KOLAR Document ID: 1409747

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 # 5004
Name: Vincent Oil Corporation
Address 1: 200 W DOUGLAS AVE #725
Address 2:
City: WICHITA State: KS Zip: 67202 + 3013
Contact Person: M.L. Korphage
Phone: (316) 262-3573
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Tom Dudgeon
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 #:

1/27/2018 Spud Date or Recompletion Date
2/10/2018 Date Reached TD
4/19/2018 Completion Date or Recompletion Date

API No.: 15-057-20991-00-00
Spot Description:
NW - SE - NE - SE Sec. 34 Twp. 28 S. R. 23 ☐ East ☑ West
1758 Feet from ☐ North / ☑ South Line of Section
592 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ford
Lease Name: KEOUGH Well #: 10-34
Field Name: Mullberry Creeek
Producing Formation: Mississippian
Elevation: Ground: 2511 Kelly Bushing: 2519
Total Vertical Depth: 5350 Plug Back Total Depth: 5345
Amount of Surface Pipe Set and Cemented at: 644 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: 28600 ppm Fluid volume: 850 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Elk Energy Holdings LLC
Lease Name: Karla License #: 35420
Quarter SW Sec. 1 Twp. 29 S. R. 22 ☐ East ☑ West
County: Ford Permit #: D31368

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: 05/22/2018
☐ **Confidential Release Date:** 05/21/2020
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 05/23/2018

Page Two

Operator Name: Vincent Oil Corporation Lease Name: KEOUGH Well #: 10-34

Sec. 34 Twp. 28 S. R. 23 ☐ East ☑ West County: Ford

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 *(Attach Additional Sheets)*	☑ Yes	☐ No	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☑ Yes	☐ No	

List All E. Logs Run: Attached

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

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	644	MDC & Common	275	2% Gel , 3% CC & 1/4# Flo-seal/sx
Production	8.875	4.5	11.6	5345	Pro-C	175	5# Kol-seal/sx & 10% Salt

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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: 4/19/2018

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	16		16		

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

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

PRODUCTION INTERVAL:

Top	Bottom
5206	5250

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
2	5206	5250			Perforated, ran tubing, acidized perfs with 500 gal (15% MCA), swab 14 bbls /hr tr -10% Oil.
					Swab 10 bbl/hr, 36 -66% Oil, fld swab dry, Acidized with 2500 gal (15% MCA) w/ perf balls, swab wtr with perf balls plugging line, SDFN
					Swab 7bbls/hr, 7-10% Oil Fld at 3500' line plugged w/ Perf balls Fld at 2500' Swb 10 bbls /hr 49% Oil, 8th hr 12 bbls/hr 25% Oil SDFN
					Fld at 4050' swabbed 12 bbls/hr, 20% Oil. Ran BHP & rods. trenched lead lines and set surface equip.
					First oil to battery 4/19/2018

TUBING RECORD: Size: 2.3750 Set At: 5280 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	KEOUGH 10-34
Doc ID	1409747

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	KEOUGH 10-34
Doc ID	1409747

Tops

Name	Top	Datum
Heebner Shale	4336	(-1817)
Brown Limestone	4476	(-1957)
Lansing	4488	(-1969)
Stark Shale	4820	(-2301)
Base Kansas City	4935	(-2416)
Pawnee	5028	(-2509)
Cherokee Shale	5072	(-2553)
Base Penn Limestone	5174	(-2655)
Morrow Sand	5185	(-2666)
Mississippian	5197	(-2678)
RTD	5350	(-2831)

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	KEOUGH 10-34
Doc ID	1409747

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	644	MDC & Common	275	2% Gel , 3% CC & 1/4# Flo-seal/sx
Production	8.875	4.5	11.6	5345	Pro-C	175	5# Kol-seal/sx & 10% Salt

QUALITY WELL SERVICE, INC.

6785

Federal Tax I.D. # 481187368
Home Office 30060 N. Hwy 281, Pratt, KS 67124
Mailing Address P.O. Box 468
Office 620-727-3410 **Rich's Cell 620-727-3409**
Fax 620-672-3663 **Brady's Cell 620-727-6964**

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-28-18	34	28	23	Ford	KS	7:00 AM	10:15 AM

Lease Keough Well No. 10-34 Location

Contractor Duke 2 Owner

Type Job Surface

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 12¼ T.D. 646

Csg. 8⅝ Depth 646

Charge To Vincent

Tbg. Size Depth

Street

Tool Depth

City State

Cement Left in Csg. 42 Shoe Joint

The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line Displace 38

Cement Amount Ordered 125 sx MDC 2% Gel 3% CC ¼ C.F. 150 sx Common 2% Gel 3% CC ¼ C.F.

EQUIPMENT

Pumptrk 8	No.	Dave
Bulktrk 9	No.	Dillon
Bulktrk 7	No.	Mike
Pickup	No.	

JOB SERVICES & REMARKS

Ran 15 jts of 8⅝ csg
Broke circulation with Rig.
Mixed 125 sx MDC 2% Gel 3% CC
¼ C.F. 150 sx Common 2% Gel 3% CC
¼ C.F. Released plug. Displaced with
38 bbls H2O Shut in 700 psi
Cement did circulate to surface

Common	150
~~Poz. Mix~~ MDC	125
Gel.	11
Calcium	10
Hulls	
Salt	
Flowseal	66.25
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	296
Mileage	50

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
~~Float Shoe~~	8⅝ Baffle Plate
Latch Down	8⅝ Wooden Plug
LMV	50
Service Supervisor	
Pumptrk Charge	Surface
Mileage	100
Tax	
Discount	
Total Charge	

X Signature Dion Vaughn

Taylor Printing, Inc.

QUALITY WELL SERVICE, INC.

6791

Federal Tax I.D. # 481187368
Home Office 30060 N. Hwy 281, Pratt, KS 67124
Mailing Address P.O. Box 468
Office 620-727-3410 **Rich's Cell 620-727-3409**
Fax 620-672-3663 **Brady's Cell 620-727-6964**

Date 2-11-18	Sec. 34	Twp. 28	Range 23	County Ford	State KS	On Location 1:30 AM	Finish 7:00 AM

Lease Krouse Well No. 10-34 Location

Contractor Duke 2 Owner

Type Job Longstring

Hole Size 7 7/8 T.D. 5350

Csg. 4.5 11.6 Depth 5345

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 15.50 Shoe Joint 15.50

Meas Line Displace 82.6

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.

Charge To Vincent

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 225 sx Pro C 5# Kolseal 10% Salt

EQUIPMENT

Pumptrk 8	No.	
Bulktrk 9	No.	
Bulktrk	No.	
Pickup	No.	

JOB SERVICES & REMARKS

Rat Hole 30

Mouse Hole 20

Centralizers

Baskets

D/V or Port Collar

Ran 4.5 csg to 5345' tied on circulation circulated 10bbl mixed Pro Flush Pumped 30sx Rat hole 20sx mouse hole Mixed 175sx Pro C shut down washed up truck released plug. Displaced with 82.6 bbls 1140. Landed plug released ~~plug~~ Float Held.

Common	225 Pro C
Poz. Mix	
Gel.	4
Calcium	
Hulls	
Salt	24
Flowseal	
Kol-Seal	1125 #
Mud CLR 48	500 Gal Mud Flush
CFL-117 or CD110 CAF 38	CC-1 8 Gals
Sand	
Handling	253
Mileage	50

FLOAT EQUIPMENT

Guide Shoe	1 4.5
Centralizer	6 4.5
Baskets	
AFU Inserts	1 4.5
~~Float~~ Shoe	1 4.5 Rubber Plug
Latch Down	
LMV	50
Service Supervisor	
Pumptrk Charge	Longstring
Mileage	100
Tax	
Discount	
Total Charge	

X Signature

Taylor Printing, Inc.

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63354 **DST#: 1**

Test Start: 2018.02.05 @ 03:45:49

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:48:21
Time Test Ended: 14:23:21

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 5016.00 ft (KB) To 5045.00 ft (KB) (TVD)
Total Depth: 5045.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

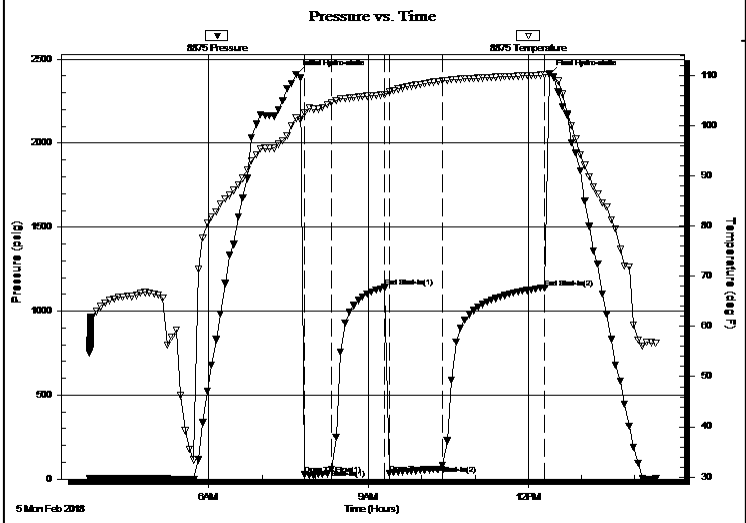
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: 83.02 psig @ 5017.00 ft (KB)
Start Date: 2018.02.05 End Date: 2018.02.05
Start Time: 03:45:50 End Time: 14:23:21

Capacity: psig
Last Calib.: 2018.02.05
Time On Btm: 2018.02.05 @ 07:38:21
Time Off Btm: 2018.02.05 @ 12:23:21

TEST COMMENT: IF: Strong Blow , Built to 11 1/2 inches
ISI: No Blow Back
FF: Strong Blow , Built to 19 3/4 inches
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2408.51	101.52	Initial Hydro-static
10	28.61	102.56	Open To Flow (1)
40	57.81	104.55	Shut-In(1)
100	1141.48	106.20	End Shut-In(1)
105	36.41	106.72	Open To Flow (2)
165	83.02	108.94	Shut-In(2)
280	1139.98	110.13	End Shut-In(2)
286	2410.06	110.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3540 GIP	0.00
62.00	SOMCW 2%O 32%M 66%W	0.87
40.00	SOCM 4%O 96%M	0.56

Gas Rates

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

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63354 **DST#: 1**

Test Start: 2018.02.05 @ 03:45:49

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:48:21
Time Test Ended: 14:23:21

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 5016.00 ft (KB) To 5045.00 ft (KB) (TVD)
Total Depth: 5045.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

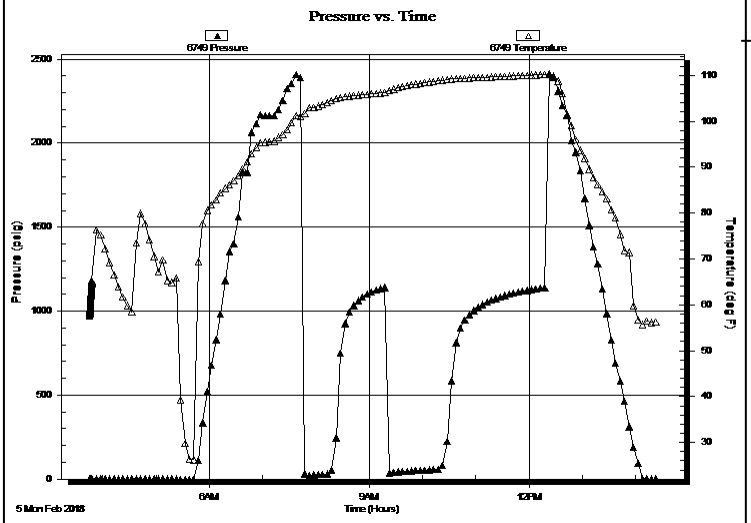
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6749 **Outside**

Press@RunDepth: psig @ 5017.00 ft (KB)
Start Date: 2018.02.05 End Date: 2018.02.05
Start Time: 03:45:01 End Time: 14:22:32

Capacity: psig
Last Calib.: 2018.02.05
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , Built to 11 1/2 inches
ISI: No Blow Back
FF: Strong Blow , Built to 19 3/4 inches
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3540 GIP	0.00
62.00	SOMCW 2%O 32%M 66%W	0.87
40.00	SOCM 4%O 96%M	0.56

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63354 **DST#: 1**

Test Start: 2018.02.05 @ 03:45:49

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:	56000 ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.17 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7100.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3540 GIP	0.000
62.00	SOMCW 2%O 32%M 66%W	0.870
40.00	SOCM 4%O 96%M	0.561

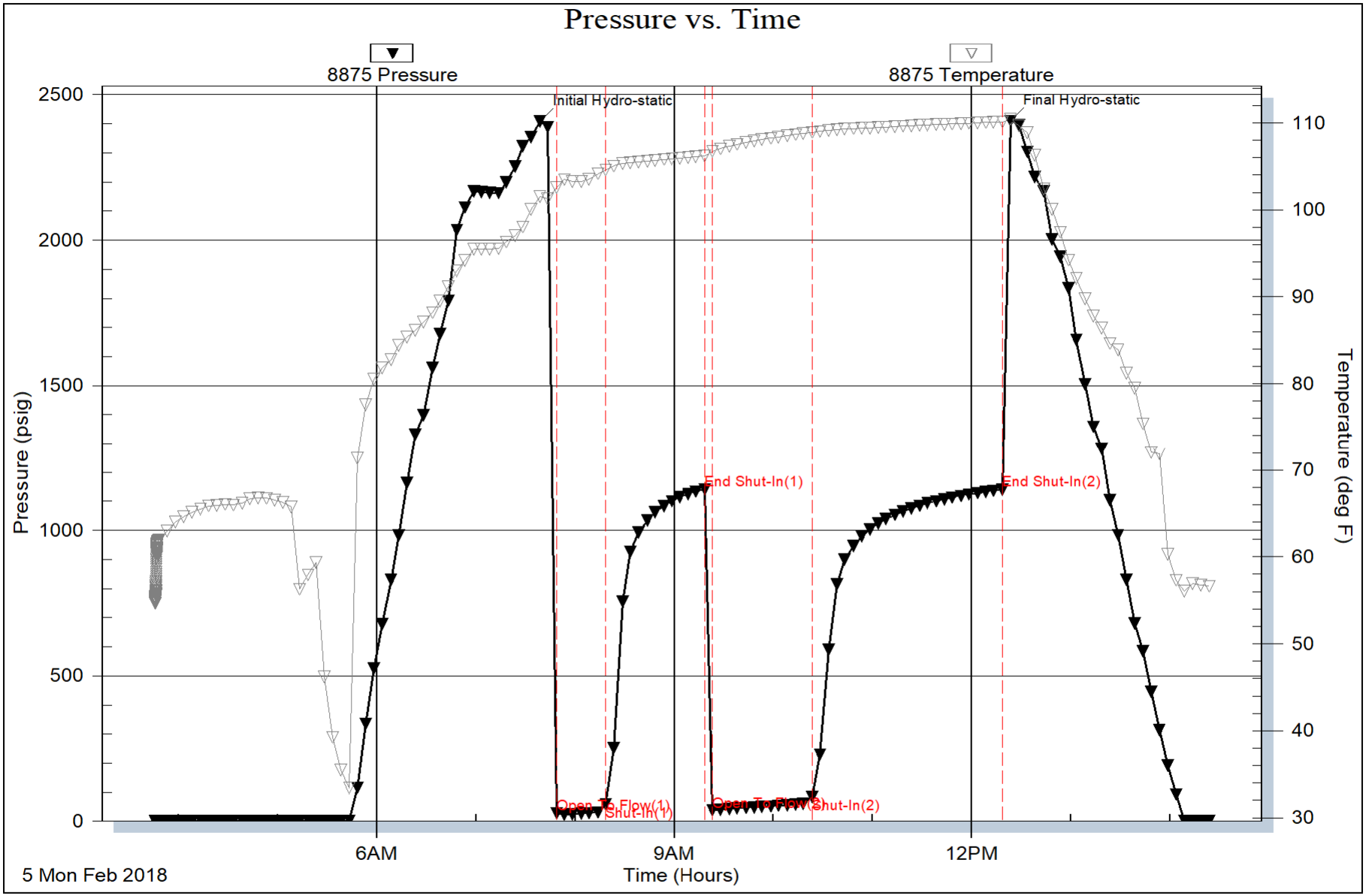
Total Length: 102.00 ft Total Volume: 1.431 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

