

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	BORGER 1-5
Doc ID	1592445

All Electric Logs Run

Dual Induction
Density - Neutron
Micro Log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	BORGER 1-5
Doc ID	1592445

Tops

Name	Top	Datum
Anhydrite	1604	(+848)
Heebner Shale	4009	(-1557)
Brown Limestone	4090	(-1618)
Lansing	4098	(-1646)
Stark Shale	4378	(-1926)
Pawnee	4574	(-2122)
Cherokee Shale	4630	(-2178)
Base Penn Limestone	4714	(-2262)
Mississippian	4734	(-2282)
RTD	4830	(-2378)

QUALITY WELL SERVICE, INC.

7680

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

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

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

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-4-21	5	24S	23W	Hodgeman	KS		
Lease	BROOK		Well No.	1-5			
Contractor	L D DELG		RG #1	Location Hodgeman / Ford Co line N to G Rd			
Type Job	Surface		Owner	1/2 E SW 1/4 into			
Hole Size	12 1/4		T.D.	359'			
Csg.	85/8 23*		Depth	355'			
Tbg. Size			Charge To	VIVENT OIL COOP			
Tool			Street				
Cement Left in Csg.	25		Shoe Joint	25			
Meas Line			Displace	21			
			Cement Amount Ordered	2 1/2 S (Common)			
EQUIPMENT			2 1/2 GEL 3 1/2 CC 1/2" PS				
Pumptrk	8	No.	Common 250				
Bulktrk	7	No.	Poz. Mix				
Bulktrk		No.	Gel. 470*				
Pickup		No.	Calcium 750*				
JOB SERVICES & REMARKS			Hulls				
Rat Hole			Salt				
Mouse Hole			Flowseal 125				
Centralizers			Kol-Seal				
Baskets			Mud CLR 48				
D/V or Port Collar			CFL-117 or CD110 CAF 38				
Run B-H's 85/8 23" Csg set @ 355			Sand				
Csg on Bottom? Hook up to Csg &			Handling 270				
BREAK circ w/ 1/2" G			Mileage 75 / 7500				
START PUMPING 10 Bbls H ₂ O			FLOAT EQUIPMENT				
START MK: Pump 250 sc			Guide Shoe				
Common 2 1/2 GEL 3 1/2 CC 1/2" PS @ 14.3/100			Centralizer				
SHUT DOWN RELEASE 85/8 WOODEN PLK			Baskets				
START DISO			AFU Inserts				
Flag down			Float Shoe				
21 Bbls total			Latch Down				
Close Valve on Csg 150*			LMV 75				
Good size thru TOP			SERVICE Spv 1 FA				
Circ CUT TO SURFACE			Pumptrk Charge SFL 0-500				
			Mileage 150				
THANK YOU			KAL WILSON				
PLEASE CALL AGAIN							
TODD MILK MATY							
X Signature			Tax				
			Discount				
			Total Charge				



785-953-0222

TICKET NUMBER 1194 K
LOCATION Hampton, KS
FOREMAN Walt Dunkel

FIELD TICKET & TREATMENT REPORT CEMENT

DATE <u>6-16-21</u>	CUSTOMER #	WELL NAME & NUMBER <u>Borger #1-5</u>	SECTION <u>5</u>	TOWNSHIP <u>24 S</u>	RANGE <u>23 W</u>	COUNTY <u>Ford</u>
CUSTOMER <u>Vincent Oil Corporation</u>			Jettmore 500th to Rel G			
MAILING ADDRESS			TRUCK # <u>103</u>	DRIVER <u>Bob Cory D.</u>	TRUCK #	DRIVER
CITY			<u>800-850</u>	<u>Francisco</u>		
STATE		ZIP CODE				
			<u>2 East</u>			
			<u>1/2 S</u>			

JOB TYPE PTA HOLE SIZE 7 1/8 HOLE DEPTH 4830' CASING SIZE & WEIGHT _____
CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 13.5 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, Rig up on L-D Dwg, Plug is ordered

