

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1252904
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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

1252904

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

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

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

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

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

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Keough 3-34
Doc ID	1252904

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	Keough 3-34
Doc ID	1252904

Tops

Name	Top	Datum
Heebner Shale	4352	(-1813)
Brown Limestone	4491	(-1952)
Lansing	4504	(-1965)
Stark Shale	4834	(-2295)
Pawnee	5040	(-2501)
Cherokee Shale	5085	(-2546)
Base Penn Limestone	5186	(-2647)
Mississippian	5205	-2666
RTD	5360	(-2821)
LTD	5362	(-2823)

QUALITY WELL SERVICE, INC.

6294

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	01-24-15	Sec.	34	Twp.	28s	Range	23w	County	Ford	State	KS	On Location	7:30PM	Finish	9:30PM				
Lease	Keough	Well No.	3-34			Location						Kingsdown KS, 2m, 4m, 1m, & into							
Contractor	Duke #1				Owner				Vincent										
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	12 1/4		T.D.		655				Charge To										
Csg.	8 5/8		Depth		855				Street										
Tbg. Size			Depth						City										
Tool			Depth						State										
Cement Left in Csg.	20'		Shoe Joint		N/A				The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line			Displace		40 1/2 BBl's Fresh				Cement Amount Ordered										
EQUIPMENT								125sx class A + 2% gel + 3% cc + 1/4" Flowseal											
Pumptrk	8	No.	David B		Common				125										
Bulktrk	9	No.	David B		Poz. Mix				MDC 125										
Bulktrk	10	No.	David F		Gel.				11										
Pickup		No.			Calcium				10										
JOB SERVICES & REMARKS								Hulls											
Rat Hole					Salt														
Mouse Hole					Flowseal				6x 25										
Centralizers					Kol-Seal														
Baskets					Mud CLR 48														
D/V or Port Collar					CFL-117 or CD110 CAF 38														
Pipe on Btm, Break Circ., Pump Spacers								Sand											
Mix 125sx lite weight, Mix 125sx								Handling								271			
tail cement, Stop-Release Plug,								Mileage								50			
Start Disp. w/ Fresh H ² O, wash up								FLOAT EQUIPMENT											
on Plug, See Steady increase in PSI								Guide Shoe											
Slow Rate, Stop Pump at 40 1/2 BBl's,								Centralizer											
Shut in, Cement Did Circ.								Baskets											
								AFU Inserts											
								Float Shoe											
								Latch-Down								8 5/8 wooden Plug			
								LMV								50			
								Service supervisor											
								Pumptrk Charge								Surface			
								Mileage								50 x 2			
																Tax			
																Discount			
																Total Charge			
X Signature								Mip Haddy											

QUALITY WELL SERVICE, INC.

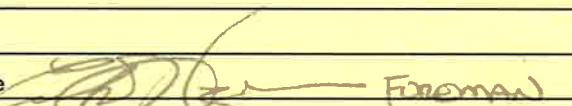
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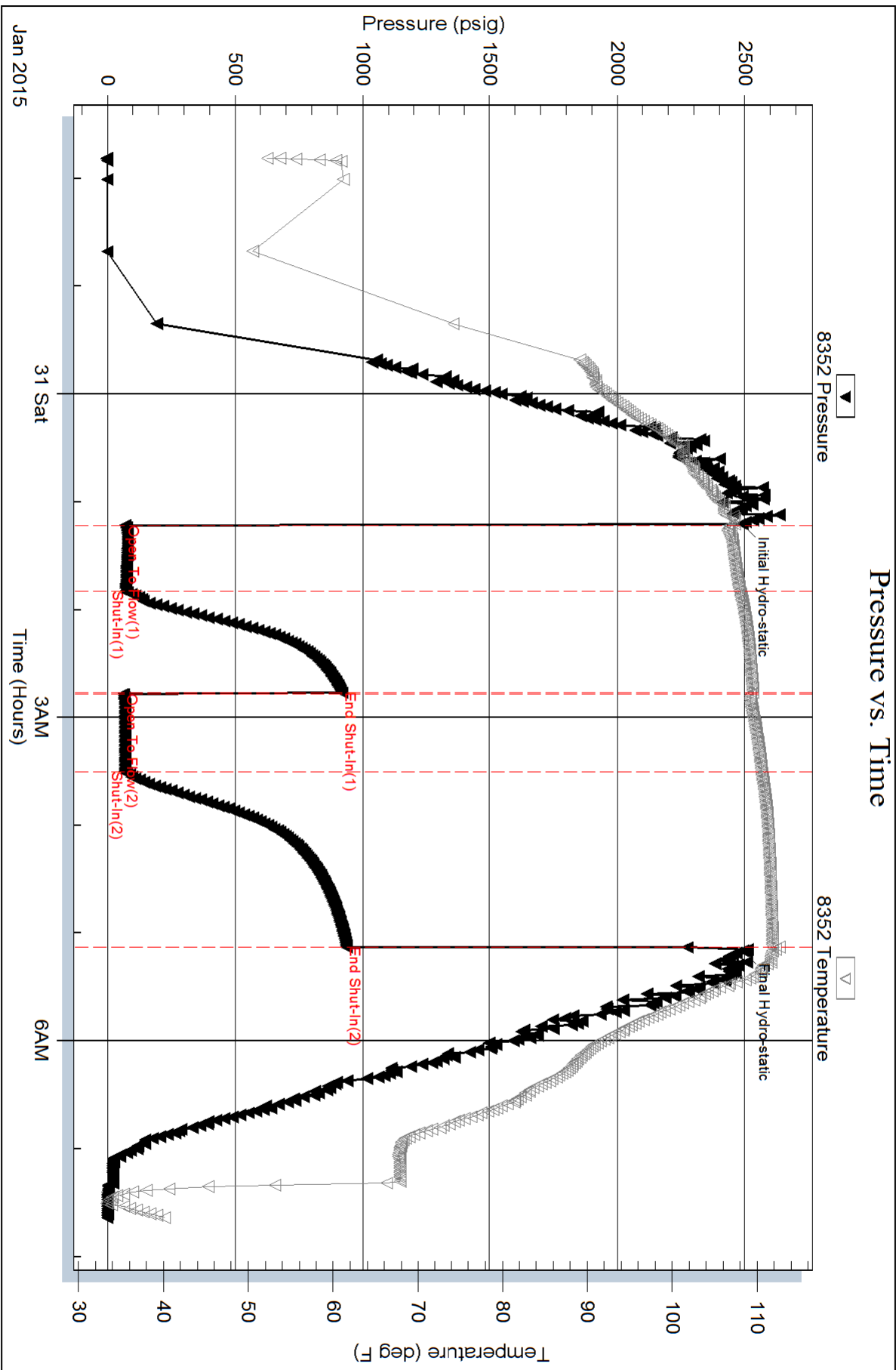
6300

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	02-05-15	Sec.	34	Twp.	28s	Range	23w	County	Ford	State	KS	On Location	9:30 AM	Finish	12:15 PM
Lease	Keough	Well No.	3-34		Location Kingsdown, 2N, 4W, 1W, 3/4 into										
Contractor	Duke #1				Owner Vincent										
Type Job	Production				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	7 7/8	T.D.	5360												
Csg.	4 1/2	11.6	Depth	5360											
Tbg. Size			Depth	Charge To Vincent											
Tool			Depth	Street											
Cement Left in Csg.	44	Shoe Joint	44												
Meas Line			Displace	83 BBLs 2% KCL											
EQUIPMENT				Cement Amount Ordered 225sx Pro C + 5 #16/sea + \$500 gal Mud Flush + 8 gals KCL 25% Gas											
Pumptrk	8	No.	David F		Common 225sx Pro C										
Bulktrk	10	No.	David B		Poz. Mix										
Bulktrk		No.			Gel. 4										
Pickup		No.	Mike B		Calcium										
JOB SERVICES & REMARKS				Hulls											
Rat Hole				Salt 24											
Mouse Hole				Flowseal											
Centralizers				Kol-Seal 1125 #											
Baskets				Mud CLR 48 500 Gal Mud Flush											
D/V or Port Collar				CFL-117 or CD110 CAF 38 C-44 Gas Block 53 #											
Pipe on Btm, Break Circ., Plug Bit & Mouse Holes w/ 50sx, Pump Pre-Flush				Sand CC-1 8 Gals											
Mix 175sx cement, Stop Wash up, Release Plug, start Disp w/ Fresh 2% KCL water, See steady increase in PSI, Slow Rate,				Handling 253											
Bump Plug, at 83 BBLs total Disp				Mileage 50											
Release PSI, Float Did Hold				FLOAT EQUIPMENT											
Bumped From 750 # to 1250 #				Guide Shoe 1-4.5											
				Centralizer 6-4.5											
				Baskets											
				AFU Inserts 1-4 1/2											
				Float Shoe											
				Latch Down LMV 50											
				4 S Rubber Plug											
				Service Supervisor											
				Pumptrk Charge Long string											
				Mileage 50 x 2											
												Tax			
												Discount			
												Total Charge			
X Signature  Fireman															



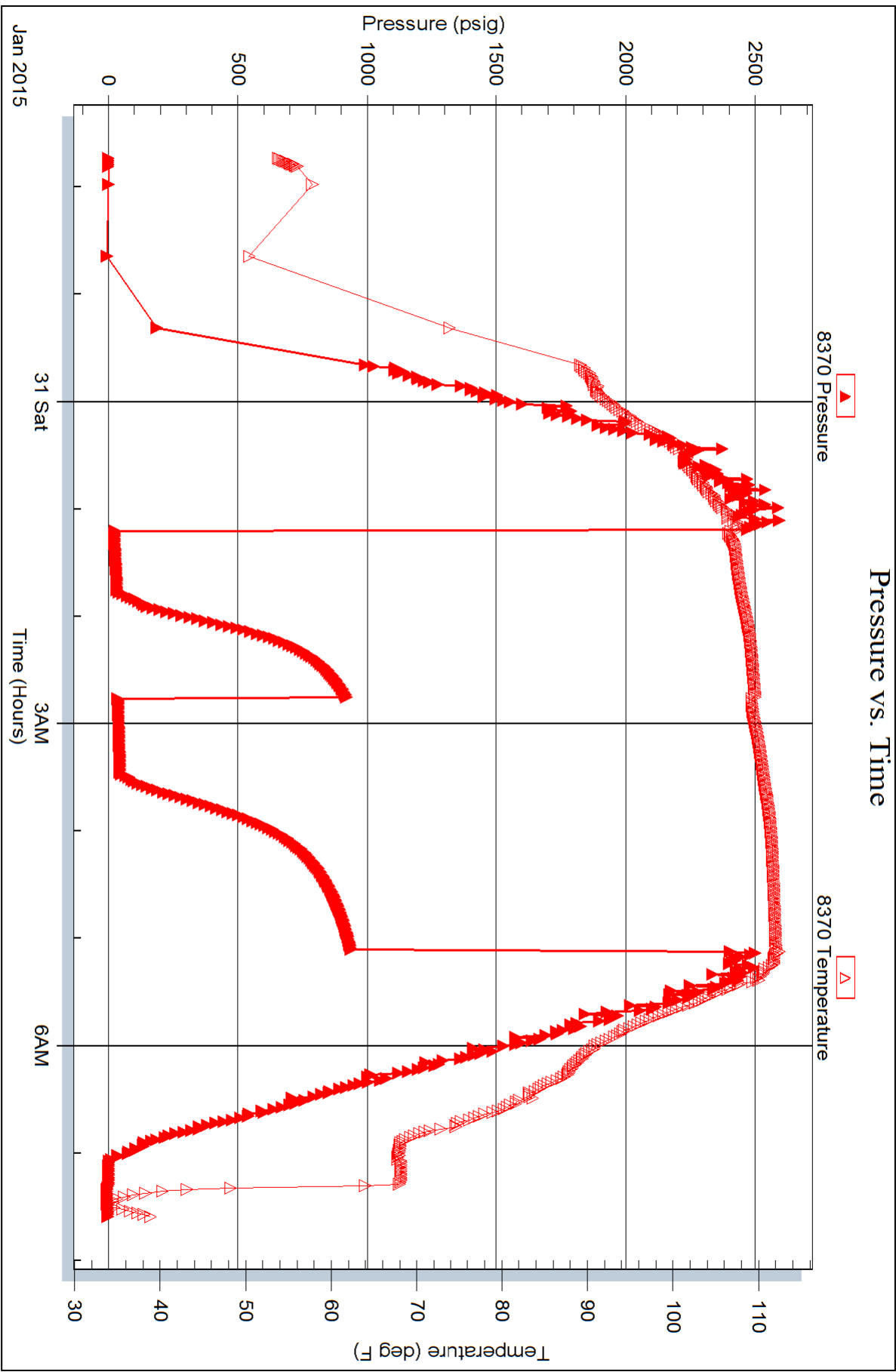
Serial #: 8370

Inside

Vincent Oil Corp.