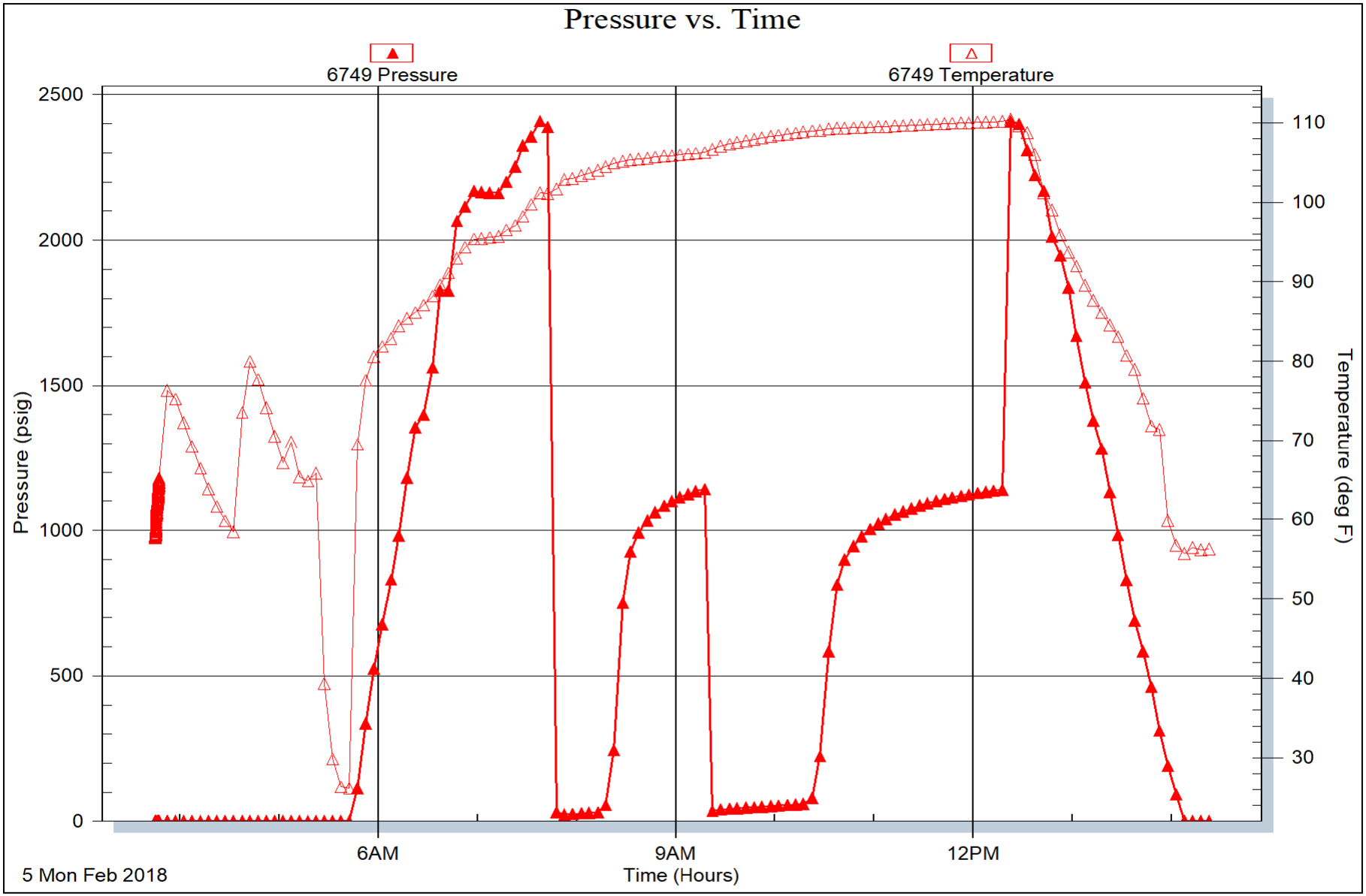
Recovery Comments: RW was .16 @ 60 degrees

Serial #: 8875 **Inside** Vincent Oil Corporation Keough 10-34 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63354 Printed: 2018.02.05 @ 15:41:32

Serial #: 6749 **Outside** Vincent Oil Corporation Keough 10-34 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63354 Printed: 2018.02.05 @ 15:41:32

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63355 **DST#: 2**

Test Start: 2018.02.06 @ 09:03:13

GENERAL INFORMATION:

Formation: **Penn Lime**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:19:45
Time Test Ended: 18:01:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5125.00 ft (KB) To 5170.00 ft (KB) (TVD)
Total Depth: 5170.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

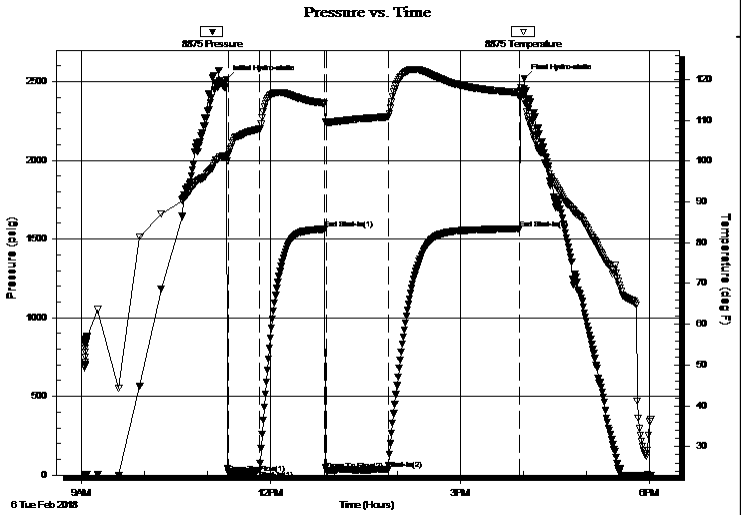
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: 38.25 psig @ 5126.00 ft (KB)
Start Date: 2018.02.06 End Date: 2018.02.06
Start Time: 09:03:14 End Time: 18:01:15

Capacity: psig
Last Calib.: 2018.02.06
Time On Btm: 2018.02.06 @ 11:17:45
Time Off Btm: 2018.02.06 @ 16:01:00

TEST COMMENT: IF: Strong Blow , Built to 305 inches
ISI: No Blow Back
FF: Strong Blow , BOB immediate, Built to 315 inches, GTS in 23 minutes, Caught Sample & Gauged Gas
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2512.32	101.28	Initial Hydro-static
2	13.85	101.64	Open To Flow (1)
32	29.63	107.84	Shut-In(1)
93	1562.28	114.15	End Shut-In(1)
95	27.37	109.53	Open To Flow (2)
154	38.25	110.84	Shut-In(2)
278	1564.98	116.87	End Shut-In(2)
284	2519.84	116.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	5101 GIP	0.00
30.00	GCM 5%G 95%M	0.42

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	14.00	45.05
Last Gas Rate	0.13	19.00	12.50
Max. Gas Rate	0.13	19.00	12.50

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63355 **DST#: 2**

Test Start: 2018.02.06 @ 09:03:13

GENERAL INFORMATION:

Formation: **Penn Lime**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:19:45
Time Test Ended: 18:01:15

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5125.00 ft (KB) To 5170.00 ft (KB) (TVD)
Total Depth: 5170.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

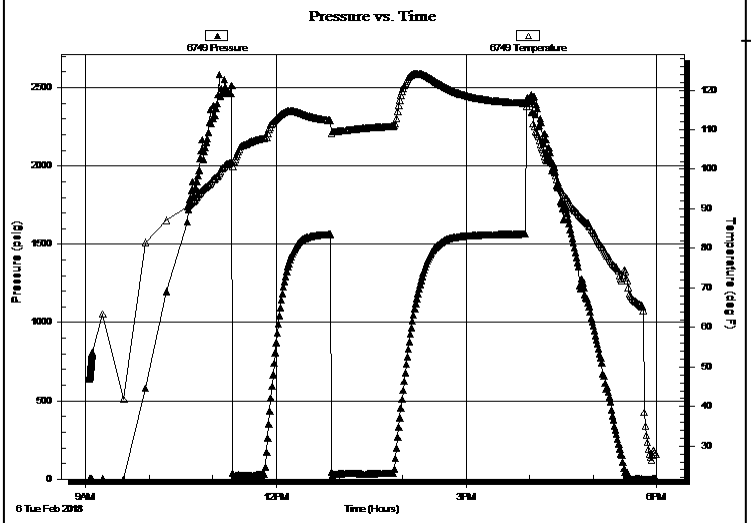
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6749 **Outside**

Press@RunDepth: psig @ 5126.00 ft (KB)
Start Date: 2018.02.06 End Date: 2018.02.06
Start Time: 09:03:41 End Time: 17:59:42

Capacity: psig
Last Calib.: 2018.02.06
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , Built to 305 inches
ISI: No Blow Back
FF: Strong Blow , BOB immediate, Built to 315 inches, GTS in 23 minutes, Caught Sample & Gauged Gas
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	5101 GIP	0.00
30.00	GCM 5%G 95%M	0.42

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	14.00	45.05
Last Gas Rate	0.13	19.00	12.50
Max. Gas Rate	0.13	19.00	12.50

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63355 **DST#: 2**

Test Start: 2018.02.06 @ 09:03:13

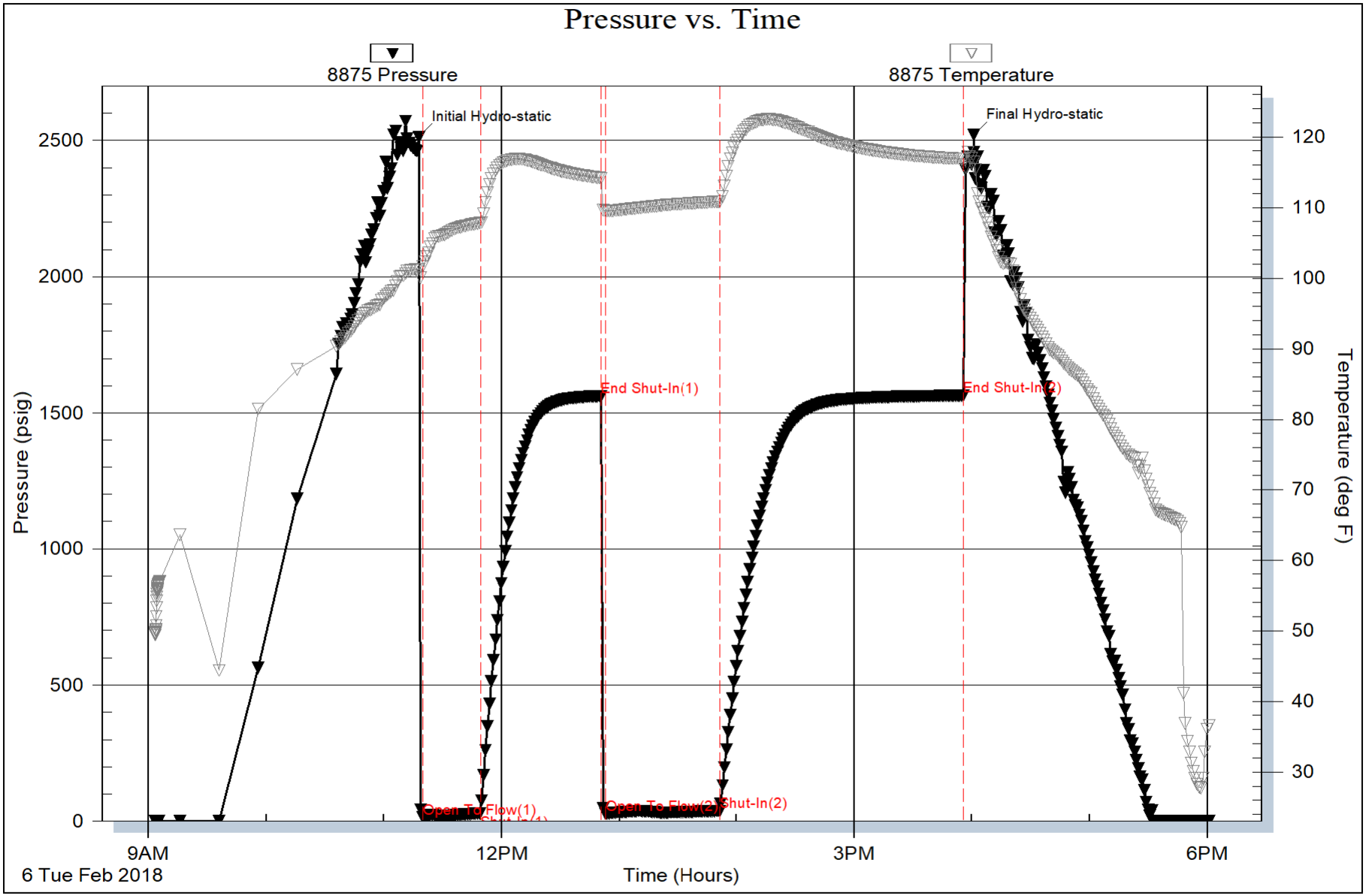
Gas Rates Information

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

Gas Rates Table

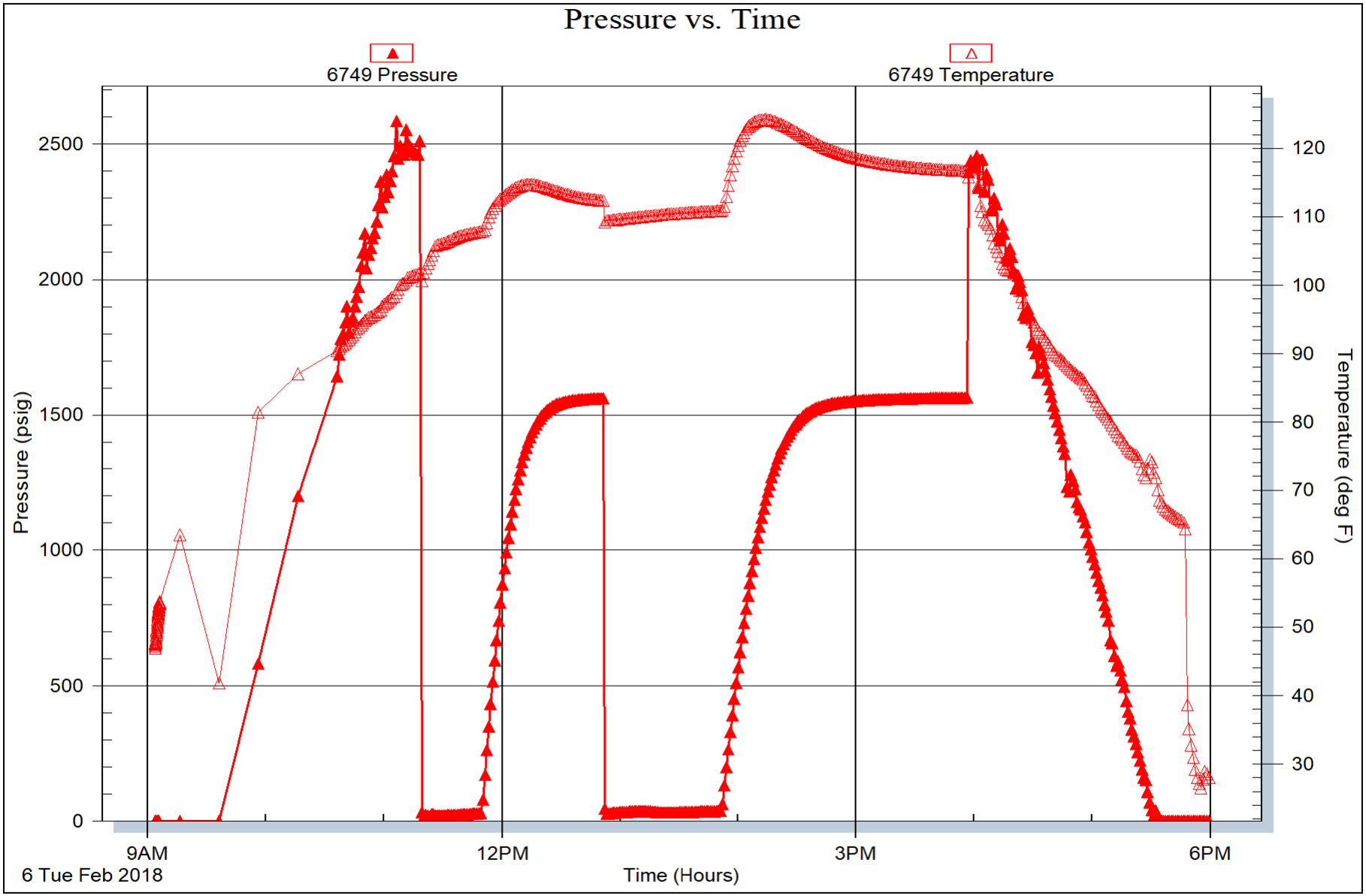
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	30	0.25	14.00	45.05
2	40	0.13	15.00	11.00
2	50	0.13	17.00	11.75
2	60	0.13	19.00	12.50

Serial #: 8875 **Inside** Vincent Oil Corporation Keough 10-34 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 63355 Printed: 2018.02.06 @ 18:43:13

Serial #: 6749 **Outside** Vincent Oil Corporation Keough 10-34 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 63355 Printed: 2018.02.06 @ 18:43:13

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63356 **DST#: 3**

Test Start: 2018.02.07 @ 05:34:55

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:09:12
Time Test Ended: 14:58:42

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5165.00 ft (KB) To 5200.00 ft (KB) (TVD)
Total Depth: 5200.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

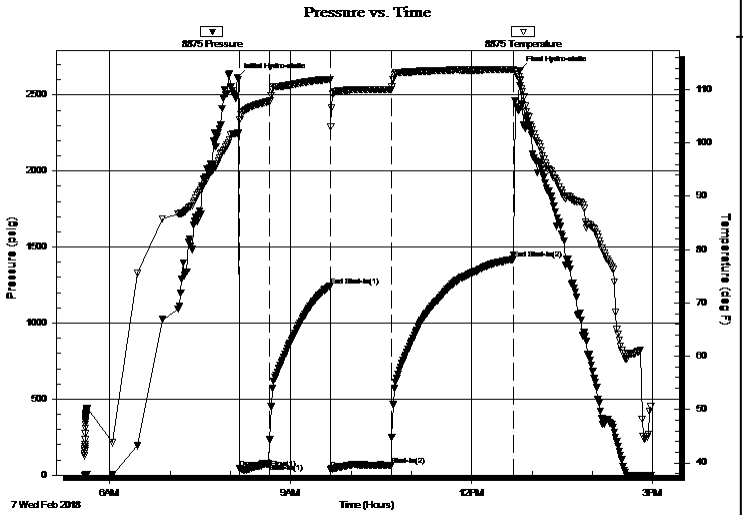
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: 65.00 psig @ 5166.00 ft (KB)
Start Date: 2018.02.07 End Date: 2018.02.07
Start Time: 05:34:56 End Time: 14:58:42

Capacity: psig
Last Calib.: 2018.02.07
Time On Btm: 2018.02.07 @ 08:06:42
Time Off Btm: 2018.02.07 @ 12:47:42

TEST COMMENT: IF: Strong Blow , Built to 315 inches
ISI: Blow Back Built to 22 inches
FF: Strong Blow , BOB immediate, GTS in 2 minutes, Gauged & Caught Sample
FSI: Blow Back Built to 122 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2613.78	101.81	Initial Hydro-static
3	45.04	104.33	Open To Flow (1)
32	75.34	107.81	Shut-In(1)
93	1244.01	111.86	End Shut-In(1)
93	39.39	103.10	Open To Flow (2)
153	65.00	110.08	Shut-In(2)
275	1421.63	113.80	End Shut-In(2)
281	2662.39	111.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
65.00	GCM 10%G 90%M	0.91

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	17.00	11.75
Last Gas Rate	0.25	25.00	62.50
Max. Gas Rate	0.13	29.00	16.24

