geologist
Address: 212 N. Market, Suite 257
Wichita, KS 67202
Office: 316-263-7313 Cellular: 316-772-6188

COMMENTS

Contractor: American Eagle Rig #3
Pusher: Brad Parker

Surface Casing: 8 5/8" set at 218' w/150 sx
Production Casing: 4 1/2" casing set at +or- 3690'

Mud by: MudCo - Gary Schmidtberger and Chuck Herbers were the engineers

DST's by: Trilobite Testing - Kevin Mack was the tester

Logs by: Superior Well Services DIL, CN-CD, ML, Sonic

Deviation Surveys: 1 deg. @ 221; 1 deg. @ 2520'; 1 deg. @ 3247'

Bit #	Size	MFG	Type	Depth Out	Footage Cut	Hours on bit
1	12 1/4"		rerun	221'	221'	2 1/4
2	7 7/8"		QX21-S	2520'	2299'	30

Bit #	Size	MFG	Type	Depth Out	Footage Cut	Hours on bit
1	12 1/4"		rerun	221'	221'	2 1/4
2	7 7/8"		QX21-S	2520'	2299'	30
3	7 7/8"		QX21-J	3690'	1170'	41 1/4

FORMATION TOPS AND STRUCTURAL COMPARISON

FORMATION	SAMPLE TOPS		LOG TOPS		COMPARISON WELL
	Depth	Datum	Depth	Datum	
Anhydrite	1417'	+538	1416'	+539	-12'
B/Anhydrite	1445'	+510	1444'	+511	-10
Topeka	2905'	-950	2906'	-951	-14'
Heebner Shale	3112'	-1157	3113'	-1158	-15'
Toronto	3139'	-1184	3136'	-1181	-12'
Lansing	3155'	-1200	3153'	-1198	-9'
BKC	3383'	-1428	3384'	-1429	-15'
Arbuckle	3633'	-1678	3633'	-1678	-153'
RTD	3690'	-1735			
LTD			3692'	-1737	

COMPARISON WELL
Trans Pacific Oil Corp.
Hansen Foundation "A" #1-12
750' FSL, 330' FWL 12-6S-18W

DRILL STEM TESTS

DST No. 1 Toronto/Lansing

Interval: 3143'-3210'

Times: 30-60-60-90

Recovery: 2' FO; 15' O&WCM (20o, 30w, 50m);

62' WCM w/oil spots (20w, 80m)