50 SKS @ 1650'
50 SKS @ 810'
50 SKS @ 300'
20 SKS @ 80W Wooden Plug
30 SKS in BH

*Thank You
Walt Dunkel*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
	<u>1</u>	<u>PUMP CHARGE</u>	<u>1,500.00</u>	<u>1,500.00</u>
	<u>45</u>	<u>MILEAGE</u>	<u>7.15</u>	<u>321.75</u>
	<u>8.6</u>	<u>Ton Mileage Delivery</u>	<u>1.75</u>	<u>677.25</u>
	<u>200 SKS</u>	<u>Lite Weight Island V</u>	<u>16.00</u>	<u>3,200.00</u>
	<u>1</u>	<u>8 5/8 Wooden Plug</u>	<u>165.00</u>	<u>165.00</u>
	<u>50 #</u>	<u>Fla Seal</u>	<u>3.00</u>	<u>150.00</u>
				<u>6,014.00</u>
		<u>less 35% Disc</u>		<u>2,104.90</u>
				<u>3,909.10</u>
			SALES TAX	
			ESTIMATED TOTAL	

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payments terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Vincent Oil Corp
200 W Douglas Ave #725
Wichita, Ks. 67202
ATTN: Tom Dudgeon

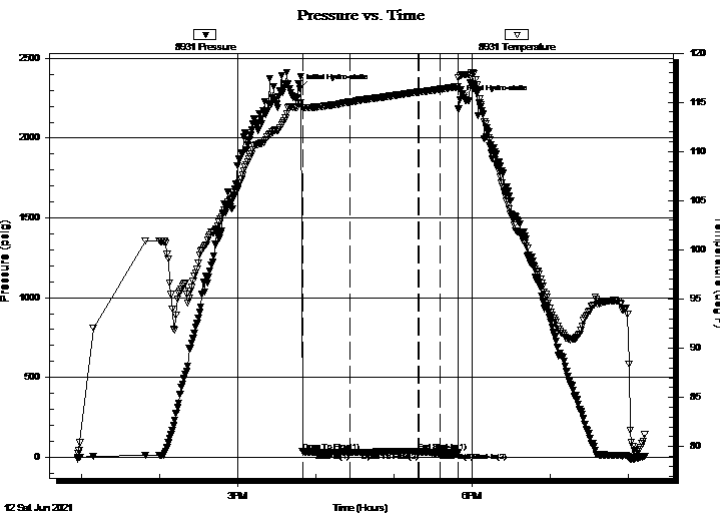
5-24s-23w Hodgeman Co., Ks.
Borger 1-5
Job Ticket: 67236 **DST#: 1**
Test Start: 2021.06.12 @ 12:56:58

GENERAL INFORMATION:

Formation: **Conglomerate**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:49:58
Time Test Ended: 20:13:13
Interval: **4699.00 ft (KB) To 4729.00 ft (KB) (TVD)**
Total Depth: 4729.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 68
Reference Elevations: 2452.00 ft (KB)
2447.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8931 Inside
Press@RunDepth: 27.68 psig @ 4700.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.06.12 End Date: 2021.06.12 Last Calib.: 2021.06.12
Start Time: 12:57:03 End Time: 20:13:12 Time On Btm: 2021.06.12 @ 15:47:43
Time Off Btm: 2021.06.12 @ 17:50:43

TEST COMMENT: IF: Weak Blow . Built to 1/4". Died Back to surface. (30)
IS: No Blow . (60)
FF: No Blow . Flushed Tool. No Blow . (15)
FS: No Blow . (10)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2313.12	114.91	Initial Hydro-static
3	35.34	114.48	Open To Flow (1)
39	28.73	115.03	Shut-In(1)
91	37.25	116.04	End Shut-In(1)
92	30.28	116.04	Open To Flow (2)
108	27.68	116.31	Shut-In(2)
122	27.46	116.57	End Shut-In(2)
123	2241.76	117.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	OSM 100% m	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp
200 W Douglas Ave #725
Wichita, Ks. 67202
ATTN: Tom Dudgeon