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63356 **DST#: 3**

Test Start: 2018.02.07 @ 05:34:55

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:09:12
Time Test Ended: 14:58:42

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5165.00 ft (KB) To 5200.00 ft (KB) (TVD)
Total Depth: 5200.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

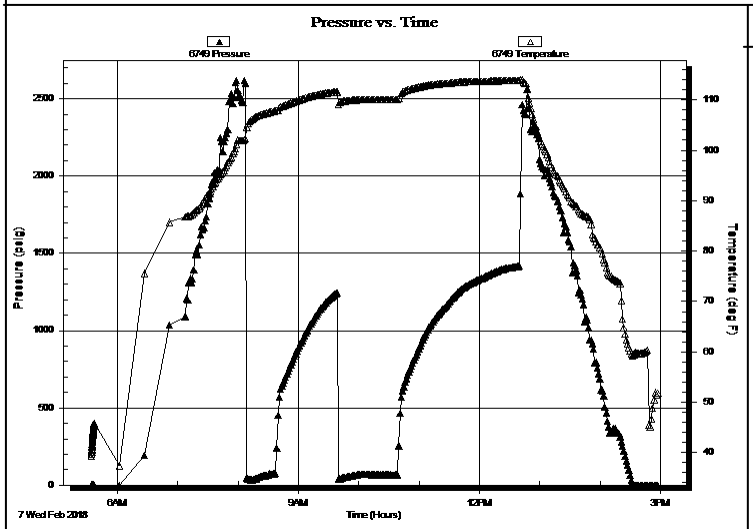
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6749 **Outside**

Press@RunDepth: psig @ 5166.00 ft (KB)
Start Date: 2018.02.07 End Date: 2018.02.07
Start Time: 05:34:10 End Time: 14:57:56

Capacity: psig
Last Calib.: 2018.02.07
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , Built to 315 inches
ISI: Blow Back Built to 22 inches
FF: Strong Blow , BOB immediate, GTS in 2 minutes, Gauged & Caught Sample
FSI: Blow Back Built to 122 inches



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
65.00	GCM 10%G 90%M	0.91

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	17.00	11.75
Last Gas Rate	0.25	25.00	62.50
Max. Gas Rate	0.13	29.00	16.24

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63356 **DST#: 3**

Test Start: 2018.02.07 @ 05:34:55

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:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6900.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GTS	0.000
65.00	GCM 10%G 90%M	0.912

Total Length: 65.00 ft Total Volume: 0.912 bbl

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

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63356 **DST#: 3**

Test Start: 2018.02.07 @ 05:34:55

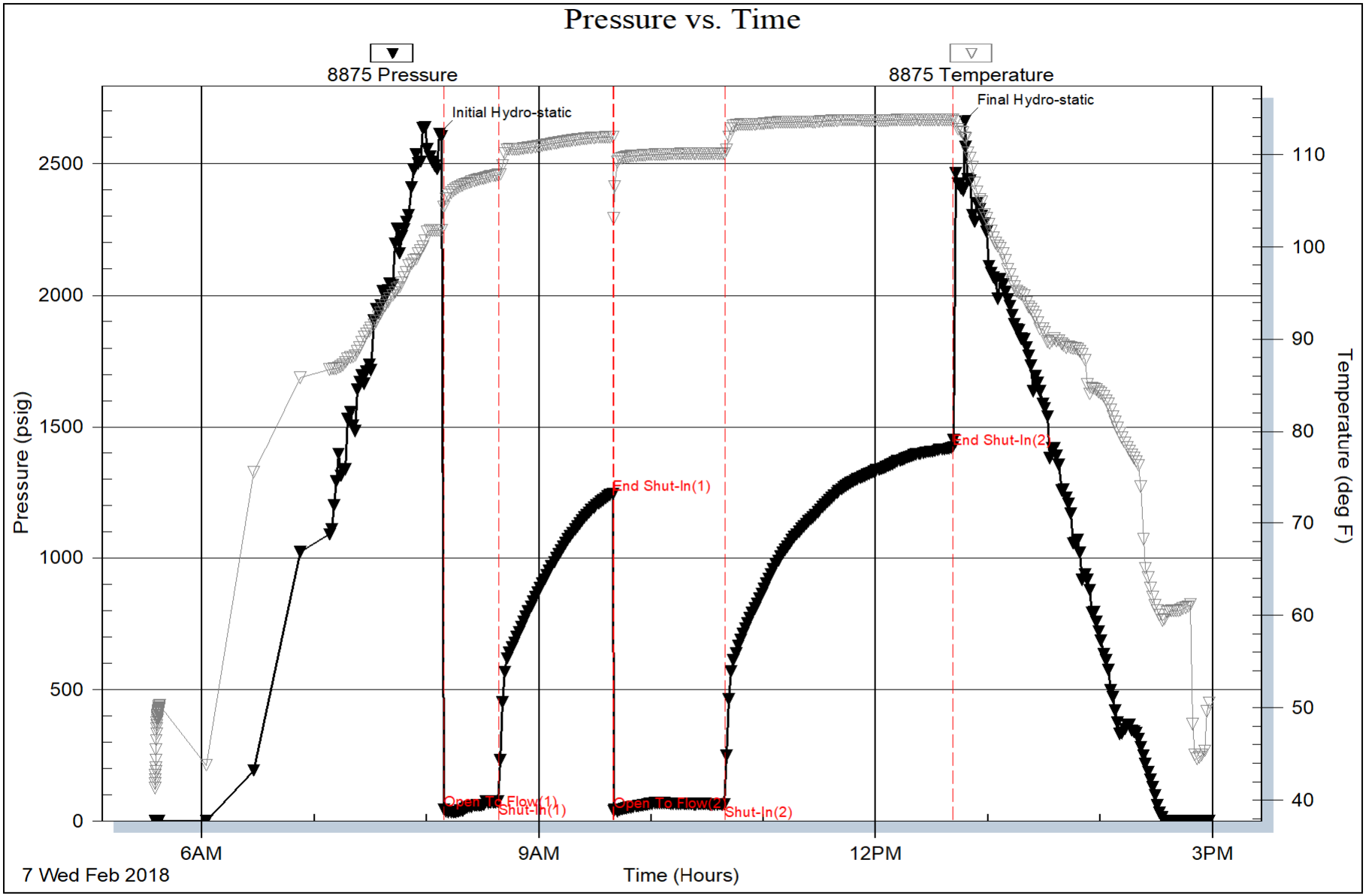
Gas Rates Information

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

Gas Rates Table

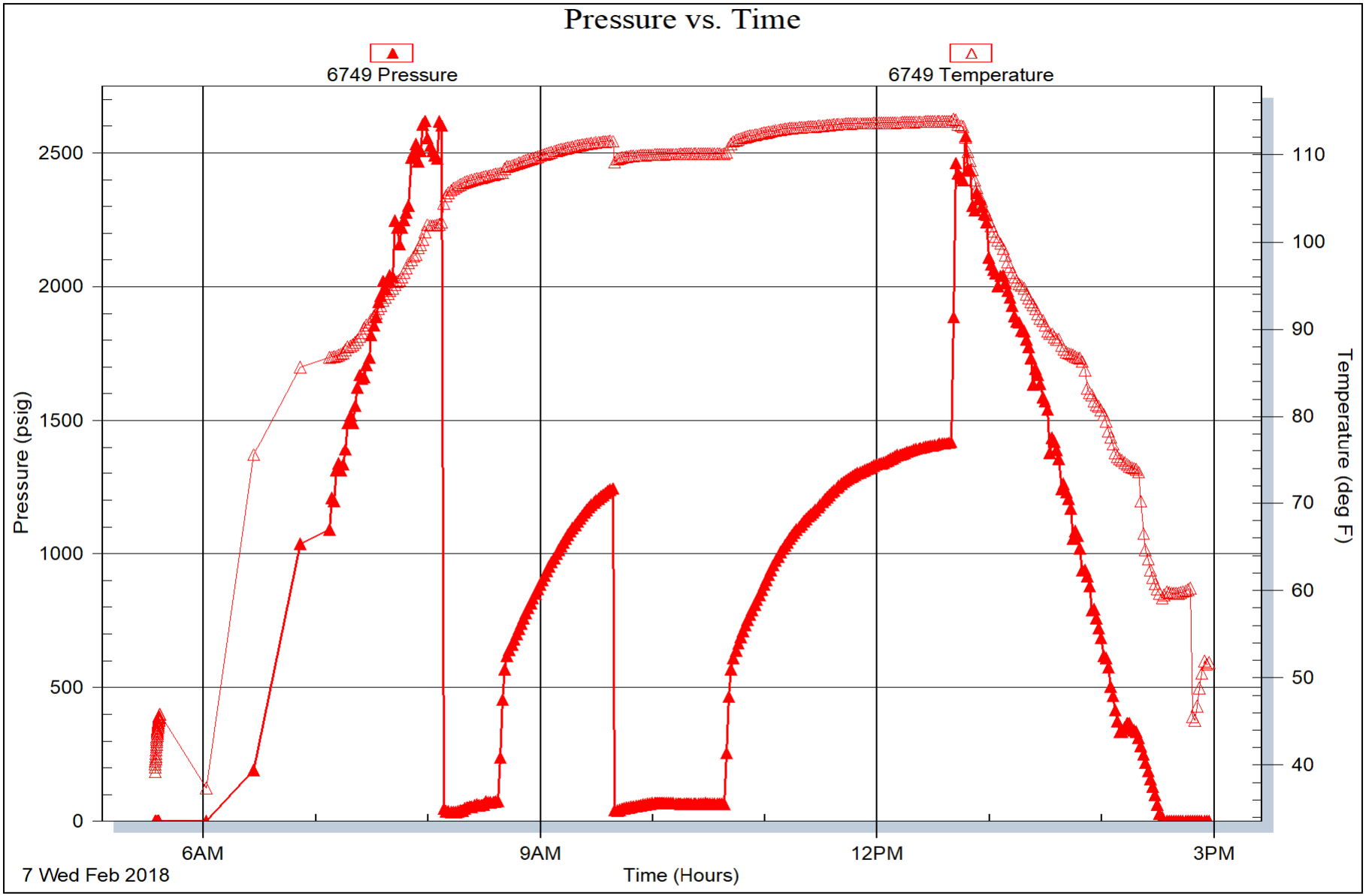
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.13	17.00	11.75
2	10	0.13	17.00	11.75
2	20	0.13	29.00	16.24
2	30	0.25	28.00	67.26
2	40	0.25	26.00	64.09
2	50	0.25	25.00	62.50

Serial #: 8875 **Inside** Vincent Oil Corporation Keough 10-34 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 63356 Printed: 2018.02.07 @ 15:12:36

Serial #: 6749 **Outside** Vincent Oil Corporation Keough 10-34 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 63356 Printed: 2018.02.07 @ 15:12:36

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63357 **DST#: 4**

Test Start: 2018.02.08 @ 03:10:04

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:49:51
Time Test Ended: 10:22:06

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5198.00 ft (KB) To 5220.00 ft (KB) (TVD)
Total Depth: 5220.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

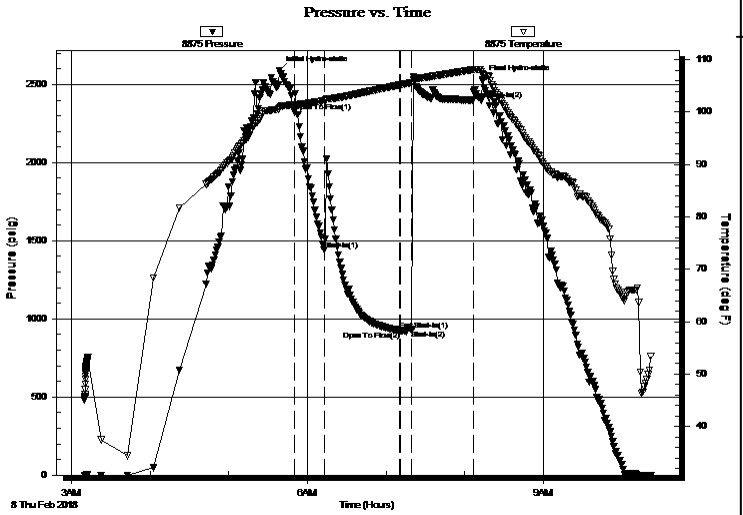
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: 929.82 psig @ 5199.00 ft (KB)
Start Date: 2018.02.08 End Date: 2018.02.08
Start Time: 03:10:05 End Time: 10:22:06

Capacity: psig
Last Calib.: 2018.02.08
Time On Btm: 2018.02.08 @ 05:38:36
Time Off Btm: 2018.02.08 @ 08:13:21

TEST COMMENT: IF: Weak 1/4 inch Blow
ISI: No Blow Back
FF: No Blow , Flushed Tool, No Blow
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2590.59	100.74	Initial Hydro-static
12	2325.93	101.40	Open To Flow (1)
34	1440.69	102.17	Shut-In(1)
92	925.91	105.17	End Shut-In(1)
93	925.25	105.19	Open To Flow (2)
101	929.82	105.66	Shut-In(2)
148	2401.01	108.08	End Shut-In(2)
155	2533.09	107.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63357 **DST#: 4**

Test Start: 2018.02.08 @ 03:10:04

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:49:51
Time Test Ended: 10:22:06

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5198.00 ft (KB) To 5220.00 ft (KB) (TVD)
Total Depth: 5220.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

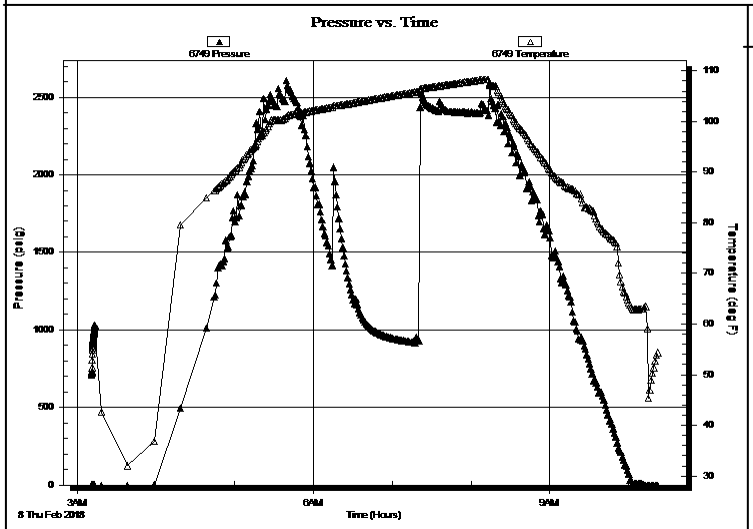
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6749 **Outside**

Press@RunDepth: psig @ 5199.00 ft (KB)
Start Date: 2018.02.08 End Date: 2018.02.08
Start Time: 03:11:00 End Time: 10:23:01

Capacity: psig
Last Calib.: 2018.02.08
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak 1/4 inch Blow
ISI: No Blow Back
FF: No Blow , Flushed Tool, No Blow
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63357 **DST#: 4**

Test Start: 2018.02.08 @ 03:10:04

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:	64.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8900.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

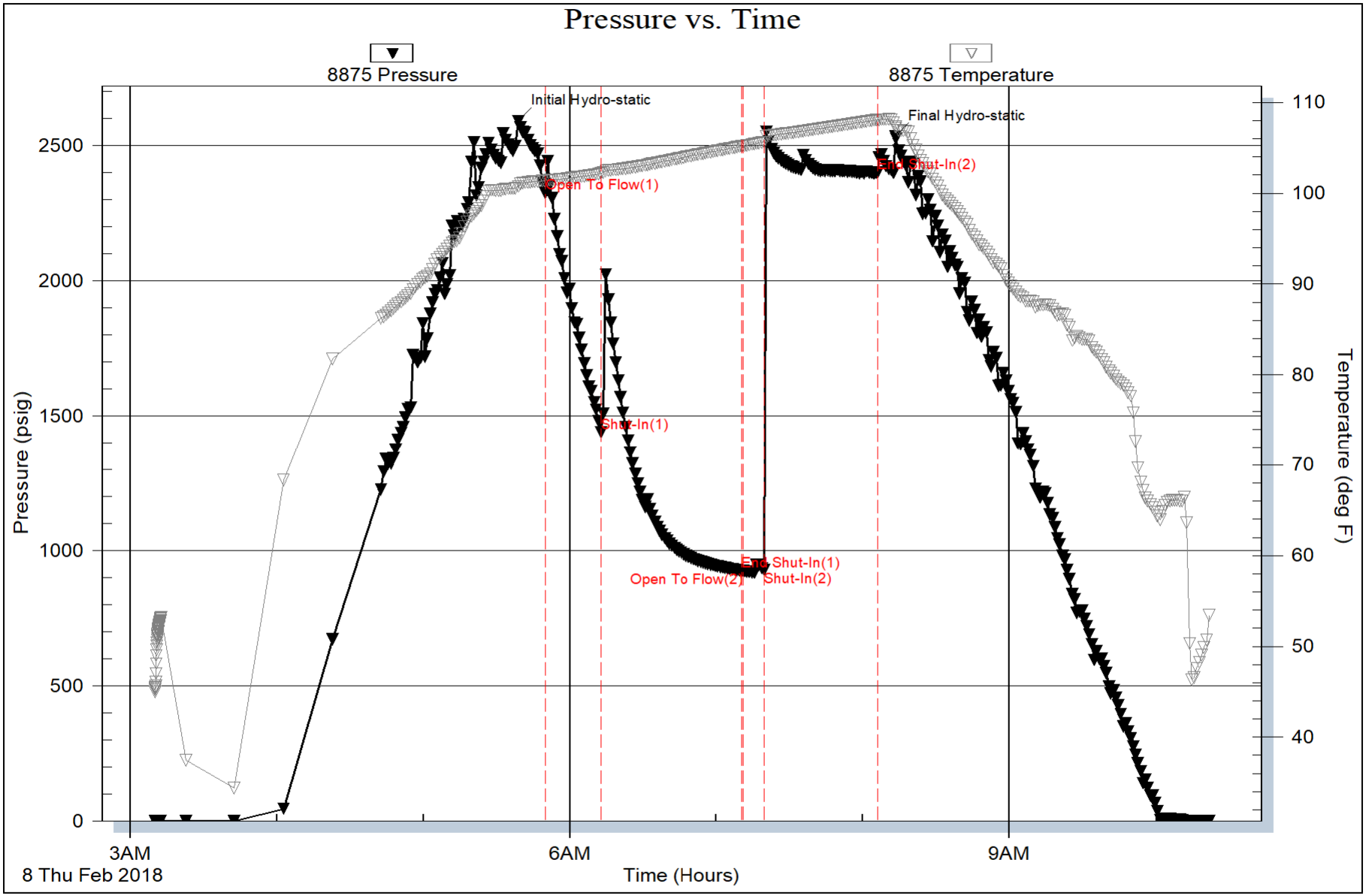
Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

