

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	FAIRCHILD 2-14
Doc ID	1357982

All Electric Logs Run

Dual Induction
Neutron - Density
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	FAIRCHILD 2-14
Doc ID	1357982

Tops

Name	Top	Datum
Heebner Shale	3162	(-1545)
Brown Limestone	3358	(-1741)
Lansing	3368	(1751)
Stark Shale	3703	(-2086)
Hertha	3746	(-2129)
Cherokee Shale	3948	(-2331)
Mississippian	4042	(-2425)
Mississippian Lime	4151	(-2534)
Kinderhook Shale	4244	(-2627)
Viola	4397	(-2780)
Simpson Dolomite	4426	(-2809)
Simpson Sand	4431	(-2814)
RTD	4525	(-2908)

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	FAIRCHILD 2-14
Doc ID	1357982

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4426 to 4430	Simpson Dolomite	
	4432 to 4435	Simpson Sand	
		Acidized all perms w/ 750 gal, MCA,	
		swab 70 bbls (50% Oil), SDFN;	
		Fl at 1000', swab 6.5 hrs,	
		Rec. 116 bbls water & 90 bbls oil,	
		Ran tubing & rods , POP (3/28/17) IP: 112 BOPD + 75 BWPD.	
		Prod rate declined to ~10 BOPD +175 BWPD	
		Pulled tubing & rods (5/19/2017), set CIBP @ 4431',	
		Simp Dolo. perms 4426 to 4430 open, ran tubing & rods	
		POP ~ 10 BOPD + 175 BWPD	



# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

6631

Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410  
Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date <u>3-7-17</u>	Sec. <u>22</u>	Twp. <u>28</u>	Range <u>8</u>	County <u>Kingman</u>	State <u>Ks</u>	On Location <u>1:30 AM</u>	Finish <u>4:10 PM</u>
Lease <u>Robbinson</u>	Well No. <u>1-22</u>		Location				
Contractor <u>Duke</u>				Owner			
Type Job <u>Surface</u>				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size <u>12 1/4</u>	T.D.						
Csg. <u>8 7/8</u>	Depth <u>273</u>			Charge To <u>Vincent</u>			
Tbg. Size	Depth			Street			
Tool	Depth			City State			
Cement Left in Csg. <u>20</u>	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	Displace <u>17.39</u>			Cement Amount Ordered <u>275sx 60/40 2% Gel</u>			
<b>EQUIPMENT</b>							
Pumptrk <u>8</u>	No.	<u>Davis</u>		Common <u>165</u>			
Bulktrk <u>9</u>	No.	<u>Miku</u>		Poz. Mix <u>110</u>			
Bulktrk	No.			Gel. <u>5</u>			
Pickup	No.	<u>Davis</u>		Calcium <u>9</u>			
<b>JOB SERVICES &amp; REMARKS</b>							
Rat Hole				Hulls			
Mouse Hole				Salt			
Centralizers				Flowseal <u>68.75</u>			
Baskets				Kol-Seal			
D/V or Port Collar				Mud CLR 48			
<u>Ran 7jts 8 7/8 csg. broke circulation</u>				CFL-117 or CD110 CAF 38			
<u>with rig mixer 275sx 60/40 2% gel 3% cc 14 C.F. Displaced with</u>				Sand			
<u>17.39 hbls. H2O cement did circulate.</u>				Handling <u>289</u>			
				Mileage <u>30</u>			
				<b>FLOAT EQUIPMENT</b>			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				<u>LMV 30</u>			
				<u>Service supervisor</u>			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>60</u>			
				Tax			
				Discount			
X Signature				Total Charge			

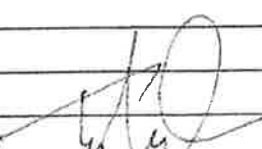
# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

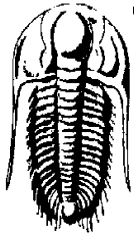
Home Office 324 Simpson St., Pratt, KS 67124

Office 620-727-3410  
Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	3-5-17	Sec.	14	Twp.	28	Range	8	County	Kingman	State	KS	On Location	8:30 <sup>am</sup>	Finish	11:45		
Lease	Fairchild	Well No.	2-14			Location											
Contractor	Duke							Owner									
Type Job	Long String							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Hole Size								T.D.									
Csg.	5.5	14 <sup>#</sup>	Depth		4525			Charge To Vincent									
Tbg. Size								Depth									
Tool								Depth									
Cement Left in Csg.								Shoe Joint		21.79			The above was done to satisfaction and supervision of owner agent or contractor				
Meas Line								Displace		110 bbls			Cement Amount Ordered 250 sk Pro C				
<b>EQUIPMENT</b>										10% salt							
Pumptrk	8	No.	Mike		Common Pro C 250 sk												
Bulktrk	9	No.	Derek		Poz. Mix												
Bulktrk		No.			Gel. 4												
Pickup		No.	Dave		Calcium												
<b>JOB SERVICES &amp; REMARKS</b>										Hulls							
Rat Hole	30 sk							Salt 24									
Mouse Hole	20 sk							Flowseal									
Centralizers								Kol-Seal 1125 #									
Baskets								Mud CLR 48 500 Gal Mud Flush									
D/V or Port Collar								GEL-117 or GDT118 GAF 38 CC-1 10 Gal/dies									
Pipe on bottom broke circulation Pumped Pre flush. Plugged Rat & Mouse with 50 sk cement. Mixed 200 sk Pro C. stopped washed up truck released plug. Displaced with 110 bbls KCl Water. Landed plug @ 1200 psi released Float Held.										Sand							
										Handling 278							
										Mileage 30							
<b>FLOAT EQUIPMENT</b>																	
										Guide Shoe 1 5.5							
										Centralizer 6 5.5							
										Baskets							
										AFU Inserts 1 5.5							
										Float Shoe							
										Latch-Down 1 5.5 Rubber Plug							
										LMU 30							
										Service Supervisor							
										Pumptrk Charge Long string							
										Mileage 60							
 X Signature										Tax Discount Total Charge							





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation  
200 W Douglas Ave #725  
Wichita, KS 67202  
ATTN: Tom Dudgeon

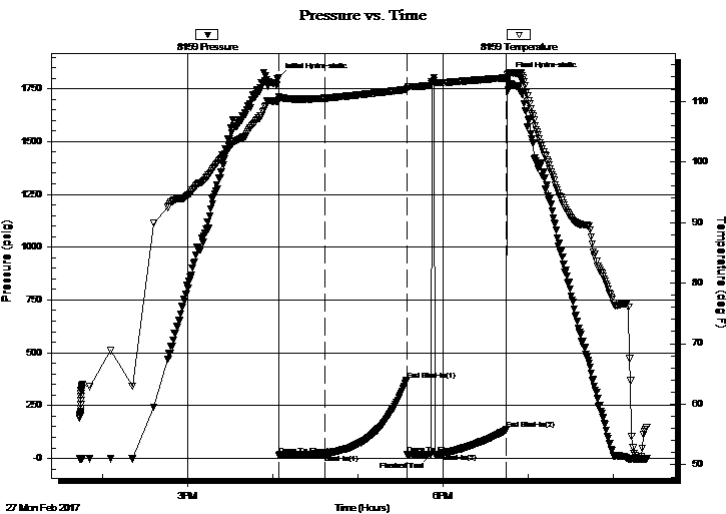
**14-28S-8W Kingman**  
**Fairchild 2-14**  
Job Ticket: 63567      **DST#: 1**  
Test Start: 2017.02.27 @ 13:43:31

## GENERAL INFORMATION:

Formation: **3695**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 16:04:01  
Time Test Ended: 20:23:16  
Interval: **3695.00 ft (KB) To 3718.00 ft (KB) (TVD)**  
Total Depth: 3718.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Leal Cason  
Unit No: 74  
Reference Elevations: 1617.00 ft (KB)  
1610.00 ft (CF)  
KB to GR/CF: 7.00 ft

**Serial #: 8159**      **Inside**  
Press@RunDepth: 22.38 psig @ 3696.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2017.02.27      End Date: 2017.02.27      Last Calib.: 2017.02.27  
Start Time: 13:43:32      End Time: 20:23:16      Time On Btm: 2017.02.27 @ 16:03:46  
Time Off Btm: 2017.02.27 @ 18:46:31

**TEST COMMENT:** IF: Weak 1/2 inch Blow  
IS: No Blow Back  
FF: Weak Surface Blow, Dead @ 7 minutes, Flushed Tool, No Blow  
FS: No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1804.03	110.77	Initial Hydro-static
1	15.30	110.21	Open To Flow (1)
33	20.11	110.51	Shut-In(1)
91	370.06	111.97	End Shut-In(1)
91	18.08	112.07	Open To Flow (2)
108	19.11	112.59	Flushed Tool
116	22.38	113.07	Shut-In(2)
161	135.84	113.87	End Shut-In(2)
163	1807.18	114.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

## Gas Rates

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



**TRILOBITE TESTING, INC.**

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Vincent Oil Corporation  
 200 W Douglas Ave #725  
 Wichita, KS 67202  
 ATTN: Tom Dudgeon

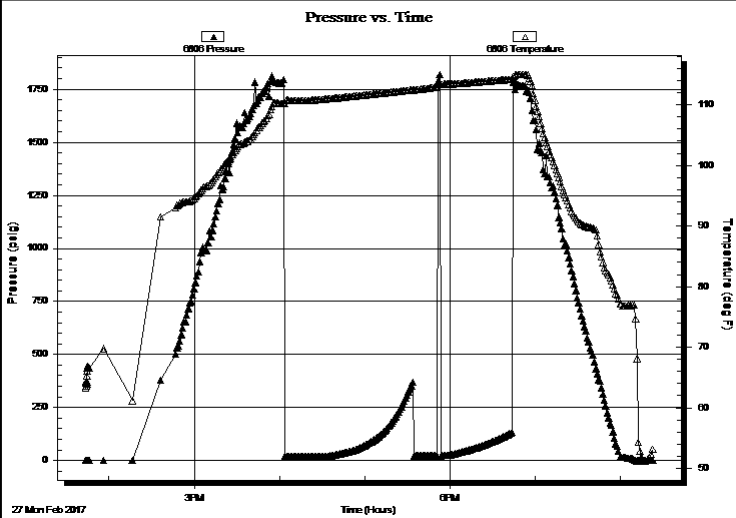
**14-28S-8W Kingman**  
**Fairchild 2-14**  
 Job Ticket: 63567      **DST#: 1**  
 Test Start: 2017.02.27 @ 13:43:31

**GENERAL INFORMATION:**

Formation:	<b>3695</b>				
Deviated:	No Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Initial)	
Time Tool Opened:	16:04:01		Tester:	Leal Cason	
Time Test Ended:	20:23:16		Unit No:	74	
<b>Interval:</b>	<b>3695.00 ft (KB) To 3718.00 ft (KB) (TVD)</b>		Reference Elevations:	1617.00 ft (KB)	
Total Depth:	3718.00 ft (KB) (TVD)			1610.00 ft (CF)	
Hole Diameter:	7.88 inches		Hole Condition:	Good	
			KB to GR/CF:	7.00 ft	

<b>Serial #: 6806</b>	<b>Outside</b>				
Press@RunDepth:	psig @	3696.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2017.02.27	End Date:	2017.02.27	Last Calib.:	2017.02.27
Start Time:	13:43:32	End Time:	20:23:01	Time On Btm:	
				Time Off Btm:	

**TEST COMMENT:** IF: Weak 1/2 inch Blow  
 IS: No Blow Back  
 FF: Weak Surface Blow, Dead @ 7 minutes, Flushed Tool, No Blow  
 FS: No Blow Back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vincent Oil Corporation

**14-28S-8W Kingman**

200 W Douglas Ave #725  
Wichita, KS 67202

**Fairchild 2-14**

Job Ticket: 63567

**DST#: 1**

ATTN: Tom Dudgeon

Test Start: 2017.02.27 @ 13:43:31

### 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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8159

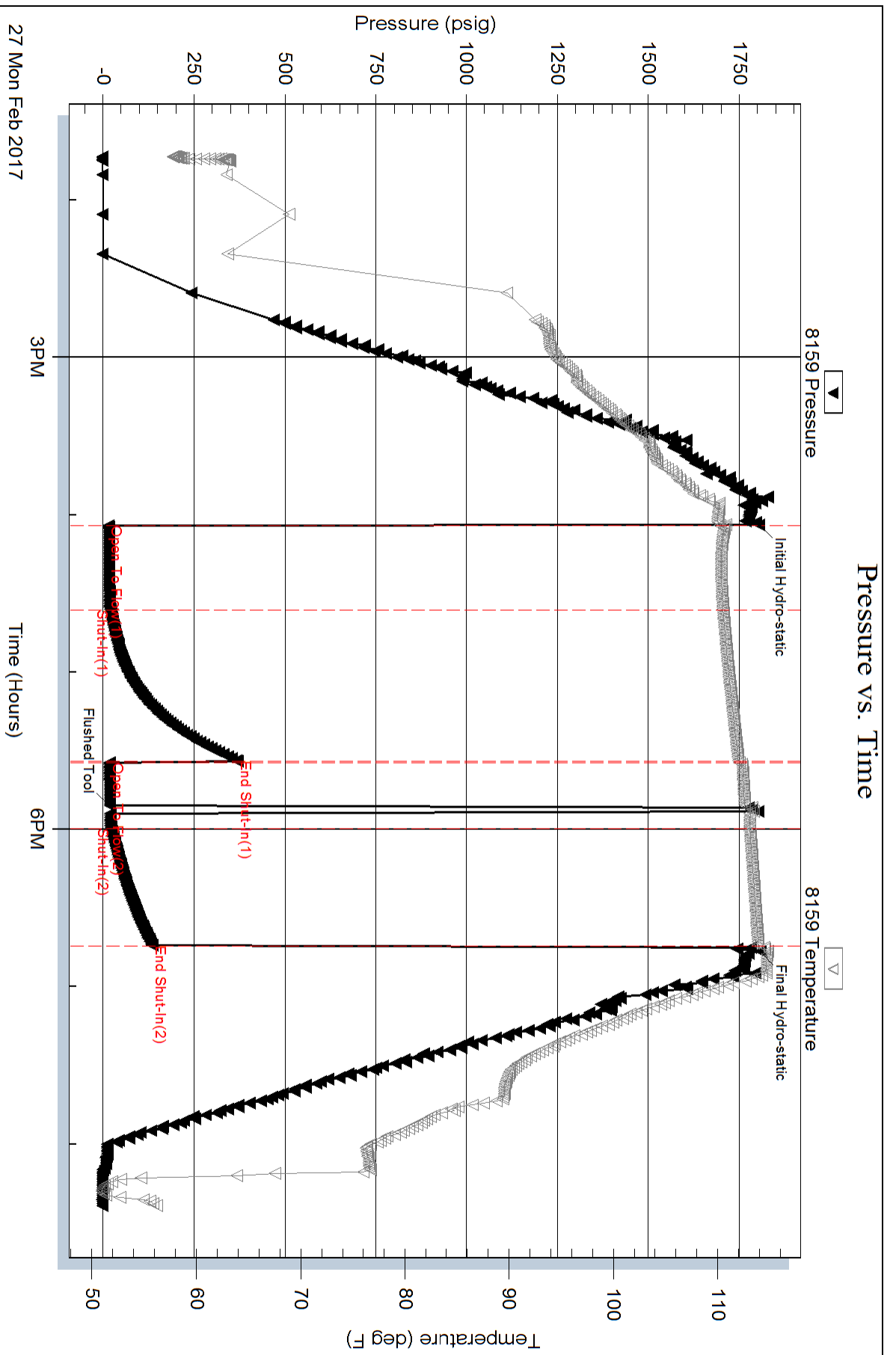
Inside

Vincent Oil Corporation

Fairchild 2-14

DST Test Number: 1

# Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63567

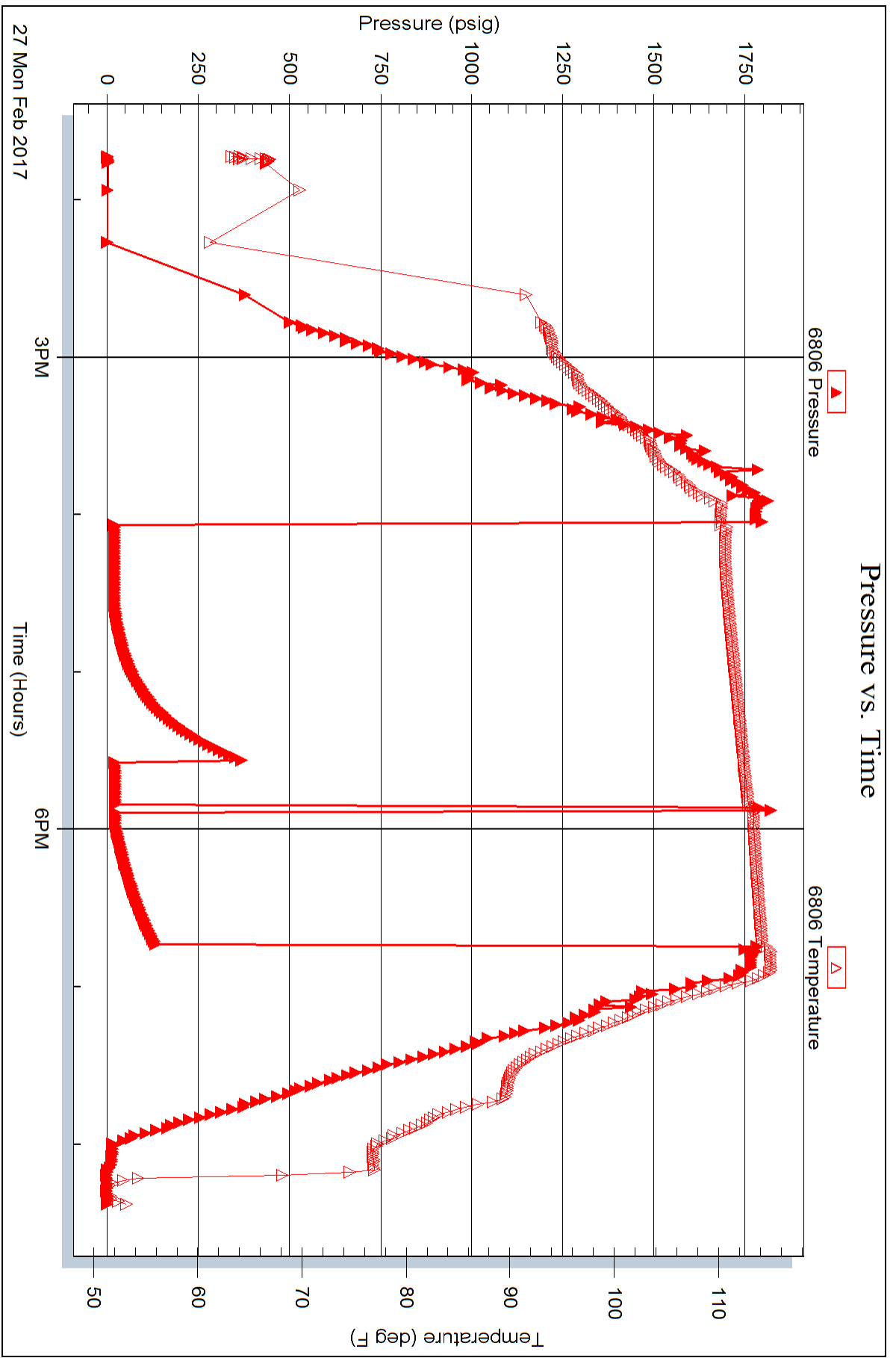
Printed: 2017.02.27 @ 20:52:35

Serial #: 6806

Outside Vincent Oil Corporation

Fairchild 2-14

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63567

Printed: 2017.02.27 @ 20:52:35



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation  
 200 W Douglas Ave #725  
 Wichita, KS 67202  
 ATTN: Tom Dudgeon