FP: 33-39/40-50 SIP: 1117-1077

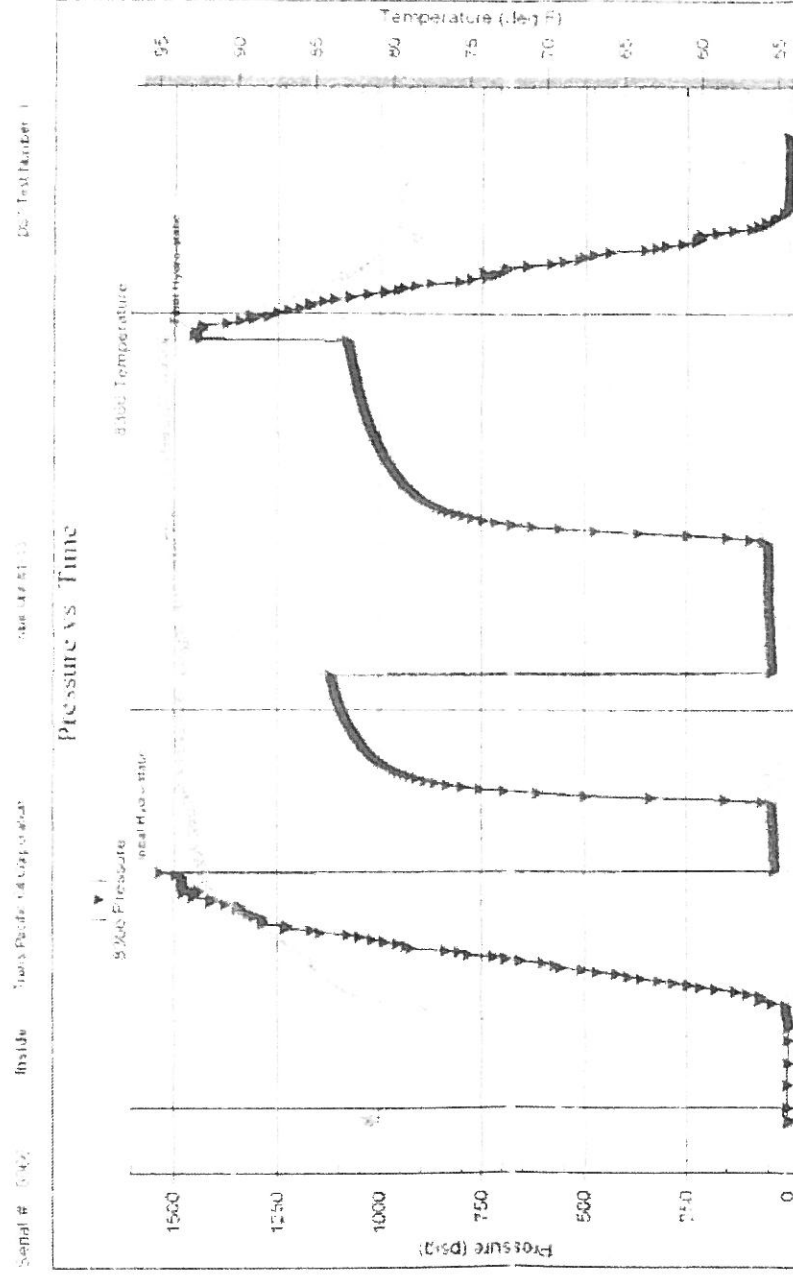
HP: 1529-1450 BHT: 95 deg. F

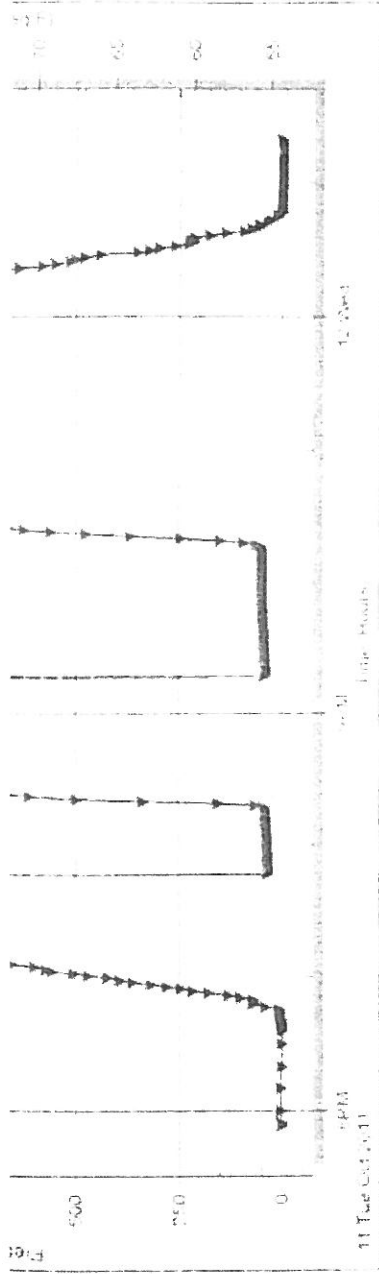
IFP: tool slid 15' with 1" blow, died in 1 minute; surface blow at 5 min. mark bldg. to 1 1/4"

ISIP: no return

FPP: weak surface blow at 15 min. mark bldg. to 1 1/4"

FSIP: no return





DRILL STEM TESTS

DST No. 2 Lansing 70' Zone

Interval: 3225'-3247'

Times: 30-60-60-90

Recovery: 434' GIP; 186' GCO (30g, 70o); 252'