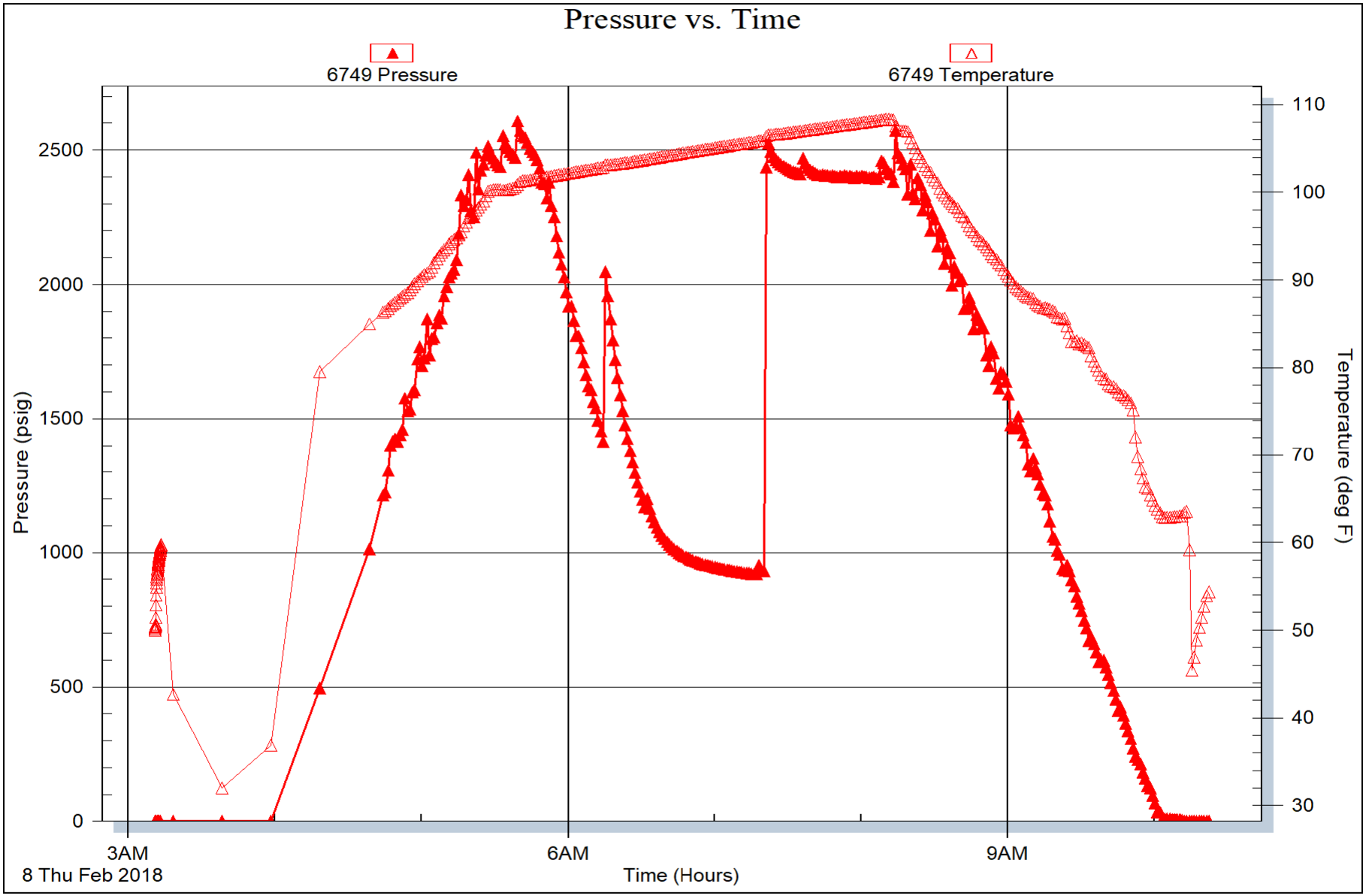
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8875 **Inside** Vincent Oil Corporation Keough 10-34 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 63357 Printed: 2018.02.08 @ 10:42:53

Serial #: 6749 **Outside** Vincent Oil Corporation Keough 10-34 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 63357 Printed: 2018.02.08 @ 10:42:53

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63358 **DST#: 5**

Test Start: 2018.02.08 @ 11:14:51

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:27:08
Time Test Ended: 20:18:53

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5201.00 ft (KB) To 5220.00 ft (KB) (TVD)
Total Depth: 5220.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

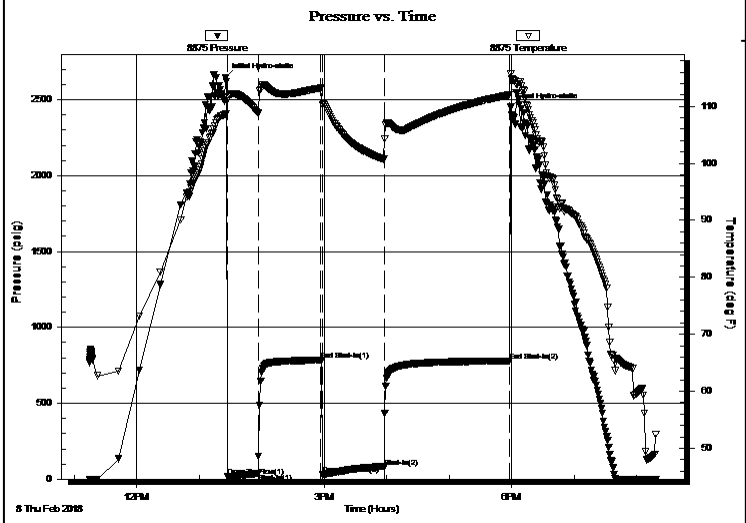
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: 78.78 psig @ 5202.00 ft (KB)
Start Date: 2018.02.08 End Date: 2018.02.08
Start Time: 11:14:52 End Time: 20:18:53

Capacity: psig
Last Calib.: 2018.02.08
Time On Btm: 2018.02.08 @ 13:25:08
Time Off Btm: 2018.02.08 @ 17:59:08

TEST COMMENT: IF: Strong Blow , Built to 316 inches
ISI: GTS During Bleed Off
FF: Strong Blow , BOB & GTS immediate, Gauged & Caught Sample
FSI: Blow Back Built to 17 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2642.90	108.62	Initial Hydro-static
2	16.37	110.97	Open To Flow (1)
32	38.52	108.72	Shut-In(1)
92	783.19	113.17	End Shut-In(1)
93	31.17	110.30	Open To Flow (2)
153	78.78	100.72	Shut-In(2)
273	779.77	112.03	End Shut-In(2)
274	2450.87	115.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	5158 GIP	0.00
35.00	SOCM 2%O 98%M	0.49

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	15.00	46.64
Last Gas Rate	0.25	47.00	97.40
Max. Gas Rate	0.25	47.00	97.40

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63358 **DST#: 5**

Test Start: 2018.02.08 @ 11:14:51

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:27:08
Time Test Ended: 20:18:53

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5201.00 ft (KB) To 5220.00 ft (KB) (TVD)
Total Depth: 5220.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

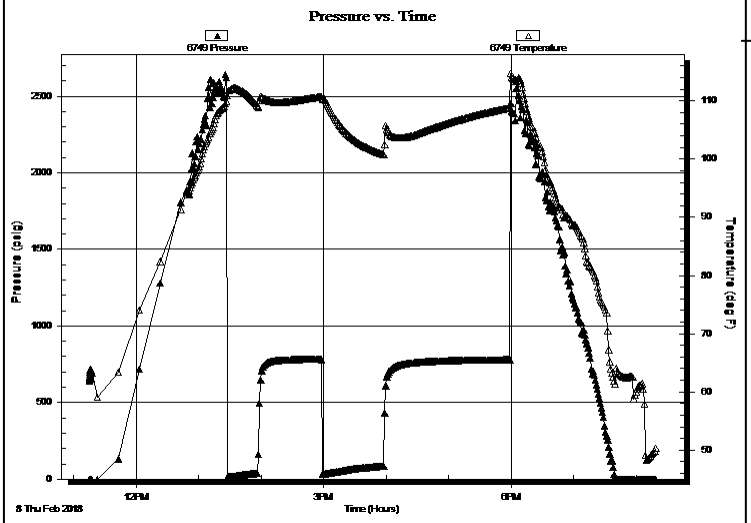
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6749 **Outside**

Press@RunDepth: psig @ 5202.00 ft (KB)
Start Date: 2018.02.08 End Date: 2018.02.08
Start Time: 11:15:29 End Time: 20:19:30

Capacity: psig
Last Calib.: 2018.02.08
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , Built to 316 inches
ISI: GTS During Bleed Off
FF: Strong Blow , BOB & GTS immediate, Gauged & Caught Sample
FSI: Blow Back Built to 17 inches



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	5158 GIP	0.00
35.00	SOCM 2%O 98%M	0.49

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	15.00	46.64
Last Gas Rate	0.25	47.00	97.40
Max. Gas Rate	0.25	47.00	97.40

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63358 **DST#: 5**

Test Start: 2018.02.08 @ 11:14:51

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:	64.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8900.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	5158 GIP	0.000
35.00	SOCM 2%O 98%M	0.491

Total Length: 35.00 ft Total Volume: 0.491 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63358 **DST#: 5**

Test Start: 2018.02.08 @ 11:14:51

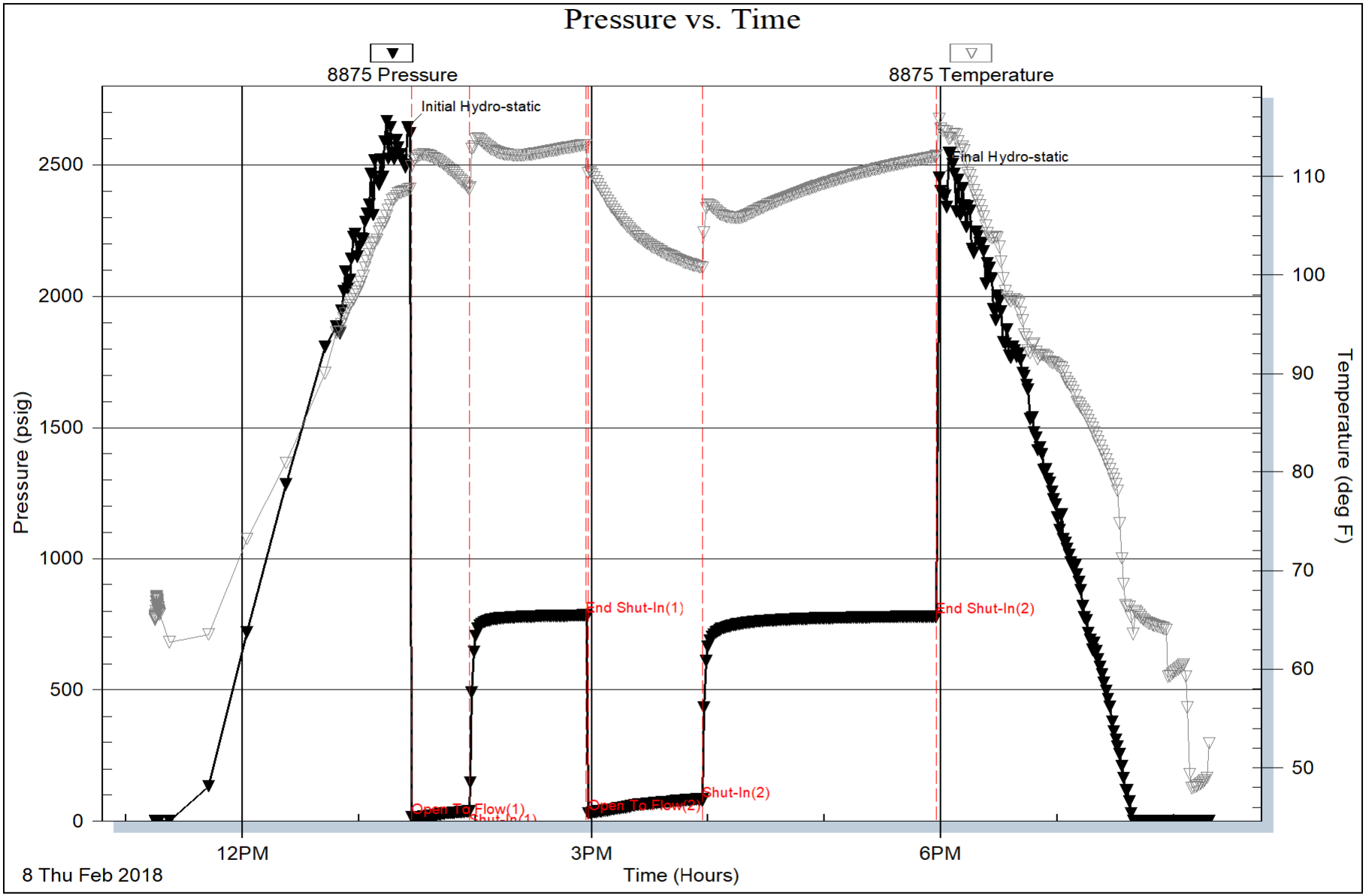
Gas Rates Information

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

Gas Rates Table

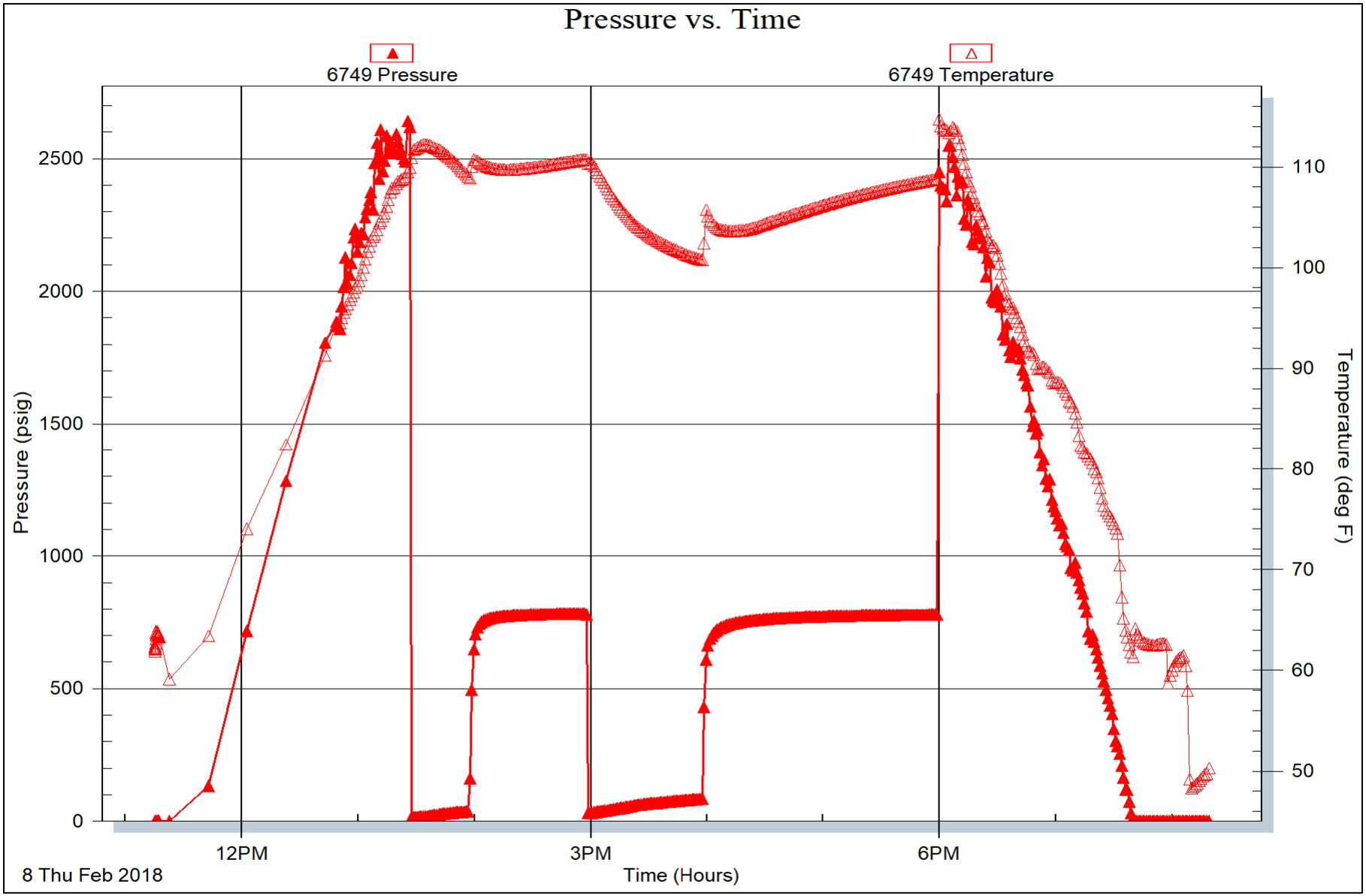
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.25	15.00	46.64
2	20	0.25	23.00	59.33
2	30	0.25	30.00	70.44
2	40	0.25	38.00	83.13
2	50	0.25	43.00	91.06
2	60	0.25	47.00	97.40

Serial #: 8875 **Inside** Vincent Oil Corporation Keough 10-34 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 63358 Printed: 2018.02.08 @ 21:10:21

Serial #: 6749 **Outside** Vincent Oil Corporation Keough 10-34 DST Test Number: 5



DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63359 **DST#: 6**

Test Start: 2018.02.09 @ 09:33:54

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:46:41
Time Test Ended: 18:39:56

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5225.00 ft (KB) To 5268.00 ft (KB) (TVD)
Total Depth: 5268.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

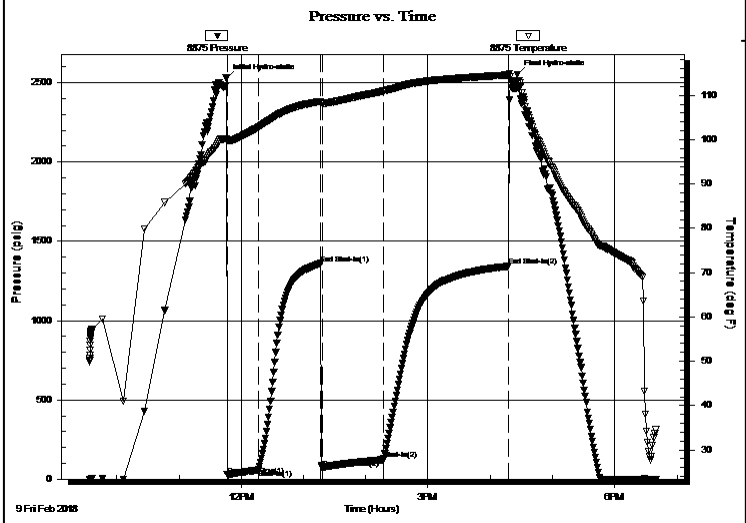
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: 123.40 psig @ 5226.00 ft (KB)
Start Date: 2018.02.09 End Date: 2018.02.09
Start Time: 09:33:55 End Time: 18:39:56

Capacity: psig
Last Calib.: 2018.02.09
Time On Btm: 2018.02.09 @ 11:45:26
Time Off Btm: 2018.02.09 @ 16:26:26

TEST COMMENT: IF: Strong Blow , BOB in 10 minutes, Built to 38 inches
ISI: Blow Back Built to 4 inches
FF: Strong Blow , BOB in 30 seconds, Built to 257 inches
FSI: Blow Back Built to 34 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2528.19	100.23	Initial Hydro-static
2	26.65	99.73	Open To Flow (1)
32	58.83	102.79	Shut-In(1)
92	1359.42	108.60	End Shut-In(1)
93	70.56	108.23	Open To Flow (2)
152	123.40	110.96	Shut-In(2)
273	1343.26	114.62	End Shut-In(2)
281	2552.54	113.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1139 GIP	0.00
124.00	GOMCW 8%G 2%O 20%M 70%W	1.74
119.00	GWOCM 20%G 10%W 20%O 50%M	1.67

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63359 **DST#: 6**

Test Start: 2018.02.09 @ 09:33:54

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:46:41
Time Test Ended: 18:39:56

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 5225.00 ft (KB) To 5268.00 ft (KB) (TVD)
Total Depth: 5268.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

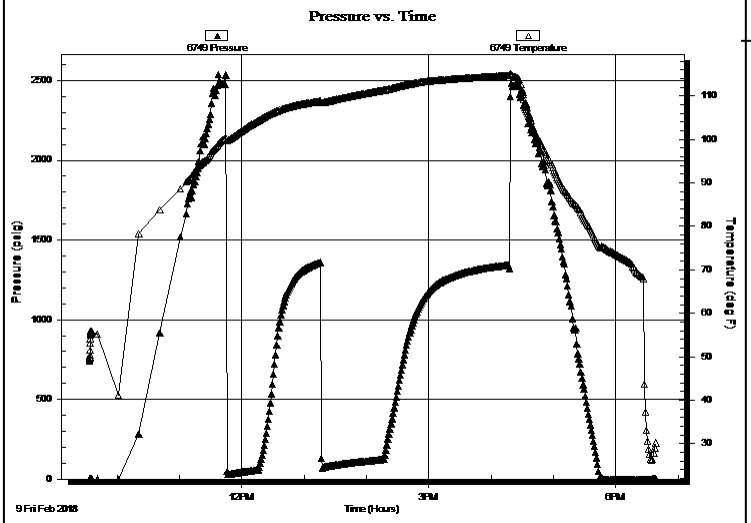
Reference Elevations: 2519.00 ft (KB)
2511.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6749 **Outside**

Press@RunDepth: psig @ 5226.00 ft (KB)
Start Date: 2018.02.09 End Date: 2018.02.09
Start Time: 09:33:14 End Time: 18:39:15

Capacity: psig
Last Calib.: 2018.02.09
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 10 minutes, Built to 38 inches
ISI: Blow Back Built to 4 inches
FF: Strong Blow , BOB in 30 seconds, Built to 257 inches
FSI: Blow Back Built to 34 inches



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1139 GIP	0.00
124.00	GOMCW 8%G 2%O 20%M 70%W	1.74
119.00	GWOCM 20%G 10%W 20%O 50%M	1.67

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

200 W Douglas Ave #725
Wichita, KS 67202

ATTN: Tom Dudgeon

34-28S-23W Ford

Keough 10-34

Job Ticket: 63359 **DST#: 6**

Test Start: 2018.02.09 @ 09:33:54

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:	63000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	10800.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1139 GIP	0.000
124.00	GOMCW 8%G 2%O 20%M 70%W	1.739
119.00	GWOCM 20%G 10%W 20%O 50%M	1.669

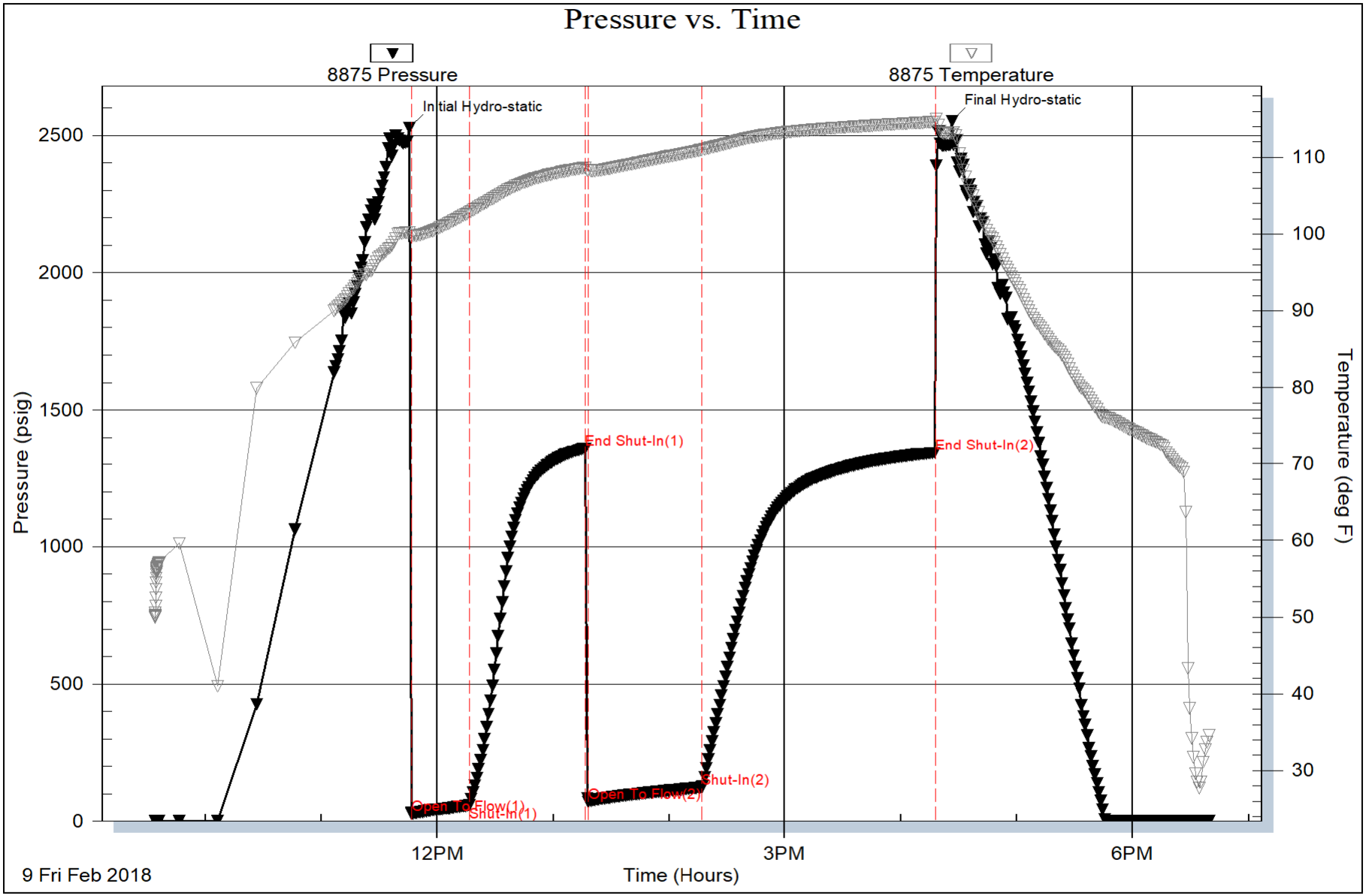
Total Length: 243.00 ft Total Volume: 3.408 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

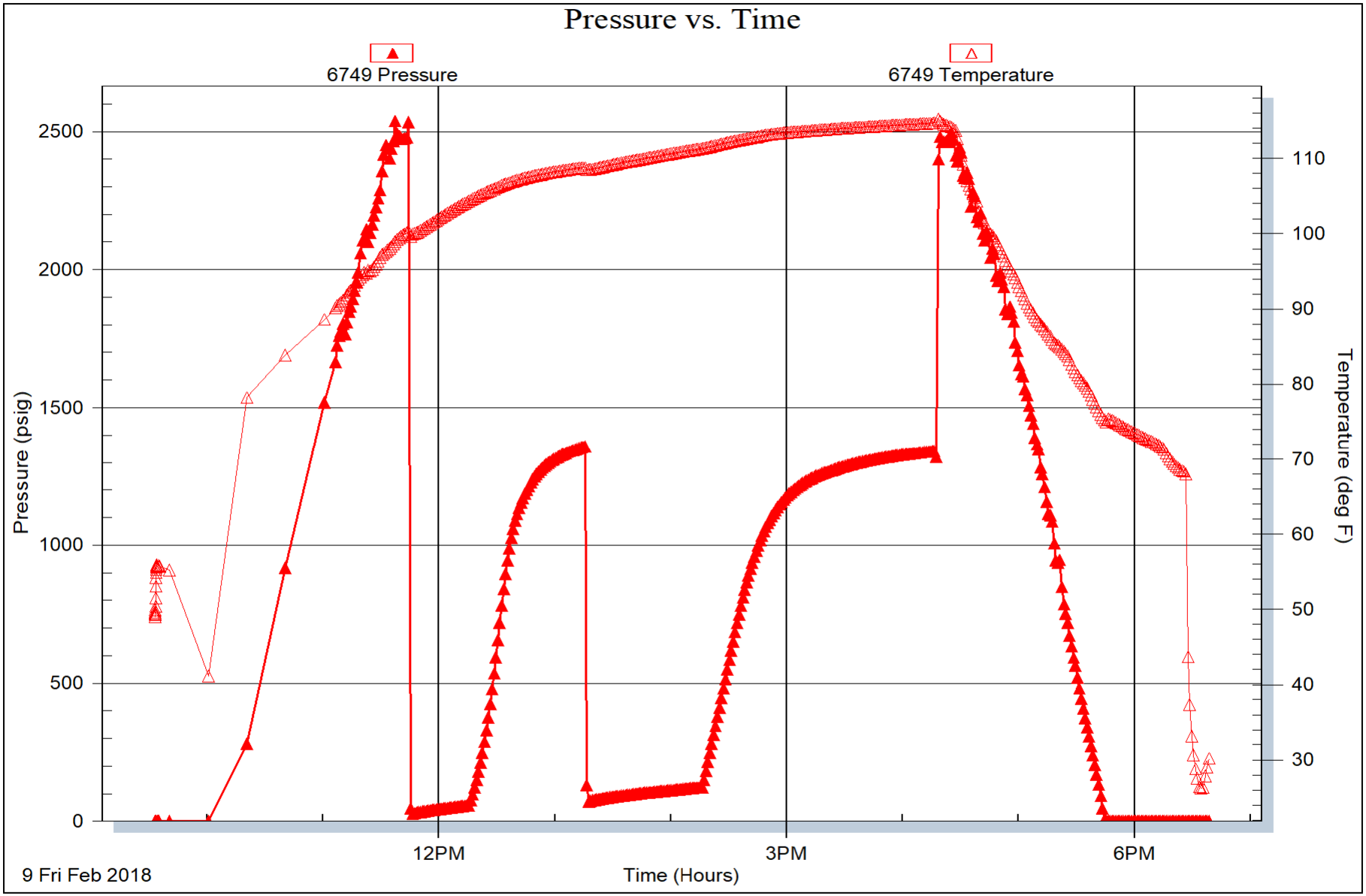
Recovery Comments: RW was .25 @ 35 degrees

Serial #: 8875 **Inside** Vincent Oil Corporation Keough 10-34 DST Test Number: 6



Trilobite Testing, Inc Ref. No: 63359 Printed: 2018.02.09 @ 18:56:07

Serial #: 6749 **Outside** Vincent Oil Corporation Keough 10-34 DST Test Number: 6



Trilobite Testing, Inc Ref. No: 63359 Printed: 2018.02.09 @ 18:56:08

Scale 1:240 Imperial

Well Name:	Keough 10-34		
Surface Location:	1758' FSL 592' FEL 34-28s-23w		
Bottom Location:			
API:	15-057-20991-0000		
License Number:	5004		
Spud Date:	1/27/2018	Time:	7:00 PM
Region:	Ford, County		
Drilling Completed:	2/10/2018	Time:	3:35 AM
Surface Coordinates:	1758' FSL & 592' FEL		
Bottom Hole Coordinates:			
Ground Elevation:	2511.00ft		
K.B. Elevation:	2519.00ft		
Logged Interval:	4250.00ft	To:	5350.00ft
Total Depth:	5350.00ft		
Formation:	Mississippian		
Drilling Fluid Type:	Chemical Mud		

OPERATOR

Company:	Vincent Oil Corporation		
Address:	200 W Douglas Ave. Ste 725 Wichita, KS 67202		
Contact Geologist:	Dick Jordan		
Contact Phone Nbr:	316.262.3573		
Well Name:	Keough 10-34		
Location:	1758' FSL 592' FEL 34-28s-23w	API:	15-057-20991-0000
Pool:	Developement	Field:	Mulberry Creek
State:	KS	Country:	US of A

CONTRACTOR

Contractor:	Duke Drilling Co., Inc.		
Rig #:	2		
Rig Type:	Mud Rotary		
Spud Date:	1/27/2018	Time:	7:00 PM
TD Date:	2/10/2018	Time:	3:35 AM
Rig Release:	2/11/2018	Time:	7:00 AM

LOGGED BY

Company:	Vincent Oil Corporation		
Address:			
Phone Nbr:	316.262.3573		
Logged By:	Geologist	Name:	Tom Dudgeon

ELEVATIONS

K.B. Elevation:	2519.00ft	Ground Elevation:	2511.00ft
K.B. to Ground:	8.00ft		

TOTAL DEPTH

Measurement Type:	Measurement Depth:	TVD:
RTD	5350.00	5352.00
LTD	5352.00	5352.00

SURFACE CO-ORDINATES

Well Type:	Vertical		
Longitude:	-99.8152743	Latitude:	37.2619708
N/S Co-ord:	1758' FSL		
E/W Co-ord:	592' FEL		

OPEN HOLE LOGS

Logging Company:	ELI		
Logging Engineer:	Jeff Luebbers		
Truck #:	922339		
Logging Date:	2/10/2018	Time Spent:	5.5
# Logs Run:	4	# Logs Run Successful:	4

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
Dual Induction	0.00ft	5352.00ft	2.50		1
DEN/NEU/PE	4200.00ft	5352.00ft	2.50		1
Micro	4200.00ft	5352.00ft	3.00		2
Sonic	0.00ft	5352.00ft	3.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
2/10/2018	0.00ft	5352.00ft	Open Hole Logs Ran Ruccessfully

CASING SUMMARY

	Surface	Intermediate	Main
Bit Size			7.88 in
Hole Size	72.25 in		7.88 in

	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8.625 in	644 ft	23#	15	1/28/2018 1:00 PM
Int Casing					
Prod Casing	4.5 in	5345 ft	11.6#	129	

CASING SEQUENCE

Type	Hole Size	Casing Size	At
Surface	12.25 in	8.63	644.00 ft
Production	7.88 in	4.50	5345.00 ft

NOTES

Keough 10-34 Tops				**KB**	**2519**
			Struct. Position		
Top	**Depth**	**Datum**	**Kegh 8-34**	**Kegh 7-34**	
HBR	4334	-1815	7	-2	
BRN LM	4475	-1956	3	-8	
LANS	4487	-1968	6	-9	
STARK	4817	-2298	-1	-2	
HUSH	4857	-2338	-1	FLAT	
BKC	4930	-2411	7	-1	
MARM	4949	-2430	7	-4	
PAW	5027	-2508	7	-3	
LAB	5053	-2533	7	-3	