**14-28S-8W Kingman**  
**Fairchild 2-14**  
 Job Ticket: 63568 **DST#: 2**  
 Test Start: 2017.02.28 @ 06:52:08

## GENERAL INFORMATION:

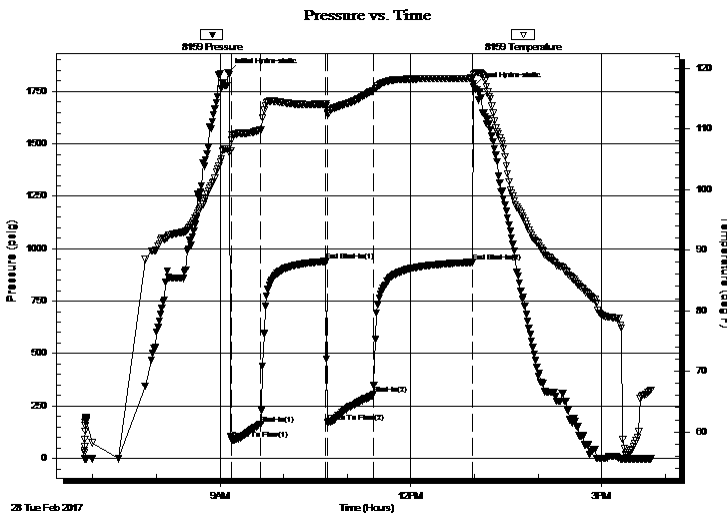
Formation: **Hertha**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:10:38  
 Time Test Ended: 15:47:08  
 Interval: **3730.00 ft (KB) To 3775.00 ft (KB) (TVD)**  
 Total Depth: 3775.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 1617.00 ft (KB)  
 1610.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 8159

Inside

Press@RunDepth: 307.79 psig @ 3731.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.02.28 End Date: 2017.02.28 Last Calib.: 2017.02.28  
 Start Time: 06:52:09 End Time: 15:47:08 Time On Btm: 2017.02.28 @ 09:07:38  
 Time Off Btm: 2017.02.28 @ 12:59:08

**TEST COMMENT:** IF: Strong Blow , BOB in 30 seconds, GTS in 13 minutes, Caught Sample, Gauged Gas  
 IS: Blow Back Built to 4 inches  
 FF: Strong Blow , BOB in 45 seconds, GTS immediate, Gauged Gas  
 FS: Blow Back Built to BOB in 20 minutes



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.38	106.78	Initial Hydro-static
3	90.96	108.11	Open To Flow (1)
31	164.46	109.88	Shut-In(1)
93	939.42	114.10	End Shut-In(1)
94	171.83	112.59	Open To Flow (2)
138	307.79	116.34	Shut-In(2)
231	934.75	118.36	End Shut-In(2)
232	1773.23	118.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	2926 GIP	0.00
252.00	GMWCO 30%G 10%M 20%W 40%O	3.53
535.00	GSY Oil 20%G 80%O	7.50

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	12.00	9.88
Last Gas Rate	0.13	19.00	12.50
Max. Gas Rate	0.13	19.00	12.50



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Vincent Oil Corporation  
 200 W Douglas Ave #725  
 Wichita, KS 67202  
 ATTN: Tom Dudgeon

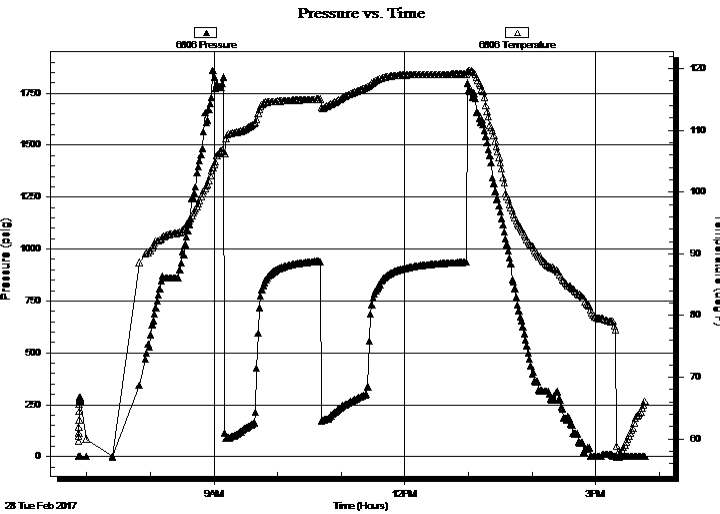
**14-28S-8W Kingman**  
**Fairchild 2-14**  
 Job Ticket: 63568      **DST#: 2**  
 Test Start: 2017.02.28 @ 06:52:08

### GENERAL INFORMATION:

Formation: **Hertha**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 09:10:38  
 Tester: Leal Cason  
 Time Test Ended: 15:47:08  
 Unit No: 74  
**Interval: 3730.00 ft (KB) To 3775.00 ft (KB) (TVD)**  
 Reference Elevations: 1617.00 ft (KB)  
 Total Depth: 3775.00 ft (KB) (TVD)  
 1610.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 KB to GR/CF: 7.00 ft

**Serial #: 6806 Outside**  
 Press@RunDepth: psig @ 3731.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2017.02.28      End Date: 2017.02.28      Last Calib.: 2017.02.28  
 Start Time: 06:52:09      End Time: 15:47:08      Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: Strong Blow , BOB in 30 seconds, GTS in 13 minutes, Caught Sample, Gauged Gas  
 IS: Blow Back Built to 4 inches  
 FF: Strong Blow , BOB in 45 seconds, GTS immediate, Gauged Gas  
 FS: Blow Back Built to BOB in 20 minutes



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	2926 GIP	0.00
252.00	GMWCO 30%G 10%M 20%W 40%O	3.53
535.00	GSY Oil 20%G 80%O	7.50

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	12.00	9.88
Last Gas Rate	0.13	19.00	12.50
Max. Gas Rate	0.13	19.00	12.50

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vincent Oil Corporation

**14-28S-8W Kingman**

200 W Douglas Ave #725  
Wichita, KS 67202

**Fairchild 2-14**

Job Ticket: 63568

**DST#: 2**

ATTN: Tom Dudgeon

Test Start: 2017.02.28 @ 06:52:08

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41.3 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

66000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2926 GIP	0.000
252.00	GMWCO 30%G 10%M 20%W 40%O	3.535
535.00	GSY Oil 20%G 80%O	7.505

Total Length: 787.00 ft      Total Volume: 11.040 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as 41.8 @ 65 degrees

RW w as .13 @ 63 degrees





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Vincent Oil Corporation  
200 W Douglas Ave #725  
Wichita, KS 67202  
ATTN: Tom Dudgeon

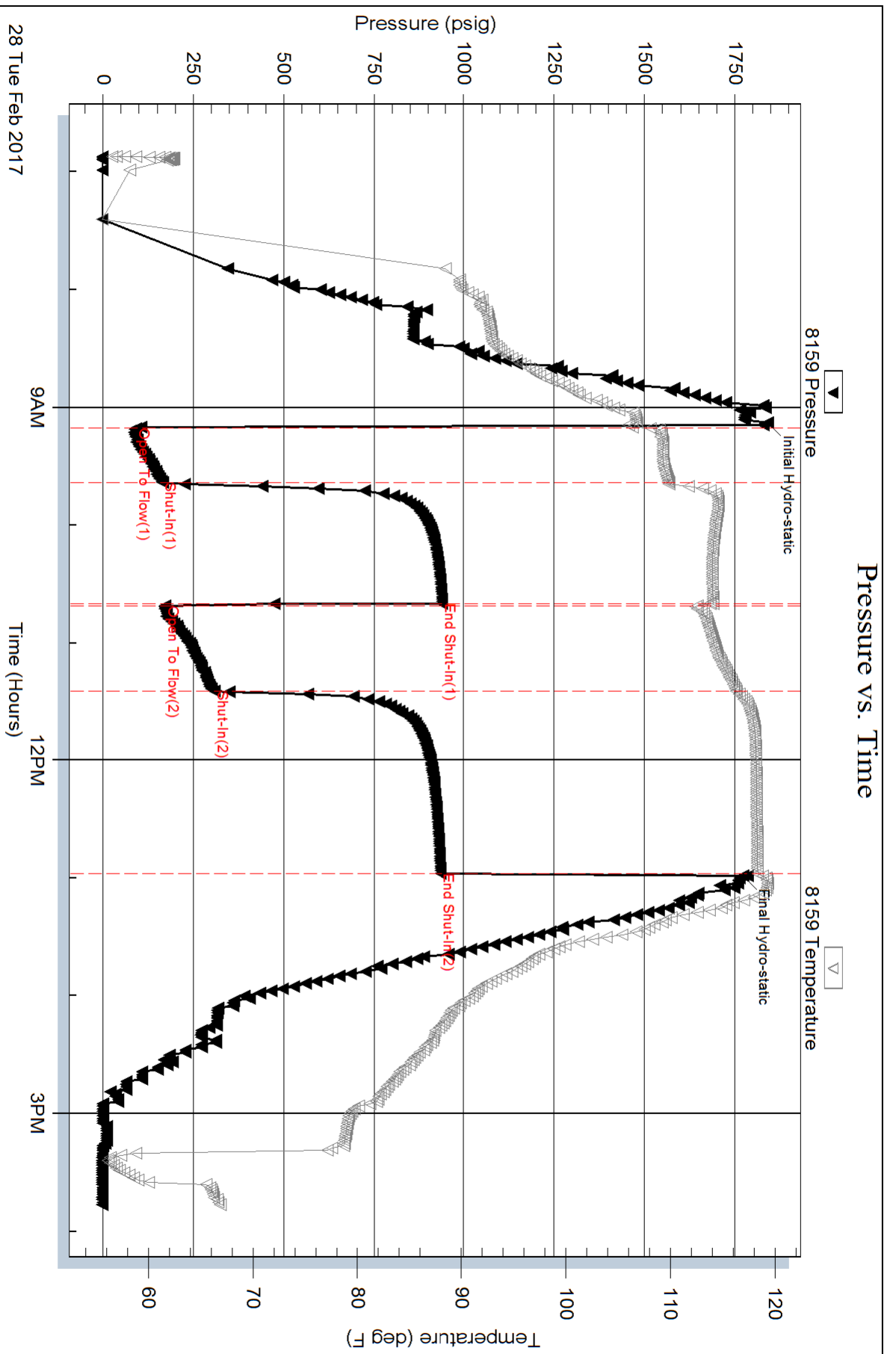
**14-28S-8W Kingman**  
**Fairchild 2-14**  
Job Ticket: 63568      **DST#: 2**  
Test Start: 2017.02.28 @ 06:52:08

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.13	12.00	9.88
1	25	0.13	13.00	10.26
1	30	0.13	13.00	10.26
2	10	0.13	7.00	8.01
2	20	0.13	14.00	10.63
2	30	0.13	17.00	11.75
2	40	0.13	18.00	12.13
2	45	0.13	19.00	12.50

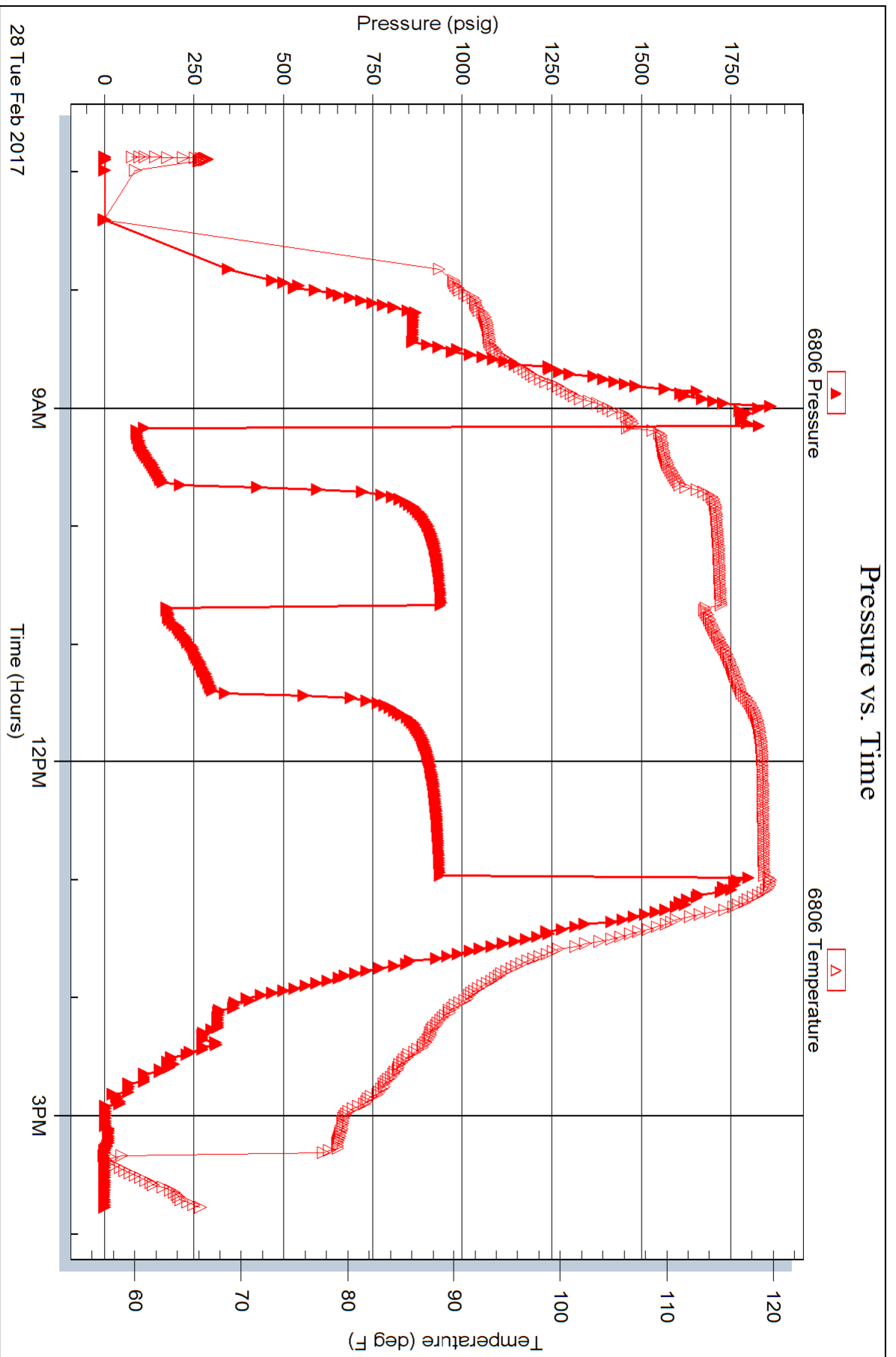


Serial #: 6806

Outside Vincent Oil Corporation

Fairchild 2-14

DST Test Number: 2





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation  
 200 W Douglas Ave #725  
 Wichita, KS 67202  
 ATTN: Tom Dudgeon

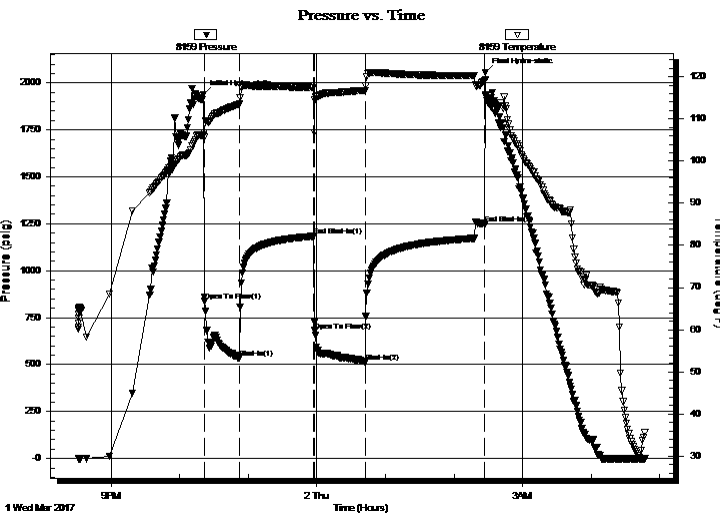
**14-28S-8W Kingman**  
**Fairchild 2-14**  
 Job Ticket: 63569 **DST#: 3**  
 Test Start: 2017.03.01 @ 20:31:34

## GENERAL INFORMATION:

Formation: **3965**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:21:34  
 Time Test Ended: 04:47:34  
 Interval: **3965.00 ft (KB) To 4065.00 ft (KB) (TVD)**  
 Total Depth: 4065.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 1617.00 ft (KB)  
 1610.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8159 Inside**  
 Press@RunDepth: 515.19 psig @ 3966.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.03.01 End Date: 2017.03.02 Last Calib.: 2017.03.02  
 Start Time: 20:31:35 End Time: 04:47:34 Time On Btm: 2017.03.01 @ 22:20:49  
 Time Off Btm: 2017.03.02 @ 02:27:19