5-24s-23w Hodgeman Co., Ks.
Borger 1-5
Job Ticket: 67236 **DST#: 1**
Test Start: 2021.06.12 @ 12:56:58

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:	3100 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: 3100.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	OSM 100%m	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None
 Laboratory Name: Laboratory Location:
 Recovery Comments:

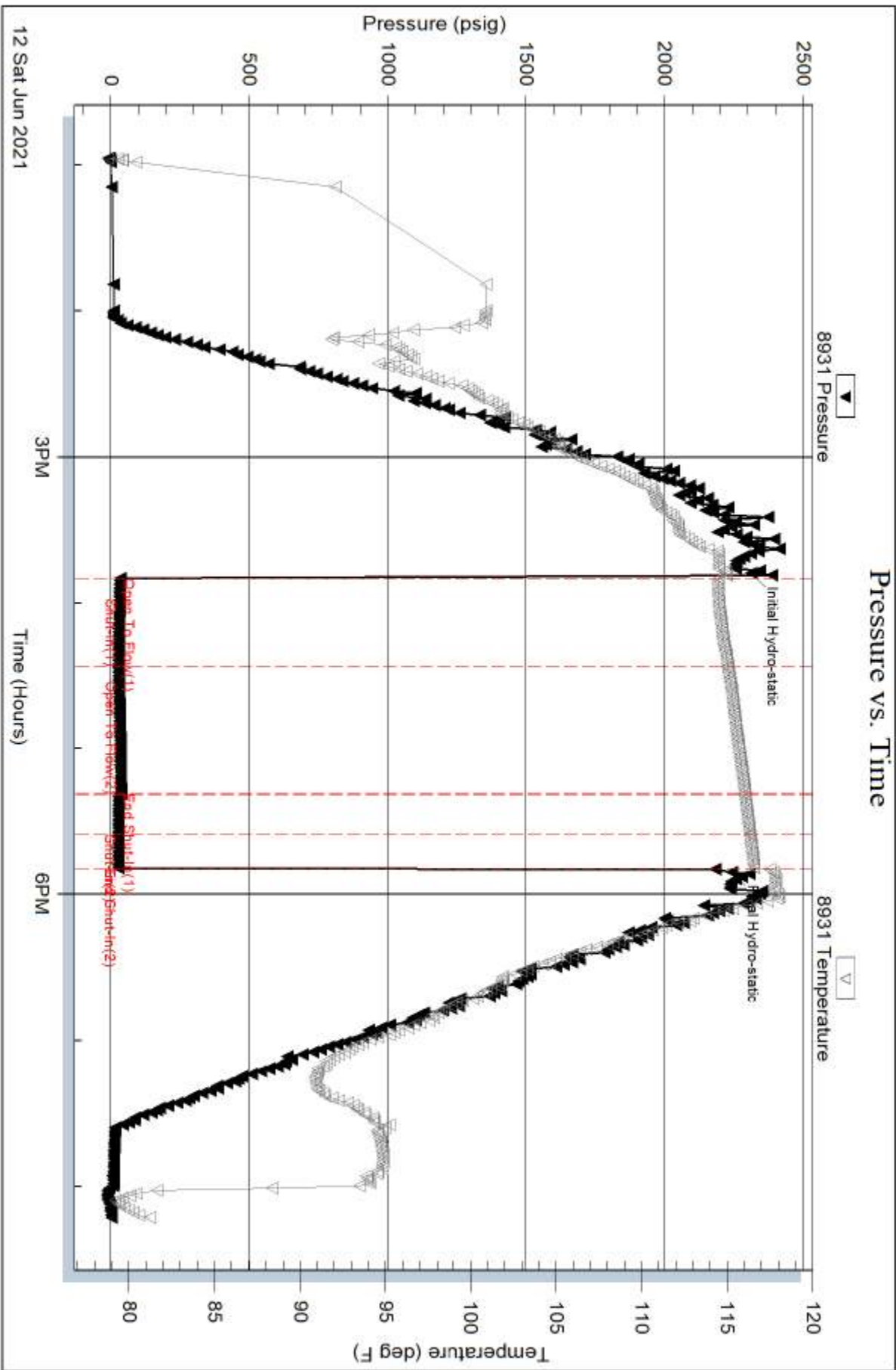
Serial #: 8931

Inside

Vincent Oil Corp

Borger 1-5

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67236

Printed: 2021.06.12 @ 21:03:09



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Vincent Oil Corp
 200 W Douglas Ave #725
 Wichita, Ks. 67202
 ATTN: Tom Dudgeon