GM&WCO (10g, 10m, 20w, 60o); 62' GO&MCW

(10g, 10o, 10m, 70w); oil gravity 37 deg.; chl. of

water was 35K

FP: 37-101/107-209 SIP: 1144-1128

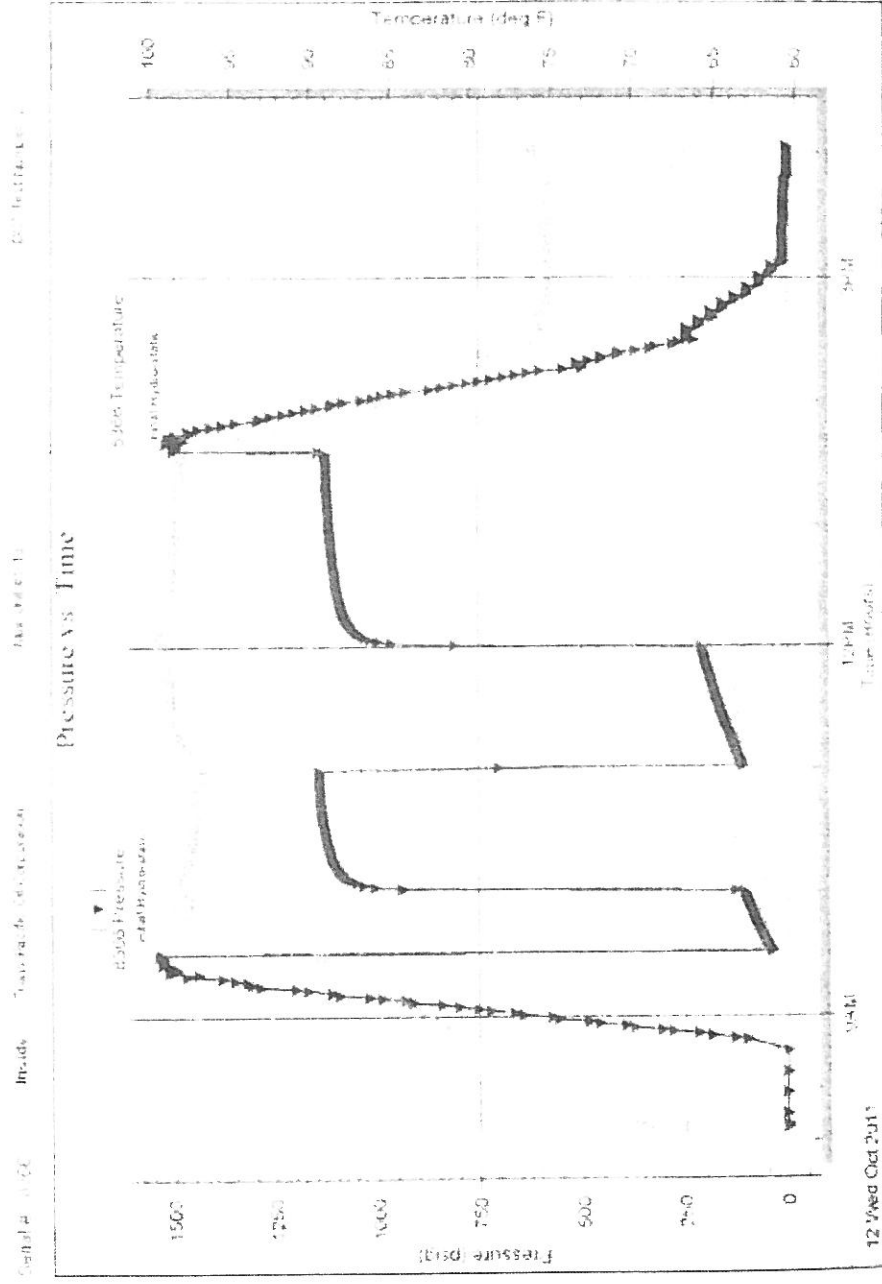
HP: 1534-1500 BHT: 99 deg. F

IFP: tool slid 10'; fair blow bldg. to B.O.B. in 8 minutes

ISIP: return blow built to 3 1/2 inches

FFP: B.O.B. in 10 minutes

FSIP: return blow built to 9 inches



DRILL STEM TESTS

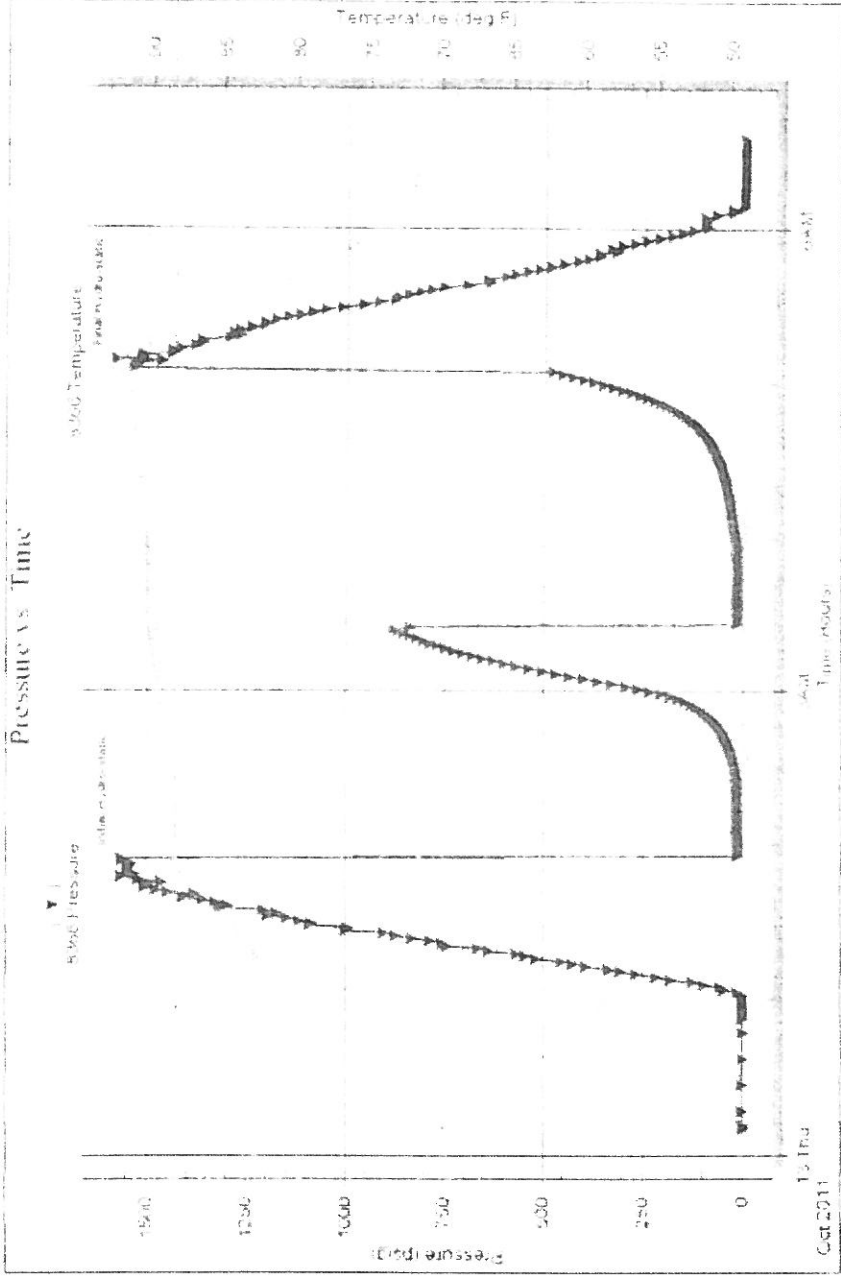
DST No. 3 Lansing 90' and 100' zones
Interval: 3251'-3273'
Times: 30-60-30-60
Recovery: 1' oil; 5' mud
FP: 14-15/16-16 SIP: 881-478
HP: 1562-1578 BHT: 92 deg. F

IFP: weak surface blow bldg. to 3/4 inch
ISIP: no return
FFP: no blow
FSIP: no return