**TEST COMMENT:** IF: Strong Blow , BOB in 30 seconds, GTS in 3 minutes, Gauged & Caught Sample  
 IS: Would Not Bleed Off  
 FF: Strong Blow , BOB & GTS immediate, Gauged Gas  
 FS: Strong Blow , BOB & GTS Immediate, Gauged Gas



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1936.66	106.16	Initial Hydro-static
1	836.61	105.65	Open To Flow (1)
32	534.25	113.53	Shut-In(1)
96	1183.17	117.51	End Shut-In(1)
98	680.08	114.45	Open To Flow (2)
142	515.19	116.71	Shut-In(2)
246	1247.18	119.06	End Shut-In(2)
247	2055.73	119.35	Final Hydro-static

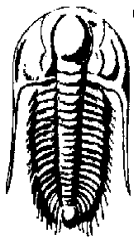
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
240.00	GCM 10%G 90%M	3.37

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	80.00	2713.89
Last Gas Rate	1.00	60.00	2138.91
Max. Gas Rate	1.00	80.00	2713.89



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation  
200 W Douglas Ave #725  
Wichita, KS 67202  
ATTN: Tom Dudgeon

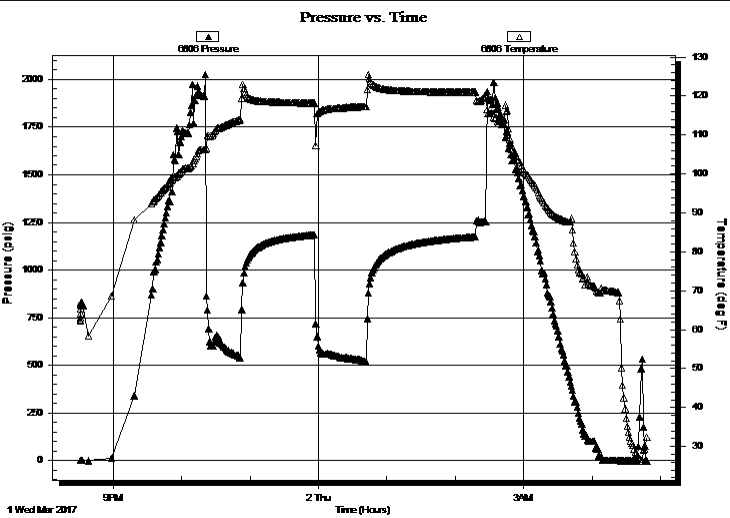
**14-28S-8W Kingman**  
**Fairchild 2-14**  
Job Ticket: 63569 **DST#: 3**  
Test Start: 2017.03.01 @ 20:31:34

**GENERAL INFORMATION:**

Formation: **3965**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 22:21:34 Tester: Leal Cason  
Time Test Ended: 04:47:34 Unit No: 74  
Interval: **3965.00 ft (KB) To 4065.00 ft (KB) (TVD)** Reference Elevations: 1617.00 ft (KB)  
Total Depth: 4065.00 ft (KB) (TVD) 1610.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 7.00 ft

**Serial #: 6806 Outside**  
Press@RunDepth: psig @ 3966.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2017.03.01 End Date: 2017.03.02 Last Calib.: 2017.03.02  
Start Time: 20:31:35 End Time: 04:47:49 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: Strong Blow , BOB in 30 seconds, GTS in 3 minutes, Gauged & Caught Sample  
IS: Would Not Bleed Off  
FF: Strong Blow , BOB & GTS immediate, Gauged Gas  
FSI: Strong Blow , BOB & GTS Immediate, Gauged Gas



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
240.00	GCM 10%G 90%M	3.37

**Gas Rates**

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	80.00	2713.89
Last Gas Rate	1.00	60.00	2138.91
Max. Gas Rate	1.00	80.00	2713.89

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vincent Oil Corporation

**14-28S-8W Kingman**

200 W Douglas Ave #725  
Wichita, KS 67202

**Fairchild 2-14**

Job Ticket: 63569

**DST#: 3**

ATTN: Tom Dudgeon

Test Start: 2017.03.01 @ 20:31:34

## 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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GTS	0.000
240.00	GCM 10%G 90%M	3.367

Total Length: 240.00 ft      Total Volume: 3.367 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Vincent Oil Corporation  
200 W Douglas Ave #725  
Wichita, KS 67202  
ATTN: Tom Dudgeon

**14-28S-8W Kingman**  
**Fairchild 2-14**  
Job Ticket: 63569      **DST#: 3**  
Test Start: 2017.03.01 @ 20:31:34

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	1.00	80.00	2713.89
1	20	1.00	60.00	2138.91
1	30	1.00	60.00	2138.91
2	10	1.00	70.00	2426.40
2	20	1.00	60.00	2138.91
2	30	1.00	60.00	2138.91
2	40	1.00	60.00	2138.91

Serial #: 8159

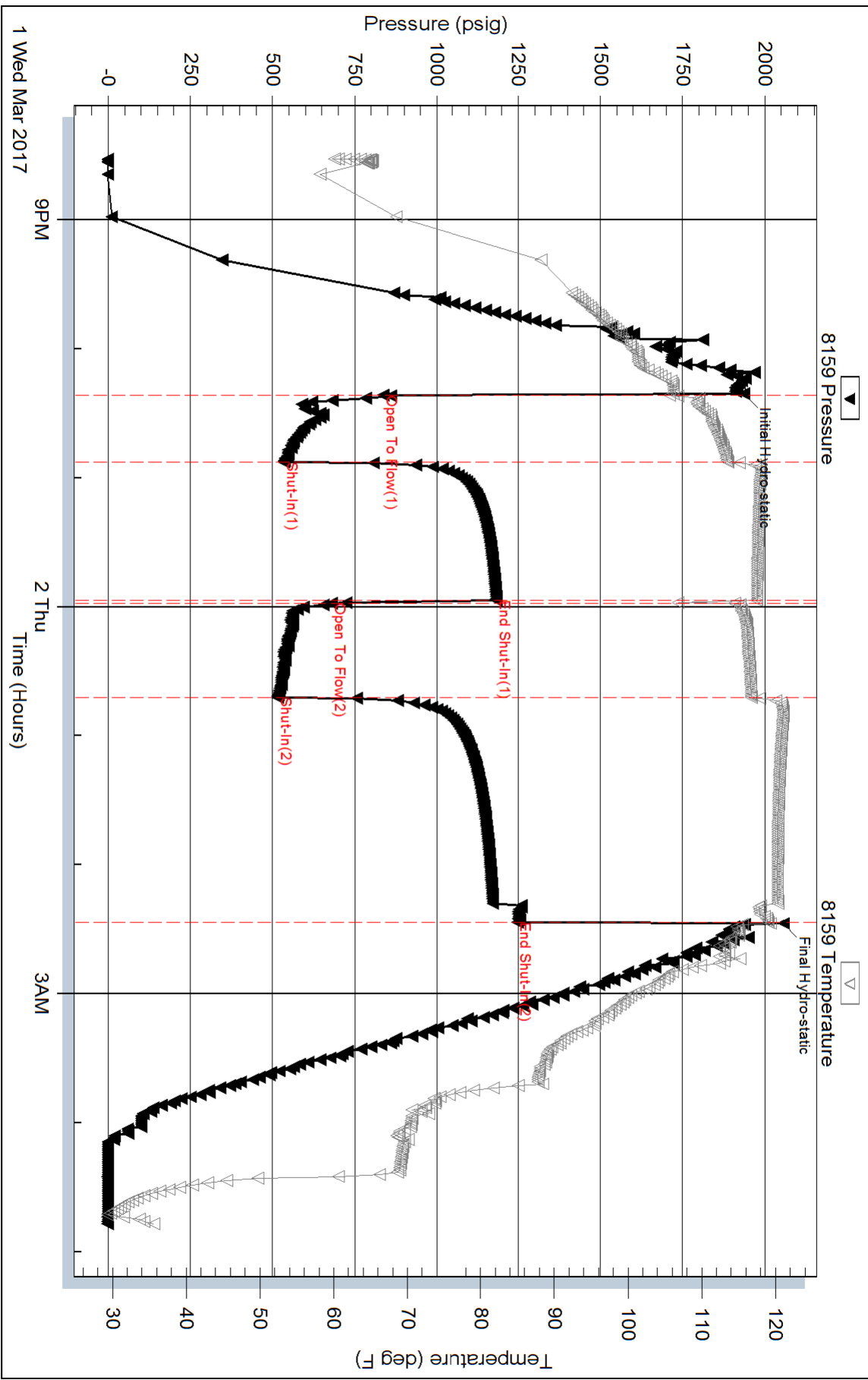
Inside

Vincent Oil Corporation

Fairchild 2-14

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63569

Printed: 2017.03.02 @ 08:08:44

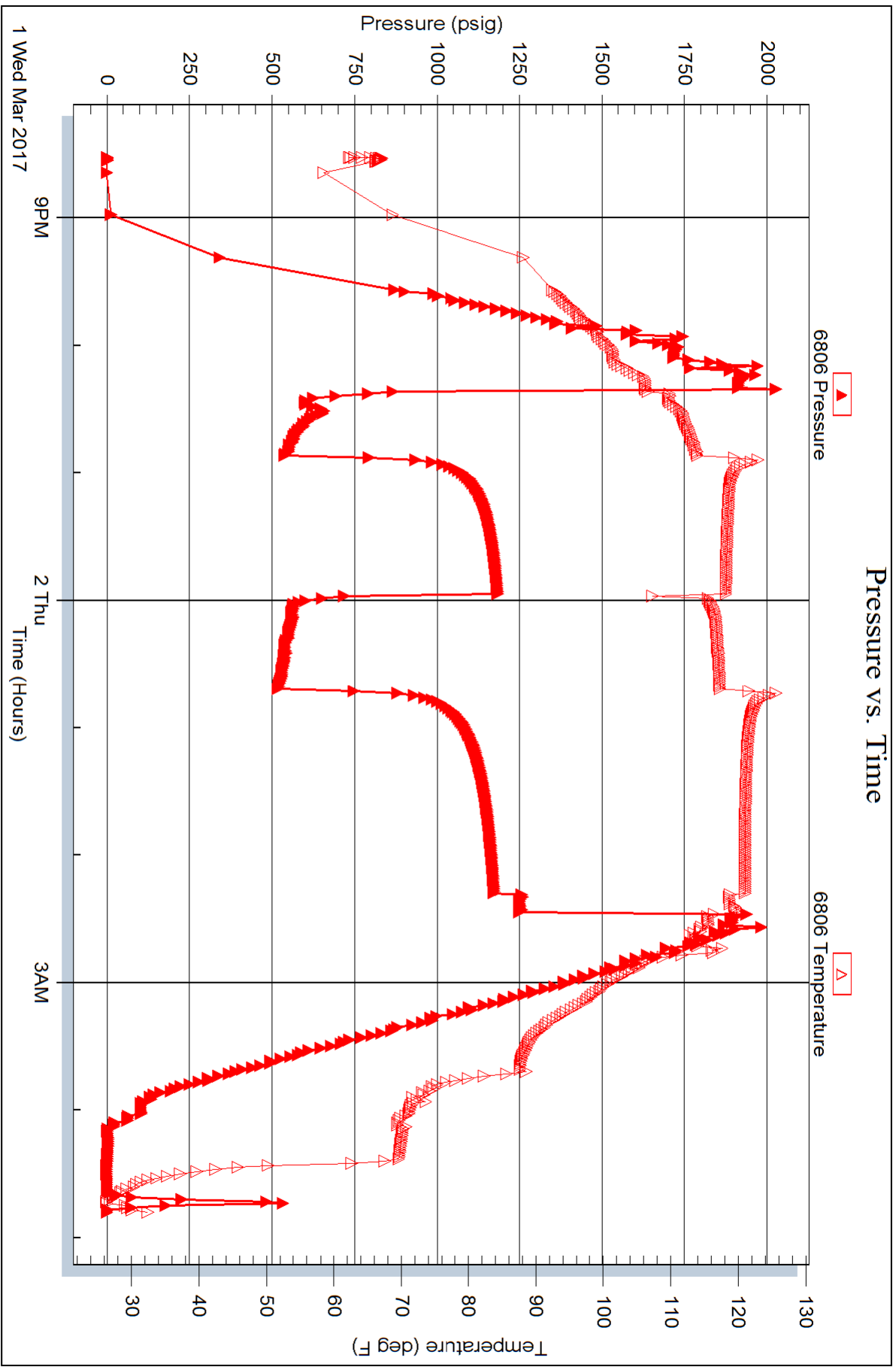


Serial #: 6806

Outside Vincent Oil Corporation

Fairchild 2-14

DST Test Number: 3





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation  
200 W Douglas Ave #725  
Wichita, KS 67202  
ATTN: Tom Dudgeon

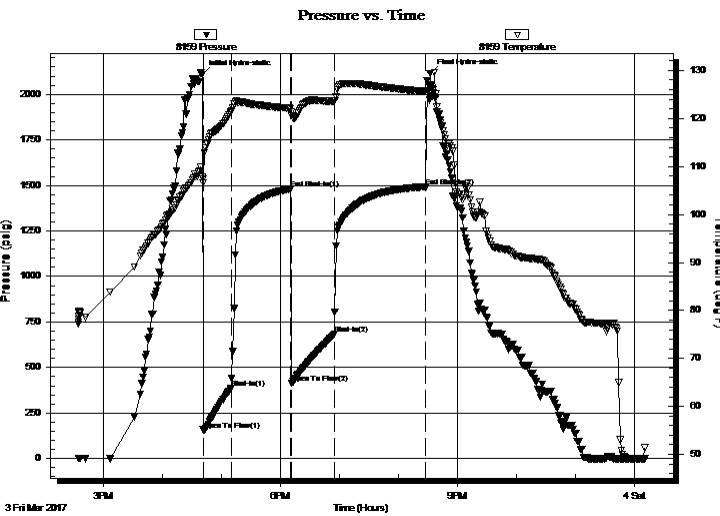
**14-28S-8W Kingman**  
**Fairchild 2-14**  
Job Ticket: 63570      **DST#: 4**  
Test Start: 2017.03.03 @ 14:35:02

## GENERAL INFORMATION:

Formation: **Viola/Simpson**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 16:41:32      Tester: Leal Cason  
Time Test Ended: 00:10:47      Unit No: 74  
**Interval: 4235.00 ft (KB) To 4440.00 ft (KB) (TVD)**      Reference Elevations: 1617.00 ft (KB)  
Total Depth: 4440.00 ft (KB) (TVD)      1610.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good      KB to GR/CF: 7.00 ft

**Serial #: 8159      Inside**  
Press@RunDepth: 682.71 psig @ 4236.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2017.03.03      End Date: 2017.03.04      Last Calib.: 2017.03.04  
Start Time: 14:35:03      End Time: 00:10:47      Time On Btm: 2017.03.03 @ 16:40:32  
Time Off Btm: 2017.03.03 @ 20:32:17

**TEST COMMENT:** IF: Strong Blow , BOB in 90 seconds  
IS: Weak Surface Blow Back, Died Off  
FF: Strong Blow , BOB in 2 minutes, GTS in 12 minutes, Caught Sample, TSTM  
FSI: Blow Back Built to BOB in 5 minutes



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.34	107.75	Initial Hydro-static
1	157.88	106.62	Open To Flow (1)
30	384.57	121.41	Shut-In(1)
90	1481.48	122.11	End Shut-In(1)
91	413.16	121.35	Open To Flow (2)
135	682.71	123.63	Shut-In(2)
228	1493.31	125.58	End Shut-In(2)
232	2112.54	124.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	2513 GIP	0.00
1071.00	GMCO 30%G 20%M 50%O	15.02
378.00	GOCM 10%G 20%O 70%M	5.30
252.00	GCM 20%G 80%M	3.53

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation  
200 W Douglas Ave #725  
Wichita, KS 67202  
ATTN: Tom Dudgeon

**14-28S-8W Kingman**  
**Fairchild 2-14**  
Job Ticket: 63570      **DST#: 4**  
Test Start: 2017.03.03 @ 14:35:02

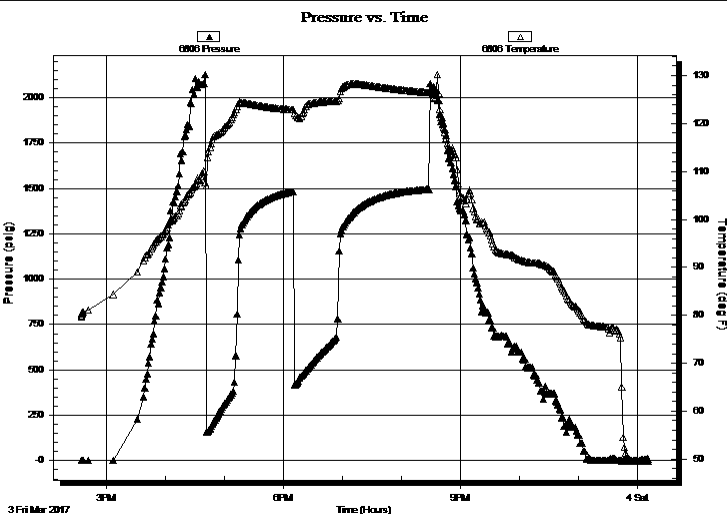
### GENERAL INFORMATION:

Formation: <b>Viola/Simpson</b>		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 16:41:32		Tester: Leal Cason
Time Test Ended: 00:10:47		Unit No: 74
<b>Interval: 4235.00 ft (KB) To 4440.00 ft (KB) (TVD)</b>		Reference Elevations: 1617.00 ft (KB)
Total Depth: 4440.00 ft (KB) (TVD)		1610.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 7.00 ft

**Serial #: 6806 Outside**

Press@RunDepth: psig @ 4236.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2017.03.03	End Date: 2017.03.04
Start Time: 14:35:03	End Time: 00:10:47
	Last Calib.: 2017.03.04
	Time On Btm:
	Time Off Btm:

**TEST COMMENT:** IF: Strong Blow , BOB in 90 seconds  
 IS: Weak Surface Blow Back, Died Off  
 FF: Strong Blow , BOB in 2 minutes, GTS in 12 minutes, Caught Sample, TSTM  
 FS: Blow Back Built to BOB in 5 minutes



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	2513 GIP	0.00
1071.00	GMCO 30%G 20%M 50%O	15.02
378.00	GOCM 10%G 20%O 70%M	5.30
252.00	GCM 20%G 80%M	3.53