LAB	5052	-2533	7	-2
CHER	5071	-2552	7	FLAT
B/PENN	5168	-2649	9	-2
MISS	5195	-2676	15	-7

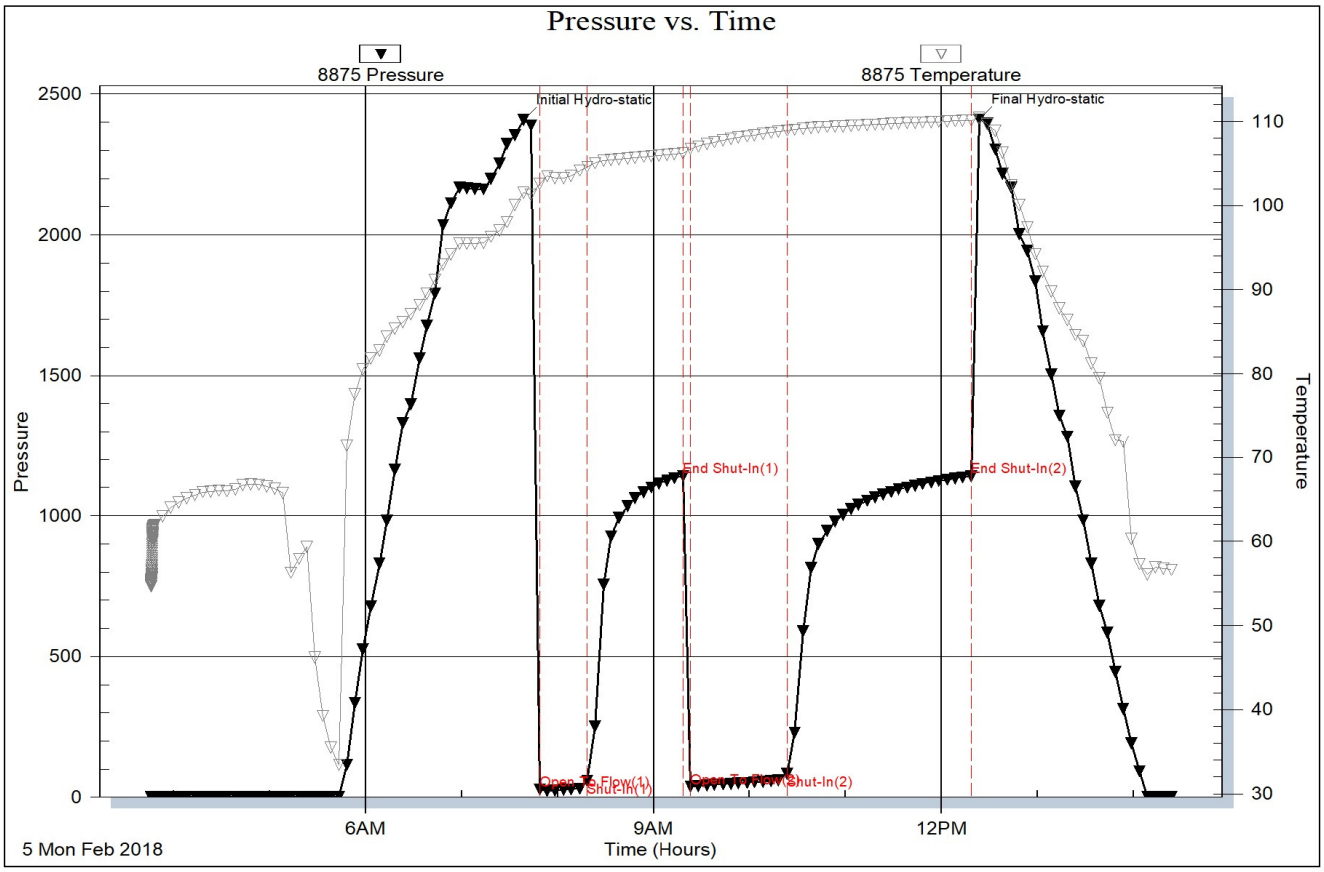
Surface Cement-125 Sx MDC, 150 Sx Common.
Production Casing Cement- 175 Sx Pro-C.
Plug Rat hole w/ 30 Sx, Plug Mouse hole w/ 20 Sx.

DST #4 was a misrun. Tool malfunctioned and failed to open properly

In Loving Memory of Avro Lancaster Dudgeon

DST #1

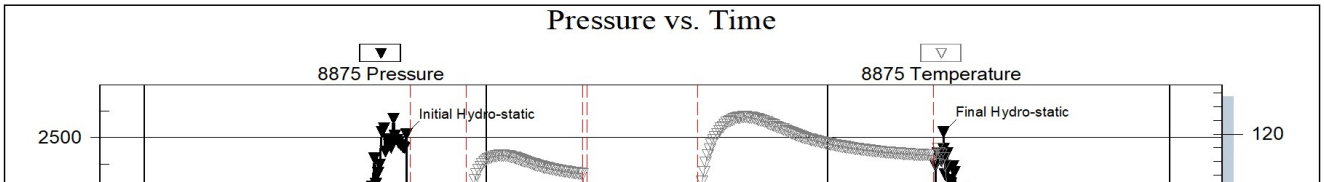
Serial #: 8875 **Inside** Vincent Oil Corporation Keough #10-34 DST Test Number: 1

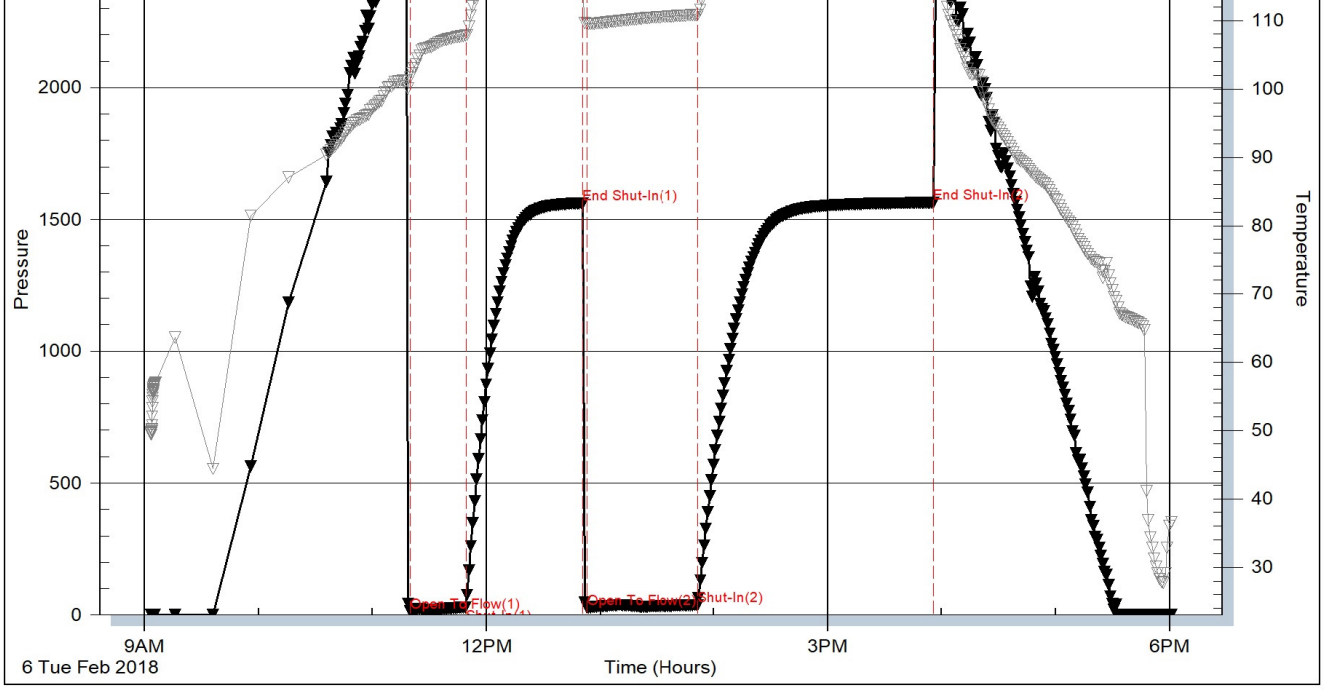


Trilobite Testing, Inc Ref. No: 63354 Printed: 2018.02.12 @ 11:00:33

DST #2

Serial #: 8875 **Inside** Vincent Oil Corporation Keough #10-34 DST Test Number: 2





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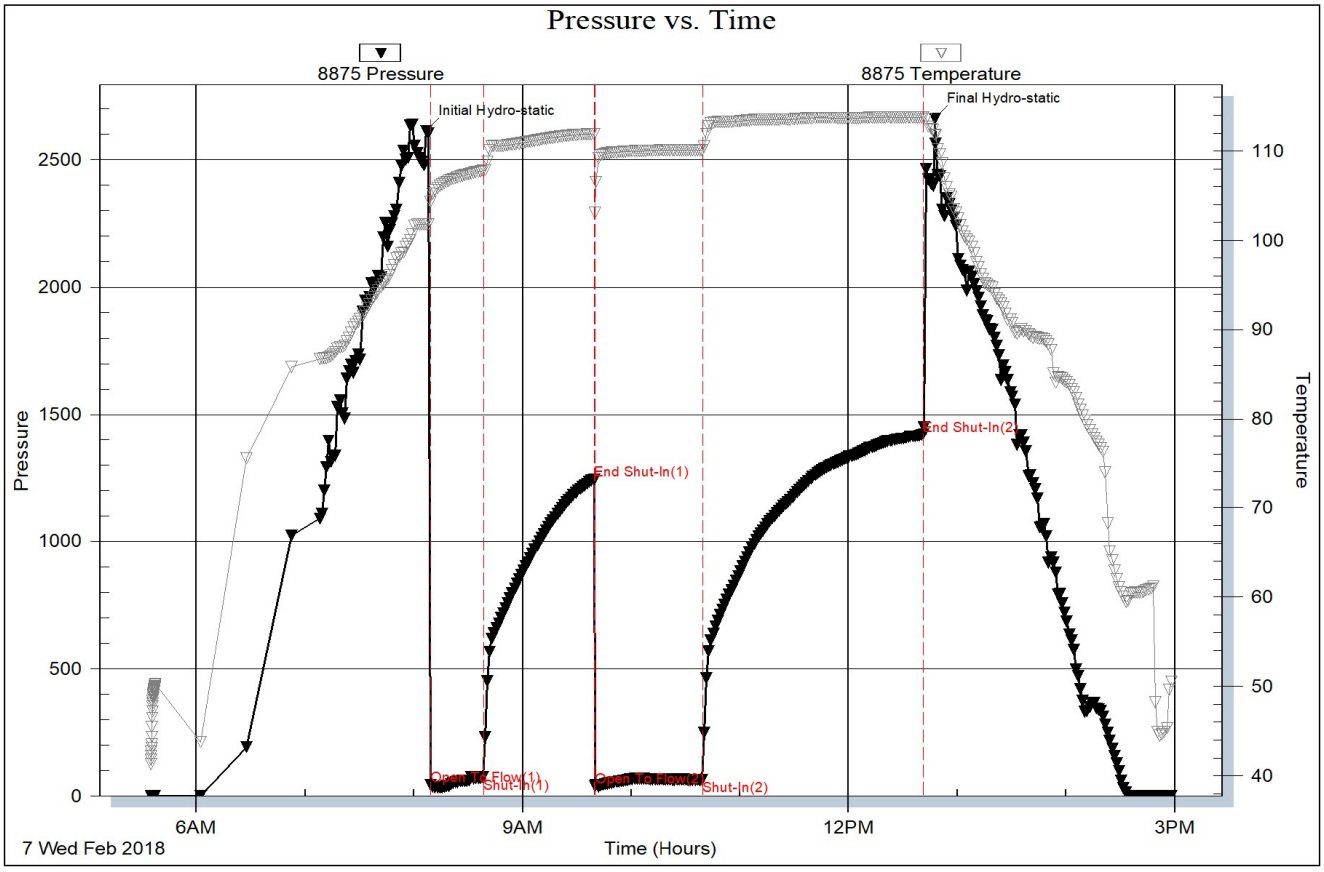
DST #3

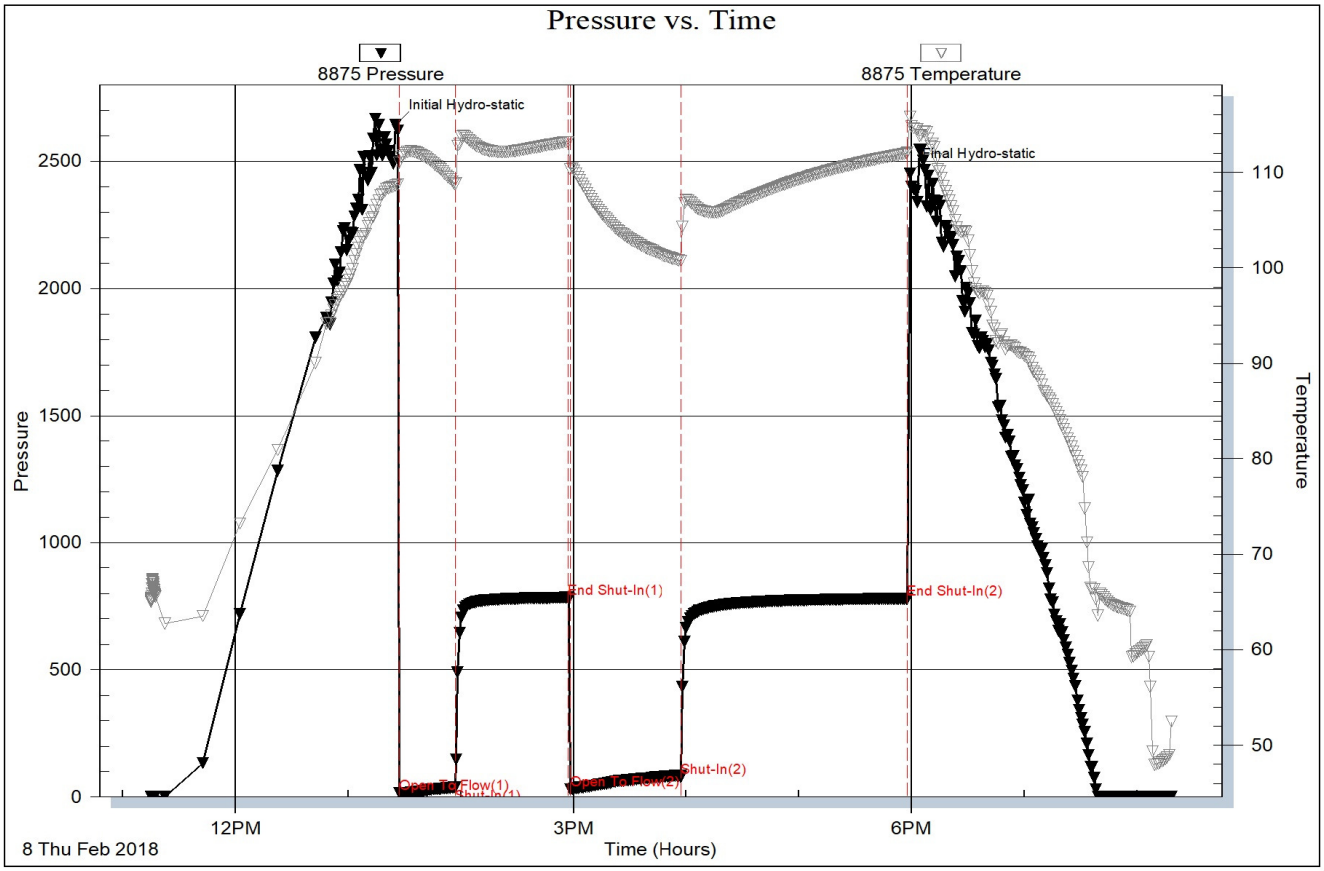
Serial #: 8875 **Inside** Vincent Oil Corporation Keough #10-34 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 63356 Printed: 2018.02.12 @ 10:31:01

DST#5

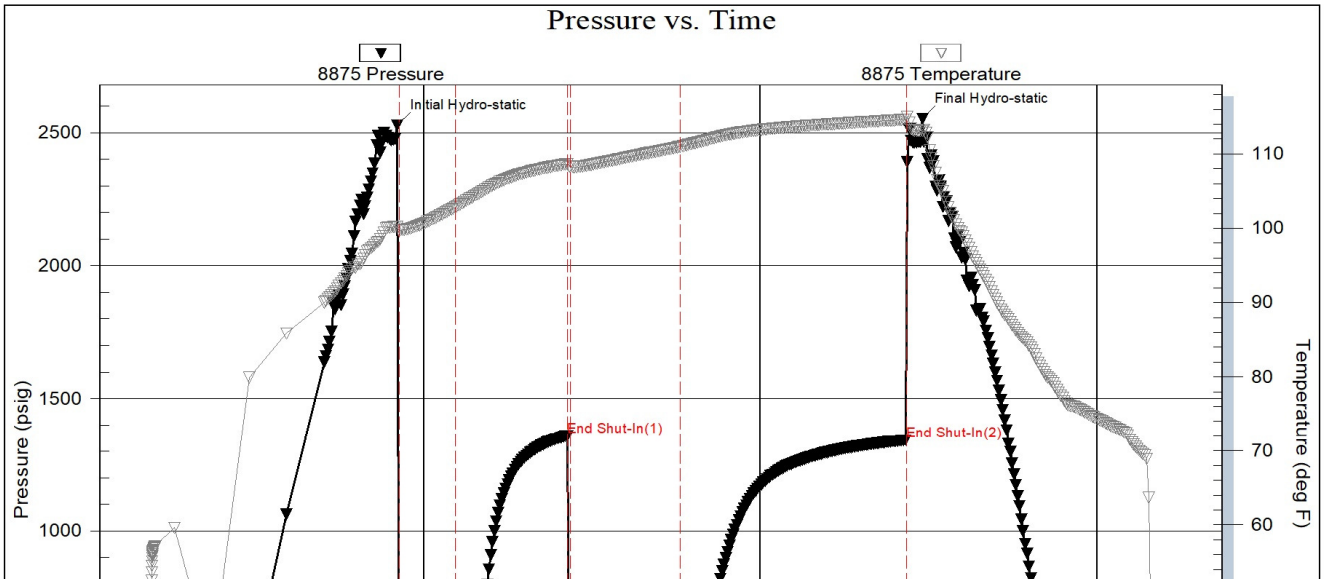
Serial #: 8875 **Inside** Vincent Oil Corporation Keough #10-34 DST Test Number: 5