5-24s-23w Hodgeman Co., Ks.
Borger 1-5
 Job Ticket: 67237 **DST#: 2**
 Test Start: 2021.06.13 @ 06:37:12

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:00:57
 Time Test Ended: 15:52:27
 Interval: **4699.00 ft (KB) To 4745.00 ft (KB) (TVD)**
 Total Depth: 4745.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 68
 Reference Elevations: 2452.00 ft (KB)
 2447.00 ft (CF)
 KB to GR/CF: 5.00 ft

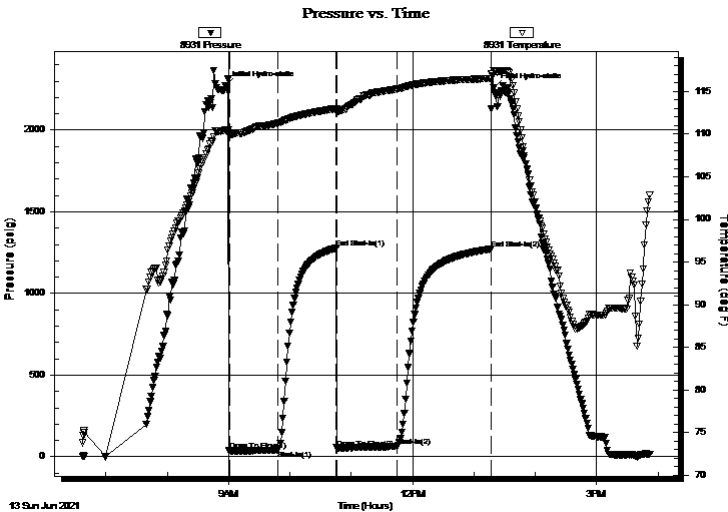
Serial #: 8931

Inside

Press@RunDepth: 64.44 psig @ 4700.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.06.13 End Date: 2021.06.13 Last Calib.: 2021.06.13
 Start Time: 06:37:17 End Time: 15:52:27 Time On Btm: 2021.06.13 @ 08:56:57
 Time Off Btm: 2021.06.13 @ 13:19:27

TEST COMMENT: IF: Weak- Fair Blow . Built to 4.07" . (45)
 IS: No Blow . (60)
 FF: Weak-Fair Blow . Built to 4.10" . (60)
 FS: No Blow . (90)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2272.98	110.45	Initial Hydro-static
4	37.75	110.01	Open To Flow (1)
52	42.06	111.28	Shut-In(1)
109	1278.34	113.02	End Shut-In(1)
109	53.23	112.69	Open To Flow (2)
168	64.44	115.30	Shut-In(2)
260	1271.80	116.53	End Shut-In(2)
263	2260.22	117.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	GVSOCM 5%g 5%o 90%m	1.33
5.00	CO 100%o	0.07
0.00	25" G.I.P. 100%g	0.00

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Vincent Oil Corp
 200 W Douglas Ave #725
 Wichita, Ks. 67202
 ATTN: Tom Dudgeon

5-24s-23w Hodgeman Co., Ks.
Borger 1-5
 Job Ticket: 67237 **DST#: 2**
 Test Start: 2021.06.13 @ 06:37:12