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vincent Oil Corporation

**14-28S-8W Kingman**

200 W Douglas Ave #725  
Wichita, KS 67202

**Fairchild 2-14**

Job Ticket: 63570

**DST#: 4**

ATTN: Tom Dudgeon

Test Start: 2017.03.03 @ 14:35:02

## 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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2513 GIP	0.000
1071.00	GMCO 30%G 20%M 50%O	15.023
378.00	GOCM 10%G 20%O 70%M	5.302
252.00	GCM 20%G 80%M	3.535

Total Length: 1701.00 ft

Total Volume: 23.860 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8159

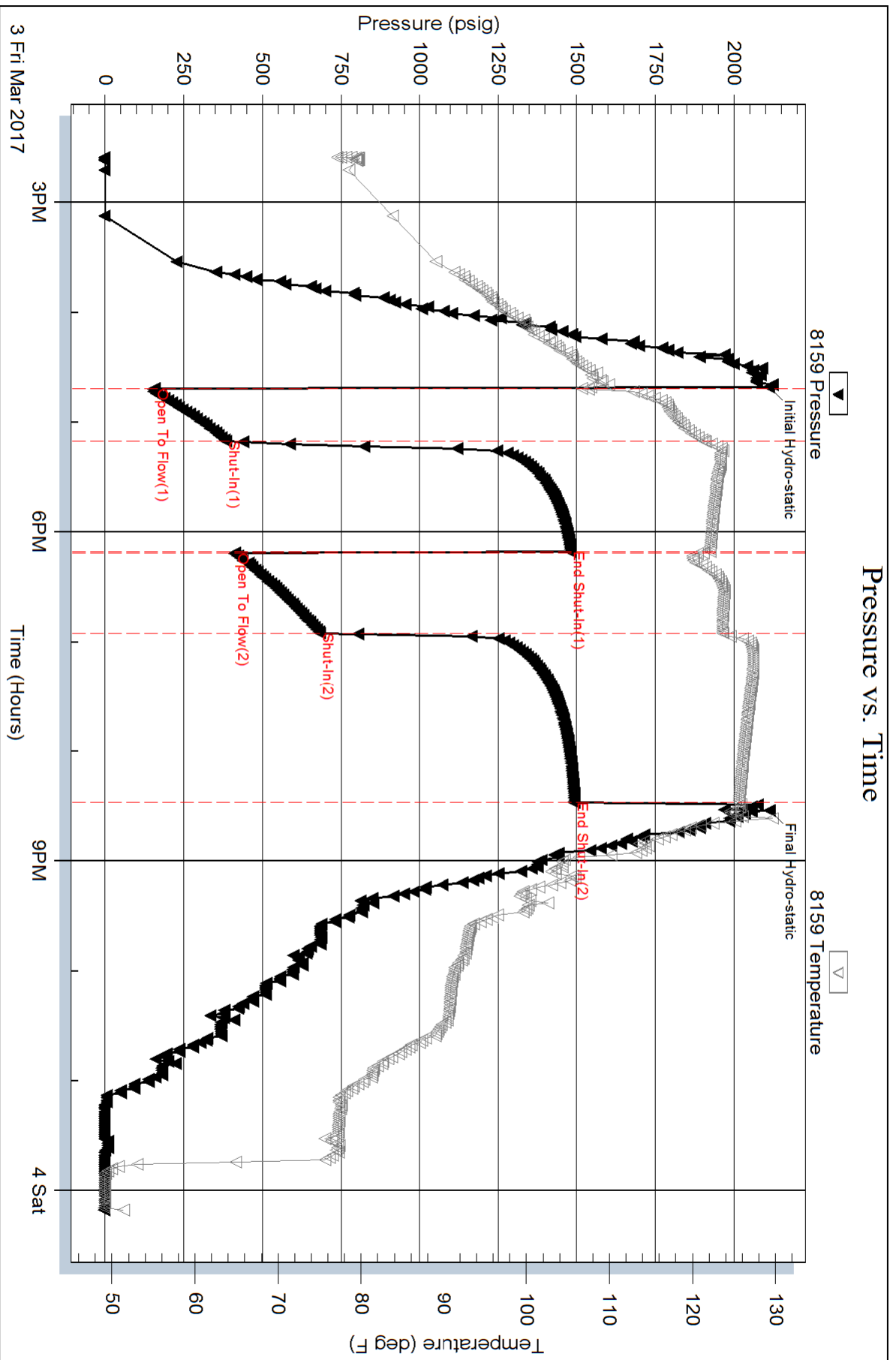
Inside

Vincent Oil Corporation

Fairchild 2-14

DST Test Number: 4

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63570

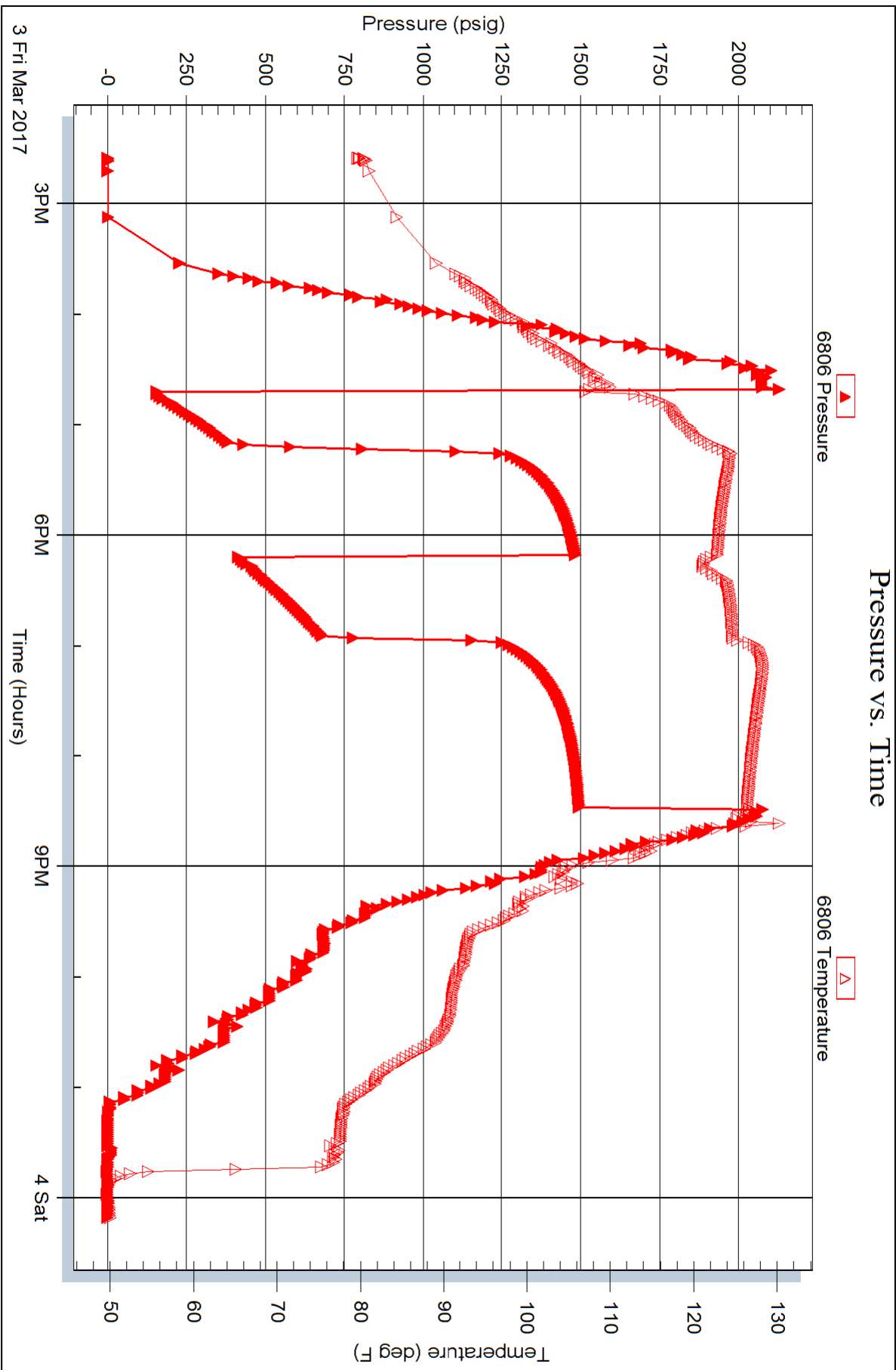
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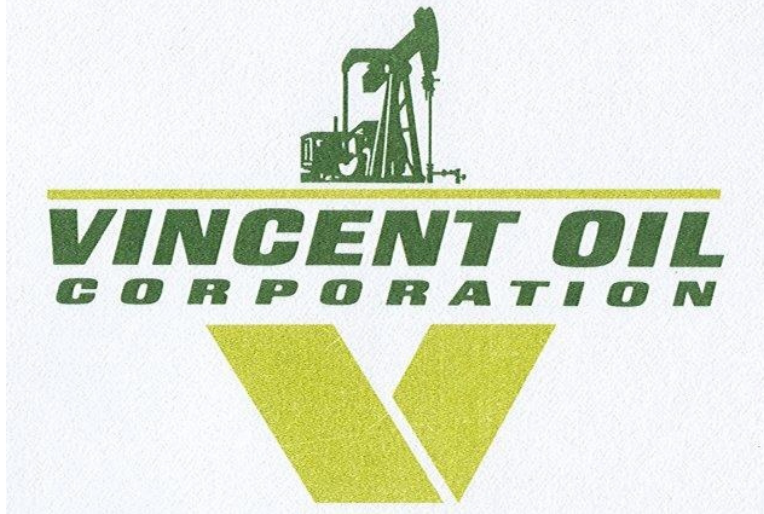
Serial #: 6806

Outside Vincent Oil Corporation

Fairchild 2-14

DST Test Number: 4





Scale 1:240 Imperial

Well Name: Fairchild 2-14  
Surface Location: 499' FSL\_1804' FWL 8-28S-8W  
Bottom Location: NE SW SE SW  
API: 15-095-22306  
License Number: 5004  
Spud Date: 2/21/2017 Time: 8:15 PM  
Region: Central KS  
Drilling Completed: 3/4/2017 Time: 11:30 AM  
Surface Coordinates: 499' FSL & 1804' FWL  
Bottom Hole Coordinates:  
Ground Elevation: 1609.00ft  
K.B. Elevation: 1617.00ft  
Logged Interval: 1300.00ft To: 0.00ft  
Total Depth: 4525.00ft  
Formation: Mississippian  
Drilling Fluid Type: Chemical

#### OPERATOR

Company: Vincent Oil Corporation  
Address: 200 W Douglas Ave  
Wichita, KS 67202  
Ste 725  
Contact Geologist: Dick Jordan  
Contact Phone Nbr: 316-262-3573  
Well Name: Fairchild 2-14  
Location: 499' FSL\_1804' FWL 8-28S-8W API: 15-095-22306  
Pool: Development Field: Garlisch  
State: KS Country: Kingman

#### LOGGED BY

Company: Vincent Oil Corporation  
Address: 200 W Douglas Ave  
Wichita, KS 67202  
Ste 725  
Phone Nbr: 316-262-3573  
Logged By: Geologist Name: Tom Dudgeon

#### CONTRACTOR

Contractor: Duke Drilling Co., Inc.  
Rig #: 8  
Rig Type: Rotary Double  
Spud Date: 2/21/2017 Time: 8:15 PM  
TD Date: 3/4/2017 Time: 11:30 AM  
Rig Release: 3/5/2017 Time: 11:45 AM

#### SURFACE CO-ORDINATES

Well Type: Vertical  
Longitude: 08 1656771  
Latitude: 37 6050654

Longitude: -96.1656771  
 N/S Co-ord: 499' FSL  
 E/W Co-ord: 1804' FWL

Latitude: 37.6030634

### ELEVATIONS

K.B. Elevation: 1617.00ft      Ground Elevation: 1609.00ft  
 K.B. to Ground: 8.00ft

### TOTAL DEPTH

Measurement Type:	Measurement Depth:	TVD:
RTD	4525.00	4526.00
LTD	4526.00	4526.00

### DRILLING FLUID SUMMARY

Type	Date	From Depth	To Depth
Chemical	2/22/2017	0.00ft	4526.00ft

### OPEN HOLE LOGS

Logging Company: ELI  
 Logging Engineer: Jeff Luebbers  
 Truck #: 922339  
 Logging Date: 3/4/2017      Time Spent: 7  
 # Logs Run: 4      # Logs Run Successful: 4

### LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
DI	0.00ft	4526.00ft	3.00		1
NEU/DEN/PE	1300.00ft	4526.00ft	3.00		1
Micro	1300.00ft	4526.00ft	4.00		2
Sonic	0.00ft	4526.00ft	4.00		2

### LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
2/24/2017	0.00ft	4526.00ft	Logs ran successfully

### CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size	12.25 in		7.88 in		
Hole Size	12.25 in		7.88 in		
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8.625 in	302 ft	23#	7	2/22/2017 4:15 PM
Int Casing					
Prod Casing	5.5 in	4523 ft	14#	108	

### CASING SEQUENCE

Type	Hole Size	Casing Size	At
Surface 23#	12.25 in	8.63	302.00 ft
Production 14#	7.88 in	5.50	4523.00 ft

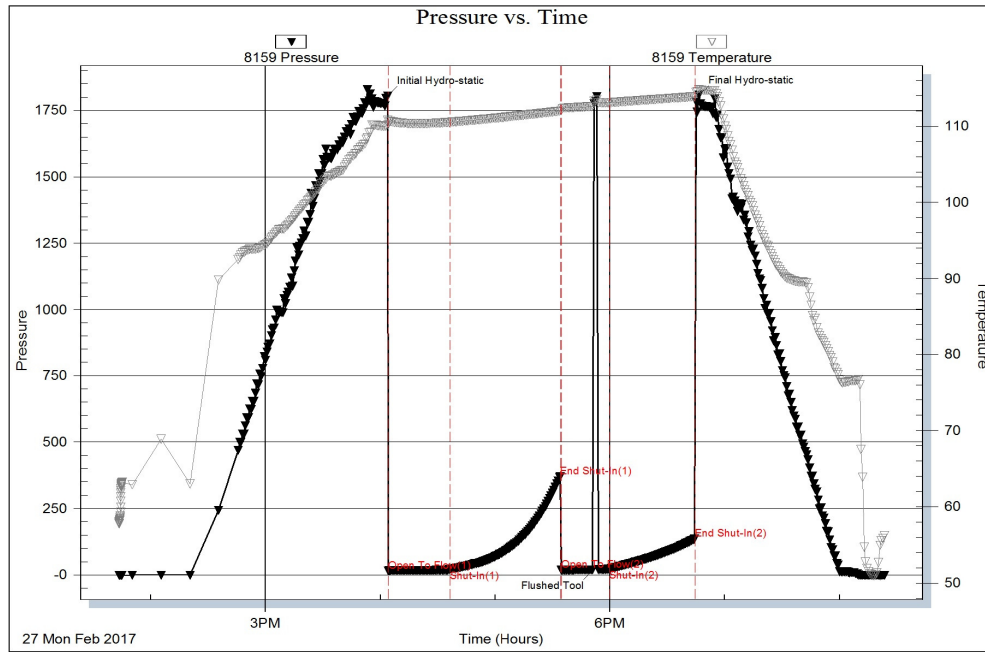
### NOTES

TOP	DEPTH	DATUM	STRUCT. +/-
B/Flor	1653	-36	6
Cottnwd	1855	-238	4
Onaga	2183	-566	7
Id Cv Sd	2208	-591	
Wab	2225	-608	4
Stot	2375	-758	4
Top	2764	-1147	3
Hbr	3161	-1544	-4
BL	3357	-1740	2
Lans	3368	-1751	1



Stark	3700	-2083	9
Swope	3710	-2093	8
Hush	3741	-2124	9
Hertha	3474	-1857	10
Cher	3946	-2329	5
Miss	4041	-2424	6
Miss Lm	4151	-2534	-35
Kind*	4242	-2625	2
Vio*	4391	-2774	flat
Smp Sh*	4428	-2811	-1
Smp Sd*	4431	-2814	-3
*To Jones Tr. 1-23 NW NW 23-28S-8W			

Serial #: 8159    Inside    Vincent Oil Corporation    Fairchild #2-14    DST Test Number: 1

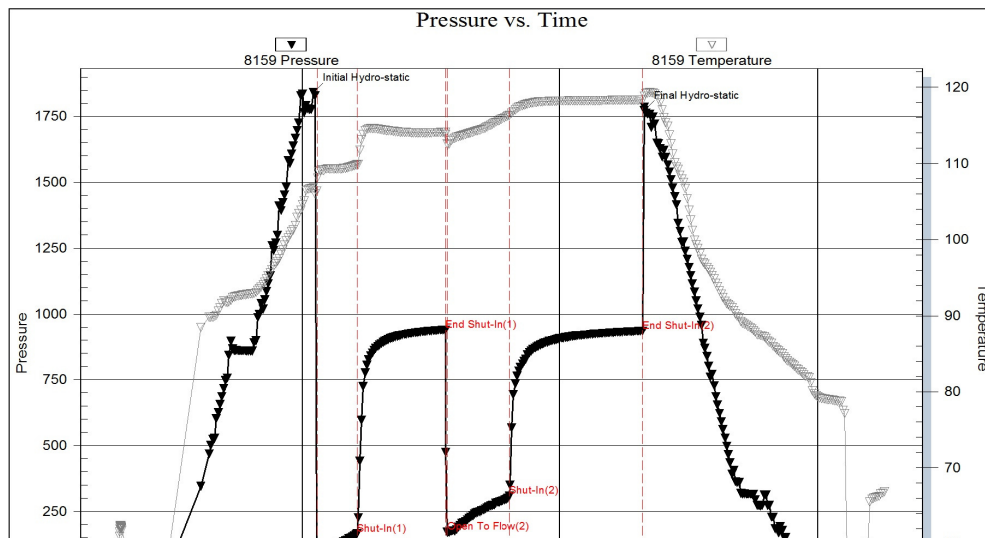


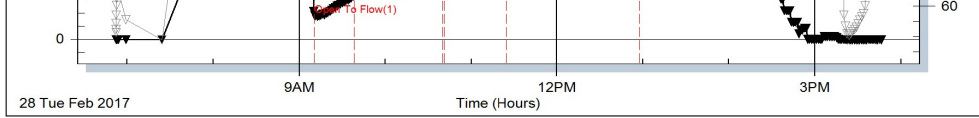
Trilobite Testing, Inc

Ref. No: 63567

Printed: 2017.03.06 @ 10:57:17

Serial #: 8159    Inside    Vincent Oil Corporation    Fairchild #2-14    DST Test Number: 2