Well Test Report

Well No. 3251

Well Name

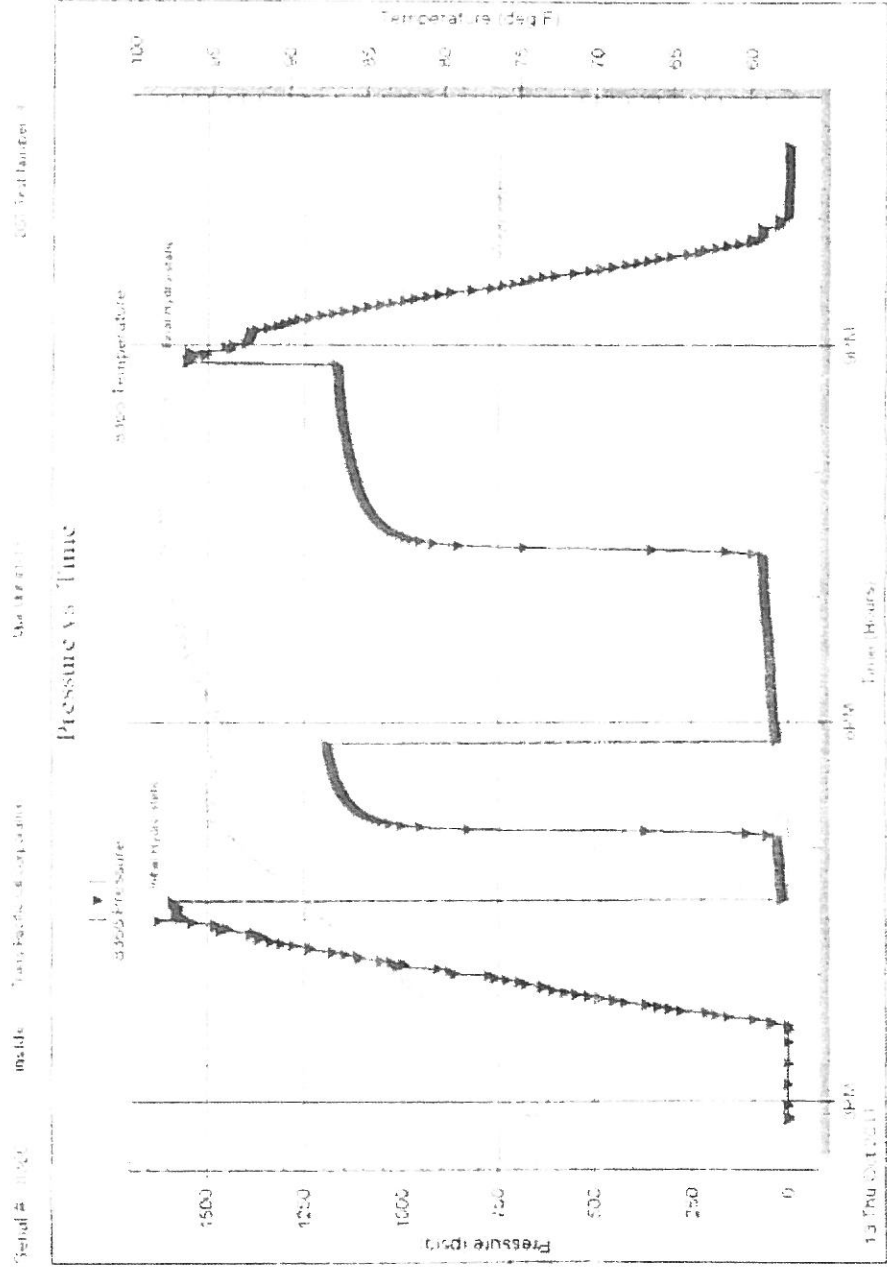


DRILL STEM TESTS

DRILL STEM TESTS

DST No. 4 Lansing 160' Zone
 Interval: 3304-3323'
 Times: 30-45-90-90
 Recovery: 50' GIP; 97' CGO (20g, 80o); 42'
 G&OCM (10g, 30o, 60m); oil grav. 30 deg.
 FP: 15-31/32-68 SIP: 1193-1167
 HP: 1585-1553 BHT: 98 deg. F

IFP: weak surface blow built to 1/8 inch
 ISIP: no return
 FFP: surface blow built to 3 inches, died
 back to 1 1/2 inches
 FSIP: no return



- Anhy
- Cht
- Coal
- Congl
- Dol
- Gyp
- Lmst

- Salt
- Shale
- Shcol
- Shgy
- Siltst
- Ss
- Carb sh

- Dol
- Dtd
- Gry sh
- Sandylms
- Shale
- Siltstn
- Shlylts

- Sltysl
- Sdy dolo
- Silty dolo
- Shy dolo
- Shaly ls

ROCK TYPES

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Fchin

- Plant
 - Strom
 - Fuss
 - Oomold
- MINERAL
- Anhy
 - Arggrn
 - Arg
 - Bent
 - Rit

- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandv

- STRINGER
- Anhy
 - Arg
 - Bent
 - Coal
 - Dol
 - Gyp
 - Ls
 - Mrst
 - Siltstrg
 - Sectrn

ACCESSORIES

- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Silty

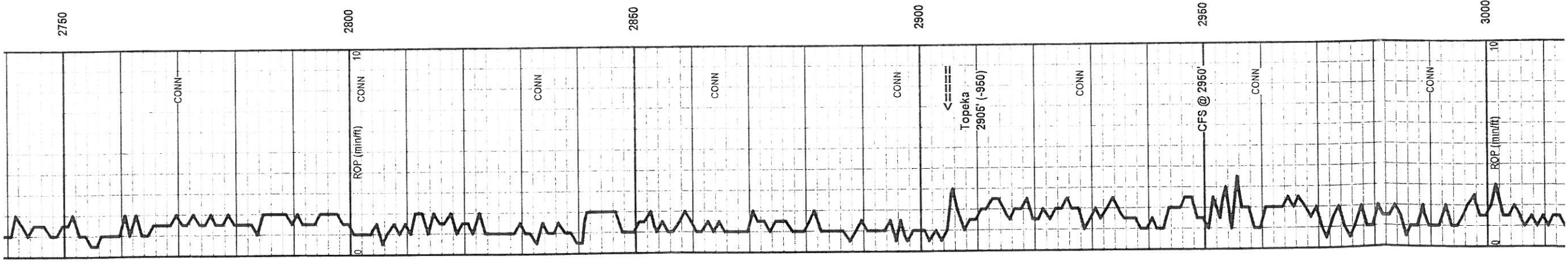
- MINERAL
- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr

- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite

OTHER SYMBOLS

- INTERVALS
- Core
- Dst
- Dst
- EVENTS
- Rft
- Dst top/base
- OIL SHOWS
- Even
- Spotted
- Quest.
- Trace
- Dead
- Gas show

Curve Track 1 ROP (min/ft)	Depth	Lithology	Geological Descriptions	Remarks
	1400'			
				Anhydrite 1417' (+538)
	1450'			Base/Anhydrite 1445' (+510)
				Bit trip at 2620' - Pipe strap was 0.24' long to the board
	2700			Morning Depth & Activity 10-7-2011 MIRT - Spud at 11:45 PM 10-8 WOC @ 221' 10-9 Drig. @ 1421' 10-10 Drig. @ 2465' 10-11 Drig. @ 3066' 10-12 TOOH for DST #2 @ 3247' 10-13 TIH after DST #3 @ 3273' 10-14 Drig. @ 3444' 10-15 RTD @ 3690' logging completed - running casing jet - displaced mud system from 2645'-2724'
	2750			



Ls: lt-med brn, tan vf-cryptoxin, occ gray cryptoxin; some offwhite, tan mic-vfxin dense, trace fusilinids

Geologist on location at 2789'