Keough#3-34

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Vincent Oil Corp.
155 N. Market, Ste. 700
Wichita Ks. 67202
ATTN: Tom Dudgeon

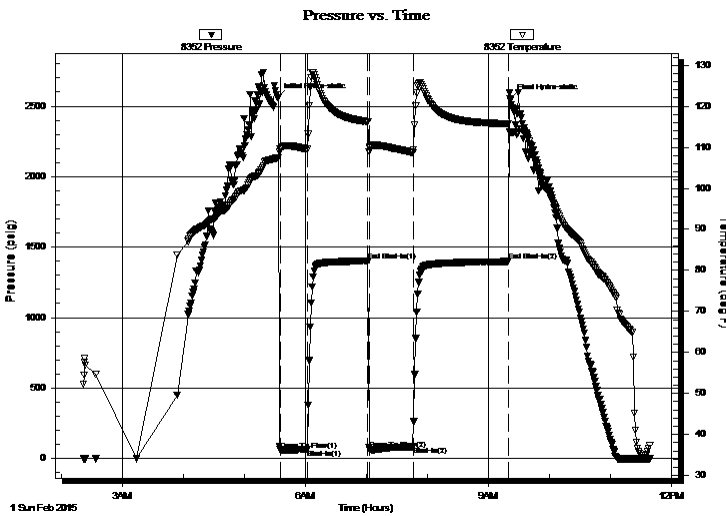
34-28s-23w Ford Ks.
Keough#3-34
Job Ticket: 59738 **DST#: 2**
Test Start: 2015.02.01 @ 02:21:47

GENERAL INFORMATION:

Formation: **B/ Penn.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:35:02
Time Test Ended: 11:38:47
Interval: **5127.00 ft (KB) To 5180.00 ft (KB) (TVD)**
Total Depth: 5180.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Gary Pevoteaux
Unit No: 80
Reference Elevations: 2539.00 ft (KB)
2527.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8352 Outside
Press @ Run Depth: 84.91 psig @ 5128.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.02.01 End Date: 2015.02.01 Last Calib.: 2015.02.01
Start Time: 02:21:52 End Time: 11:38:47 Time On Btm: 2015.02.01 @ 05:32:32
Time Off Btm: 2015.02.01 @ 09:21:17

TEST COMMENT: IF: Strong blow . GTS in 9 mins. (see gas flow report)
IS: Weak blow . 1".
FF: Strong blow . Head on top of pipe had backed out causing gas to leak badly thus making our flow rates at gauges drop . Head w as 32 ft. up. High winds and cold made situation



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2562.23	107.43	Initial Hydro-static
3	63.14	109.64	Open To Flow (1)
29	66.23	109.52	Shut-In(1)
89	1401.55	116.22	End Shut-In(1)
91	64.05	109.81	Open To Flow (2)
134	84.91	108.64	Shut-In(2)
227	1399.91	115.77	End Shut-In(2)
229	2550.15	113.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	Drig.mud	1.12

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	19.00	122.35
Last Gas Rate	0.25	14.00	45.05
Max. Gas Rate	0.38	23.00	137.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp.

34-28s-23w Ford Ks.

155 N. Market, Ste. 700
Wichita Ks. 67202

Keough#3-34

Job Ticket: 59738

DST#: 2

ATTN: Tom Dudgeon

Test Start: 2015.02.01 @ 02:21:47

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:

7800 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	Drig.mud	1.122

Total Length: 80.00 ft

Total Volume: 1.122 bbl

Num Fluid Samples: 0

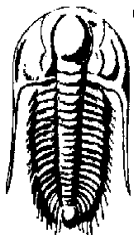
Num Gas Bombs: 1

Serial #: gp-2

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corp.

34-28s-23w Ford Ks.

155 N. Market, Ste. 700
Wichita Ks. 67202

Keough#3-34

Job Ticket: 59738

DST#: 2

ATTN: Tom Dudgeon

Test Start: 2015.02.01 @ 02:21:47

Gas Rates Information

Temperature: 59 (deg F)

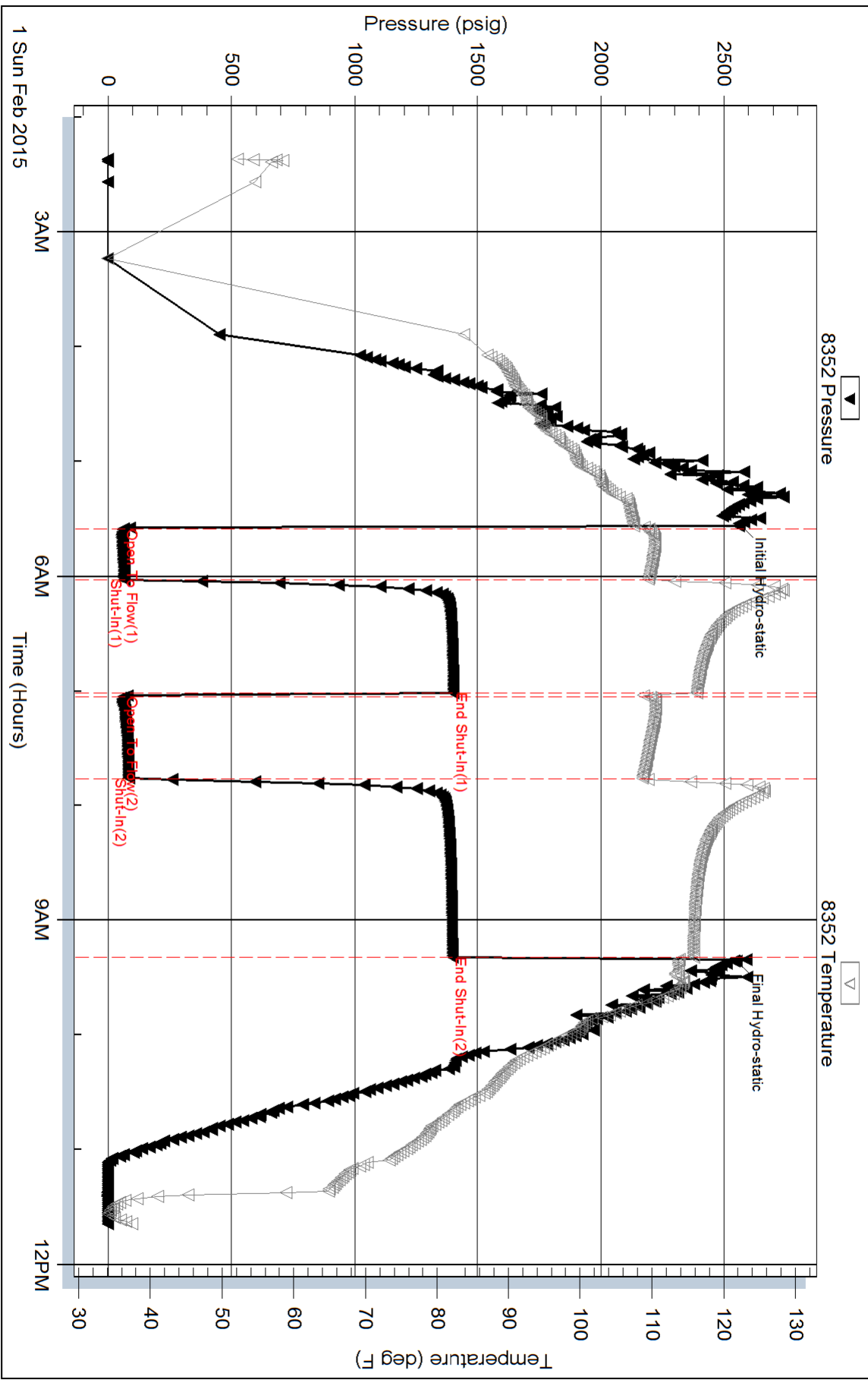
Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.38	19.00	122.35
1	20	0.38	22.00	133.34
1	30	0.38	23.00	137.00
2	1	0.38	17.00	115.03
2	20	0.25	14.00	45.05
2	45	0.25	14.00	45.05

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Vincent Oil Corp.

34-28s-23w Ford Ks.

155 N. Market, Ste. 700
Wichita Ks. 67202

Keough#3-34

Job Ticket: 59739

DST#: 3

ATTN: Tom Dudgeon

Test Start: 2015.02.01 @ 21:17:03

GENERAL INFORMATION:

Formation: **Conglomerate**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:18:18

Time Test Ended: 07:09:48

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 80

Interval: 5180.00 ft (KB) To 5206.00 ft (KB) (TVD)

Reference Elevations: 2539.00 ft (KB)

Total Depth: 5206.00 ft (KB) (TVD)

2527.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8352 Outside

Press@RunDepth: 33.46 psig @ 5181.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.02.01

End Date:

2015.02.02

Last Calib.:

2015.02.02

Start Time: 21:17:08

End Time:

07:09:48

Time On Btm:

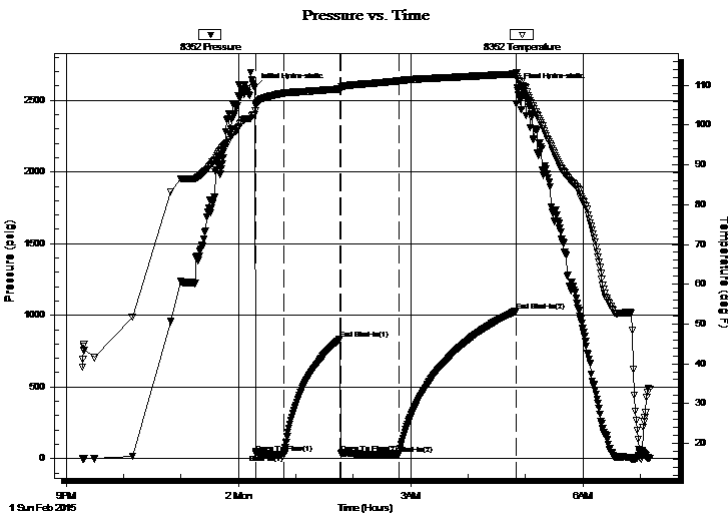
2015.02.02 @ 00:16:48

Time Off Btm:

2015.02.02 @ 04:51:33

TEST COMMENT: IF:Strong blow . B.O.B. in 15 secs.
IS:Fair blow . 3 - 6".
FF:Strong blow . B.O.B. in 5 secs. GTS in 27 mins. TSTM
FS:Fair to strong blow . B.O.B.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2590.24	102.62	Initial Hydro-static
2	36.09	104.91	Open To Flow (1)
31	28.84	108.03	Shut-In(1)
90	835.23	109.10	End Shut-In(1)
90	33.68	109.06	Open To Flow (2)
151	33.46	111.09	Shut-In(2)
274	1030.50	112.87	End Shut-In(2)
275	2586.09	112.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Drig.mud	0.70

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 Corp.

34-28s-23w Ford Ks.