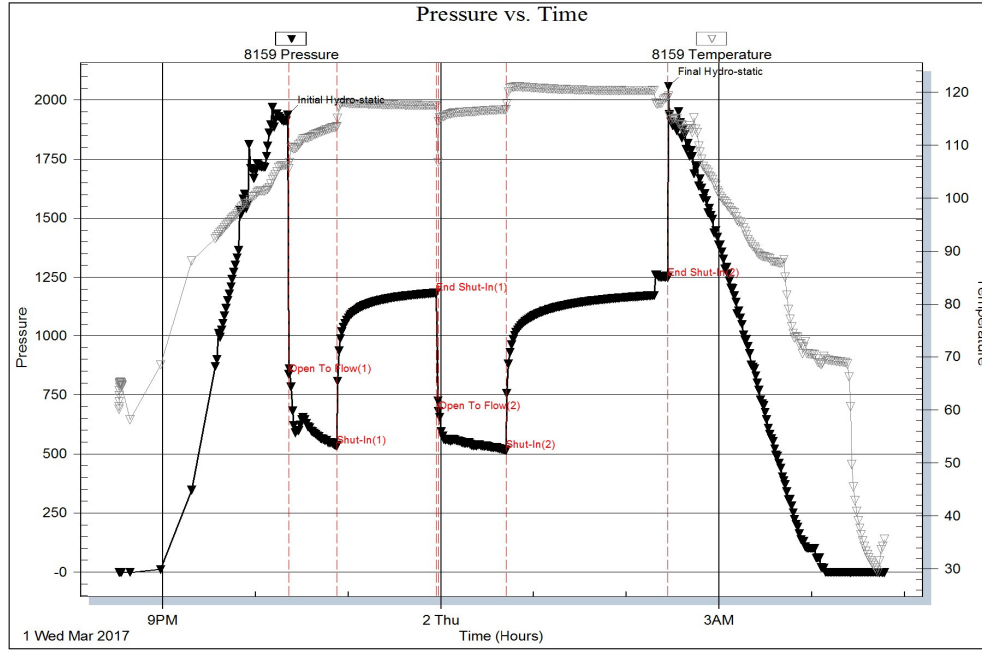


Trilobite Testing, Inc

Ref. No: 63568

Printed: 2017.03.06 @ 10:47:38

Serial #: 8159 Inside Vincent Oil Corporation Fairchild #2-14 DST Test Number: 3

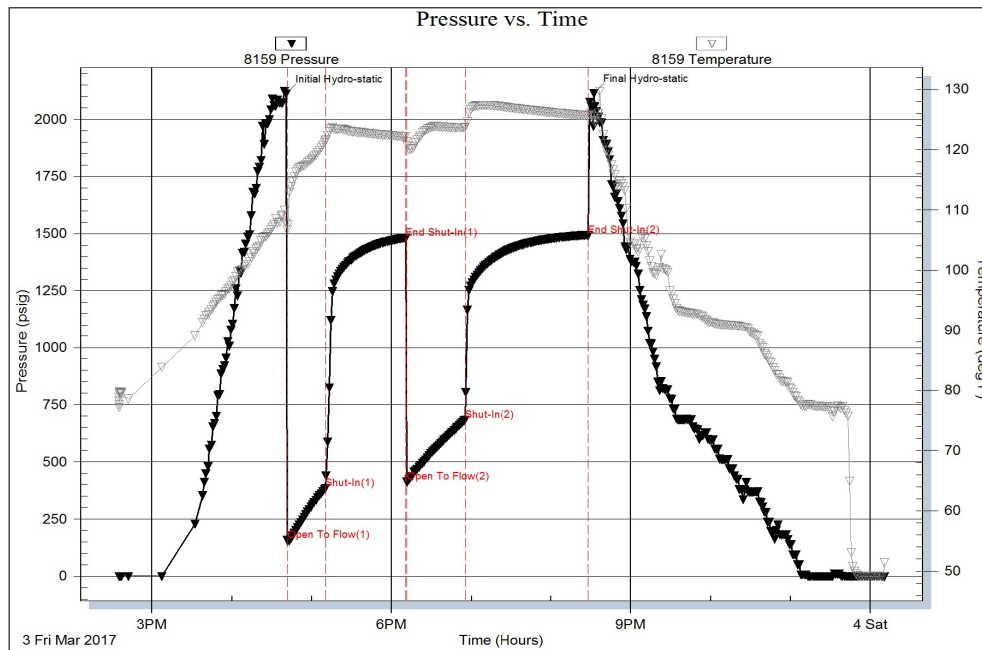


Trilobite Testing, Inc

Ref. No: 63569

Printed: 2017.03.06 @ 10:51:09

Serial #: 8159 Inside Vincent Oil Corporation Fairchild #2-14 DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 63570

Printed: 2017.03.06 @ 10:56:44

### ROCK TYPES



### ACCESSORIES

#### MINERAL

- ⊥ Calcareous
- Carbonaceous Flakes
- ▲ Chert, dark
- ∟ Dolomitic
- Ferruginous, grains or pr
- ∩ Glauconite
- Heavy, dark minerals
- P Pyrite
- Sandy
- Silty
- △ Chert White

#### FOSSIL

- ↑ Bryozoa
- ∩ Coral
- F Fossils < 20%
- φ Oolite

#### STRINGER

- ▨ Sandstone
- ▨ Shale

#### TEXTURE

- C Chalky
- CX Cryptocrystalline
- e Earthy
- FX Finexln
- MX Microxln

### OTHER SYMBOLS

#### POROSITY TYPE

- × Intercrystalline
- φ Interoolitic
- V Vuggy
- P Pinpoint
- ∟ Moldic
- O Organic
- F Fracture
- e Earthy
- Fenestral

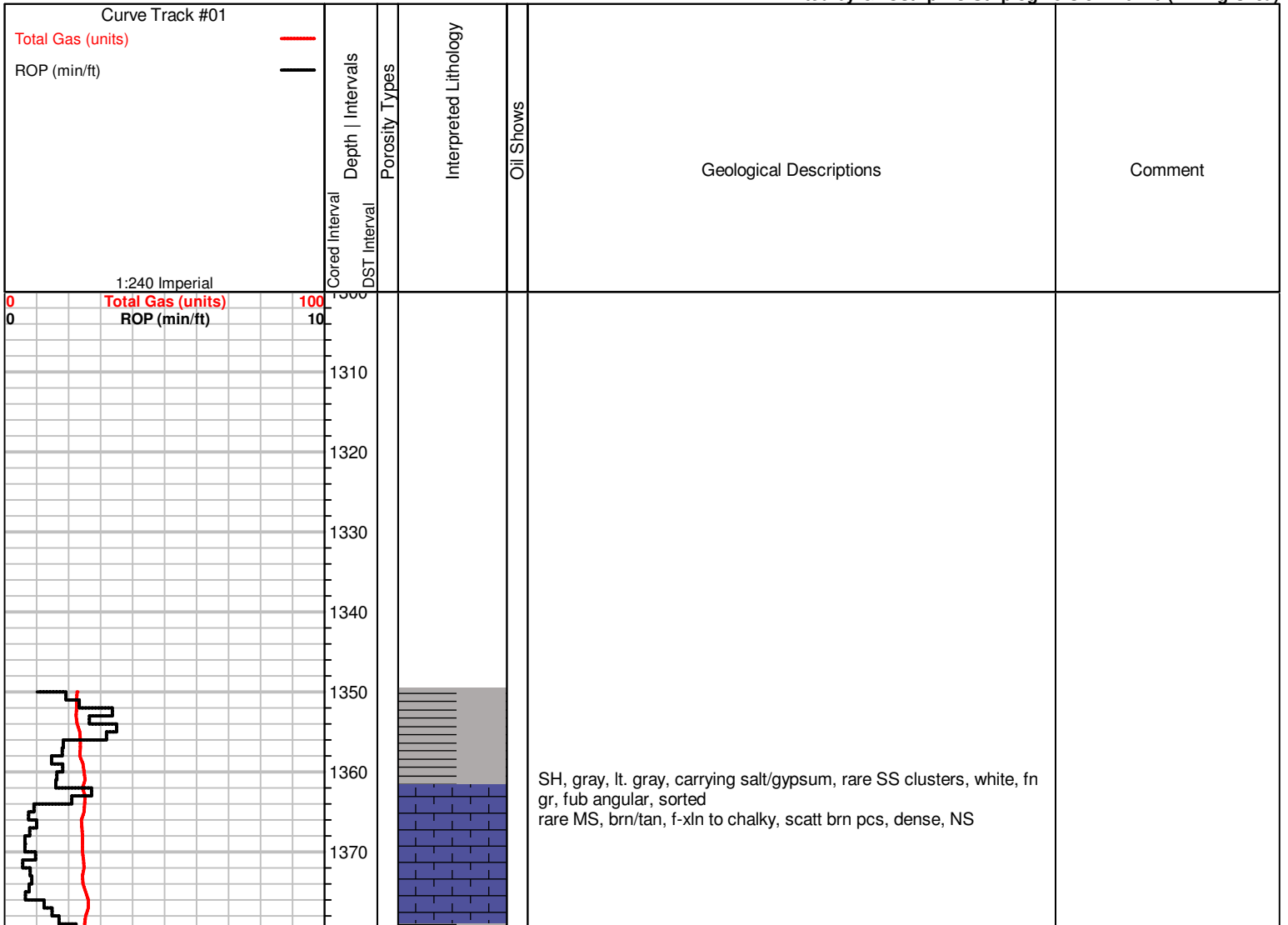
#### OIL SHOWS

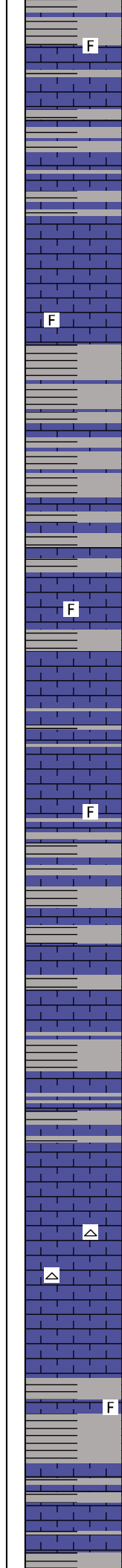
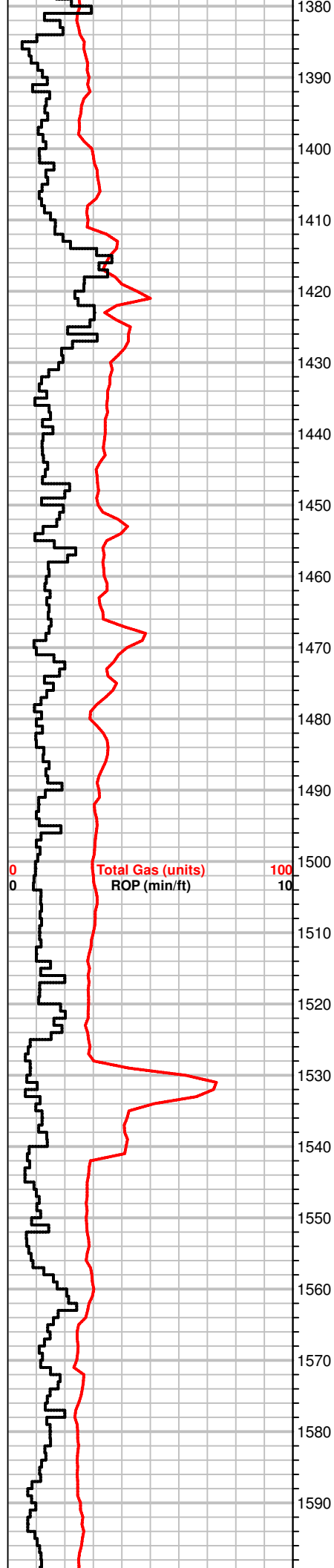
- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence

#### INTERVALS

- Core
- DST

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





SH, gray to lt. gray, scatt MS, gray, vf-xln, hard, scatt fossils, silty, barren, sulfur

SH, gray, some striated, brn, red  
MS, crm to tan, gray, sli. fossilif., hard, scatt mottled pcs, NS

SH, grays, gypsum  
rare calcite cemented WS, crm to tan, fossils

SH, dk. gray, grays  
MS, gray, f-xln, firm, tite, NS

Scatt SH, grays, green, soft  
MS, gray, firm, vf-xln, barren, sandy fossilif. pcs.

SH, gray, dk. gray  
MS, tan to crm, gray, firm to hard, dull fluor, NS

MS-WS, crm, gray, vf-xln, scatt fossils, int-xln por., poor sample quality  
SH, gray, green

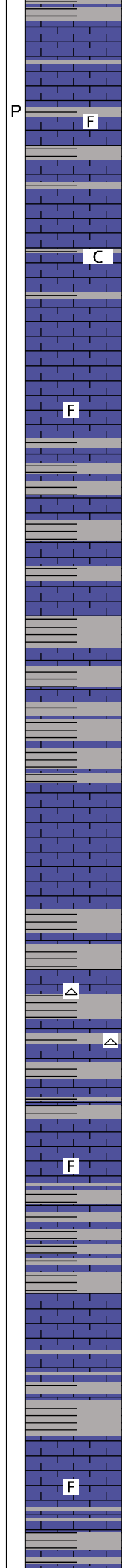
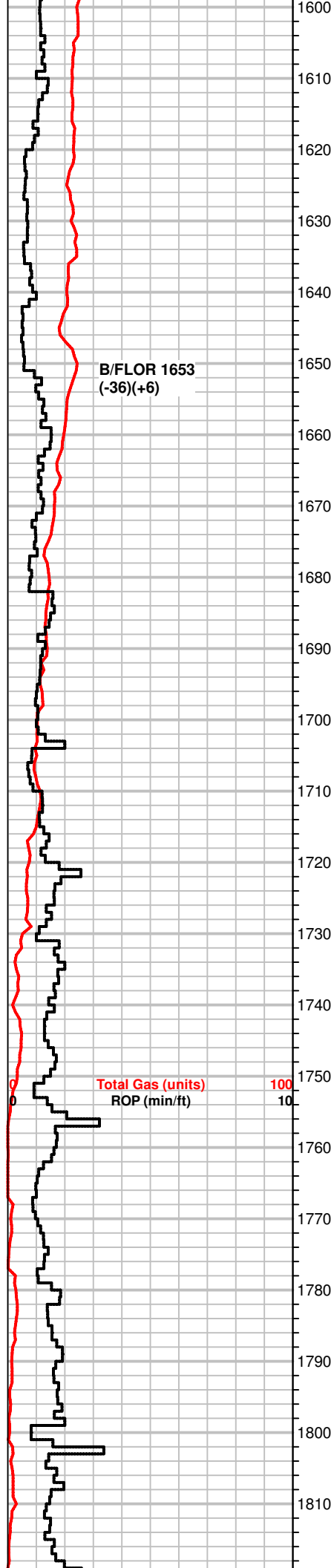
SH, brn, gray, red  
MS-WS, crm to tan, vf-xln, NS

MS, crm to tan, vf-xln, scatt fossilif. to sandy pcs, no vis show, poor samples  
SH, gray, green

MS-WS, A.A., rare white/milky Chert, platy

MS, lt. gray to crm, vf-xln, chalky pcs, hard to firm, sli. fossilif  
SH, dk. gray, gray, limey

MS, gray lt. gray, tan, m-xln, firm to hard, sli. chalky, some SH, gray, NS



grays, NS

MS-WS, crm to off white, chalky to vf-xln, hard, shaly, scatt fossils, pp por.

MS, crm to lt. tan, chalky pcs, some shaly, fossilif., firm SH, gray, red

MS, tan to lt. gray, firm, vf-xln, scatt fossils, NS

MS, A.A, tan to gray, vf-xln, shaly, barren dry, NS Inc in SH, dk. gray, gray

Poor Samples Washed red SH, red, gray, dec. amt, MS A.A.

MS, gray, crm, vf-xln, firm, NS, SH, gray

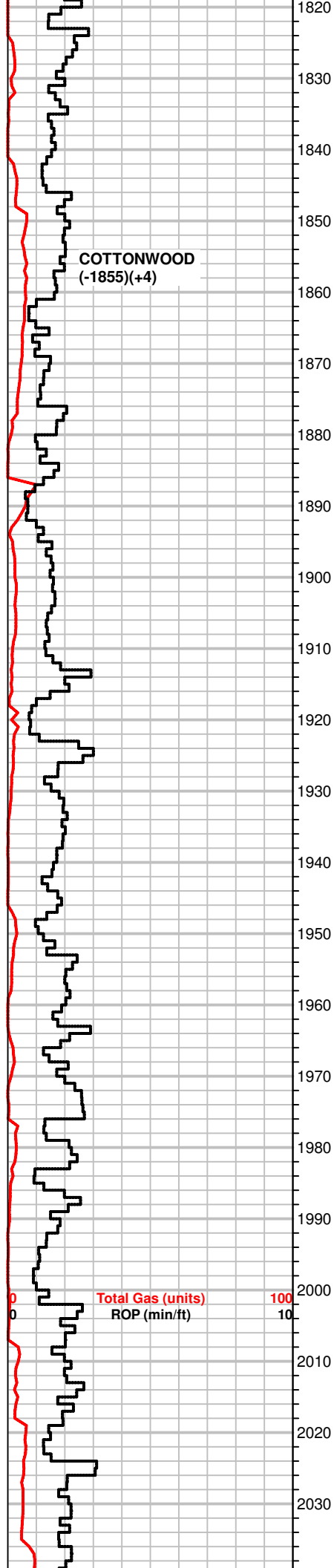
Sh, red, gray, soft, MS, A.A., rare chert frgmts/ orange clear, sandy

Poor Samples, MS, crm to tan, f-xln to vf-xln, chalky txt, waxy pcs, scatt fossils SH, grays

SH, red, gray, MS, A.A., very poor samples

MS, crm, vf-xln, waxy, rare fossils, firm, scatt gray pcs, some SH, gray, red

MS, A.A, fossilif, SH, gray, dk. gray, red, green



COTTONWOOD  
(-1855)(+4)

Total Gas (units)  
ROP (min/ft)

100  
10

MS, A.A., fossilif., SH, gray, dk. gray, red, green

SH, A.A., inc amount  
Scatt MS, off white to crm, f-xln, soft to firm, chalky in part, NS

Poor samples, SH, red, grays  
MS, off white, tan to crm, rare Chert, gray

MS, scatt WS, crm, f-xln, fossils, sli. oolitic txt, glauc.