Ls: mix AA; influx lt-med gray vf-cryptoxin, mottled IP; more offwhite dense

Ls: lt-med brn, lt-med gray vf-cryptoxin; some mottled gray granular, NVP

Ls: mix AA with occ tan cryptoxin with scatt. vug. por.; more tan, offwhite vfxin dense, some ppt por., N.S.; Sh: some gray, very pyritic

Ls: mix AA with some offwhite, lt gray mic-fnxin with poor ppt por., N.S.; some lt-med gray shale

Sh: lt-med gray; some lt-med gray silty shale and siltst; Ls: more tan, lt brn vf-cryptoxin, fossilif. IP and mottled tan, lt gray fn granular, poor to NVP

Ls: various lt-med brn, lt-med gray vf-cryptoxin, NVP, some lt-med gray shale and dark gray silty shale; occ gray siltst

Ls: various dense AA, some mottled gray granular, NVP, sl influx; lt gray opa chert; minor gray shale and micac. gray sandy siltst; common recirc. shales

90' spl - Sh: some med gray, silty and micac. IP, some red-brn; Ls: lt-med gray, some lt-med brn vf-cryptoxin, mottled IP

2900' spl - Sh: definite influx med to dark gray, micac. and carbon. IP; some black carbon., fissile; Ls: influx tan, offwhite, lt gray mic-vfxin dense, some ppt por., N.S.

10' spl - Ls: tan, lt brn, lt gray vfxin dense and mottled gray granular, NVP; decr. shale % AA

20' spl - sl influx gray micac. siltst and micac. vfg Sst; Ls: sl influx lt-med brn and dark gray cryptoxin

Topeka 2905' (-950)

Ls: influx mottled gray granular and lt-med gray vfxn, NVP; lesser tan, lt brn vf-cryptoxin, NVP; some dark gray to black carbon and fissile shale

Ls: flood mottled med to dark gray vf-cryptoxin to granular; some med brn cryptoxin, NVP

Ls: lt-med gray, lt-med brn vf-cryptoxin; decr. mottled gray AA; occ offwhite micxin subchalky IP; some med to dark gray shale

trace residual shows

CFS 2950' 20" spl - Ls: lt gray, tan, offwhite mic-vfxin dense; incr. lt-med gray shale %; 45" spl - Ls: influx tan, offwhite dense AA and lt-med gray vfxin dense; occ lt-med brn cryptoxin; trace tan fxin with interxin por., sl show brn listless oil, no odor, patchy fluor.; some tan with ppt por., barren

70' spl - Ls: various brn, gray, tan vf-cryptoxin; occ black carbon. shale

80' spl - Sh: mcr. med gray, silty, some micac. gray siltst; Ls: med to dark brn cryptoxin and lt-med gray vf-cryptoxin

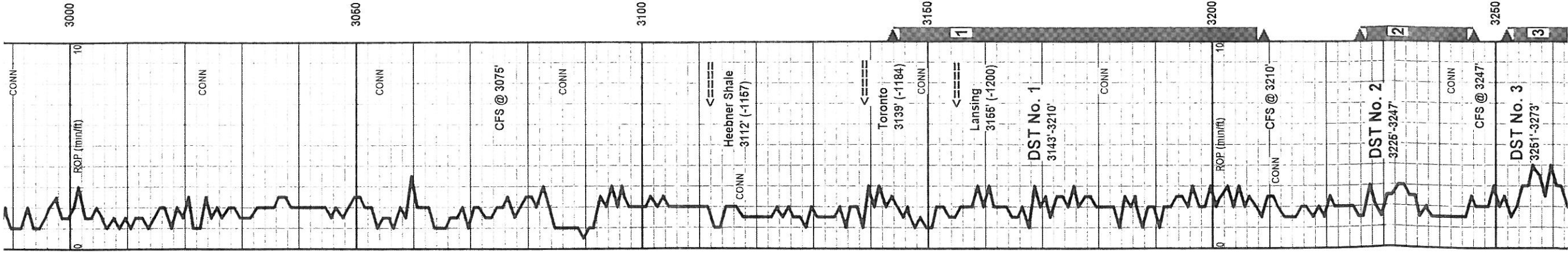
90' spl - Ls: good influx tan, lt brn vf-cryptoxin, NVP, lt-med gray mic-vfxin dense, subchalky IP; some gray shale AA

3000' spl - Ls: tan, lt brn vf-cryptoxin AA; sl influx tan, lt brn mic-vfxin with ppt por.; some offwhite, lt gray micac. siltst and med gray silty shale

Ls: mix offwhite, tan mic-vfxin dense, occ ppt por., one chip with spotty stain; tan, lt brn fn granular with poor to NVP, NS.

Ls: influx med to dark gray, gray-brn vf-cryptoxin, mottled IP; Sh: mcr. med to dark gray

Ls: tan, lt brn mic-fnxin with ppt por., some subchalky, N.S.; lt brn, lt-med gray vf-cryptoxin, NVP; some dark gray and occ black shale



chip with spotty stain, tan, lt brn fn granular with poor to NVP, NS

Ls: influx med to dark gray, gray-brn vf-cryptoxin, mottled IP; Sh: incr. med to dark gray

Ls: tan, lt brn mic-fxn with ppt por., some subchaly. N.S.; lt brn, lt-med gray vf-cryptoxin, NVP; some dark gray and occ black shale

40' spl - Sh: sl influx black carbon.; Ls: tan, offwhite fn granular, fossilif. IP with inter and intra-particle por., N.S.

50' spl - Ls: mic-fxn with por. AA; some med brn cryptoxin to mottled sl granular, NVP; some mottled brn/offwhite marl

60' spl - Ls: lt. gray, lt-med brn cryptoxin

70' spl - Ls: mix AA with Sh: lt-med gray, some black carbon.

75' spl - Sh: med gray, red-brn; Ls: some sl mottled tan granular, NVP; some tan, lt brn mic-fxn with ppt por., N.S.