155 N. Market, Ste. 700
Wichita Ks. 67202

Keough#3-34

Job Ticket: 59739

DST#: 3

ATTN: Tom Dudgeon

Test Start: 2015.02.01 @ 21:17:03

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:

7400 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Drig.mud	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

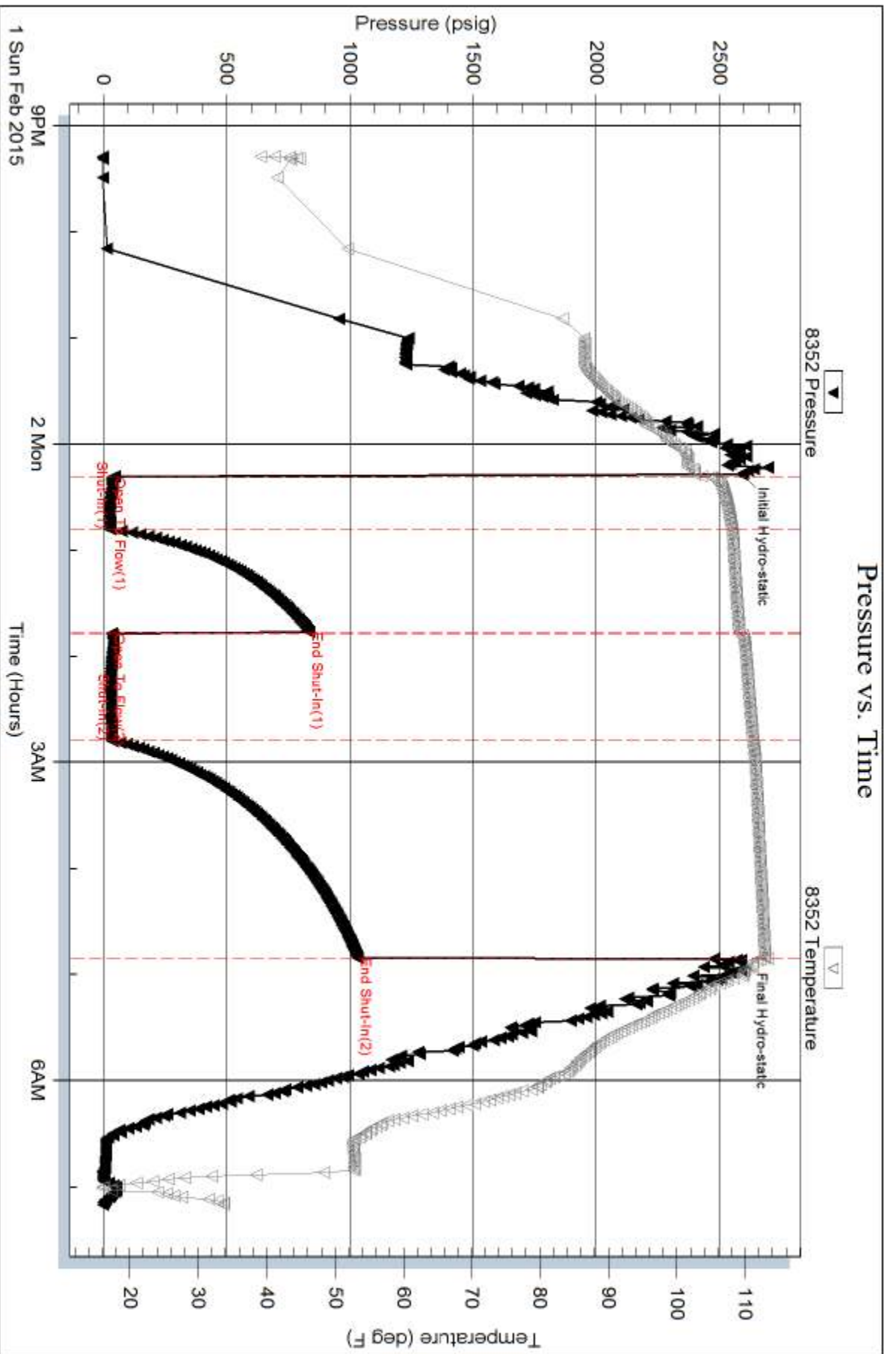
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corp.
155 N. Market, Ste. 700
Wichita Ks. 67202
ATTN: Tom Dudgeon

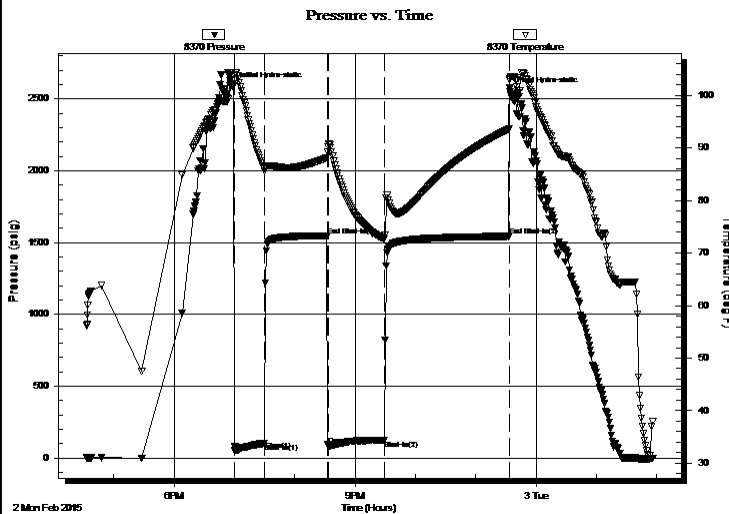
34-28s-23w Ford Ks.
Keough#3-34
Job Ticket: 59740 **DST#: 4**
Test Start: 2015.02.02 @ 16:33:03

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:00:18
Time Test Ended: 01:56:03
Interval: **5212.00 ft (KB) To 5228.00 ft (KB) (TVD)**
Total Depth: 5228.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2539.00 ft (KB)
2527.00 ft (CF)
KB to GR/CF: 12.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Gary Pevoteaux
Unit No: 80

Serial #: 8370 Inside
Press @ Run Depth: 125.18 psig @ 5213.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.02.02 End Date: 2015.02.03 Last Calib.: 2015.02.03
Start Time: 16:33:08 End Time: 01:56:03 Time On Btm: 2015.02.02 @ 18:58:33
Time Off Btm: 2015.02.02 @ 23:34:03

TEST COMMENT: IF: Strong blow . GTS in 8 mins. (see gas flow report)
IS: Weak blow . 2 - 4 1/2".
FF: Strong blow . (see gas flow report)
FS: Fair blow . 4 - 6".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2587.27	102.21	Initial Hydro-static
2	51.56	103.99	Open To Flow (1)
32	105.13	85.54	Shut-In(1)
94	1549.18	88.11	End Shut-In(1)
95	88.96	90.22	Open To Flow (2)
151	125.18	72.59	Shut-In(2)
275	1544.35	93.56	End Shut-In(2)
276	2552.10	103.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drig.mud	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	27.00	279.27
Last Gas Rate	0.50	69.00	562.59
Max. Gas Rate	0.50	69.00	562.59

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp.

34-28s-23w Ford Ks.

155 N. Market, Ste. 700
Wichita Ks. 67202

Keough#3-34

Job Ticket: 59740

DST#: 4

ATTN: Tom Dudgeon

Test Start: 2015.02.02 @ 16:33:03

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:

7400 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Drig.mud	0.421

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-4

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Vincent Oil Corp.

34-28s-23w Ford Ks.

155 N. Market, Ste. 700
Wichita Ks. 67202

Keough#3-34

Job Ticket: 59740

DST#: 4

ATTN: Tom Dudgeon

Test Start: 2015.02.02 @ 16:33:03

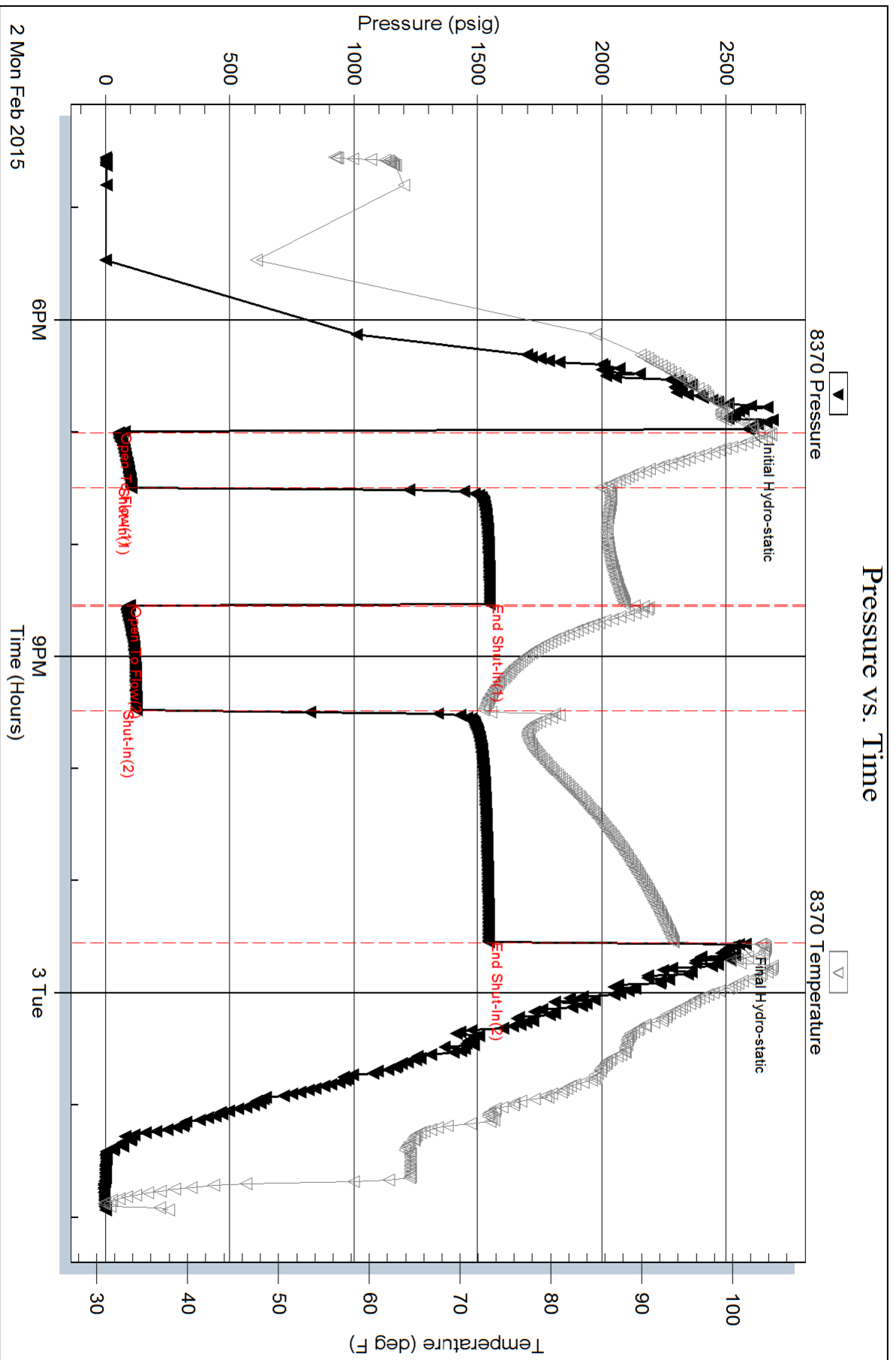
Gas Rates Information

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	0.50	27.00	279.27
1	20	0.50	36.00	339.98
1	30	0.50	50.00	434.42
2	10	0.50	50.00	434.42
2	20	0.50	64.00	528.86
2	30	0.50	67.00	549.10
2	40	0.50	68.00	555.85
2	50	0.50	68.00	555.85
2	60	0.50	69.00	562.59

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Vincent Oil Corp.

34-28s-23w Ford Ks.