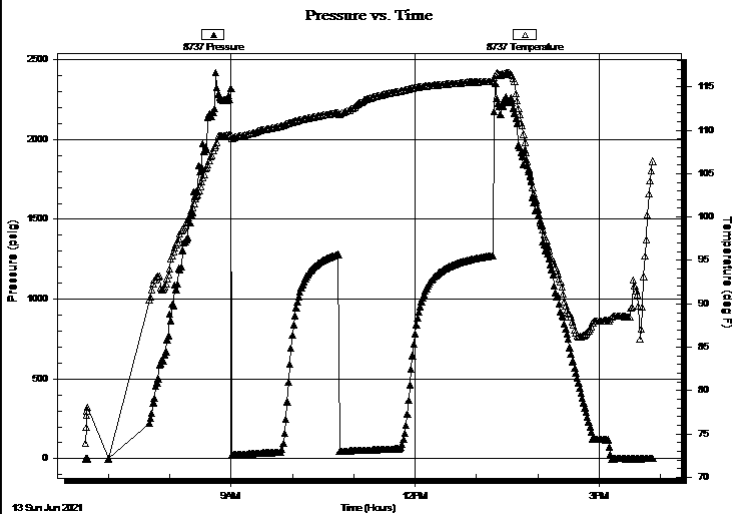
GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:00:57
 Time Test Ended: 15:52:27
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 68
 Interval: **4699.00 ft (KB) To 4745.00 ft (KB) (TVD)**
 Reference Elevations: 2452.00 ft (KB)
 Total Depth: 4745.00 ft (KB) (TVD) 2447.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 4700.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.06.13 End Date: 2021.06.13 Last Calib.: 2021.06.13
 Start Time: 06:37:38 End Time: 15:52:48 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak-Fair Blow . Built to 4.07". (45)
 IS: No Blow . (60)
 FF: Weak-Fair Blow . Built to 4.10". (60)
 FS: No Blow . (90)



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
95.00	GVSOCM 5%g 5%o 90%m	1.33
5.00	CO 100%o	0.07
0.00	25" G.I.P. 100%g	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp
200 W Douglas Ave #725
Wichita, Ks. 67202
ATTN: Tom Dudgeon

5-24s-23w Hodgeman Co., Ks.
Borger 1-5
Job Ticket: 67237 **DST#: 2**
Test Start: 2021.06.13 @ 06:37:12

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:	5000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.99 in ³	Gas Cushion Type:		
Resistivity: 5000.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	GVSOCM 5%g 5%o 90%m	1.333
5.00	CO 100%o	0.070
0.00	25" G.I.P. 100%g	0.000

Total Length: 100.00 ft Total Volume: 1.403 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: 25 Feet of Gas In Pipe