CFS 3075' spis - Ls: tan, lt brn mic-fxn with ppt por., N.S.; rare tan oolitic with fair-good line oolitic por., trace with patchy stain; trace tan vfxin with patchy ppt por. with dark brn stain; trace-occ tan, offwhite mic-vfxin with spotty dark brn oily stain, no odor, no fluor.; med brn, gray cryptoxin and tan, lt gray mic-vfxin dense at base, N.S.; trace dark gray opq chert

Ls: tan, lt gray, lt brn cryptoxin; some mottled gray granular, fossilif., NVP; trace chert AA

Ls: tan fn granular with good inter-particle por.; offwhite, tan micxln subchaly. N.S.

Ls: tan, lt gray, offwhite mic-vfxln dense

20' spl - Ls: tan, lt gray, lt brn vf-cryptoxin; common tan, offwhite mic-vfxln dense; sl influx tan vfxln dolomite, N.S.

30' spl - Ls: various dense with some dolomite AA; Sh: sl influx black carbon.

40' spl - Ls: lt-med brn cryptoxin; Sh: lt-med gray, some silty with some gray micac. siltst

50' spl - Sh: lt-med gray and black; Ls: influx offwhite, tan mic-fxnln, fossil hash, subchaly to occ chaly

60' spl - Ls: influx lt-med gray vf-cryptoxin, some pyritic, scatt. tan granular with poor vug, and inter-particle por. with dark brn oily stain, no odor, no fluor., nfo, nsq; scatt. gray, brn opq chert

70' spl - Ls: various gray, lt brn cryptoxin, sl cherty; offwhite mic-vfxln dense, subchaly; several chips offwhite, tan cryptoxin to granular with inter-particle and some vug por. with spotty brn stain, no odor, nfo, some dull even fluor.

80' spl - Ls: several chips tan, offwhite med to coarse xln, oolitic IP with inter-particle and inter-oolitic por. with spotty stain, no odor, nfo; predom. offwhite, tan mic-vfxln, fossilif. IP, subchaly IP and tan, lt gray cryptoxin, N.S.

90' spl - Ls: tan, lt gray cryptoxin and offwhite mic-vfxln dense, subchaly; good influx offwhite, lt gray opq chert, N.S.

3200' spl - Ls: various dense, cherty AA; scatt. tan vfxln dolomite; 10' spl had incr. in red-brn and med gray shale

10' spl - Ls: tan, lt brn, lt gray cryptoxin, sl cherty; very scatt. tan granular to sl oolitic with poor inter-particle por., patchy to even stain, sl sfo, no odor, dull fluor.

CFS 3210' spis - Ls: offwhite, tan med-coarse xln with vug. and inter-particle por. with sl-fair odor, spotty lt stain, sfo on break; some tan dense with spotty stain and slow bleeding gas, shows very lt oil on break; offwhite, tan mic-vfxln and tan, lt gray cryptoxin, N.S.; Sh: influx med gray

30' spl - Ls: influx lt-med gray vf-cryptoxin; trace tan coarse xln, fossilif. and tan oolitic with poor inter-oolitic and inter-particle por. with spotty ppt stain, no odor, nfo, even fluor.

40' spl in remarks column

47' spl - Sh: sl influx black carbon.; Ls: predom. tan, lt gray cryptoxin; lesser offwhite mic-vfxln dense

CFS 3247' spis - Ls: tan, lt brn oolitic with poor to fair inter-oolitic por., common spar matrix, with fair to good odor, sl pungent, lt brn stain, sl show to on break; occ offwhite vf-cryptoxin with patchy stain; offwhite micxln subchaly to chaly at base

60' spl - trashy; Ls: tan, lt gray, lt brn cryptoxin; Sh: vc gray, red-brn

70' spl - Ls: good influx tan, lt brn cryptoxin and offwhite, tan mic-vfxln dense, NVP, N.S.

CFS 3273' 20' spl - Ls: flood offwhite mic-vfxln dense, subchaly to occ chaly; occ tan mic-vfxln with spoaty bot

7:00 AM at 3066' on 10-11-2011

trace residual shows

MudCo Mud Check at 3096'

8:45 AM on 10-11-2011
 wt vis vl pH chl
 8.8 45 4.8 11.5 500
 PV YP Gels lcm solids
 9 20 8/10 # 3.6%

Heebner Shale 3112' (-1157)

Toronto 3139' (-1184)

Lansing 3155' (-1200)

DST No. 1 Toronto/Lansing
 Interval: 3143'-3210'
 Times: 30-50-60-90
 IFF: tool slid 15' with 1" blow, died in 1 minute, surface blow at 5 min., mark bldg. to 1 1/4"
 ISIP: no return
 FFP: weak surface blow at 15 min. mark bldg. to 1 1/4"
 F/SIP: no return
 Recovery: 2' FO; 15' O&WCM (20c, 30w, 50m); 62' WCM w/roll spoils (20w, 80m)
 FP: 33-39/40-50 SIP: 1117-1077
 HP: 1529-1450 BHT: 95 deg. F

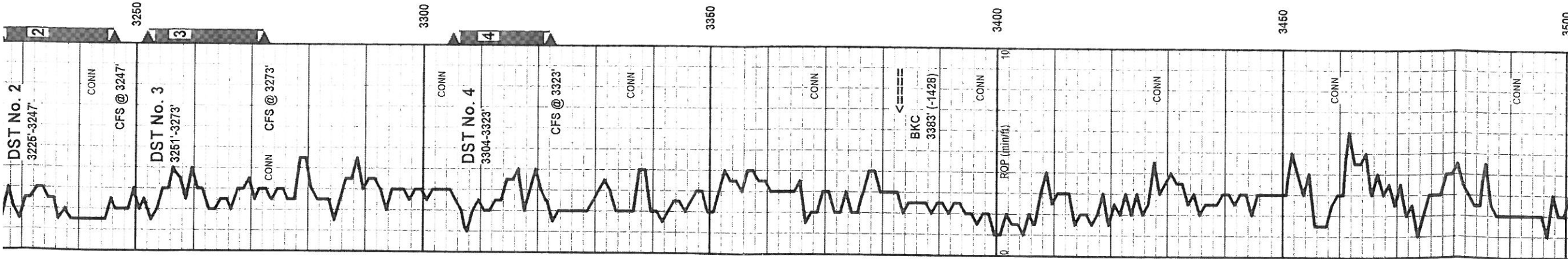
DST No. 2 Lansing 70' Zone
 Interval: 3225'-3247'
 Times: 30-50-60-90
 IFF: tool slid 10'; fair blow bldg. to B.O.B. in 8 minutes
 ISIP: return blow built to 3 1/2 inches
 FFP: B.O.B. in 10 minutes
 F/SIP: return blow built to 9 inches
 Recovery: 434' GIP; 186' GCO (30g, 70o), 252' GM&WCO (10g, 10m, 20w, 60o); 62' GO&MCW (10g, 10c, 10m, 70w); oil gravity 37 deg.; chl. of water was 35k
 FP: 37-101/107-209 SIP: 1144-1128
 HP: 1534-1500 BHT: 99 deg. F