155 N. Market, Ste. 700
Wichita Ks. 67202

Keough#3-34

Job Ticket: 59741

DST#: 5

ATTN: Tom Dudgeon

Test Start: 2015.02.03 @ 13:58:18

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:04:18

Time Test Ended: 23:18:03

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 80

Interval: 5243.00 ft (KB) To 5258.00 ft (KB) (TVD)

Reference Elevations: 2539.00 ft (KB)

Total Depth: 5258.00 ft (KB) (TVD)

2527.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 135.09 psig @ 5244.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.02.03 End Date: 2015.02.03

Last Calib.: 2015.02.03

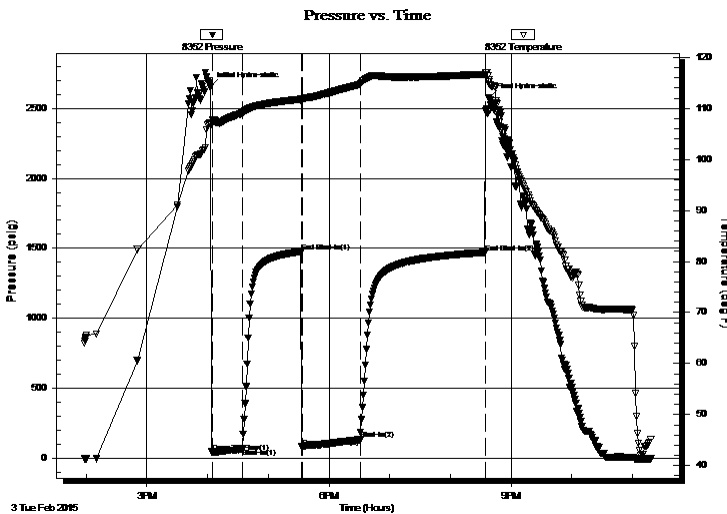
Start Time: 13:58:23 End Time: 23:18:03

Time On Btm: 2015.02.03 @ 16:02:33

Time Off Btm: 2015.02.03 @ 20:38:18

TEST COMMENT: IF: Strong blow . B.O.B in 2 mins.
IS: Weak blow . 2".
FF: Strong blow . B.O.B. in 1 min. GTS in 12 mins. TSTM
FS: Weak to fair blow . 3 - 5".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2656.01	107.15	Initial Hydro-static
2	44.46	107.09	Open To Flow (1)
32	70.41	109.12	Shut-In(1)
90	1477.38	111.80	End Shut-In(1)
91	81.86	111.34	Open To Flow (2)
148	135.09	114.68	Shut-In(2)
272	1471.38	116.70	End Shut-In(2)
276	2575.25	115.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	CGO 20%g 80%o	1.40
120.00	GMCO 36%g 26%m 38%o	1.68
120.00	GOCM 38%g 22%o 40%m	1.68

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 Corp.

34-28s-23w Ford Ks.

155 N. Market, Ste. 700
Wichita Ks. 67202

Keough#3-34

Job Ticket: 59741

DST#: 5

ATTN: Tom Dudgeon

Test Start: 2015.02.03 @ 13:58:18

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

10800 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
100.00	CGO 20%g 80%o	1.403
120.00	GMCO 36%g 26%m 38%o	1.683
120.00	GOCM 38%g 22%o 40%m	1.683

Total Length: 340.00 ft

Total Volume: 4.769 bbl

Num Fluid Samples: 0

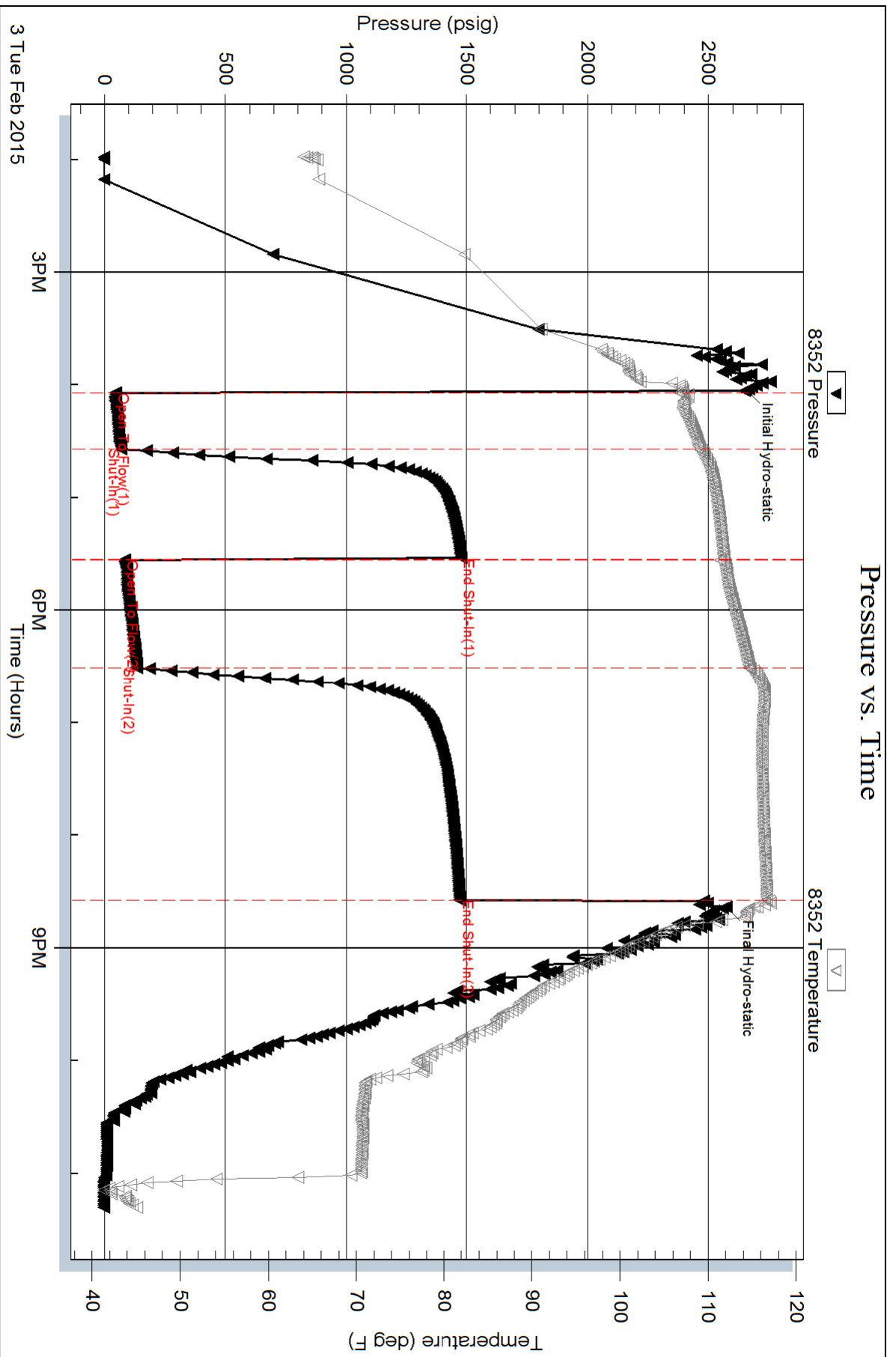
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



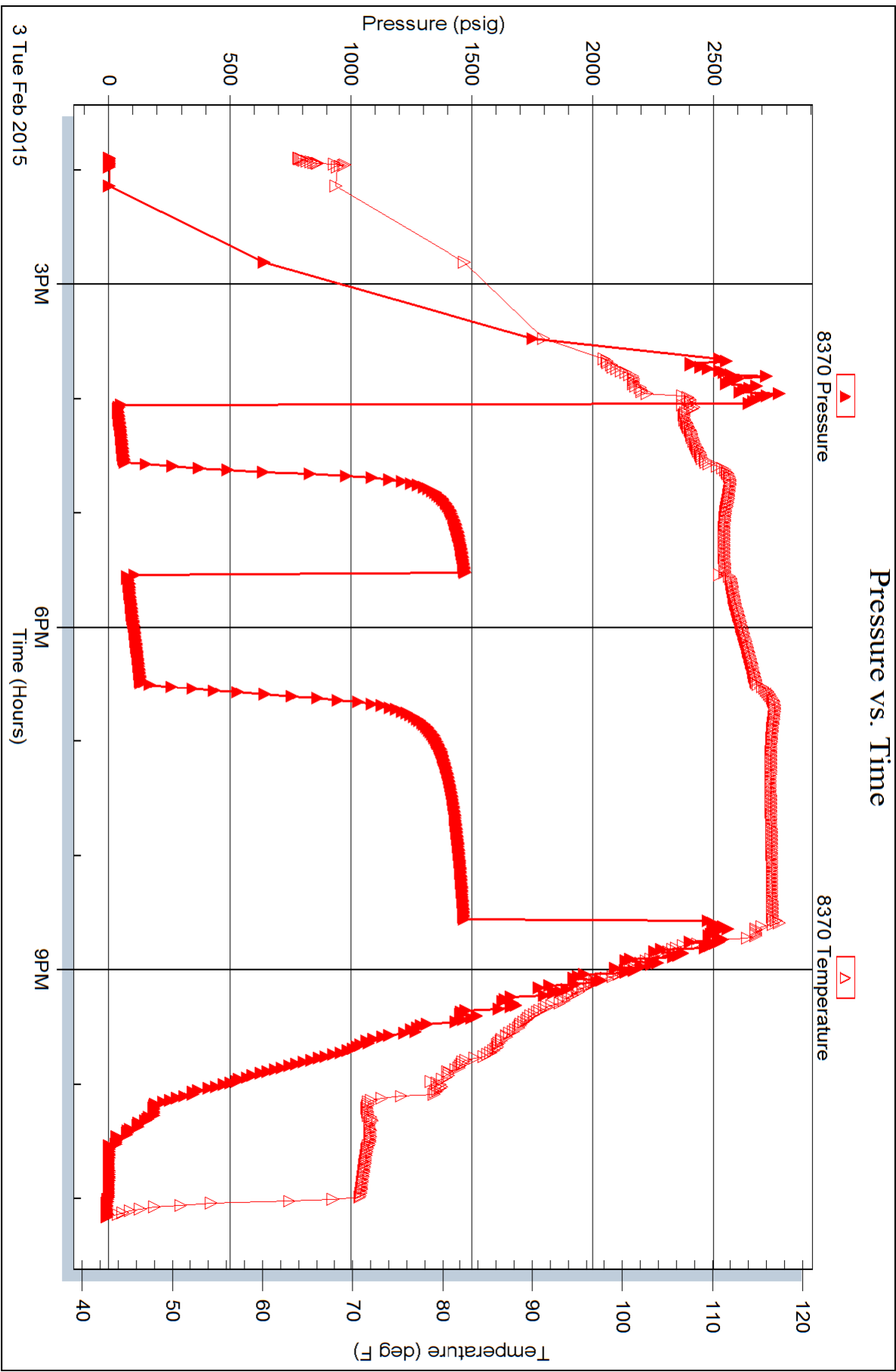
Serial #: 8370

Inside

Vincent Oil Corp.