Serial #: 8931

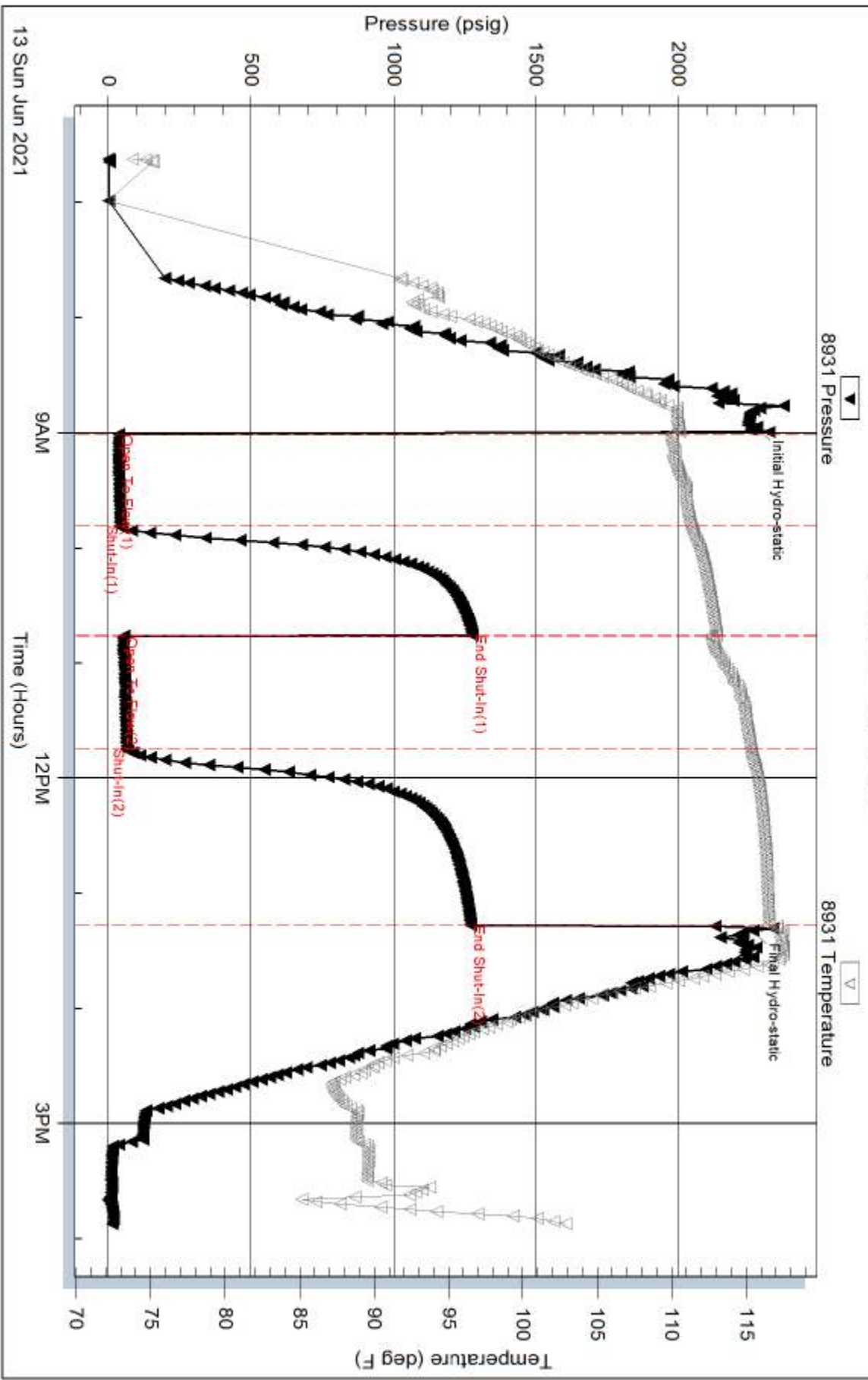
Inside

Vincent Oil Corp

Borger 1-5

DST Test Number: 2

Pressure vs. Time

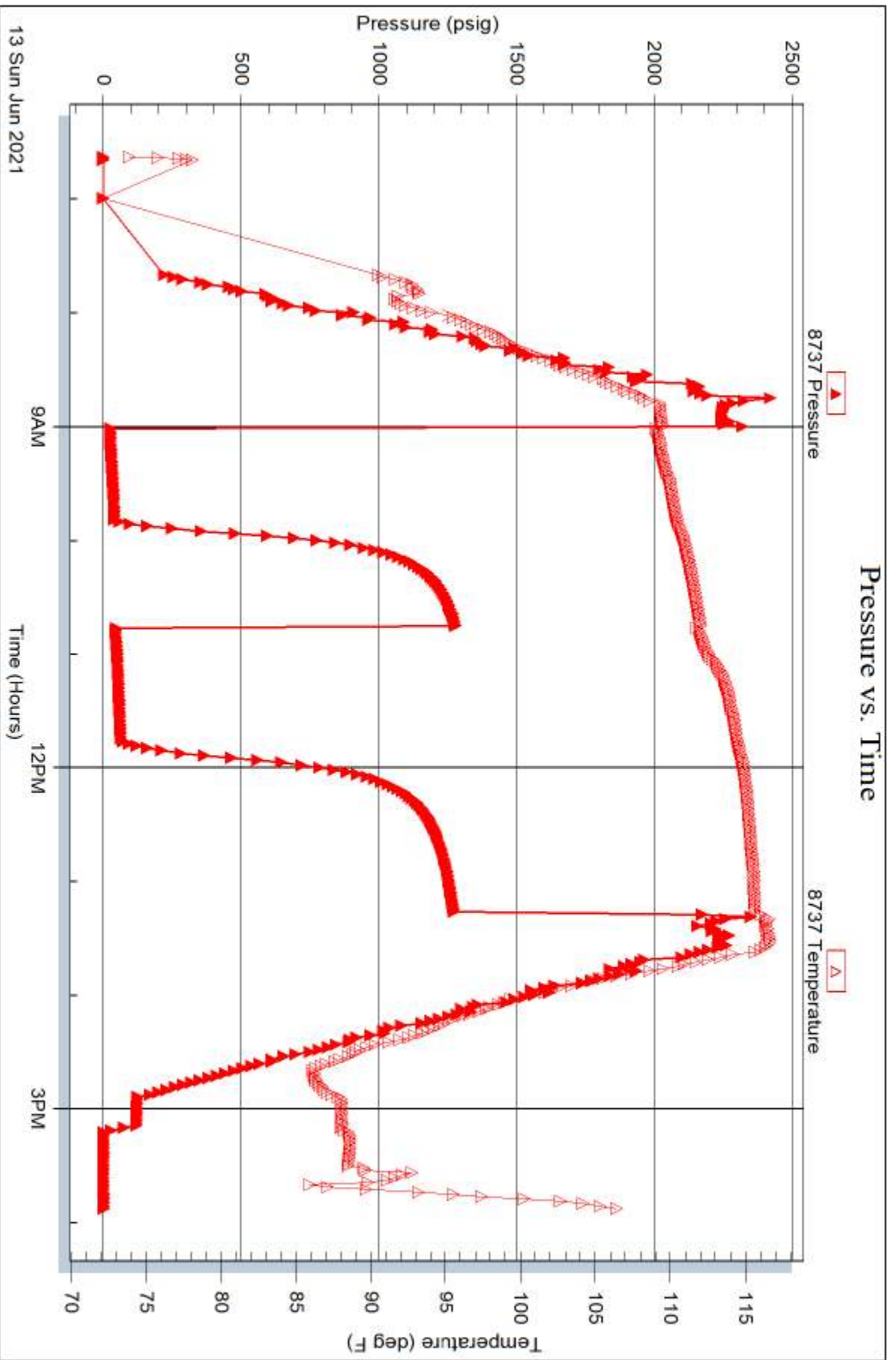


Serial #: 8737

Outside Vincent Oil Corp

Borger 1-5

DST Test Number: 2





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Vincent Oil Corp
 200 W Douglas Ave #725
 Wichita, Ks. 67202
 ATTN: Tom Dudgeon

5-24s-23w Hodgeman Co., Ks.
Borger 1-5
 Job Ticket: 67238 **DST#: 3**
 Test Start: 2021.06.14 @ 06:49:18

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:54:48