40' spl - Ls: lt gray, tan, med brn cryptoxin and offwhite, tan mic-vfxln dense; Sh: strong influx red-brn and mottled red-gray shaly Ls

7:00 AM at 3247' on 10-12-2011

MudCo Mud Check at 3247'

9:50 AM on 10-12-2011
 wt vis vl pH chl
 8.8 46 5.2 11.0 900
 PV YP Gels lcm solids



47' spl - Sh: sl influx black carbon, Ls: predom. tan, lt gray cryptoxin; lesser offwhite mic-vfxln dense

CFS 3247' spils - Ls: tan, lt brn oolitic with poor to fair inter-oolitic por., common spar matrix, with fair to good odor, sl pungent, lt brn stain, sl show fo on break, occ offwhite vi-cryptoxin with patchy stain, offwhite micxln subchaly to chalky at base

60' spl - Irashy; Ls: tan, lt gray, lt brn cryptoxin; Sh: vc gray, red-brn

70' spl - Ls: good influx tan, lt brn cryptoxin and offwhite, tan mic-vfxln dense, NVP, N.S.

CFS 3273' 20' spl - Ls: flood offwhite mic-vfxln dense, subchaly to occ chalky, occ tan mic-vfxln with spotty ppt edge stain, occ partially oolitic with coarse sec. calcite xtals with spotty to even stain, trace fo on break, poss. lt odor; 45' spl - Ls: very predom. dense subchaly to chalky and var. cryptoxin dense, N.S.; some lt gray-green and med gray shale

90' spl - Sh: med to dark gray, sl influx black carbon; Ls: var. dense AA with sl increase med to dark brn cryptoxin to granular; sl influx mottled lt brn chert

3300' spl - Ls: influx med to dark gray vi-cryptoxin, NVP; some granular with poor to NVP; occ dark brn chert

10' spl - Ls: flood var. gray AA; med-dark brn vi-cryptoxin; some granular, strong influx tan, offwhite mic-vfxln dense; scatt. tan, lt brn, dark gray opq chert

20' spl - Ls: var. dense with incr. chert AA, Sh: lt-med gray

CFS 3323' 20' spl - Ls: several chips tan cryptoxin with spotty ppt stain in isolated tiny vug/ppt por., sl sfo on break, trace sg, even fluor., ft to no odor, 1-2 chips fr-med gran. with fair-good inter-particle por., ppt stain, sl sfo on break

40' spl - Sh: med to dark gray, gray-green, some red-brn, trace mottled gray/red; Ls: tan, offwhite mic-vfxln dense; sl mottled tan granular with offwhite micxln matrix, N.S.

50' spl - Ls: various tan, lt brn, lt gray predom. cryptoxin; offwhite micxln subchaly to occ chalky; trace tan/offwhite with vug. por. with spotty stain, no odor (looks like 160' show)

60' spl - Sh: sl influx med to dark gray, some black; very predom. Ls: tan, lt brn cryptoxin and offwhite, tan mic-vfxln dense, subchaly to occ chalky; occ dark brn cryptoxin

70' spl - Ls: tan, lt-med brn, some lt gray vi-cryptoxin, sl mottled IP

80' spl - Ls: var. cryptoxin AA; persistent offwhite mic-vfxln dense, subchaly IP

90' spl - minor % med to dark gray shale; Ls: mix AA with more med brn and gray cryptoxin

3400' spl - Ls: tan, lt-med brn, lt gray cryptoxin to sl mottled granular IP, NVP; occ yellow tinted Ls; Sh: sl incr red, red-brn, lt gray

10' spl - incr. mottled tan/brn/gray granular Ls with red-brn and gray-green shales

20' spl - Sh: red-brn, washes red, gray-green, trace yellow; various dense Ls's AA; occ mottled red-brn granular Ls

30' spl - Ls: incr. mottled red-brn granular with common Sh: red, red-brn, gray, gray-green

40' spl - Sh: incr. red-brn (washes red) with inter-bedded tan, gray, offwhite Ls; fossilif. IP, N.S.

50' spl - Ls: offwhite mic-vfxln and tan, lt gray vi-cryptoxin; Sh: vc gray, red-brn, red, some black, washes red

60' spl - very shaly AA with trace bryozoan fossil fragments; Ls: offwhite, tan dense, subchaly IP

70' spl - Sh: abund. vc gray and red-brn (washes red); Ls: var. dense AA with some mottled pink to orange vi-cryptoxin

80' spl - var. shales and Ls' sAA; some offwhite, lt gray mic-vfxln silty dolomite

90' spl - mixed and mottled shales with Ls's and dense silty dolomite AA; some dolomitic siltst and maroon shale

3500' spl - mix AA with influx tan, brn cryptoxin Ls and trace mottled yellow/gray dense Ls

10' spl - very shaly mix AA

20' spl - Ls: more mottled yellow/tan and pink/tan with red and red-brn siltst

7:00 AM at 3247' on 10-12-2011
MudCo Mud Check at 3247'
9:50 AM on 10-12-2011
WT VIS Wl pH chl
8.8 46 5.2 11.0 900
PV YP Gels lcm solids
10 19 8/11 # 3.6%