Keough#3-34

DST Test Number: 5





Scale 1:240 Imperial

Well Name: Keough 3-34
Surface Location: SW SW NE NW 34-28S-23W
Bottom Location:
API: 15-057-20959
License Number: 5004
Spud Date: 1/23/2015 Time: 11:15 PM
Region:
Drilling Completed: 2/4/2015 Time: 9:22 AM
Surface Coordinates: 1240' FNL & 1335 FWL
Bottom Hole Coordinates:
Ground Elevation: 2527.00ft
K.B. Elevation: 2539.00ft
Logged Interval: 4200.00ft To: 5360.00ft
Total Depth: 5360.00ft
Formation: MISS
Drilling Fluid Type:

OPERATOR

Company: Vincent Oil Corporation
Address: 155 N Market Ste 700
Wichita KS 67202
Contact Geologist: Dick Jordan
Contact Phone Nbr: 3162623573
Well Name: Keough 3-34
Location: SW SW NE NW 34-28S-23W API: 15-057-20959
Pool: DEVELOPMENT Field: Mulberry Creek
State: KS Country: FORD

CONTRACTOR

Contractor: Duke Drilling Co., Inc.
Rig #: 1
Rig Type: Rotary
Spud Date: 1/23/2015 Time: 11:15 PM
TD Date: 2/4/2015 Time: 9:22 AM
Rig Release: 2/5/2015 Time: 12:15 PM

LOGGED BY

Company: Vincent Oil Corporation
Address: 155 N Market Ste 700
Wichita KS 67202
Phone Nbr: 3162623573
Logged By: Geologist Name: Tom Dudgeon

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: 99.8272020
Latitude: 37.5688004

Longitude: -99.8273059
 N/S Co-ord: 1240' FNL
 E/W Co-ord: 1335 FWL

Latitude: 37.5688094

OPEN HOLE LOGS

Logging Company: Nabors Competition and Production Services Co.
 Logging Engineer: Ian Mabb
 Truck #: 3802
 Logging Date: 2/4/2015
 # Logs Run: 4
 Time Spent: 6
 # Logs Run Successful: 4

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
Dual Induction	0.00ft	5362.00ft	2.00		1
Density Neutron	4250.00ft	5362.00ft	2.00		1
Micro	4250.00ft	5362.00ft	4.00		2
Sonic	0.00ft	5362.00ft	4.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
2/6/2015	0.00ft	5362.00ft	Logs Ran Successfully

CASING SUMMARY

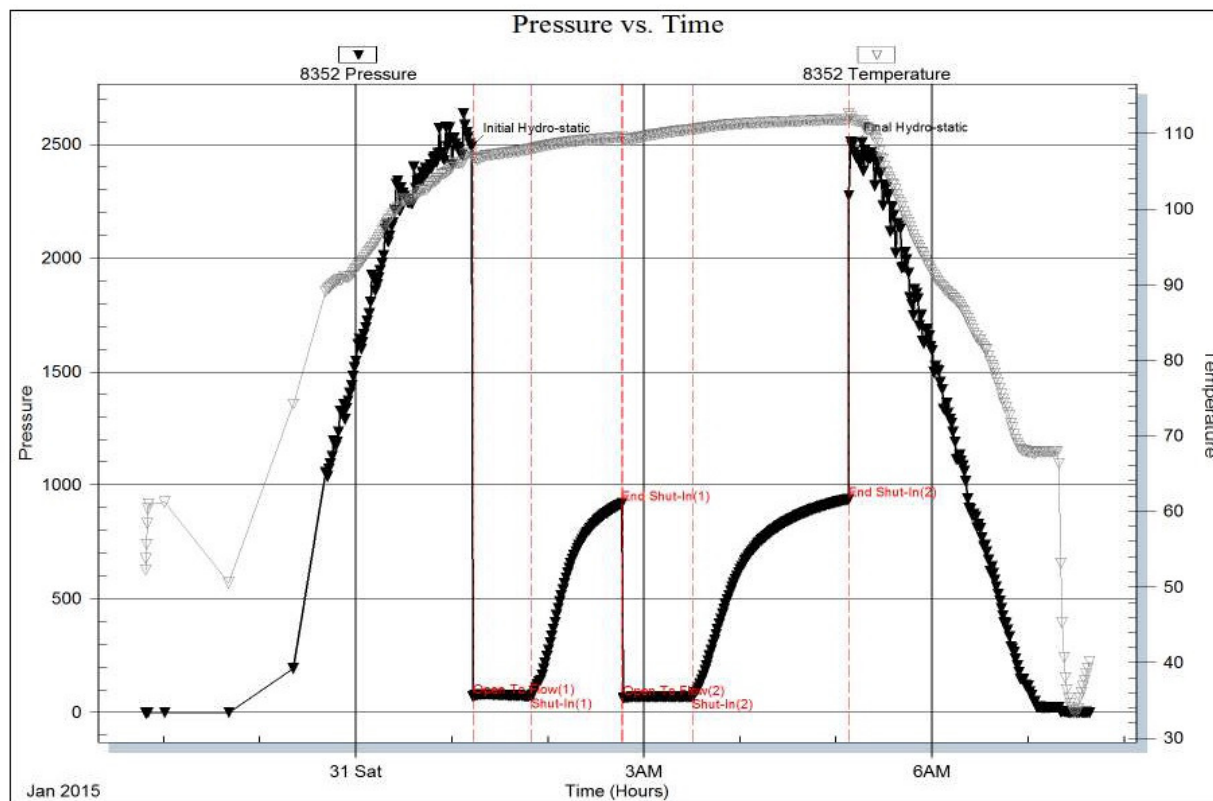
	Surface	Intermediate	Main		
Bit Size	12.25 in				
Hole Size			7.88 in		
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8.625 in	655 ft	23#	15	1/25/2015 8:00 AM
Int Casing					
Prod Casing	4.5 in	5359 ft	11.6#	122	

CASING SEQUENCE

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

DST #1

Serial #: 8352 Outside: Vincent Oil Corp. Keough #3-34 DST Test Number: 1



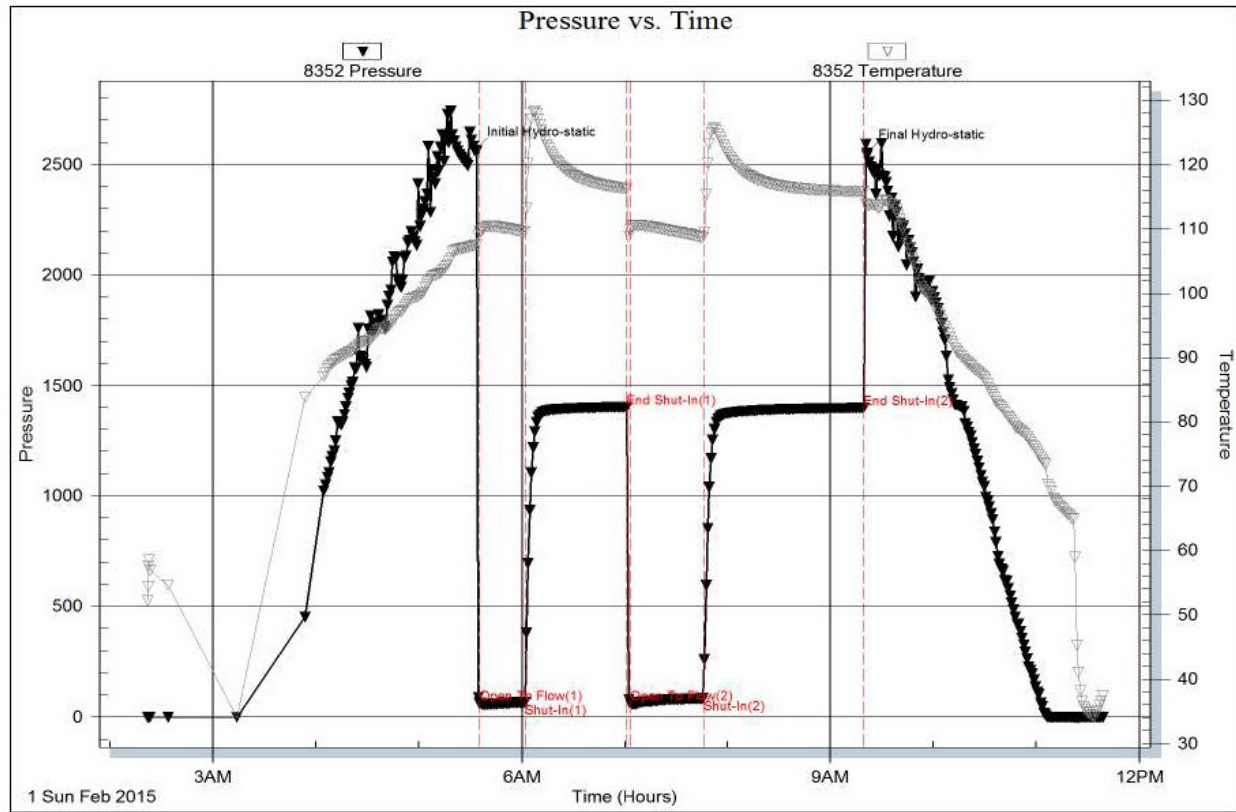
DST #2

Serial #: 8352

Outside Vincent Oil Corp.

Keough #3-34

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 59738

Printed: 2015.02.06 @ 08:46:42

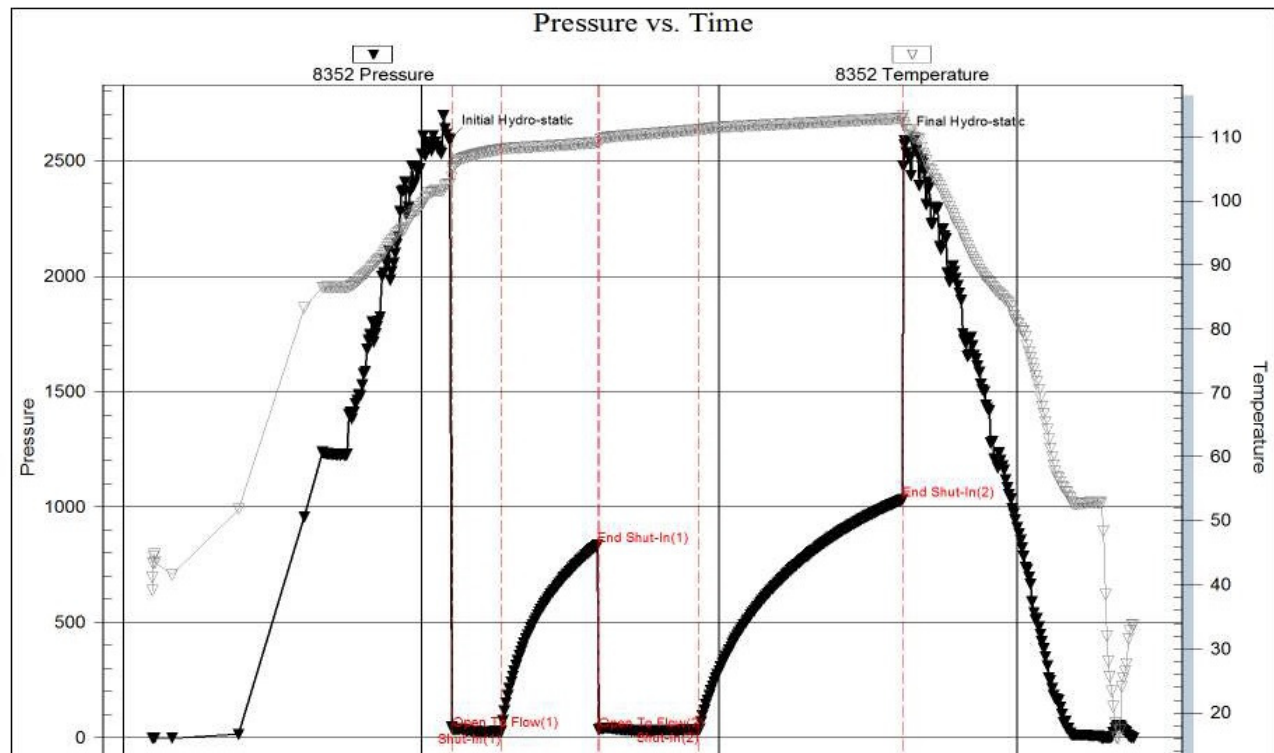
DST #3

Serial #: 8352

Outside Vincent Oil Corp.