 Time Test Ended: 17:15:33
 Interval: **4745.00 ft (KB) To 4753.00 ft (KB) (TVD)**
 Total Depth: 4753.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 68
 Reference Elevations: 2452.00 ft (KB)
 2447.00 ft (CF)
 KB to GR/CF: 5.00 ft

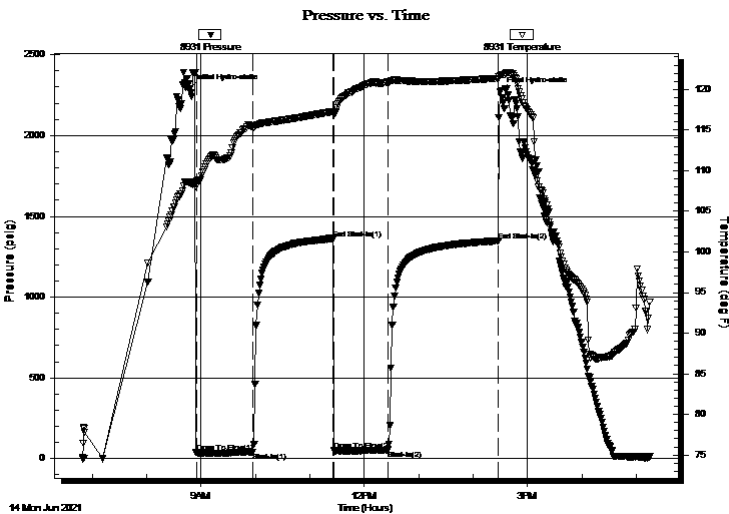
Serial #: 8931

Inside

Press@RunDepth: 53.95 psig @ 4746.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.06.14 End Date: 2021.06.14 Last Calib.: 2021.06.14
 Start Time: 06:49:23 End Time: 17:15:33 Time On Btm: 2021.06.14 @ 08:47:03
 Time Off Btm: 2021.06.14 @ 14:29:33