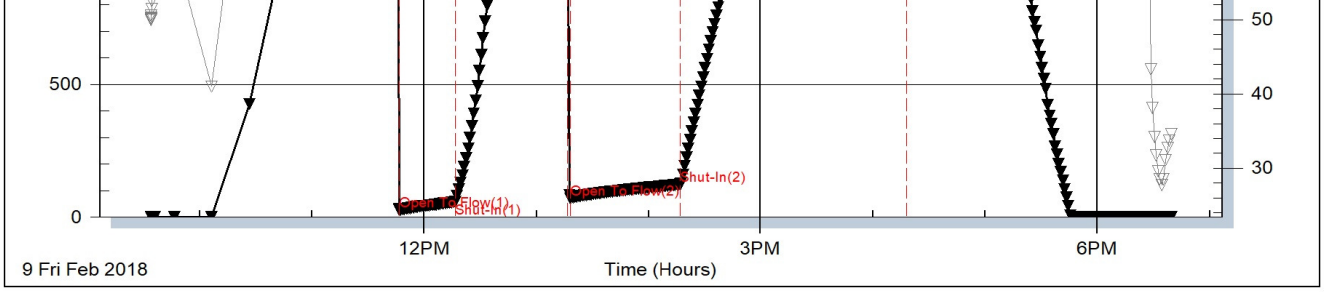


Trilobite Testing, Inc Ref. No: 63358 Printed: 2018.02.12 @ 10:36:12

DST #6

Serial #: 8875 **Inside** Vincent Oil Corporation Keough #10-34 DST Test Number: 6





Trilobite Testing, Inc Ref. No: 63359 Printed: 2018.02.12 @ 10:47:05

ROCK TYPES

Cht	Dolsec	Lmst fw7>	Shgy
Coal	Lmst fw<7	Ss	Shblck

ACCESSORIES

MINERAL
- Chert, dark
- Glauconite
- Sandy
- Silty
- Euhed rhombs of dol or
- Chert White

FOSSIL
- Bioclastic or Fragmental
- Brachiopod
- Bryozoa
- Coral
- Crinoids
- F Fossils < 20%
- Gastropod
- Oolite

STRINGER
- Shale

TEXTURE
- C Chalky
- FX FinexIn

MISC
- Veins

OTHER SYMBOLS

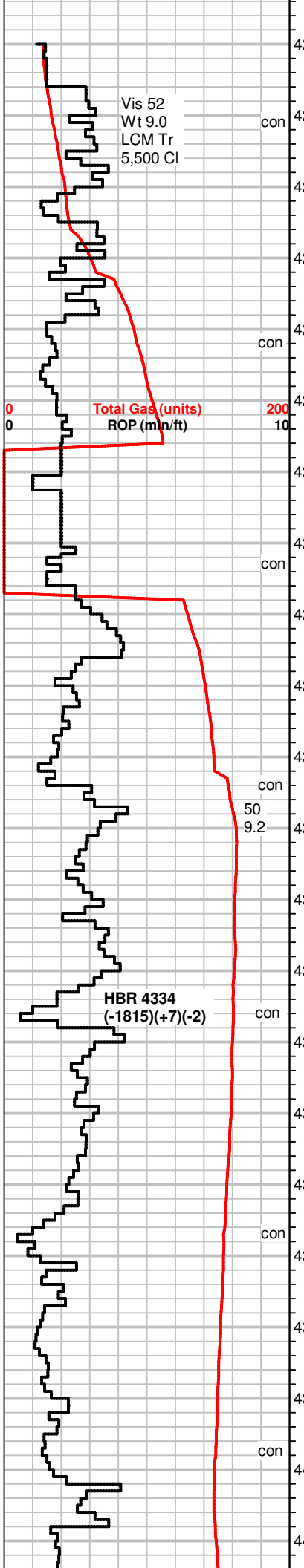
POROSITY TYPE
- Intercrystalline
- Interoolitic
- V Vuggy
- P Pinpoint
- Moldic
- O Organic
- F Fracture
- e Earthy
- Fenestral

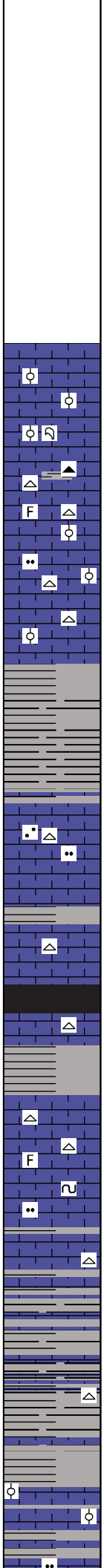
OIL SHOWS
- Even Stn
- Spotted Stn 50 - 75 %
- Spotted Stn 25 - 50 %
- Spotted Stn 1 - 25 %
- Questionable Stn
- D Dead Oil Stn
- Fluorescence

INTERVALS
- Core
- DST

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

Curve Track #01 Total Gas (units) ROP (min/ft) 1:240 Imperial	Depth | Intervals Cored Interval DST Interval	Porosity Types	Interpreted Lithology	Oil Shows	Geological Descriptions	Comment
0 Total Gas (units) 200 0 ROP (min/ft) 10 52 Vis 9.0 Wt Tr LCM 8.8 Filt	4160 4170 4180 4190				Geologist on Location @ 1:30 PM 2/2/2018 Bloodhound Gas Detector provided by Bluestem Labs **STRUCTURAL REFERENCE WELLS** **A- Keough 8-34 34-28s-23w** **B- Keough 7-34 34-28s-23w**	





WS-MS, crm to tan, m-xln txt, dark ringed ooids, fossilif, tite calcitic cement, firm to hard, dull fluor, NS, scatt SH, gray, brn, silty

MS-WS, crm to tan, f-xln txt, scatt oolitic pcs, A.A., hard to brittle, fossils scatt, NS, SH, dk. gray, brn

MS-WS, crm to tan, A.A., rare Chert, white, gray, NS
inc in SH, grays, rare blk pcs

Work on pump belts

Drill time adjusted to Geolograph @ 4278

MS-WS, crm to gray, gritty txt, oolitic to sub oolitic, some w/ f-xln txt, hard, scatt Chert, wht, Sh, gray, green, silty to sandy

SH, grays
MS, crm to gray, shaly, f-xln, firm to soft, chalky matrix, NS

Influx SH, blk, dk. gray, gas bubbles, carbonaceous flakes

SH, blk, dk. gray,
MS, crm to tan, chalky to earthy txt, soft to firm, some pcs sandy to shaly in part, scatt Chert, wht,

Scatt SH, grays

WS-MS, off wht to crm, f=xln, firm to hard, fossils, Chert, wht, fossils, NS

SH, blk, dk. gray, gassy,
MS, crm to gray, most massive, f-xln, hard, shaly to silty pcs scatt, chalky in part, Chert, gray, white, fossils

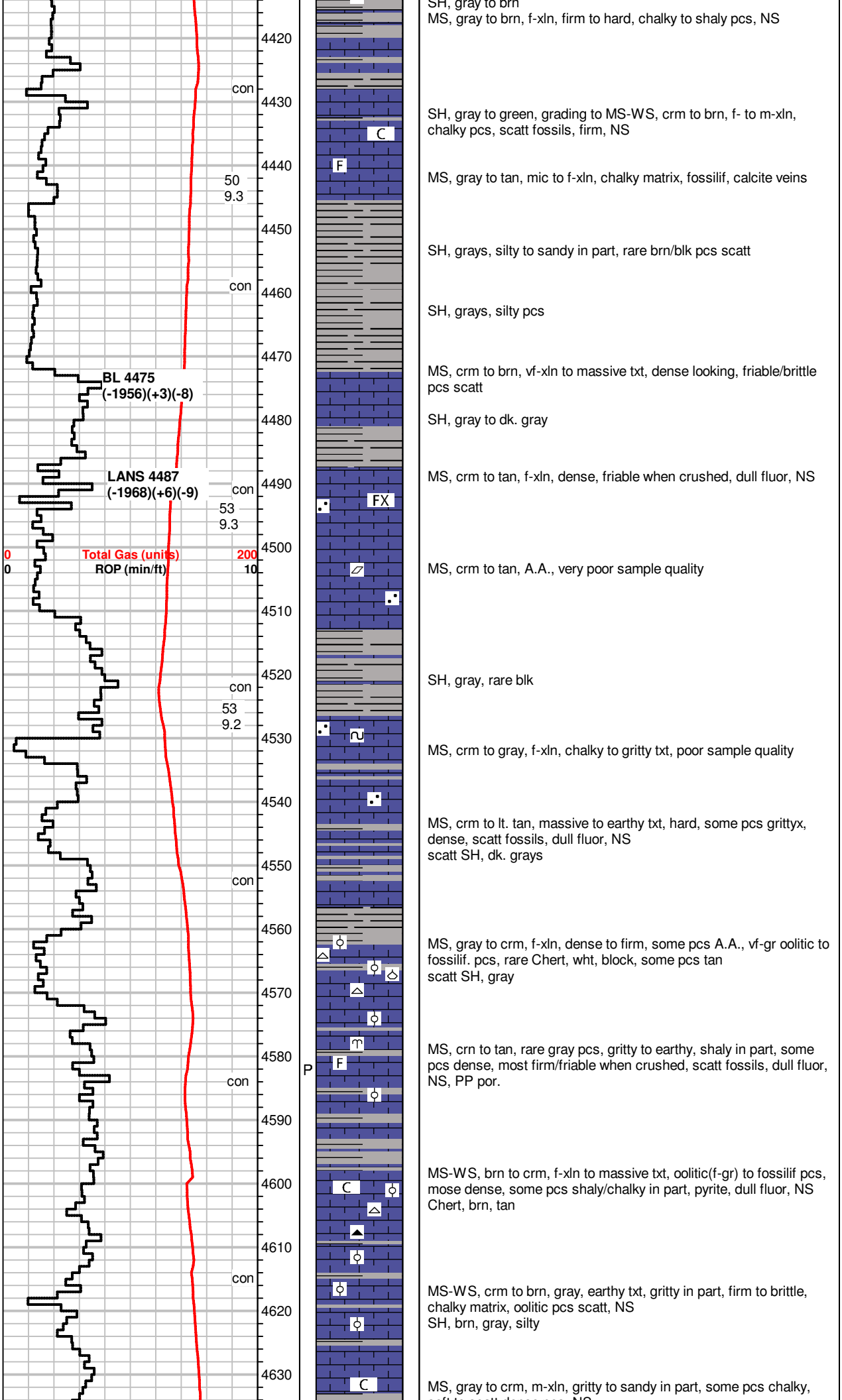
MS, lt. gray to off wht, f-xln, hard to firm, sub oolitic to fossilif pcs, Chert, milky wht, gray, fossils,
scatt SH, grays

MS, tan to lt. gray, mic-xln, dense, fossils, glauc, some pcs chalky SH, green, gray, silty

MS, crm to tan, f-xln to chalky, firm, scatt fossils, Chert, wht, lesser Sh, gray, rare blk.

Scatt SH, grays
MS, crm to tan, f-xln, hard, dense, scatt sub oolitic to fossilif., dull fluor, NS, rare Chert, wht

SH, gray, pyrite
MS, crm to brn, mottled, chalky, scatt fossils, NS



SH, gray to brn
MS, gray to brn, f-xln, firm to hard, chalky to shaly pcs, NS

SH, gray to green, grading to MS-WS, crm to brn, f- to m-xln, chalky pcs, scatt fossils, firm, NS

MS, gray to tan, mic to f-xln, chalky matrix, fossilif, calcite veins

SH, grays, silty to sandy in part, rare brn/blk pcs scatt

SH, grays, silty pcs

MS, crm to brn, vf-xln to massive txt, dense looking, friable/brittle pcs scatt

SH, gray to dk. gray

MS, crm to tan, f-xln, dense, friable when crushed, dull fluor, NS

MS, crm to tan, A.A., very poor sample quality

SH, gray, rare blk

MS, crm to gray, f-xln, chalky to gritty txt, poor sample quality

MS, crm to lt. tan, massive to earthy txt, hard, some pcs grittyx, dense, scatt fossils, dull fluor, NS
scatt SH, dk. grays

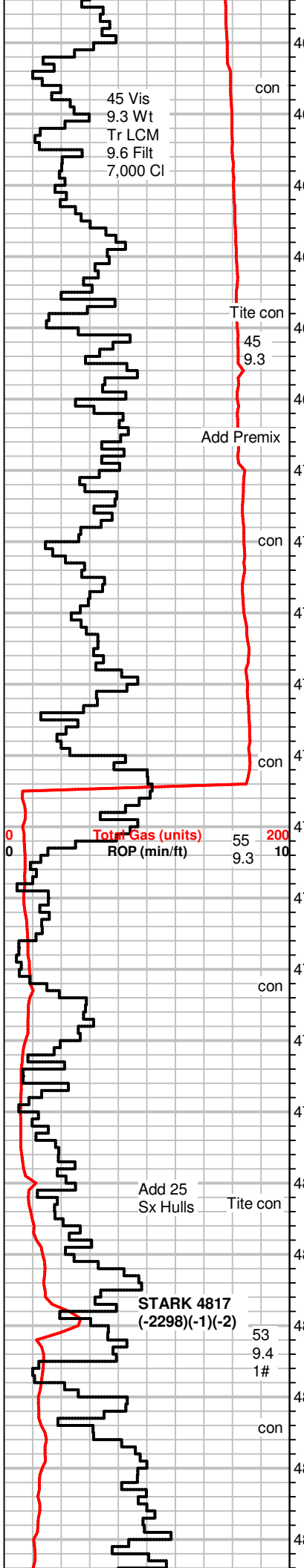
MS, gray to crm, f-xln, dense to firm, some pcs A.A., vf-gr oolitic to fossilif. pcs, rare Chert, wht, block, some pcs tan
scatt SH, gray

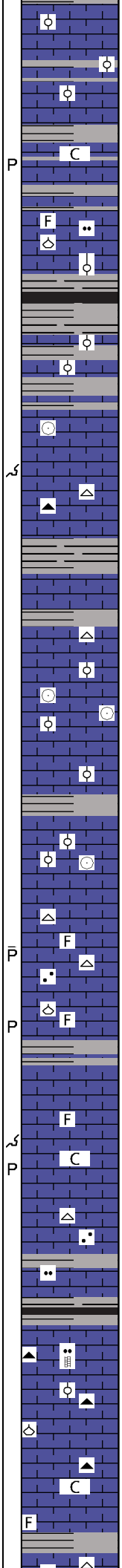
MS, crn to tan, rare gray pcs, gritty to earthy, shaly in part, some pcs dense, most firm/friable when crushed, scatt fossils, dull fluor, NS, PP por.

MS-WS, brn to crm, f-xln to massive txt, oolitic(f-gr) to fossilif pcs, mose dense, some pcs shaly/chalky in part, pyrite, dull fluor, NS
Chert, brn, tan

MS-WS, crm to brn, gray, earthy txt, gritty in part, firm to brittle, chalky matrix, oolitic pcs scatt, NS
SH, brn, gray, silty

MS, gray to crm, m-xln, gritty to sandy in part, some pcs chalky,





soft to scatt dense pcs, NS

Influx SH, gray, mottled gray, brn, green, some MS, brn, mottled w/ f to m-gr dark ooids in chalky matrix

SH, grays, sandy
MS, crm, f-xln to dense/massive txt, hard to soft/chalky pcs, PP por.

MS-WS, crm to tan, f-xln, scatt chalky pcs, fossils scatt, gritty pcs, NS

SH, dk. gray to green
MS-WS, brn to crm, earthy to f-xln txt, chalky pcs in part, some pcs micro-oolitic/gritty txt., NS

SH, gray, red, Ms, crm to gray, f-xln, scatt fossils, dull fluor, NS

SH, grays, pyrite, some pcs hard, limey, mottled
MS, crm to tan, massive, dense, hard, scatt fossils, fusilinids, Moldic por.,NS, Chert, wht, brn, blocky

MS, crm to off wht, chalky, some pcs f-gr oolitic in friable chalky matrix, NS, Scatt SH, grays

MS, crm to gray, mic-xln to f-xln, dense to firm/friable pcs, some pcs chalky, A.A., gritty in pt., fossils, Chert, wht, fossils, rare SH, gray

WS-MS, crm to tan, brn, m-xln, friable to dense, fossilif, oolites, crinoids, some in chalky matrix, mosttled, NS, rare SH, gray, silty

MS, crm to tan, chalky to earthy, gritty, hard, scatt fossils, some brn, gray, dense, NS

WS-MS, crm to off wht, chalky, some w/ dense calcitic matrix, fossilf/oolitic, crinoids, sandy pcs, dull fluor, NS

RE-ZERO BLOODHOUND
Background gas reading approx. 11-12 units

MS-WS, crm to brn, f-xln, dense to chalky, m-gr oolitic, dull fluor, NS
SH, gray, blk

MS-WS, crm to off wht, f-xln, dense, hard, fossils, some brn, PP por., Chert, wht, fossils
SH, gray, sandy, gritty

MS, crm to tan, f-xln, milky looking, chalky pcs, fossils, dense, hard, dull fluor, NS, PP por.