Keough #3-34

DST Test Number: 3



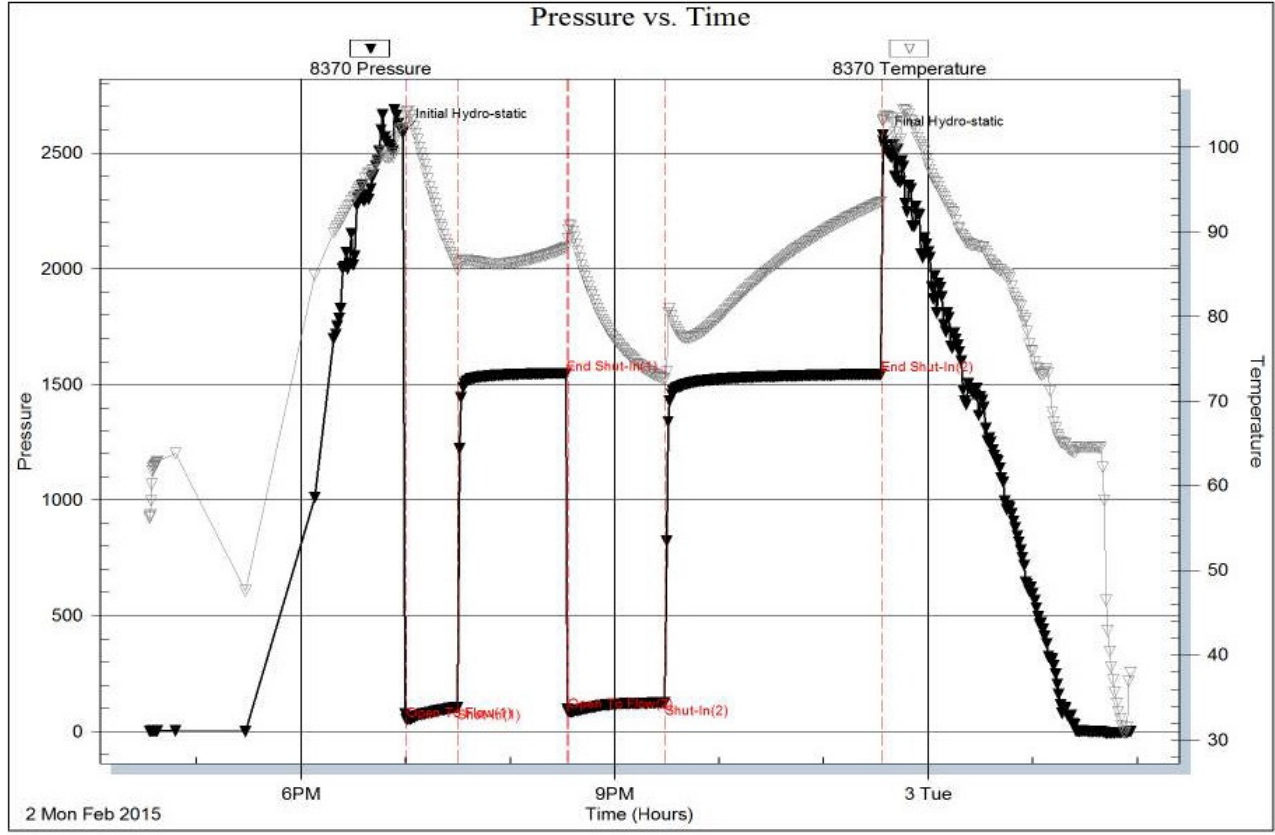
DST #4

Serial #: 8370

Inside Vincent Oil Corp.

Keough #3-34

DST Test Number: 4



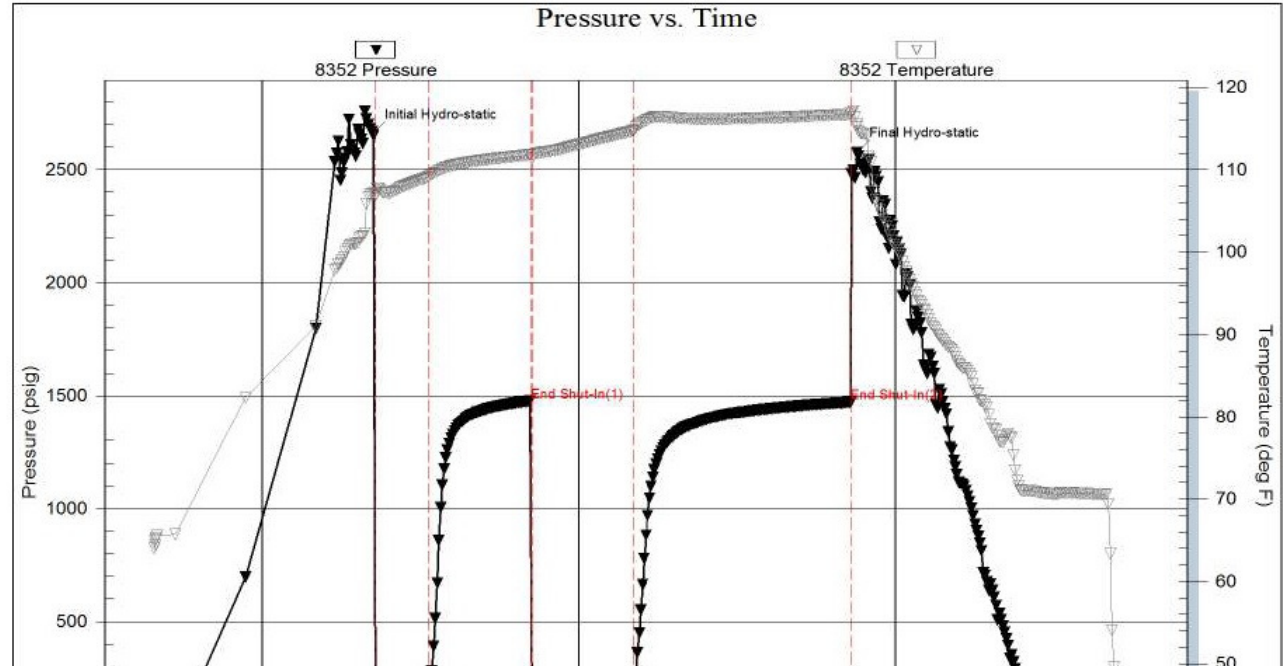
DST #5

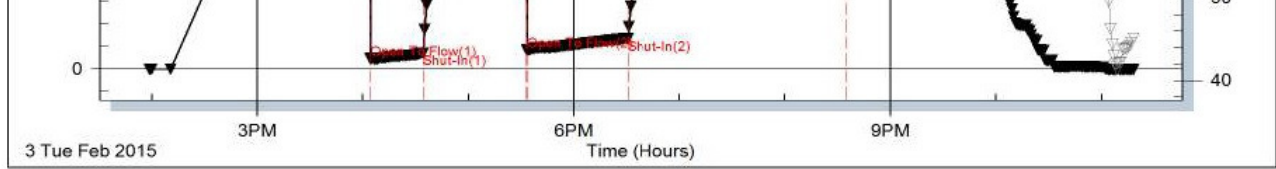
Serial #: 8352

Outside Vincent Oil Corp.

Keough #3-34

DST Test Number: 5



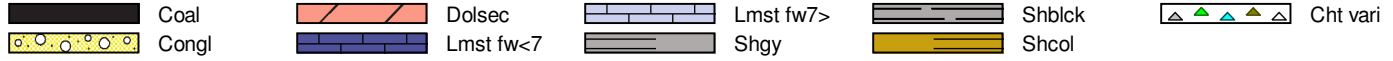


Trilobite Testing, Inc

Ref. No: 59741

Printed: 2015.02.06 @ 08:53:48

ROCK TYPES



ACCESSORIES

MINERAL

- Carbonaceous Flakes
- ▲ Chert, dark
- ∟ Dolomitic
- Ferruginous, grains or pe
- ∞ Glauconite
- P Pyrite
- Sandy
- Silty
- △ Chert White

FOSSIL

- ◇ Brachiopod
- ∩ Bryozoa
- ∩ Coral
- Crinoids
- ∩ Echinoid
- F Fossils < 20%
- ∩ Gastropod
- ∩ Oolite
- ∩ Plant Remains
- ∩ Corals
- ∩ Spicules

STRINGER

- ▨ Dolomite
- ▨ Sandstone
- ▨ Shale

TEXTURE

- C Chalky
- e Earthy

MISC

- ∩ Fractures
- ∩ Veins

OTHER SYMBOLS

POROSITY TYPE

- x 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

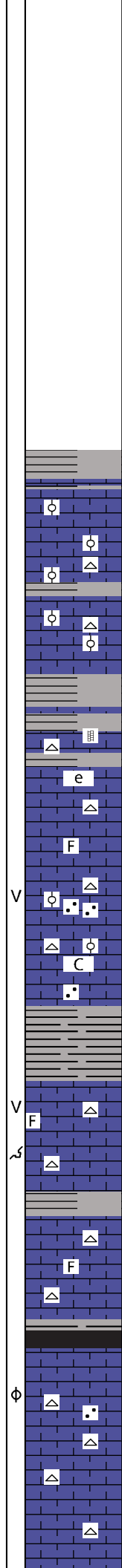
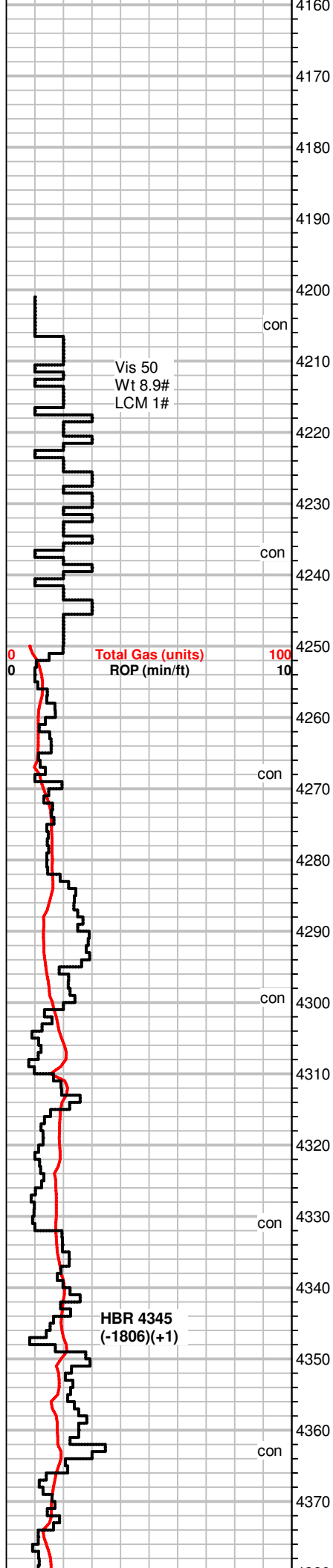
INTERVALS

- Core
- ∩ DST

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

Curve Track #01		Depth Intervals	Porosity Types	Interpreted Lithology	Oil Shows	Geological Descriptions	Comment
Total Gas (units)	ROP (min/ft)						
1:240 Imperial		4100					
0	100	4110					
0	10	4120					
		4130					
		4140					
		4150					

Geo on location @ 6:00 PM 1/28/2015
 Gas Detector provided by Bluestem Labs, on location and running
 @ 4250'



WS-PS, crm, vf-xln, gritty to sandy txt in part, oolitic pcs scatt, m-gr, ringed ooids, hard, NS
 SH, gray, green

MS-WS, off white to crm, oolitic pcs A.A., Chert, white
 SH, grays

SH, gray
 MS-WS, crm to tan, vf-xln, some pcs earthy txt, hard, calcite veins, NS
 Chert, white

MS-WS, tan to crm, some gray, mic-xln to f-xln, sandy txt in part, mottled pcs throughout,
 Chert, white, tan, gray, some micro oolitic

MS, crm, massive txt, friable, chalky matrix, scatt sandy pcs, fossilif, Chert, white
 Some SH, gray