MS-WS, crm to tan, gray, f-xln, hard, brittle, scatt fossils, dull fluor,  
NS  
SH, gray

MS-WS, off white to crm, fossilif. hard, A.A., scatt SH, gray.

MS-WS, crm to off white, brn, vf-xln, scatt fossils, firm to hard,  
crinoids  
SH, gray, brn

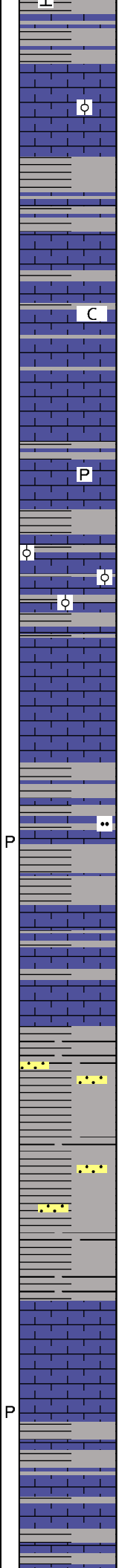
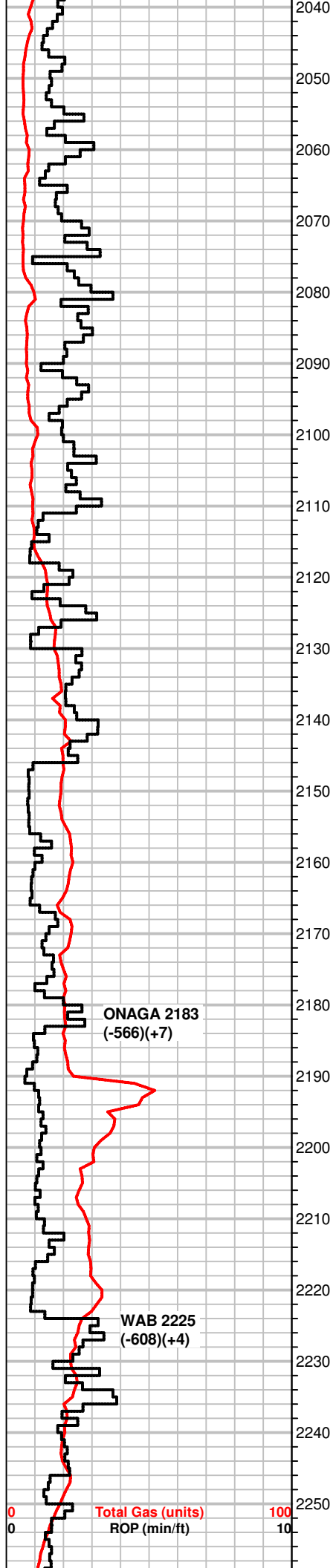
SH, red, gray, MS, crm to off white, vf-xln, A.A., inc in fossilif. pcs

MS-WS, crm to off white, mic-xln, lt.gray, hard, coral/fossilif., some  
waxy, shaly  
SH, red, brn

MS, crm to tan, scatt brn, mic-xln, dense, fossilif., Cherty pcs, scatt  
sandy pcs  
SH, dk. gray, red

Influx, SH, dk. gray, gray, scatt MS, A.A., f-gr oolitic/fossilif. pcs.

MS-WS, off white, crm, vf-xln, waxy looking, hard, fossilif. calcite



veins, SH, grays, dec. amt., some red

MS-WS, off white to crm, f to m-gr, oolitic, WS, crm/offwhite, hard, dense, some gray, f-xln, firm to brittle, NS

MS-WS, crm to gray, mic-xln, hard, fossilif., chalky pcs, most dense, NS

MS-WS, crm to gray, mic-xln, A.A., poor samples, scatt pyrite, some brn dense pcs, NS

WS-MS, crm to tan, f-xln, cahlky to dense, some soft pcs, fossili/m-gr oolitic in tite matrix, some gray  
SH, gray

MS-WS, A.A., dec. amt of LS, some gray/brn  
SH, gray

SH, grays  
MS, crm to tan, f-xln frim to soft, sli. silty, some dense, rare pp por.

MS A.A., inc. in SH, grays, red, brn, green

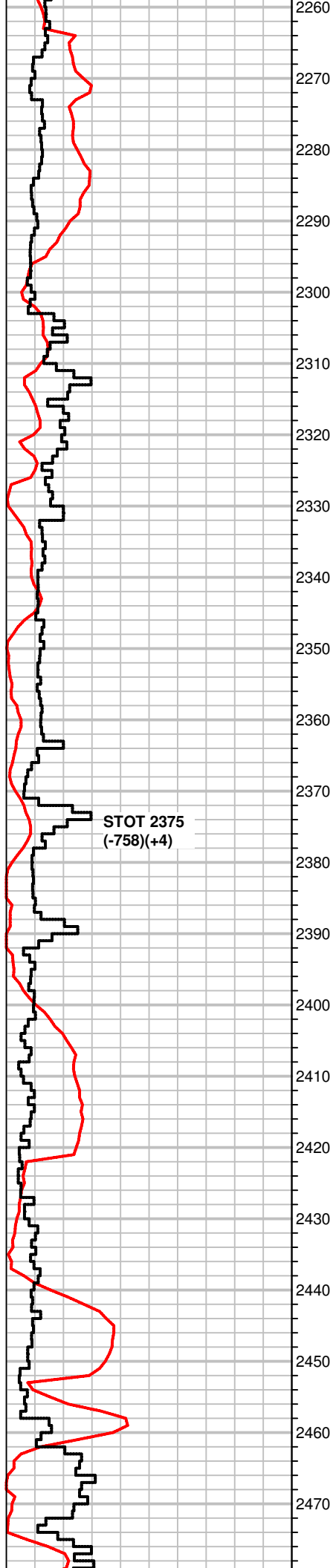
SH, blk to gray, red, some sandy pcs, scatt sd grs, fn to co-gr, sub angular, sub rnded,

SH, gray, A.A.

MS-WS, crm to brn, hard, dense, silty in part, some pcs lt. gray, hard, fossilif.  
SH, gray, maroon, pp por.

MS, crm to lt. gray, hard, dense, fossils A.A., scatt SH, gray, red

0 Total Gas (units) 100  
0 ROP (min/ft) 10



STOT 2375  
(-758)(+4)

MS, tan to crm, waxy, firm, chalky pcs, NS  
inc. in SH, gray

SH, blk, dk. gray,  
MS, tan, lt. gray, f-xln, chalky, hard to firm, waxy txt, NS

e

SH, gray, dk. grays, MS, crm to off white, f-xln, soft, firm, chalky,  
fossils, Chert frgmts, NS

△

SH, grays, green,

SH, gray, dk. gray, waxy to silty in appnce., some sandy

•

•

MS, crm , vf-xln, massive to earthy txt,

e

SH, gray, red, sandy to silty,  
MS, brn to crm, vf-xln, massive txt, hard, NS

SH, gray, red, A.A.  
rare MS, crm to brn, gray, hard, f-xln, dense, soft

2

x

■

SH, gray, red, sandy, SS clusters, gray, f to m-gr, sub ang, sub  
rnded, sorted, dark mineral inclusions, glauc in-gr por.

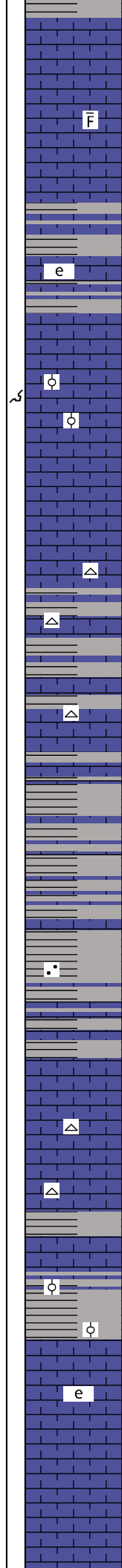
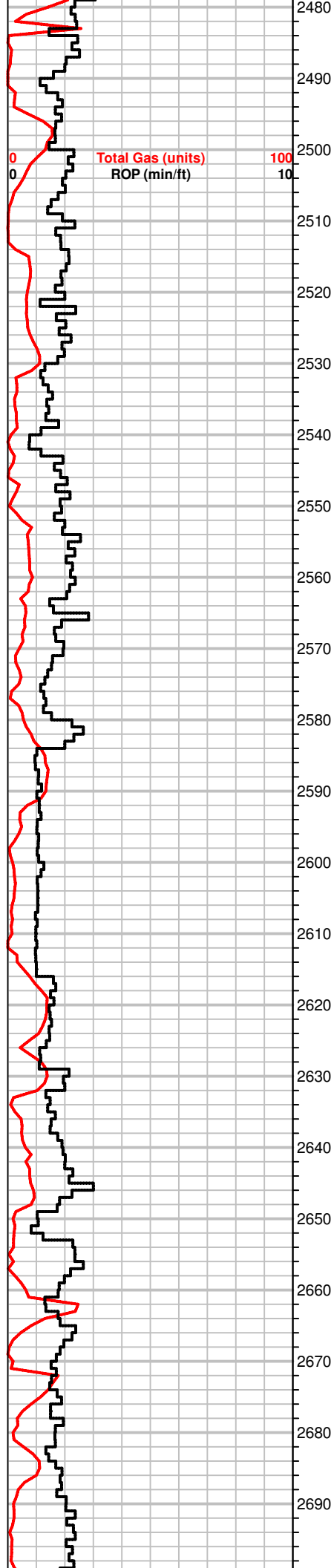
••

MS-WS, crm to lt. tan, f-xln, hard, fossilif. silil. shaly pcs.

•

MS, crm to tan, f-xln, A.A., some SH, gray, sandy





MS, off white crm, waxy, firm to hard, chalky to dense fossils, stone gray, pyrite, SH, gray

F

SH, grays, lt gray, brn, MS, gray, tan, off white, earthy/ chalky, hard, dull flur, NS

e

MS AA, gray, to brn, firm, chalk pcs, fossilif, oomoldic, dk, gray barren modic por. elongated ooids and chalky matrix, , SH, grays, dark gray

○

○

WS-MS, tan to cream, mic/ f-xln, firm to hard/ brittle, fossilif dense, cherty pcs, oolitic- m-gr., dull fluor

△

△

MS-WS AA, some gray, gritty txt scatt fossil frgmts, cherty white, sh, brn, green, gray

△

WS- MS, gray, crm brn, mottled, hard, dense fossilif, mc/ f-xln , shaly/ sandy pcs, cherty, SH gray

WS, crm to tan, f-xln, fossil/ oohite, f-m-gr, SH, grays, sandy

•

MS-WS, crm brn, f-xln, earthy txt in part, fossil/ cherty frgmts, hard

△

△

SH gray, dk. gray MS, crm to tan, iff white, hard, f-xlm, earthy, fossilif, sub oolitic pcs

○

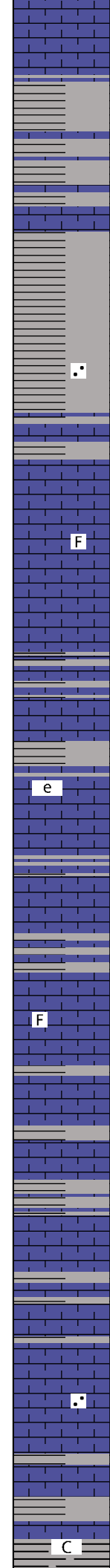
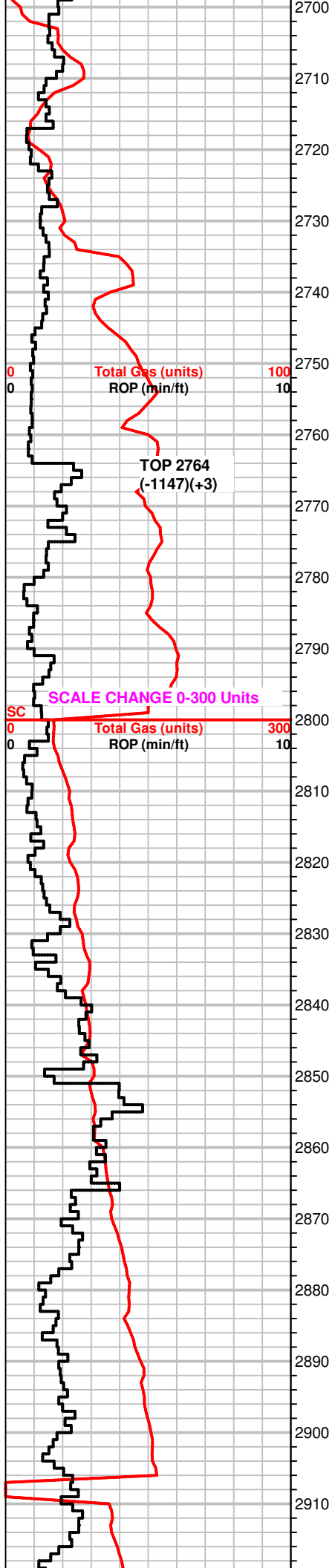
○

e

MS- WS, crm to tan, f-xln to m-xln, chalky in part, soft to dense, scatt fossilif psc, NS

**Mud-CO Mud check**  
31 vis  
9.3#  
trc LCM  
26000ppm/CL

MS- WS AA, inc in gray, vf- gr- pcs, scatt SH, gray, greenish gray



MS- WS AA, inc in gray vf-gr pcs, scatt SH, gray, greenish gray, dull fluor, NS

Inc SH, dk. gray MS, off wht. to crm., vf- xln, dense, massive NS , baren

MS- WS AA, SH, dk gray, gray

Scatt SH AA sandy pcs MS. gray to tan, f- xln, hard, sandy pcs, scatt cherty frgmnts

MS brn to crm AA, SH, gray(s) fossil frgmnts

Scatt SH, gray MS, gray to off white, gritty, hard fossils, influx

MS, off white to crm., gray, f-xln. hard to firm, earthy, dull fluor, some pcs chalky

MS crm to off white, brn. vf- vh, some chalky, hard, baren fossil pcs, gritty pcs

MS- WS AA, white pcs, oolitic WS, SH grays

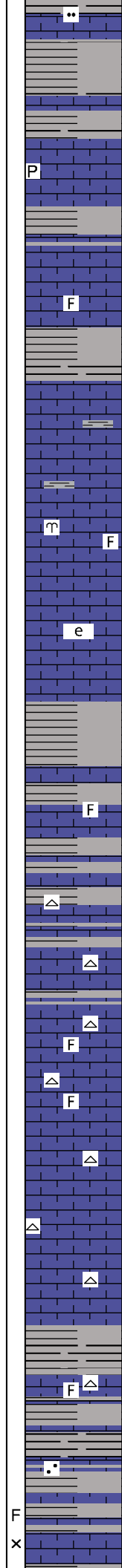
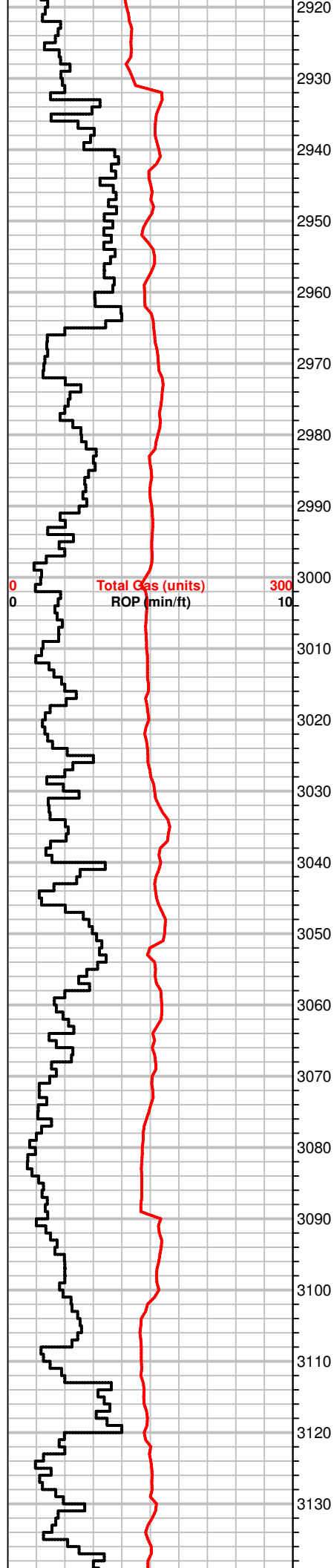
Influx, SH drk gray, gray, MS- WS gray to crm, m-xln, co gr - frgmnts

SH, greenish gray, gray, MS- gray, vf-gr, sandy, gritty txt.

SH , drk gray, gray, blk. WS- MS, crm. to tan, chalky, girtty txt, NS

29 vis  
9.3#

29 vis  
9.3#



P MS- WS, crm, brn, f-xln, chalky to dense, NS, pyrite, SH, grays, brn

F MS- WS, crm to tan, mic- vf- xln, dense, hard, fossils scatt, some SH, dk gray, grays

MS, crm to lt. tan, lt. green, AA, SH, brn, gray, red , brittle pcs, bryozoans

T F MS, crm to lt. tan, lt. greenish gray, brittle, hard ,dense pcs, fossils scatt, bryozoans, carrying SH, dk. gray, green

e MS, crm to brn, f-xln, earthy txt, hard, NS SH, dk. gray(s)

F MS-WS, crm to gray, tan, f-xln, mottled pcs, scatt fossils, chalky in part, NS SH, gray, dk. gray, platy

MS, crm, f-xln, dense, NS, Chert, wht, blocky, scatt fossils

MS, crm to gray, vf-xln, dense, hard, scatt Chert, white, scatt fossilif pcs SH, grays, red, green

F Inc, in MS-WS, A.A. scatt oolitic pcs, sandy in part, Chert, white, blocky

F MS, crm to lt. gray, vf-xln, chalky, firm, Chert, white, fossils, NS scatt SH, grays

MS, crm to tan, f-xln, chalky, NS Chert, white, blocky

MS-WS, crm to off white, f-xln, some pcs hard, dense, fossils, Chert, white, fresh to tripolitic txt, fossils

F SH, dk. gray, gray, red, brn MS, crm to tan, f-xln, firm, brittle, fossil frgmts, Chert, white, A.A.