7:00 AM at 3273' on 10-13-2011

DST No. 3 Lansing 90' and 100' zones
Interval: 3251'-3273'
Times: 30-60-30-60
IFP: weak surface blow bldg. to 3/4 inch
FFP: no return
FSIP: no return
Recovery: 1' oil; 5' mud
FP: 14-15/16-16 SIP: 881-478
HP: 1562-1578 BHT: 92 deg. F

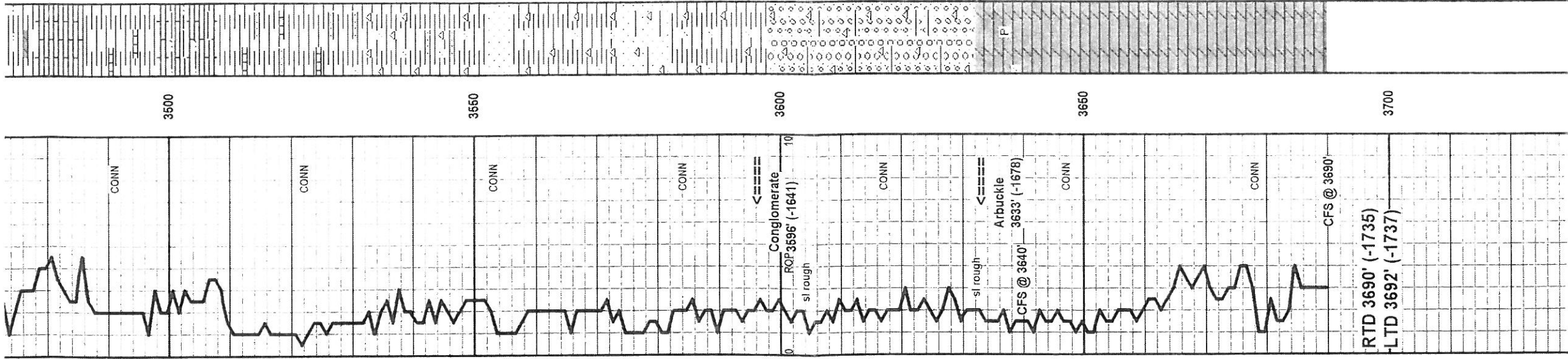
CFS 3323' 45' spl - Ls: fair influx tan cryptoxin with fair-good vug. por.; patchy brn stain, weak odor, sfo on break, predom. tan, offwhite mic-vfxln dense; lesser tan, lt brn cryptoxin, NVP

DST No. 4 Lansing 160' Zone
Interval: 3304'-3323'
Times: 30-45-90-90
IFP: weak surface blow built to 1/8 inch
ISIP: no return
FFP: surface blow built to 3 inches, dled back to 1 1/2 inches
FSIP: no return
Recovery: 50' GIP; 97' CGO (20g, 80o); 42' G&OCM (10g, 30o, 60m); oil grav. 30 deg.
FP: 15-31/32-68 SIP: 1193-1167
HP: 1585-1553 BHT: 98 deg. F

BKC 3383' (-1428)

samples wash red from 3400' to the top of the Atbuckle

7:00 AM at 3444' on 10-14-2011



90' spl - mixed and mottled shales with Ls and dense silty dolomite AA; some dolomitic siltst and maroon shale

3500' spl - mix AA with influx tan, brn cryptoxin Ls and trace mottled yellow/gray dense Ls

10' spl - very shaly mix AA

20' spl - Ls: more mottled yellow/tan and pink/tan with red and red-brn siltst

30' spl - Ls: various dense, mottled and granular IP with multi-colored shales and siltst

40' spl - Sh: multicolored, washes red, with pink and red tinted Ls; some offwhite fn-med grnd Sst, N.S.

50' spl - flood Sh: red, soft with good influx Chert: offwhite, tan, yellow, red, pink opq; some red sandy shale and shaly lg Sst; fairly common clear, orange, red fn-coarse qtz grains in spl tray

60' spl - shaly, sandy and cherty mix AA; common loose qtz grains

70' spl - very shaly mix AA; some multi-colored oolitic chert with moldic por.; loose fn-coarse qtz grains

80' spl - very shaly mix AA

90' spl - AA; trace offwhite st dolomitic chert with good vug, por., N.S.

3600' spl - very shaly and cherty mix; scatt. med to coarse orange qtz grains

10' spl - Sh: predom. red, red-brn (washes red) with various cherts and scatt. lt gray coarse to very coarse qtz grains

20'-40' spls are still flooded with red, red-brn shale with common cherts and loose qtz grains

CFS 3640' spls - very predom. very shaly, cherty and sandy mix with trace Dolo: lt gray fn-med/bn with some interxln and vug. por., some NVP, N.S.; incr. dolomite % in 45" spl

Dolo: lt gray, tan fn-med xln with some por. AA; some vf-cryptoxin with NVP, occ sandy, rarely pyritic, N.S.

Dolo: lt gray, tan fn-med xln and vf-cryptoxin, some por. AA; some offwhite mic-vfxln dense

Dolo: lt gray, tan AA, predom. NVP, occ tan sucrosic, N.S.

Dolo: lt gray, tan vf-cryptoxin and some mic-vfxln dense

Dolo: mix AA with influx med brn fn-med xln with interxln and vug. por.

MudCo Mud Check at 3618'
 10:46 AM on 10-14-2011
 wt vis wl pH chl
 9.2 52 7.2 11.0 1600
 PV YP Gels lcm solids
 15 25 11/32 1# 6.4%

Conglomerate 3596' (-1641)

Arbuckle 3633' (-1678)

RTD reached at 6:06 PM on 10-14-2011
 CFS 60" - short trip - CTCH 1 1/4 hours - drop survey - TOFL

Because of the positive results of DST No's 2 and 4, 4 1/2" casing was set for further testing through perforations.

Respectfully submitted,
Wesley D. Hansen
 Wesley D. Hansen
 Petroleum Geologist
 Kansas License No. 418