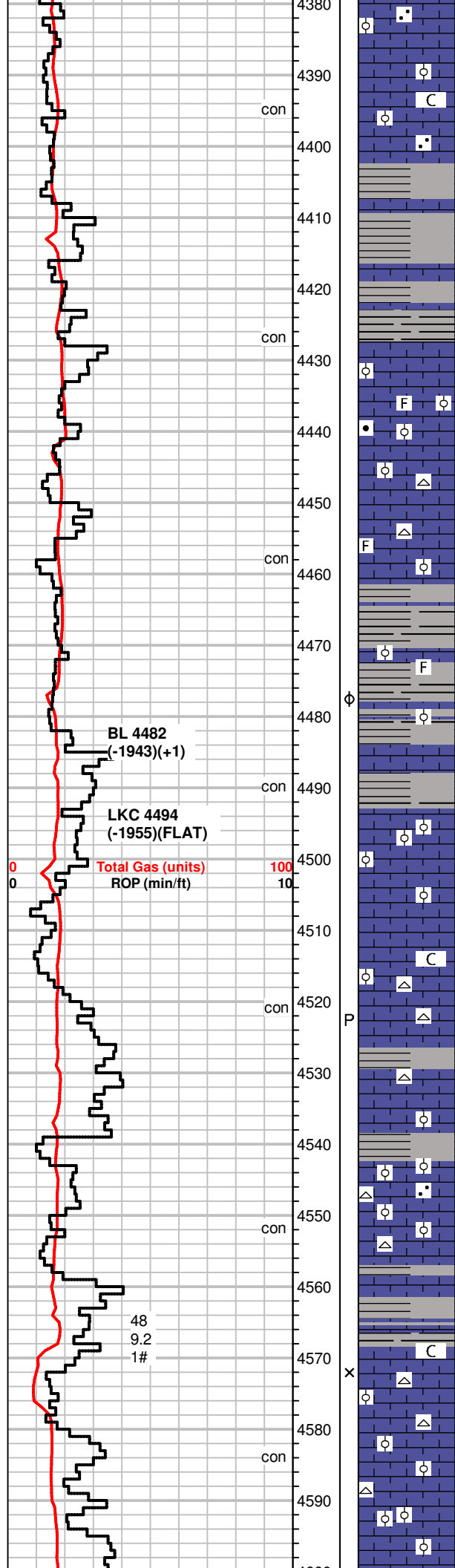
SH, gray, dk. gray, sli. carbonaceous
 MS, crm, A.A., Chert, white

MS, crm to lt. tan, mic-xln, hard, fossil frgmts throughout, silty in pcs, Chert, tan

SH, blk, sli. carbonaceous, rare gas bubbles

MS-WS, crm to gray, f-xln, gritty to sandy txt, dense, scatt fossils, dark mineral specs, Chert, white, fossilif.
 some SH, gray, green

MS-WS, A.A., large chert frgmts in MS matrix, hard,
 SH, dk. gray, gray



MS, crm to tan, f-xln, chalky matrix in part, scatt mottled pcs, micro oolitic to sandy txt, firm to hard, NS

Sh, gray

MS, tan to gray, vf-xln, some pcs mic-xln, dense, hard to firm, scatt fossils, crinoid sections common, large frgmts in MS matrix,

SH, blk, dk gray

MS-WS, gray to crm, f-xln, hard, rare dense pcs, m-gr oolitic pcs throughout, some w/ ringed ooids, mottled pcs common, magnetite specs, other dark minerals, NS

WS, crm to br, m-xln, m-gr oolitic, A.A., dark ooids present, firm, some pcs sandy, fossilif. lt. spotty edge stn dry
Chert, tan,

SH, dark gray to gray, red, green, rare pyrite

Scatt MS-WS, gray to crm, f-xln, dense, partly chalky, fossilif, oolitic.

MS, brn, mic-xln, dense, hard, NS

SH, blk, gray

MS-crm to lt. tan, mic-xln, hard, crm pcs chalky, fn-gr oolitic in part, friable, NS

MS, crm to lt. tan, mic to f-xln, hard, dense pcs, scatt fossils, rare chalky pcs, Chert, tan, white

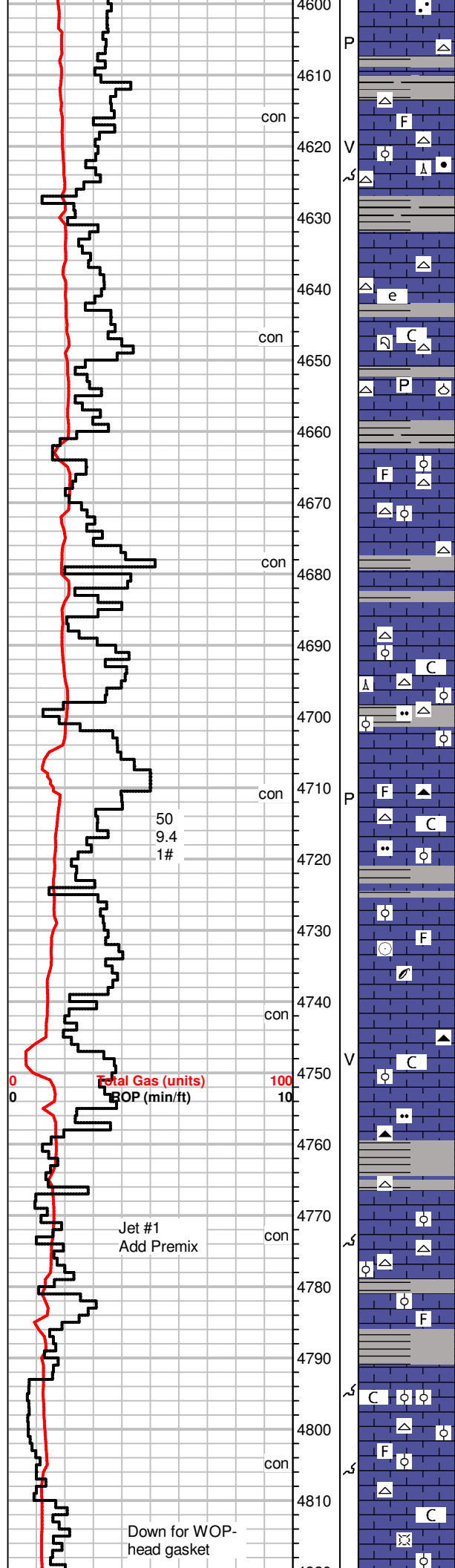
scatt SH, dk. gray, gray

MS, crm to gray, f-xln, sandy in part, rare f-gr dark ooids, crinoid frgmts, lt. edge stn dry,
Chert, tan white

SH, dk. gray, gray, red, scatt blk pcs

MS, crm to off white, f-xln, chalky matrix, silty pcs, hard to firm, NS

WS-PS, crm to lt. gray, tan, scatt brn pcs, m-xln, mottled pcs, m-gr oolitic to sub oolitic pcs, Chert, tan, white, some pcs weathered, calcite x-tals
SH, blk, gray



P
 MS, crm to brn, some pcs gray, f-xln, gritty to sandy txt, hard, brn specs, dull fluor, spotty lt. edge str dry
 SH, blk

V
 MS-WS, gray to brn, f-xln, sub oolitic pcs, fossilif, scatt brn pcs, mic-xln, dense, magnetite specs
 Chert, white, tan, blocky

SH, blk, gray, green

con
 MS, tan to brn, f-xln to mic-xln, some earthy txt, scatt chalky pcs, gritty in part, firm to hard, fossil frgmts(brachs, crinoids)
 Chert, tan, fossilif
 Scatt SH, blk grays, pyrite

MS, crm to tan, f-xln, chalky, soft to firm, fossilif,
 Chert, white, tan

con
 SH, gray, silty

MS, off white to crm, mic-xln, dense, gray pcs, f-xln, gritty to silty txt, sli chalky matrix in pcs, fossilif, m-gr ringed ooids
 Chert, white, gray, fossilif, spicules

con
 P
 SH, gray, green
 MS, crm to lt. brn, gray, f-xln, firm to hard, sli. chalky fossilif, gritty txt in brn pcs.
 Chert, white, gray, fusulinids, micro oolitic

MS, A.A., inc in crm pcs, f-xln, dense, fossils, dk. gray, mic-xln, hard, dense, NS
 scatt SH, green, gray

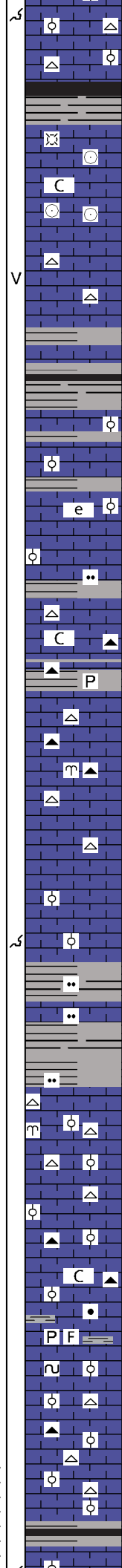
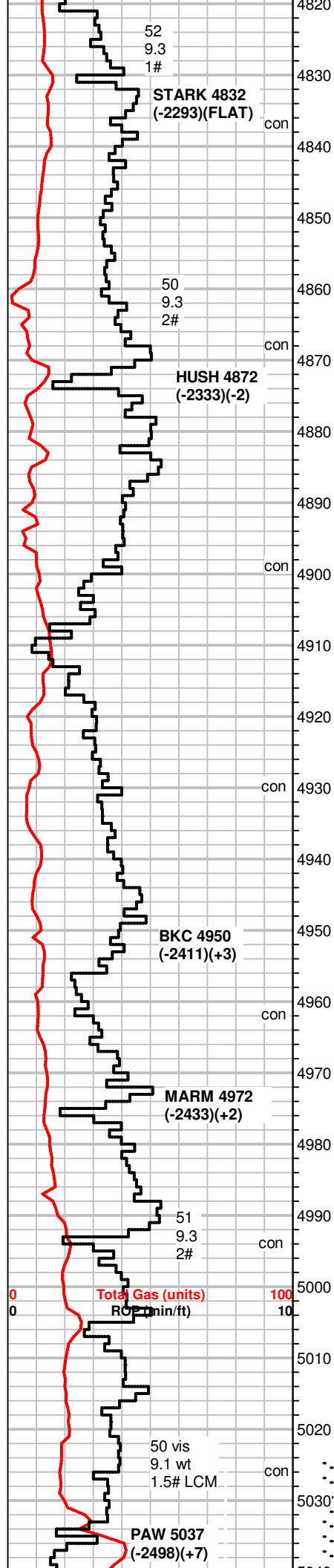
con
 V
 MS, crm to off white, chalky matrix, soft, some pcs hard, brittle, gritty txt, bright mineral fluor, NS, vuggy por.

MS, crm to tan, gray, f-xln, firm to hard, some pcs chalky, dense in part, scatt silty mottled pcs
 Chert, white, gray
 SH, gray

con
 MS, crm to lt. tan, m-xln, gritty/sandy txt, firm brittle to friable, mottled pcs throughout, fossil frgmts, moldic por.
 Chert, tan, white
 SH, green, gray

MS, crm to gray, some brn, mic-xln to chalky matrix, most pcs dense, fossilif, oolitic to sub oolitic in part, rare mottled, dull fluor, NS, moldic por.
 Chert, tan, fossilif.

con
 MS-WS, crm, f to m-xln, some w/ chalky matrix, dense to soft pcs, fossilif, sandy, m-gr dark ooids in tite matrix, moldic por.
 Chert, tan, fossilif.
 rare SH, gray



SH, blk to dark gray, some gray

MS, tan to lt. brn, some gray, mic-xln, dense, sub oolitic to m-gr oomoldic, tite matrix, fossilif (crinoids), partly chalky mtr in pcs, NS

MS, A.A., vuggy por.
scatt Chert, white

MS, tan, f to m-xln, dense, hard, sub oolitic, mineral specs, NS

SH, blk, gray

MS-WS, crm to brn, earthy to massive txt, mic-xln pcs throughout, scatt moldic/oolitic m-gr pcs, dense, sli. sandy, dark mineral specs, NS, scatt SH, gray

MS, brn to crm, mic to f-xln, hard and dense, rare chalky pcs, soft, dull fluor, NS, barren dry
Chert, tan, white, opaque
rare SH, gray, pyrite

MS, crm to tan, mic to f-xln, dense, scatt fossils, blk specs, NS
Chert, blk, fossilif, gray, milky white,
scatt. SH, dk. gray, gray

MS, crm to gray, mic to f-xln, gritty to massive txt, dense to friable pcs, NS, moldic por.

SH, gray, dk. gray, silty to sandy in part

Scatt MS, crm to gray, gritty, m-xln, NS

SH, blk, gray, green

MS, crm to gray, f to mic-xln, firm to hard, some dense, scatt mineral specs, fossils, Chert, tan

MS, crm to tan, mic-xln, some pcs f to m-xln, suboolitic in tite matrix, some pcs friable/ fractured, scatt fritty pcs, Chert, opaque, tan, white, fossilif, NS

MS, A.A., scatt chalky pcs,
Chert, gray

MS-WS, crm to brn, scatt gray, f-xln, firm to hard, suboolitic, dark mineral inclusions, scatt chalky pcs, fossilif
SH, gray, green, vf pyrite xtals

MS, crm to off white, mic to f-xln, dense, rare fossils, glauc specs, mineral fluor, NS

MS, crm to lt. brn, vf to mic-xln, dense, hard, suboolitic pcs, rare m-gr oolitic, tite matrix, min. fluor, NS, Chert, tan, gray, brn, fossilif.