MS, crm to tan, f-xln, gritty txt, fossilif., some sub oolitic pcs, f-gr ooids, dense, NS

MS-WS, crm to tan, f-xln, chalky, fossilif(crinoids,ooids,brachs.) frgmts, firm to hard, PP to moldic por., scatt SH, gray, green, rare blk

MS-WS, A.A., Chert, brn, wht
SH, dk. gray to gray, green, silty to sandy pcs

SH, rare blk, gray, sandy, vf-pyrite striations in silty pcs

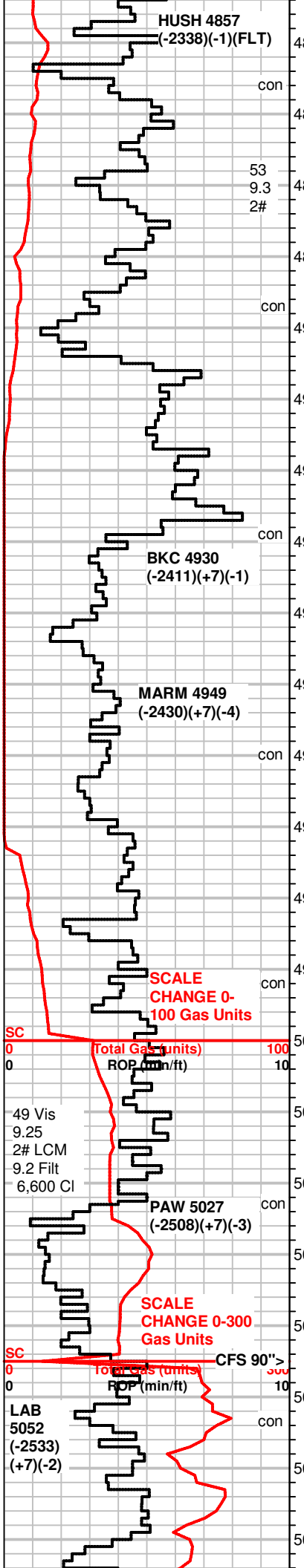
+27 UGK, shale gas

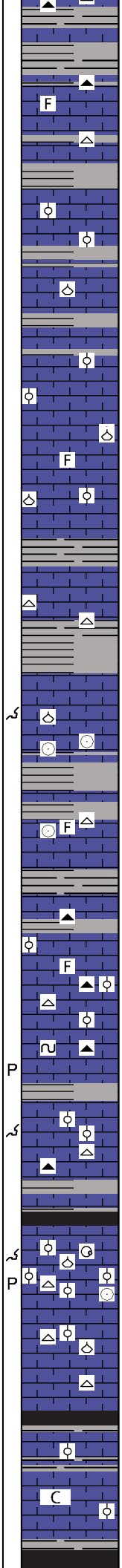
MS-WS, brn to crm, f-xln/massive txt, chalky to gritty pcs scatt, fossils, calcite veins, Chert, brn, blk, fossils

MS,crm to brn, earthy/chalky txt, dense, hard, sub oolitic
Chert, brn, fossils, SH blk, gray, blueish gray gassy

MS-WS, crm to tan, scatt gray, f-xln, sli. chalky, some dense, fossils, friable, Chert, wht
SH, grays, blk, gassy

MS, crm to tan, f-xln, earthy to massive txt, dense, sub oolitic, fossils scatt, Chert, brn to milky gray, fossils,





Sh, blk, dk. gray, grays,

MS-WS(scatt) crm to off wht, gray, mic-xln to massive txt, some pcs fossilif., brittle to dense, Chert, wht, tan,

SH, blk, gray, MS, crm to lt. tan, f-xln, dense, sub oolitic, dull fluor, NS, Chert, blueish wht

MS-WS, crm to brn, m-xln to chalky, some pcs hard to firm, m-gr dark ooids in chalky matrix,
scatt SH, grays, blk(rare)

MS, lt. gray to brn, A.A. to f-xln, chalky, dense looking, friable, dull fluor, NS
SH, grays, sandy

MS-WS, off wht to gray, brn, shaly in pt., massive txt, friable to dense, sub oolitic to fossilif., rare SH, grays

MS, A.A, most brn, dense, fossils, NS
scatt SH, gray, blk, silty in pt.

MS. lt gray to crm, f-xln to m-xln, firm to hard, fossililf pcs scatt., most dense, NS
some SH, blk, gray

MS, crm to lt. gray, tan, f-xln, earthy in pt, sli. chalky/shaly, some dense, scatt fossils/oolitic pcs, NS

MS, gray to brn, f-xln, shaly, dense, Chert, wht, NS
SH, grays, blk

MS, A.A., SH, gray to brn, silty in part, crinoids

MS, crm to brn, gray, vf-xln/massive txt, dense, hard, fossils, large crinoid segments, NS, scatt SH, blk, gray,

SH, brn, blk
MS, crm to brn, sli. mottled, dense, hard, some fossils, Chert, wht, fossils, NS,
SH, dk. gray, sandy, silty

MS, crm to lt. gray, f-xln, dense, fossils(crinoids, rare suboolitic pcs), rare Chert, blk, NS

MS-WS, crm to tan, some gray, earthy to massive txt, hard, lesser fossils, rare m-gr oolitic pcs in chalky matrix, NS, Chert, blk, fossils

MS-WS, crm to tan, f-xln, some w/dense calcite matrix, oolitic to fossilif., most pcs hard, rare chalky pcs, glauc specs, dull min. fluor, NS, Chert, jet blk, SH, blk to gray

SH, blk to dk. gray, some sandy brn pcs
MS-WS, crm to tan, A.A., m-gr oolitic/sub oolitic pcs, tite, some gray, m-xln, hard, barren pcs, mineral fluor, NS

MS, tan to crm, massive txt, scatt fossils, fractured, some pcs sub oolitic in part, dull fluor, NS, Chert, wht, brn, blk, SH, rare blk, gray

WS-MS, crm to brn, f-xln to massive, A.A., m-gro oolitic, some pcs chalky, NS, rare SH, blk

Sh, blk, gassy, dk. gray, green
WS-MS, crm to brn, f-xln, gritty to m-gr. oolitic/fossilif pcs in chalky mtrx, some pcs tite, dull fluor, **1 pc w/ inst. cut, v. spty bright fluor(few pcs)**, **rare lt stn dry**, no odor, moldic por.

MS-WS, brn to tan, crm, f-xln, gritty to chalky, some w/ fossils, earthy sub oolitic txt, dull fluor, NS, Chert, wht, fossils
Inc, in chalky pcs w/ depth

SH, blk, gray, green
MS, crm to tan, chalky to earthy, some dense, NS

SH, gray, blk
MS, tan to gray, earthy to f-xln, hard to firm, some dense pcs, scatt fossils, shaly in part,

SH, blk, silty to striated pcs

+10 UGK, shale gas

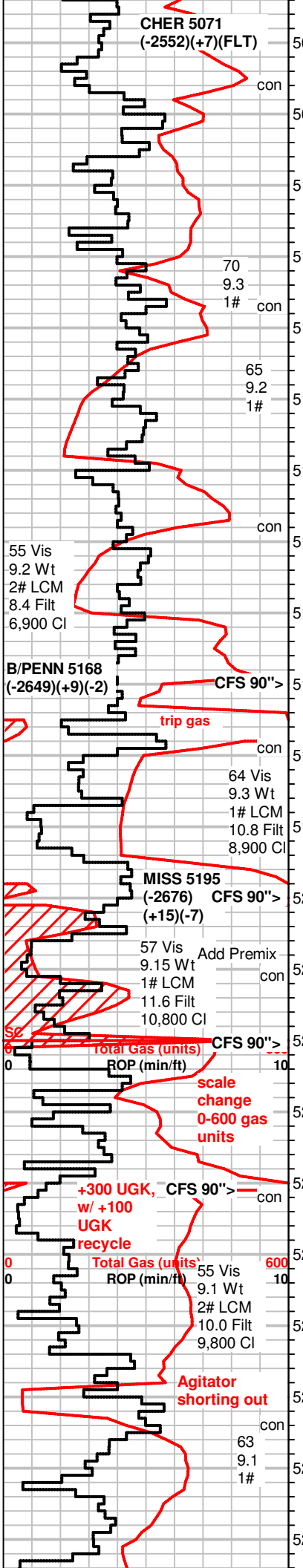
DST #1 5016-5045
Pawnee 30-60-60-120
SB, Blt to 11 inches
NBB
SB, Blt to 19.75 inches
NBB
3540' GIP
Rec:
40' SOCM(4o,96m)
62' SOMCW(2o,32m,66w)
IH 2408#
IF 29-58#
ISIP 1141#
FF 36-83#
FSIP 1140#
FH 2410$
Temp 110*F
API Rw .16 @ 60*F
Cl 56,000ppm

Bloodhoud Zero fell to a below zero, RE-ZEROED to ~10 units @ 4973

Drill Time corrected 3' down to geolograph @ 5023' conn

+15 UGK from Pawnee Lm., +7 unit recycle

Pipe Strap
.06' Short to Board



MS, crm to tan, f-xln ,hard to firm, gritty to chalky txt, fossils, NS, PP por., Chert, wht

SH, blk, dk. grays
MS-WS, crm to gray, f-xln, frim, suboolitic to scatt fossilif. pcs (brachs, crinoids, ooids, frgmts), NS

MS, gray to crm, chalky, soft to hard, m-xln dense, fossilif. pcs scatt, dull fluor, NS, Chert, blk, wht,
SH, blk, dk. gray

Inc. in SH, blk MS-WS, crm to gray, f-xln, dense to chalky, firm, gritty/sandy txt, rare PS, m-gr oolitic in firm/friable calckte matrix, dull fluor, NS

MS-WS, crm to tan, f-xln, chalky in part, fossilif, brittle/friable, moldic por., NS, scatt SH, grays,

SH, gray, blk, gassy
MS, crm to rare gray, earthy to f-xln, hard/dense, to scatt chalky, some fossils, scatt Chert, wht, fossils, NS

MS-WS, crm, A.A. to brn/gray, gritty to waxy looking, firm, rare PS, friable, mottled pcs scatt, **1 pc w/ v/ spty bright fluor, resid ring cut**, **v. spty stn dry,** some SH, gray

MS, gray to crm, f-xln, dense, fossilf., dull fluor
SH, gray, blk

SH, blk, brn, MS-WS, crm to gray, brn, hard, dense, tite calcite mtrx, fossils(crinoids,brachs,ooids,frgmts), **rare pcs w/ v. spty bright fluor, 1 pc live oil when broken, resid ring cut**

MS-WS, crm to tan, brn, chalky to f-xln, firm/brittle, fossils, **rare pcs w/ spty stn, int-xln por., inst cut, spty stn dry,** organic to PP por.

MS-WS, crm to tan, chalky to f-xln, firm/brittle**, bright fluor**(15% tray), **some pcs w/ good stn, slow milky to inst. streaming cut, no odoe, rare live oil when broken**

SH, blk, gray, sea green, mustard yellow
MS-WS, crm to brn, f-xln, dense, some pcs sandy/silty scatt fossils, carrying much from above.

SS rare, gray, f-gr, well srtd, sub ang, hard, NS

Chert, wht, tan, yellow, scatt fossils, **rare stn, bright fluor, inst. cut, faint odo**r, SS clusters, wht to gray, green, f-gr, well srtd, sub ang, friable to firm pcs, **v/ spty bright fluor, 1 pc w/ inst cut, resid ring cut**

WS-PS, crm to off wht, sub oolitic to oolitic(m-gr), hard to firm, dull fluor, NS

Dolo, lt. gray to tan, vf-xln/gritty txt to m-xln/sugary sucrosic txt. some tan pcs w/ fossils, firm to friable, **spty to even stn, live oil in tray, scatt bright fluor, good odor, inst to slow milky cut,** vuggy to int-xln por.

WS-MS, crm to brn, off wht, f-xln to massive txt, oolitic in pt. dense, tite matrix, **light even to spty stn dry**
Dolo, crm, f-xln, tite, gritty txt, firm to hard, **scatt bright fluor**

Dolo, crm to tan, f-xln, gritty A.A., friable, **bright fluor in 25% of tray, spty stn, bleeding gas bubbles, live oil in tray, faint odor, slow milky cut, fair odor, int-xln por.**

Dolo, crm, f-xln, dec. represen. in tray, becoming hard, gritty, **scatt bright fluor, 1 pc w/ inst cut, faint odor**, **scatt stn**

Dolo, brn to crm, vf-xln/micro oolitic, fossilif., gritty to sugary txt, **good odor, bright fluor, even to spty stn, bleeding oil/gas, inst. cut,** int-xln/vuggy por.

Dolo, gray to crm, f-xln, some fossilif/oolitic, mineral fluor, **rare bright fluor, scatt stn, rare cut, faint odor,** PP por.
WS-PS, off wht to crm, f-xln, oolitic to dense/massive, chalky to dolomitic in part, dull fluor, NS

MS-PS, crm to brn, massive to m-gr oolitic pcs, dense, hard, some fossils, glauc, chalky in part, dull fluor, NS

WS-PS, off wht to crm, f-xln, dolomitic in part, some pcs chalky, m-gr to f-gr oolitic, fossils, NS, rare Chert, wht

Dolo, brn, f-xln, sucrosic/sugary txt in part, gritty pcs, hard to firm, dull min. fluor, NS, int-xln. por.

WS-PS, crm to off wht, dolomitic in part, chalky, oolitic (m-gr brn ooids), some pcs in soft chalky matrix, dull fluor, NS, rare Chert, wht

DST #2 5125-5170
B/Penn 30-60-60-120
SB Blt to 305 inches
NBB
SB BOB/immed, blt to 315 inches, GTS/23min, Ga on 1/4" choke
45.054 MCF/30 min
on 1/8" choke
11.004 MCF/40min
11.752 MCF/50min
12.501 MCF/60min
NBB
5101' GIP
Rec: 30 GCM (5g,95m)
IH 2512#
IF 14-30#
ISIP 1562#
FF 27-38#
FSIP 1565#
FH 2520#
Temp 117*F

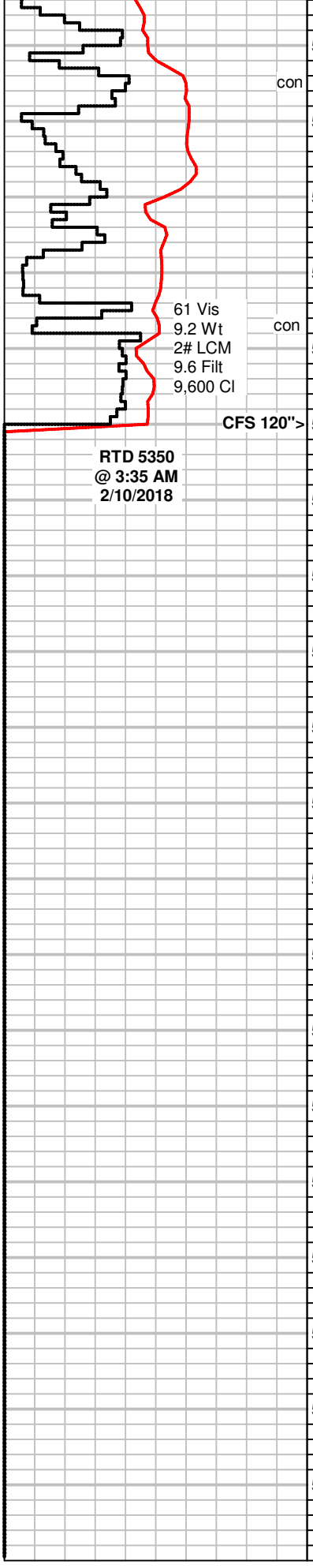
Mud system down, working on trash pump-giving false reading/no readings of gas-Kicks are trip gas recycling in system

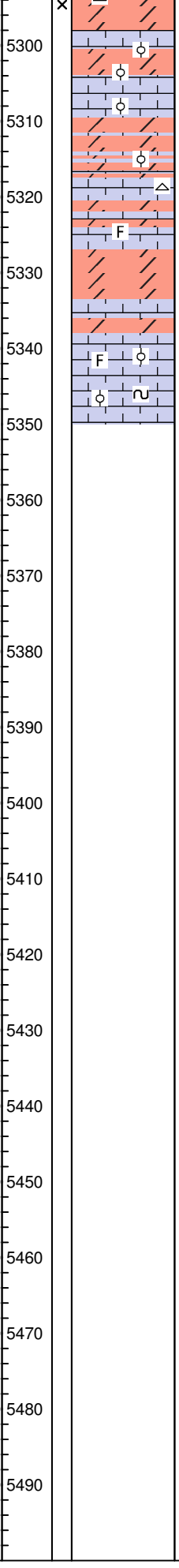
+60 UGK

+90 UGK

DST #3 5165-5200
Morrow 30-60-60-120
SB BOB/1 min, Blt to 315 inches
BB, Blt to 22 inches
SB BOB/immed
GTS/2 min
Ga 1/8 in choke
11.752 MCF/10 min
16.244 MCF/20 min
1/4 inch choke
67.263 MCF/30 min
64.091 MCF/40 min
62.504 MCF/50 min
62.504 MCF/60 min
BB, Blt to 122 inches
5097' GIP
Rec: 65' GCM (10g,90m)
IH 2614#
IF 45-75#
ISIP 1244#
FF 39-65#
FSIP 1422#
FH 2662#
Temp 112*F

DST #4 5198-5220





Dolo, brn to crm, f-xln, sucrosic to sugary txt, fossils, gritty in part, dull min. fluor, int-xln por.

PS, off wht to crm, m-gr oolitic, friable, chalky in part, NS

Dolo, brn to crm, gritty to m-gr oolitic, friable to firm, dull fluor, NS
PS crm to off wht, f-xln to chalky, oolitic(brn ringed ooids in chalky mtrx), friable, dull fluor NS, scatt Chert, wht

Dolo, brn, vf-xln, gritty txt, tite, dull fluor, NS, scatt int-xln por.
PS, off wht to brn, f-xln to chalky A.A., mostly oolitic, friable, NS

Dolo, crm to lt. gray, f-xln to vf-sucrosic txt, hard, dull fluor, NS

MS-WS, crm to tan, f-xln, some brn, massive, dense, some pcs oolitic, fossils, glauc, NS

MISRUN
Miss 30-60-15-30
WB 1/4 inch
NBB
NB, flushed tool, NS
NBB
Rec: 2' Mud
IH 2590#
IF 2326-1441#
ISIP 925#
FF 925-930
FSIP 2401#
FH 2532#
Temp 110*F
TOOL NEVER FULLY OPENED ON 1ST OPEN!!

DST #5 5201-5220
Miss 30-60-60-120
SB, blt to 316 inches
GTS during bleed off
SB BOB/immed, Ga 1/4 inch choke
46.640 MCF/10 min
59.331 MCF/20 min
70.436 MCF/30 min
83.128 MCF/40 min
91.060 MCF/50 min
97.405 MCF/60 min
Bled off, BB to 17 in.
5158' GIP
Rec: 35' OCM (2o,98m)
IH 2643#
IF 16-38#
ISIP 783#
FF 31-79#
FSIP 780#
FH 2451#
Temp 116*F

DST #6 5225-5268
Miss 30-60-60-120
SB BOB/10 min
4 inch BB
SB BOB/immed
35 inch BB
1139' GIP
Rec: 119' GWOCM (20g,20o,50m,10w)
124' GOMCW (8g,2o,20m,70w)
IH 2528#
IF 27-59#
ISIP 1359#
FF 71-123#
FSIP 1343#
FH 2552#
Temp 114*F
API Rw .25 @ 35*F
Cl 63,000ppm