SH, dk. gray, gray green, red MS-WS, crm, f-xln, chalky/sandy matrix, some silty, soft, NS

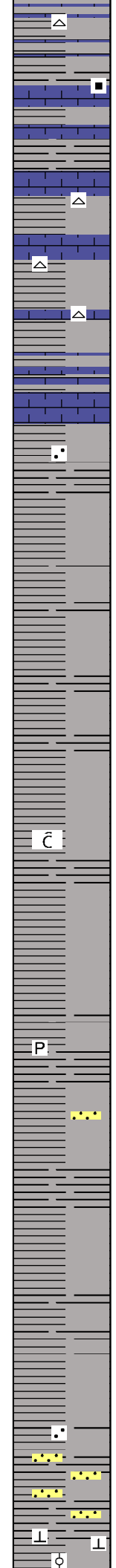
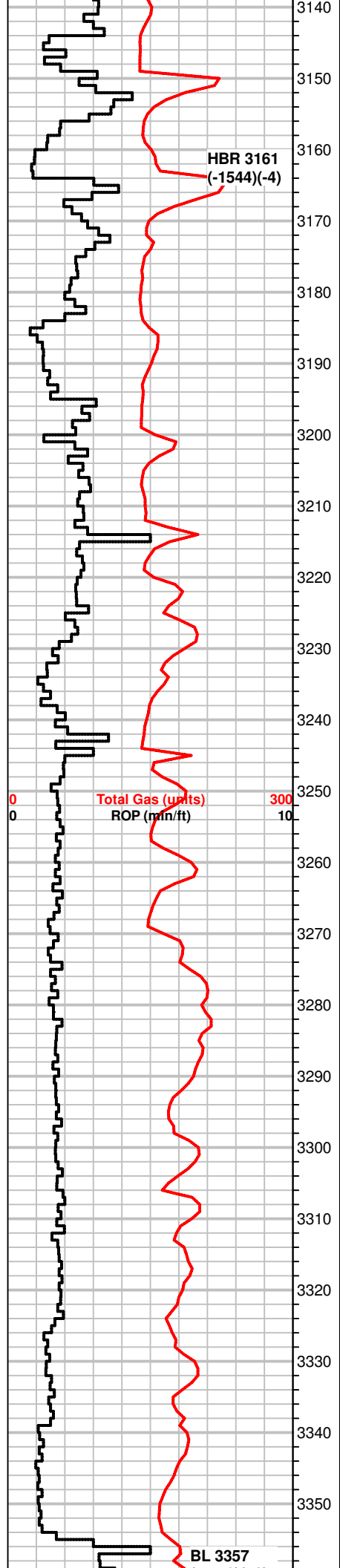
F SH, blk, dk. gray, gray,(sli. dec. amt.), MS, crm, f-xln, chalky, soft, scatt minerals, sandy, fossils, NS

30 vis  
9.4#

Jet #2, suction  
Start Mud Displacement  
@ 3090

Jet #1

MS, crm to lt. tan, f-xln to chalky, soft, scatt fossils, some minerals



MS, crm to lt. tan, f-xln to chalky, sort, scatt sandy pcs, rare mineral specs, Chert, white, some SH, dk. gray, gray, green

SH, gray, dk. gray, scatt carbonaceous pcs, MS, crm to lt. gray, chalky to sandy pcs, f-xln, firm, scatt fossils, NS

SH, blk, gray, carb. gassy

MS-WS, lt. gray to lt. brn, vf-xln to m-xl, chalky to sandy, dense massive pcs scatt, Qtz frgmnts, orange, clear, rounded

SH, blk, dk. gray, carb. Scatt MS, A.A.

WS-MS, brn to gray, crm, vf-xln to earthy, shaly, dense to hard, fossils, some sandy pcs, Chert, white  
SH, blk, grays sli. carb.

MS-WS, crm to gray, f-xln to chalky, waxy pcs, scatt fossils in chalky matrix, firm, calcite, NS

Sh, dk to lt. gray, brownish-gray, sandy in part

SH, A.A., soft

SH, gran to brn, vf-sandy to silty pcs

SH, dk. gray, grays, some sandy pcs, platy, scatt MS (cave?)

SH, lt. gray, silty, hard, some pcs limey, NS

SH, gray, brn, hard, MS, crm, chalky, soft (cave?)

SH, A.A., some silty, soft to hard pcs, chalky

SH, grays, silty, carry MS, crm to tan, hard, f-xln to chalk, fossilif., NS

SH, grays, silty, A.A., poor samples.

SH. lt. grays, silty, soft, pyrite.

SH, Grays, silty to sandy, soft to firm, ss cluster, gray, f-gr, sorted, subrounded

SH AA inc in MS- WS, crm to tan, earthy in part, hard, folssilif, NS

SH, grays, soft to firm

SH, grays, sandy firm to soft friable striated pcs scatt MS, brown to tan, f-xln, dense, scatt fossils

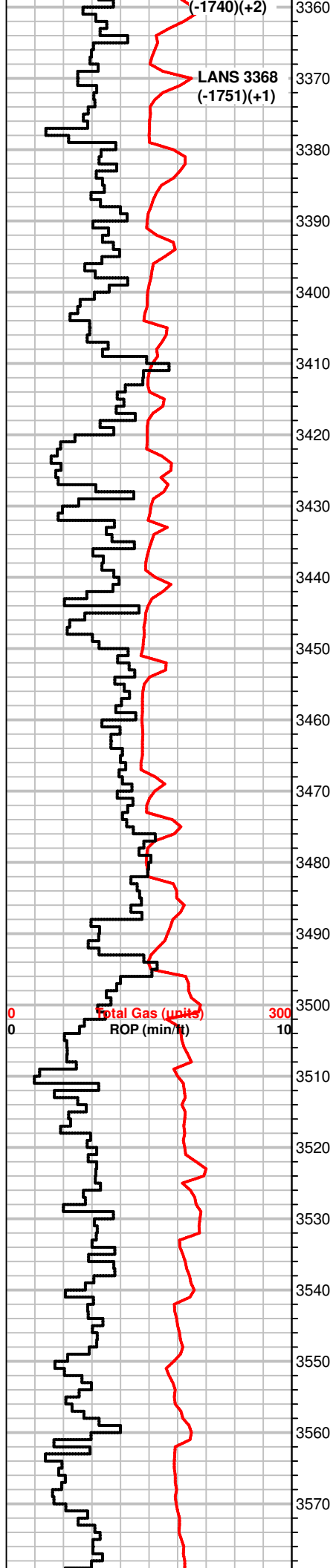
SH, gray, AA, silty, MS, crm, f-xln, chalky, some hard pcs, NS

SH, dk. to lt gray, silty, sand pcs rare, f-gr, sorted, sub ang. Friable, pyrite

SH, A.A., scatt MS- WS, brn f-xln, chalky, txt, firm, oolitic to fossilif, dense brn pcs

**Mud-CO mud check**  
**VIS 62**  
**Wt 8.6#**  
**1# LCM**  
**CI 4000ppm**  
**Filtrate 7.2**

**62**  
**8.6#**  
**1# LCM**



LANS 3368  
(-1751)(+1)

dense brn pcs

MS, brn, f-xln, dense, hard, scatterd sub-oolitic pcs, lt brn, tan, chert, brn, fossilif

SH, blk to brn,

WS-PS, off white to crm, vf-gr oolitic in chalky matrix, some fossilif. dense pcs, NS

MS-WS, scatt PS, crm to gray, vf-xln, dense, fossilif.(coral, brachs), Chert frmmts, crm

Scatt SH, gray, silty

MS-WS, crm to brn, f-xln to mic-xln, dense, some suboolitic vf-gr., fossilif., Chert frmmts, white to crm., NS

MS, crm to tan, f-xln to mic-xln, firm, fractured, fossils, some chalky, soft, scatt sandy pcs., NS

MS, A.A., influx, lt. gray MS, rare mottled pcs, f-xln, firm, scatt SH, gray

MS, crm to gray, f-xln, massive txt, hard, brittle, Chert, brn, rare Qtz, co-gr, rnded, NS

MS, crm to off white, f-xln, some massive/dense pcs, friable, chalky in part, some calcite, Chert, brn

MS-WS, crm, lt. tan, gray, f to m-xln, dense, some sandy, suboolitic/fossilif. pcs, dull fluor NS rare SH, dk. gray

SH, gray, red, brn-bad sample quality

MS, crm to brn, f-xln, firm to hard, some fossils, chert frmmts, crm to brn

MS, brn to crm, mic to f-xln, dense to brittle, fossils

SH, dk. gray, gray, silty, pyrite

MS, crm to brn, f-xln, some earthy, soft to dense, scatt. fossils, sli. chalky pcs, SH, dk. gray, gray

MS, crm to brn, mic- xlm to f-xln, waxy looking pcs, dense scatt fossils, scatt SH dk grays

SH, dk gray, silty, MS, crm to brn, AA, some gray, shaly, hard, NS

SH, grays, rare blk, some green sandy, MS- WS, crm to gray, f-xln, chalky/ silty fossils, gritty txt, firm, chert brn, blocky

SHs, gray, (carrying?), MS, crm to brn, vf- xln, mic- xln, dense, scatt fossils, rare chert, brn, fossilif, platy

SH, dk gray to gray, green, silty, MS, crm to gray, f-xlm, dense to firm, sli sandy, ss clusters, blocky, gray, hard tite, f-gr

MS- WS, crm, f-xln, some dense/ massive txt, firm, NS, SH AA pyrite rare

Carrying SH, red, gray, blk green, silty, MS- WS, crm to tan, f-xln,sub- oolitic, frim to dense, scatt sandy pcs, NS

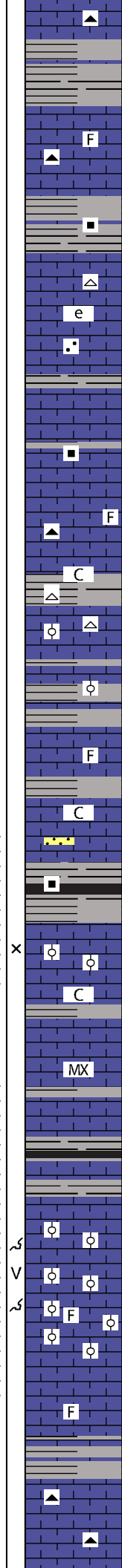
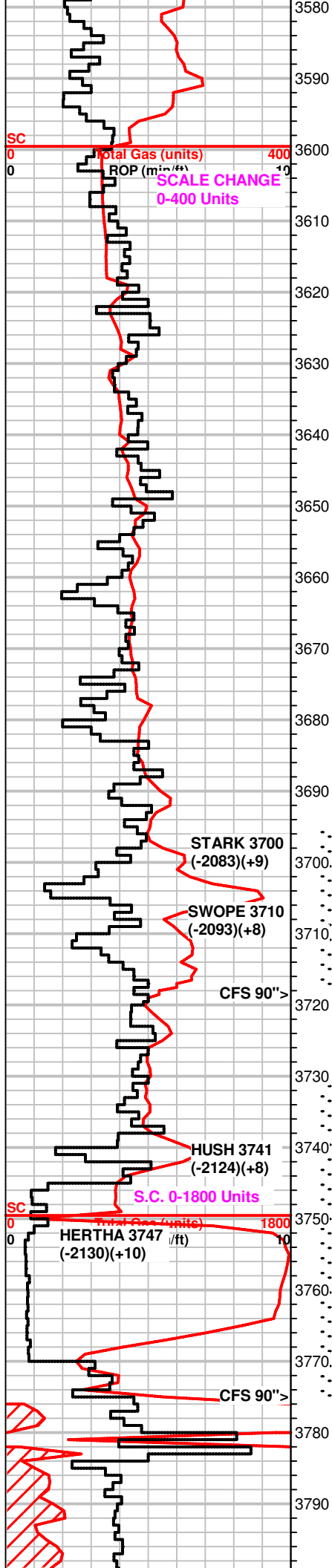
SH, gray, brnsih, some blk, sli carb, MS brn to crm, vf-xln dense

WS- MS, crm to brn, f-xln, dense, fossils/ chertv frmmts. hard. NS.

**VIS 51**  
Wt. 8.7#  
2# LCM

**VIS 49**  
Wt. 8.7#  
2# LCM

**VIS 50**  
Wt. 8.9#  
2# LCM



SH, gray, red, fissile

SH, blk, gray, MS, crm to tan, f-xln, firm, NS

MS, crm to lt.gray, f-xln, firm, friable, fossils scatt, Chert, brn, fossilif, scatt SH, blk, grays

MS, gray to crm, vf-mic-xln, soft, brittle  
SH, blk, gray pyrite, carb.

MS, crm to gray/brn, f-xln, earthy to chalky, Chert, white, dec. in SH, grays, green

MS, A.A., mostly crm, firm to brittle, chalky pcs scatt, rare brn sandy pcs, rare mineral fluor, NS

MS, gray to crm, f-xln to earthy, chalky to silty pcs, pyrite, firm, rare SH, blk, gray, pyrite, sli. carb.

MS, lt. gray to crm, f-xln, most hard, dense, some sli. chalky, soft, cherty and fossil frgmts, rare mineral fluor, NS

SH, gray, brn, dk. gray, MS-WS, crm to brn, some gray, f-xln, dense to chalky suboolitic pcs, calcite, fractured, Chert, white

Scatt SH, A.A., MS, lt. brn to crm, f-xln to m-xln, dense, hard, rare ooids in a tite mtrx., NS

SH, blk gass (sli), brn to gray, pyrite, striated, some sitly MS AA, crm to brn, dense, fossils

Dec, SH, AA, MS, crm f- xln, mosly dense, some chalky, rare ss cluser, f-gr, sorted, rnded, frioble but firm

SH, gray, dk gray, rare sandy, MS, crm f-xlnm frim to dense, scatt fossilif pcs, sliodor in bag rare mineral fluor

Influx SH, dk gray/ gray, carb to silty, MS-WS, crm to brn, mic xln dense to f- xln, suboolitic, fossils in chalk, frim matrix

MS/ WS, crm to f-xln tite scatt suboolitic pcs, some fossils, v. rare spotty fluor, faint odor, 1 drop F.O., very light resid. cut

MS, crm to gray, f-xln, chalky pcs rare, dense, rare fossils, dull fluor, NS

MS, brn to gray, mic-xln, dense, hard, barren NS  
scatt SH, grays

MS, gray to brn, tan, mic to f-xln, hard, dense, NS

SH, blk, gray, MS, crm to brn, vf-xln, hard to brittle, some calcite xtals, faint odor

MS-WS/PS, brn, tan, m to f-xln, oolitic, m-gr, good odor, live oil droplets in tray, bleeding gas, spotty bright fluor, inst. cut, select pcs, brn stn spotty, moldic/vuggy por.

30"-PS, brn to tan, f-xln, m-gr. oolitic, firm, brittle, strong odor, bubbling gas, oil droplets in tray, bright fluor, some w/ mineral fluor, inst cut from bright pcs, slow to no cut from mineral fluor(dead stn?), some pcs sat. with brn oil stn, moldic por., sli. dec. shows in 60" bag, diminishing returns

MS- WS, crm to gray, f-xln, hard, dense, fossilif (frgmts), carying show from above

MS- WS, brn to crm, f-xln, sli chalky, cherty, blk, fossilif, scatt SH, drk gray .gray

VIS 45  
Wt. 9.0  
2# LCM

DST #1 3695-3718  
Swope Lm.  
30-60-20-45  
WB 1/2"  
NBB  
WB surf, died/7" flushed tool, NB  
NBB  
Rec: 5' Mud  
IH 1805#  
IF 15-20#  
ISIP 370#  
FF 18-22#  
FSIP 136#  
FH 1807#  
Temp 115°F

VIS 45  
Wt. 9.1#  
2# LCM

+161 UGK, shale gas

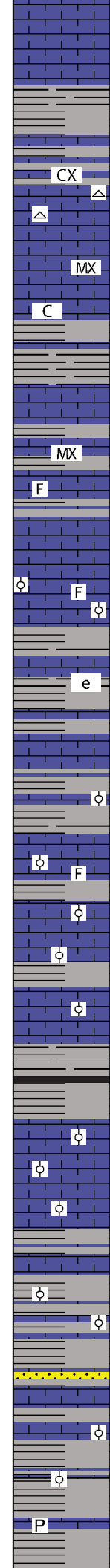
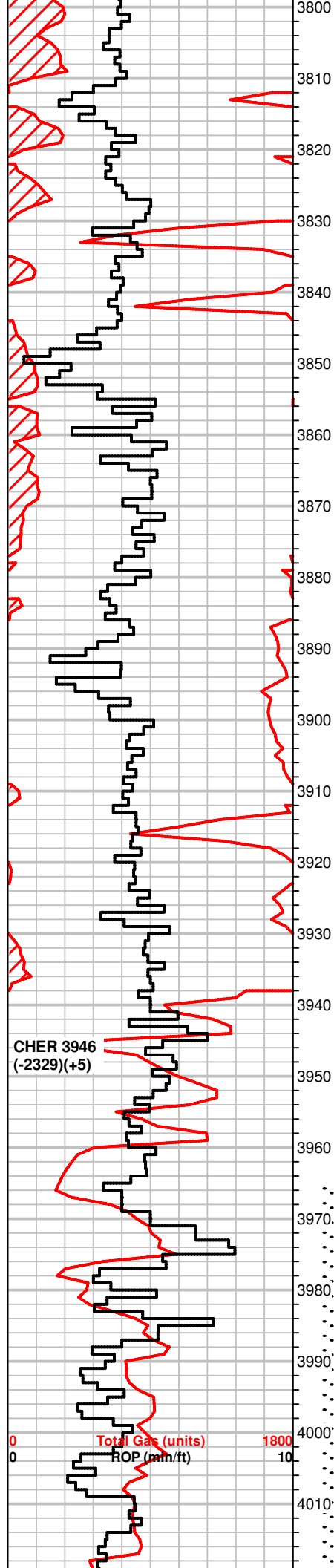
+67 UGK, 52 UGK recycle

+70 UGK, shale gas

+1582 UGK, 796 UGK recycle

Mud-CO mud check @ 3775  
Vis 53  
Wt 9.2#  
2# LCM  
4000ppm Cl

DST #2 3730-3775  
Hertha Lm.  
30-60-45-90  
SB, BOB/30sec GTS/13"  
GA 1/8th inch choke  
9 MCF/20"



MS, gray, mic- f- xln, dense, some AA, SH gray, fissile, sandy pcs rare, green

SH dk gray, gray, MS, crm to gray, mottled pcs rare ,f- xln, hard to firm, some brittle