MS-WS, crm to tan, mic-xln, hard, mostly dense, m-gr oolitic to micro oolitic, NS, Chert, opaque, rare fossils

SH, rare blk, carb., gray, green

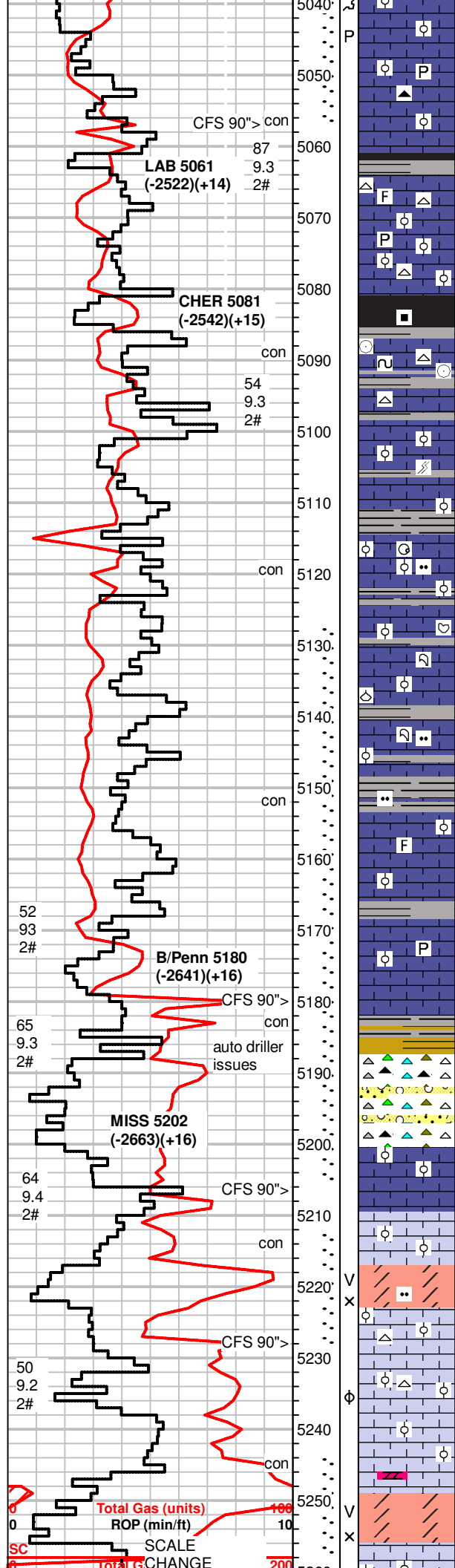
MS-WS, tan to crm, off white, f to m-xln, firm to hard, dense gritty

+4 UGK Shale Gas

+10 UGK Shale Gas

DST #1 5024-5057
Pawnee
30-60-45-90
SB BOB/7"
WBB/.5-1"
SB BOB/2.5"
WBB/1-2"
1070' GIP
Rec: 65' GOCM (16g, 16o, 68m)
IH 2489#
IF 69-73# ISIP 918#
FF 63-68# FSIP 937#
FH 2492#
BHT 112°F

+10 UGK Shale Gas



pcs, oolitic pcs, m-gr ooids, **rare pcs w/ bright fluor, live oil droplets in pores, good stain, good odor, bubbling gas, inst. streaming cut, rare calcite/pyrite xtals.** Chert, blk, fossilif.

Sh, gray to blk, some pyrite
MS-WS, crm to brn, f-xln, firm to hard, sub oolitic pcs, micro oolitic, dense, fossilif, NS
Chert, white, fossilif

MS, A.A., some mic-xln, sub oolitic, firm to hard, primarily dense pcs, pyrite, lt. edge stn dry, no cut, scatt SH, gray, blk, dec. amt.

SH, blk, grays, silty

MS, brn to crm, gritty to f-xln txt, hard, some pcs silty with chalky matrix, rare glauc specs, scatt. fossils (crinoid sections) NS, Chert, white, brn
some SH, gray

MS, crm to gray, some brn, mic to f-xln, dense, rare fractured pcs, scatt sub oolitic pcs, NS

SH, blk, gray, silty
MS-WS, crm to tan, f to m-xln, firm, some gritty pcs w/ chalky matrix, Chert, opaque, white, oolitic/fossilif.

SH's, blk, gray, gas bubbles
MS, crm to brn, chalky pcs, f-xln, scatt hard, dense, fossilif pcs. NS

MS-WS, crm to brn, mic-xln to f-xln, dense, fossils(brachs, coral), girty txt in part, scatt mottled pcs, rare dead wormy stn.

MS, crm, A.A.
some SH, gray, green, silty., some blk pcs

MS, crm to lt. tan, brn, mic-xln, hard, most pcs dense, sub oolitic, fossilif.

MS, crm to brn, mic-xln, dense, fossilif. A.A., 1 pc w/ bright fluor, no cut, no odor., some SH, gray

MS, crm to brn A.A., rare oolitic pcs scatt pyrite, some fossils, dull yellow fluor to **scatt bright fluor, slow milky cut, faint odor in bag**, no visible stn,

MS, crm to brn, f-xln, firm to hard, sub oolitic, fossilif. dense, moldic por. Chert, gray, white, SH, varicolored, blk, gray, red, yellow, some green

Chert, varicolored, blk, milky white, yellow, fossilif/oolitic, **very faint odor, scatt dull fluor, stain in vugs, spotty stain on white pcs, bkeeding gas, free oil droplets, inst. streaming cut**, vuggy por. Rare SS clusters, f-gr, friable to tite, mineral specs, **free oil when broken, rare bright fluor**

MS-WS, off white, crm to brn, oolitic, hard, dense, NS
WS-PS, crm to off white, f-xln, sli. chalky pcs scatt, firm to hard, some pcs sli. dolomitic, sub oolitic to oolitic, m-gr ooids, dull fluor, NS

Dolo, gray to brn, vf-xln, vf-sucrosic txt, firm to soft, rare vuggy por., int-xln por. **faint to good odor, scatt bright fluor, slow milky cut, faint edge stn dry.**

WS-PS, off white, hard, m-gr oolitic, dull fluor, NS
WS-PS, crm to of white, oolitic, m-gr, chalky matrix in pcs, scatt Chert, white

MS-PS, crm to off white, gritty to oolitic, hard to firm, some pcs friable, slightly dolomitic pcs, dull fluor, very faint odor

Dolo, brn, m-xln, sandy to sugary txt, soft, **bright to mineral fluor, free oil droplets in vugs, streaming cut on select pcs, spotty stn in wet, vuggy to int-xln por. good odor in bag/tray**

+22 UGK from Pawnee w/ 15 UGK recycle

Trip Gas

+24 UGK Shale Gas

+26 UGK Shale Gas

+17 UGK,

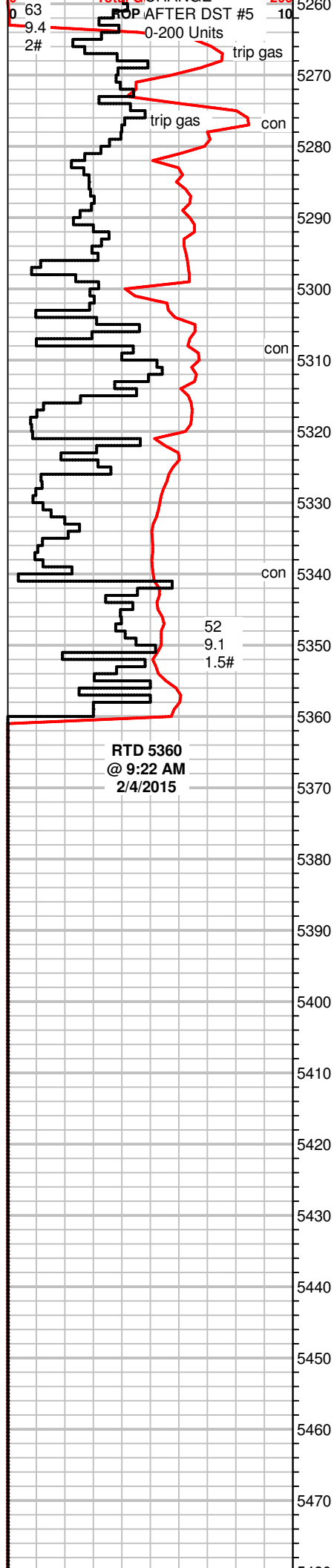
DST #2 5127-5180
Penn Lime
30-60-45-90
SB GTS/9" GA 3/8" Cke
122 MCF/10"
133 MCF/20"
137 MCF/30"
SB (loose fitting on manifold)
GA 1/4" Cke
115 MCF/1"
45 MCF/20"
45MCF/45"
Rec: 80' Mud
IH 2562#
IF 63-62# ISIP 1402#
FF 64-85# FSIP 1400#
FH 2550#
Temp 116 °F

+19 UGK,
+11 UGK recycle

+19 UGK,
+6 UGK recycle

+44 UGK, +26 UGK recyc.

+39 UGK, +16 UGK recyc.



RTD 5360
@ 9:22 AM
2/4/2015



WS-PS, crm to off white, f-xln, m-gr oolitic, fossilif. sli, dolomitic, firm to hard, NS, some Dolo, brn, limey, f-xln, faint odor

WS-PS, crm to off white, f-xln, m-gr oolitic, firm, dull fluor, NS Chert, white, fossilif

WS-PS, off white, firm, chalky pcs common, micro oolitic, NS Assoc. Chert, white

WS-PS, crm to off white, partly chalky, massive txt, oolitic, m-gr ringed ooids in chalky matrix, rare glauc, dense, NS Dolo, brn, f-xln, hard to brittle, fn-suc txt. barren, NS

Dolo, brn to tan, f-suc txt, A.A., NS

WS-PS, off white to crm, m-gr oolitic, ringed ooids, some pcs friable

Dolo, gray to brn, vf-suc to fn sugary txt, dark mineral specs, min. fluor, NS, vuggy por.

MS-WS, off white, oolitic in part, m-gr ooids, glauc

Dolo, gray to brn, vf-suc. txt, mineral inclusions, tite pcs, barren, NS, int-xln por.

MS-WS, off white, oolitic to micro oolitic pcs, hard, dense, NS assoc. Chert, white,

MS-WS, off white to tan, mic-xln, dense, scatt chalky pcs, some pcs oolitic, dull fluor, NS rare Chert, white

DST #3 5180-5206
Cong
30-60-60-120
SB BOB/15 sec
FBB
SB BOB/5 sec GTS/27"
TSTM
FBB TO SBB
Rec: 50' Mud
IH 2590#
IF 36-29# ISIP 835#
FF 34-33# FSIP 1031#
FH 2586#
Temp 113°F

DST #4 5212-5228 Miss
30-60-60-120
SB BOB/Immed GTS/7"
GA .5" Cke
279 MCF/10"
339 MCF/20"
434 MCF/30"
WBB 4"
SB GA GTS
434 MCF/10"
528 MCF/20"
549 MCF/30"
555 MCF/40"
555 MCF/50"
562 MCF/60"
FBB 4-6"
Rec: 30' Mud
IH 2587#
IF 52-105# ISIP 1549#
FF 89-125# FSIP 1544#
FH 2552#
Temp 94°F

DST #5 5243-5258
Miss
30-60-60-120
SB BOB/2"
WBB
SB BOB/1" GTS/12"
TSTM
W-FBB
Rec: 100' CGO (20g, 80o)
120' GMCO (36g, 38o, 26m)
120' GOCM
(38g, 22o, 40m)
IH 2656#
IF 44-70# ISIP 1477#
FF 82-135# FSIP 1471#
FH 2575#
Temps 117°F
Gravity: 35.8 API

	5480			
	5490			