MS, crm, some gray, mic- xln/ crp-xln, dense, massive looking, some gray SH, cherty, crm to tan

MS- WS, off wht to crm, mic- xln, dense, oolitic/ fossilif, tite matrix, some pcs shaly, dull fluor, NS

MS, crm to lit gray, f-xln, chalky to dense, dull fluor, NS, scatt SH, gray

MS, lt gray to crm, f-xln, dense, NS

MS, off wht to crm, scatt gray, f-xln to mic xln, massive, dense, scatt fossils, dull fluor, NS

MS- WS, lt brn to lt gray, f-xln, firm to brittle, some pcs fossil/ oolitic, mineral fluor, NS

Scatt SH, grays, green, maroon, MS- WS, crm to gray mf-xln, suboolitic, frim to dense, NS

SH, blk , gray, green, MS gray, rare crm, f-xln, earthy pcs, tite, scatt, suboolitic pcs, NS

MS, crm to brn, f-xln, firm to dense, NS  
SH, grays

MS-WS, crm, vf-xln to mic-xln, dense, some pcs sub oolitic lesser SH, blk, grays, greenish gray

MS-WS, crm to lt. gray, vf-xln, gritty txt in ~50% pcs, vf-gr oolites in soft chalky matrix, some pcs dense, dull fluor, NS  
scatt SH, gray, green

MS-WS, dk.gray to lt. tan, m-xln, gritty txt(silty), m-gr oolitic in tite dense matrix, fossils, SH, gray, limey to silty

MS-WS, gray to lt. brn, f-xln, hard, brittle, some sli. chalky, fossils, shaly pcs scatt., NS  
SH, dk.gray to gray,

SH, rare blk, grays, silty, green, sandy in part  
MS, crm, mic-xln, dense, scatt vf-gr oolitic pcs, fossilif., calcite, dull mineral fluor, NS

MS, crm, brn, gray, f-xln, firm, shaly/chalky pcs to tite dnese pcs, dull fluor, NS  
SH, blk, grays, striated, scatt pyrite

MS- WS, crm to tan, some gray, f-xln to massive, hard to firm, moist dense, scatt gritty, f-gr oolitic pcs, sli chalky, some shaly pcs, SH, dk gray, gray silty

MS, gray to crm, mic- xln, some pcs wavy to earthy looking, fossils rare, dense, hard, dull fluor, NS

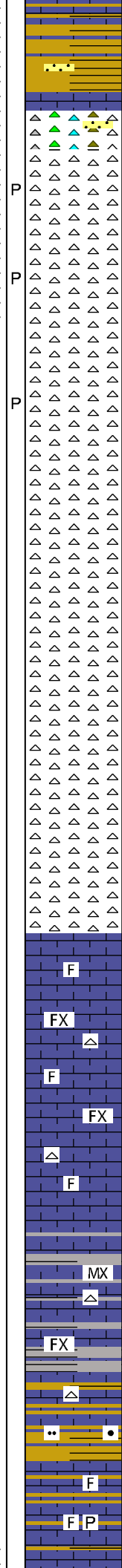
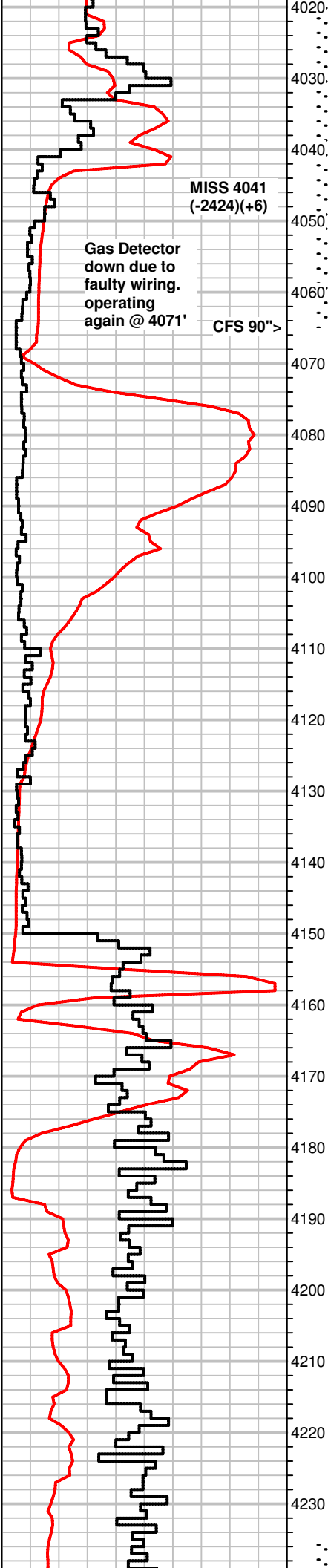
MS lt gray to crm, scatt brn, f-xln, fossils, most pcs dense, SH grays, green fossils, rare Qtz grs, f to co gr, sub- rounded to sub ang., some frosty

Scatt SH blk, gray, MS- WS, crm to gray, f-xln to gritty, some fossilif, m-gr oolistic dense matrix, NS

SH, grays, some mustard yellow, green, maroon, striated, scatt fossil frgmts, pyrite  
MS, crm to brn, f-xln, dense, scatt suboolitic pcs, rare fossils

10 MCF/25"  
12 MCF/30"  
4" BB  
SB BOB 45/sec  
GTS/immed  
GA 1/8th inch choke  
8 MCF/10"  
10 MCF/20"  
11 MCF/30"  
12 MCF/40"  
12 MCF/45"  
BB Built to BOB/20"  
2926' GIP  
Rec: 787' Total Fluid  
535' Gsy O (20g,80o)  
252' GMWCO (30g,  
40o,20w,10m)  
IH 1840#  
IF 91-164#  
ISIP 936#  
FF 172-308#  
FSIP 935#  
FH 1773#  
Temp 114°F  
API gravity 41.3  
Rw .13 @ 63°F  
CI 66,000 ppm

Bloodhound Computer screen quit working, Data is up on the website currently!!



SH, gray, green, fissile, MS, crm to brn, lt. green, dense to soft shaly, some fossils, NS, rare min fluor

SH, varicolored brn, mustrd. yellow, green, maroon, gray, some pcs sandy, vf-gr. silty, rare SS clusters, vf-gr sorted soft

Chert, varicolored, yellow, white, green, scatt fossils, NS, rare WS, brn, mic-xln, dense, fossilif, oolitic, rare SS, wt., sorted, vf-gr.

Chert, white to off white, varicolored, very faint odor, some weathered(50% of chert)fresh, some white wthrd pcs with very spotty stn

Chert, white, off white, weathered pcs inc.(75% of chert), some fresh, wthrd pcs with spotty stn, very faint residual cut, very faint odor

Chert, white, weathered(85-90% of chert), A.A., some fresh to weathered on the same pc, no new shows

Chert, off white, whrd (90%) fresh (10%), some pcs w/ spty stn rare (1) pc bleeding gas, no odor

Chert, white to off white, fresh to whethere, spotty stn (in cracks) (>10%)

Chert, white, fresh, some / whethere edges/ sides, rare pcs w/ stnd wthrd pcs, rare bleeing gas

Chert, AA, 60% whethere, 40% fresh

Chert, white, off white, mostly wthrd, (90%) (10% fresh), scatt stn on whrd pcs

Chert, AA, 90% wthrd, scatt stn (60% from above?) rare bleeding gas

Cherty AA, inc in fresh pcs w/ no stn, rare (10%)

Cherty mostly wht, wthrd (40% fresh), w/ wthrd edges stn on wthred edges 80%

Chert, white, 50% weathered, 50% fresh, carrying shows A.A., some fossilif.

MS, crm to brn, hard, f-xln, scatt fossils, dense, NS dull fluor, carrying Chert, A.A.(75% sample)

MS, crm to lt. gray, brn, mic to f-xln, hard, dense, some brittle, fossils, some pcs sandy looking, NS, SH, grays, varicolored, still carrying a lot of Chert, A.A.

MS-WS, brn to crm, f-xln, dense, hard, fossilif., sub oolitic pcs, dull fluor, NS, SH, A.A.

MS-WS, brn to crm, f-xln, dense, hard, fossilif., sub oolitic pcs, dull fluor, NS, carrying SH and chert, A.A.

Carry a lot of SH, gray to green, yellow, calcitic(some fresh SH?), Chert, white, mostly fresh, MS, brn to off white, f-xln, some mic-xln, hard, fossils, rare pcs sli. dolomitic, vf-gr/gritty txt, friable, dull fluor, NS

MS, brn, crm, lt. gray, f-xln, dense, NS, carrying SH, chert, A.A.

SH, various grays, maroon, mustard yellow, brn, sli. silty some MS, brn, to crm, f-xln, dense, some Chert, white, dec. amt

MS, tan to brn, f-xln, firm to dense, hard, some brittle, fossils, rare dk. mineral specs, pyrite, SH, gray, dk. gray, red, maroon, greenish gray, mustard yellow

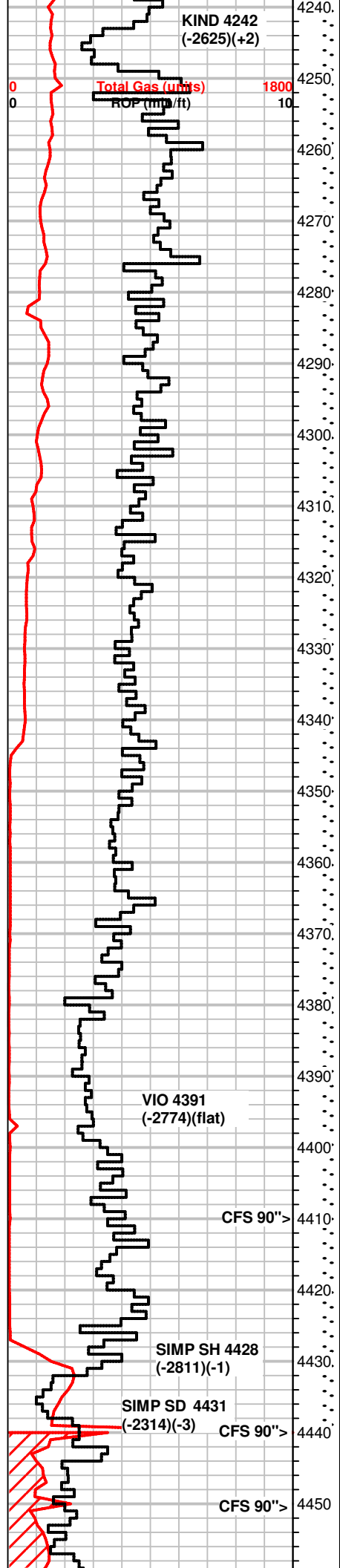
MS, brn to tan, f-xln, fossils, silty to chalky pcs, most dense, lesser SH, gray, dk. gray, green, pyrite

WS, brn, mic to f-xln, dense, fossilif, dull fluor, NS

**NO GAS KICK across Mississippi Chert**

**DST #3 3965-4065**  
**Miss Chert**  
**30-60-45-90**  
**SB BOB/immed GTS/3 min**  
**Ga 1 in choke**  
**2.7MMCF/10"**  
**2.1MMCF/20"**  
**2.1MMCF/30"**  
**Wouldn't bleed off Ga 1 inch choke**  
**2.4MMCF/10"**  
**2.1MMCF/20"**  
**2.1MMCF/30"**  
**2.1MMCF/40"**  
**3723' GIP**  
**Rec: 240' GCM (10g,90m)**  
**IH 1937#**  
**IF 837-534#**  
**ISIP 1183#**  
**FF 680-515#**  
**FSIP 1247#**  
**FH 2056#**  
**Temp 119°F**





Influx SH, gray to dk. gray pcs(fresh), platy, fossil molds, scatt varicolored(carrying?), scatt WS-MS, A.A.

SH, grays, greenish gray, pyrite, silty pcs scatt, rare Dk. gray/blk pcs

SH, gray, platy, rare MS, brn to crm,f-xln, dense

SH, A.A., green, some pyrite

SH, lt grays, some dk, yellowish, brn

SH H, grays, green, rare blk, pyrite, carb

SH A.A., MS, crm to fnm-xln, gritty, txt, hard, dense, NS

SH, dk gray, gray, green, silty, striated

SH, grays, green, red, brn, pyrite

SH A.A., MS-WS, crm to brn, f-xln, dense, fossils

SH, gray, dk. gray, green, silty, scatt maroon, yellow

SH, grays, green, pinkish brn

SH, A.A., MS, crm to brn, f-xln, dense, brittle pcs, scatt fossils, most barren

SH, grays, A.A., some pcs limey to dolomitic/calc., bleeding gas, flash odor

SH, gray to brn, silty, sli. carb, bleeding gas, v. faint to flash odor in bag

Samples still carrying SH, A.A, gassy

Dolo, tan to lt. gray, vf-suc, hard, vf-gritty txt, no fluor, minderal specs,

Do. tan to lt. gray, brn, sandy pcs, A.A., spotty bright fluor, spotty stn, streaming cut, 2 pcs, tite, some pcs no cut, Chert, brn, blocky, 60", dolo, A.A., spotty bright fluor, no cut, no odor

Dolo,A.A., scatt fluor, NS  
Chert, brn

Dolo, brn to tan, lt. gray, f to m-xln, hard, rare dull fluor, NS  
sandy pcs, some brittle, Chert, brn, white

SH, sea green, grays, carrying Dolo. A.A.

SS cluster, white, f to m-gr, sorted, sub ang. to sub rnded, Rare loose Qtz grs., co-gr, rnded, sli. frosted, rare spotty stn in dry, no odor

SS clusters, gray to wht, f to m-gr, sub angular to sub rnded, sorted, hard and tite to friable, some mineral specs, sli. dolomitic in part, no odor, no fluor, 1 drop of free oil in tray

SS clusters, white, f to m-gr, friable to hard, A.A.

**ALL TOPS BELOW MISS ARE CORELATED TO Vincent Oil Corp. JONES TRUST #1-23 in the NW NW of Sec. 23**

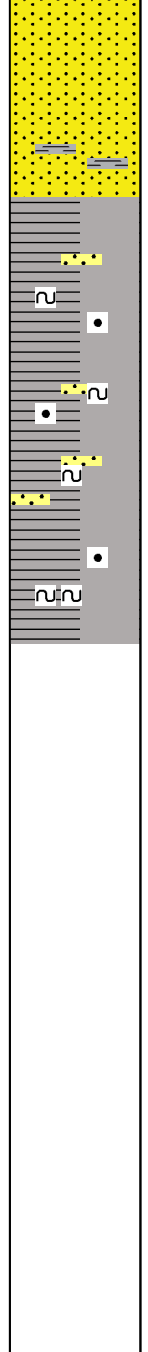
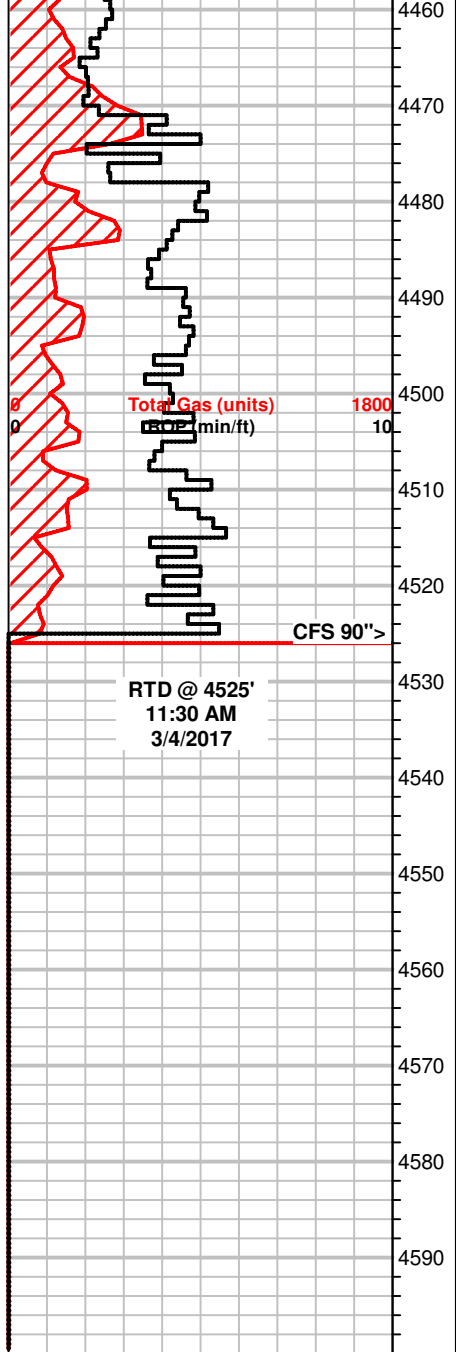
**Gas line frozen @ 3:30 AM, can't find the blockage**

**Mud @ 4440  
50 vis  
9.0 wt  
2#**

**+150 UGK  
+113 UGK recycle**

**Gas reading high due to previous test!**

**DST #4 4235-4440  
Viola-Simp Sd.  
30-60-45-90**



SS clusters, A.A., scatt loose Qtz grs, m to co-gr, some frosty, no fluor, no odor, NS, scatt SH, rare dk. gray, most grays

SH, dk. gray to gray, green, some w/ SS clusters stuck on the edge, friable, soft, NS, scatt SS, A.A., NS

SH, dk. gray to gray, green, some pcs of SS, white to gray, f to c-gr, poorly sorted, sub angular, friable, glauc and dk. mineral specs, NS

Flood, SH, dk. gray, mostly gray, green, sandy pcs, rare SS clusters, some from above, some fresh, very silty to shaly, mineral inclusions, NS

SH, dk. gray to gray, green, greenish gray striated, somre pyrite, SS clusters, silty, friable, most with mineral inclusions

SH, gray, rare dk. gray, soft, sandy pcs scatt., glauc

SB, BOB/90 sec  
WBB surf blow  
SB BOB/2 min GTS/12 min, TSTM  
BB built to BOB/5 min.  
2513' GIP  
Rec: 252' GCM (20g,80m)  
378' GOCM (10g,20o,70m)  
1071' GMCO (30g,50o,20m)  
IH 2110#  
IF 158-385#  
ISIP 1481#  
FF 413-683#  
FSIP 1493#  
FH 2112#  
Temp 125°F

Mud @ 4490  
57 Vis  
8.9 Wt  
2# LCM  
8.0 filtrate