TEST COMMENT: IF: Weak Blow . Built to 3.55". (60)
 IS: No Blow . (90)
 FF: Weak Blow . Built to 2.73". (60)
 FS: No Blow . (120)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2288.05	108.49	Initial Hydro-static
8	37.04	108.50	Open To Flow (1)
70	40.09	115.39	Shut-In(1)
159	1363.38	117.29	End Shut-In(1)
160	50.05	117.00	Open To Flow (2)
219	53.95	120.90	Shut-In(2)
341	1348.20	121.38	End Shut-In(2)
343	2273.82	121.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	MCW 25% m 75% w	0.90
10.00	W 100% w	0.14

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Vincent Oil Corp
 200 W Douglas Ave #725
 Wichita, Ks. 67202
 ATTN: Tom Dudgeon

5-24s-23w Hodgeman Co., Ks.
Borger 1-5
 Job Ticket: 67238 **DST#: 3**
 Test Start: 2021.06.14 @ 06:49:18

GENERAL INFORMATION:

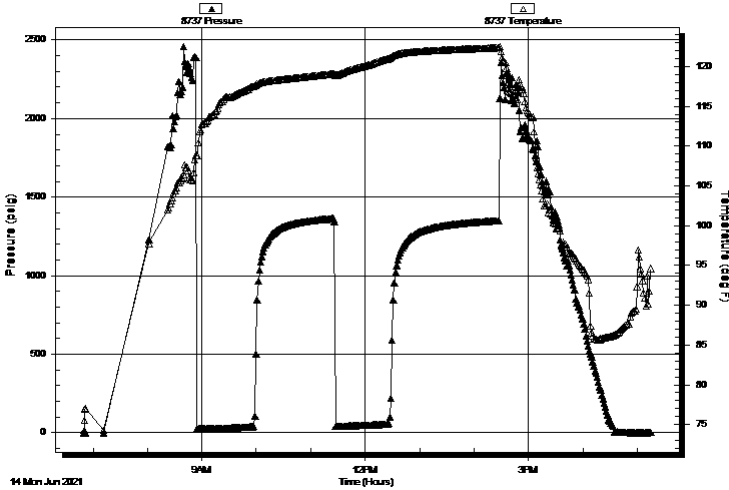
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 08:54:48 Tester: Matt Smith
 Time Test Ended: 17:15:33 Unit No: 68
Interval: 4745.00 ft (KB) To 4753.00 ft (KB) (TVD)
 Total Depth: 4753.00 ft (KB) (TVD) Reference Elevations: 2452.00 ft (KB)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 2447.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8737 Outside

Press@RunDepth: psig @ 4746.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.06.14 End Date: 2021.06.14 Last Calib.: 1899.12.30
 Start Time: 06:49:41 End Time: 17:15:51 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak Blow . Built to 3.55". (60)
 IS: No Blow . (90)
 FF: Weak Blow . Built to 2.73". (60)
 FS: No Blow . (120)

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
64.00	MCW 25% m 75% w	0.90
10.00	W 100% w	0.14

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
200 W Douglas Ave #725
Wichita, Ks. 67202
ATTN: Tom Dudgeon

5-24s-23w Hodgeman Co., Ks.
Borger 1-5
Job Ticket: 67238 **DST#: 3**
Test Start: 2021.06.14 @ 06:49:18

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 3100.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
64.00	MCW 25% _m 75% _w	0.898
10.00	W 100% _w	0.140

Total Length: 74.00 ft Total Volume: 1.038 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None
 Laboratory Name: Laboratory Location:
 Recovery Comments:

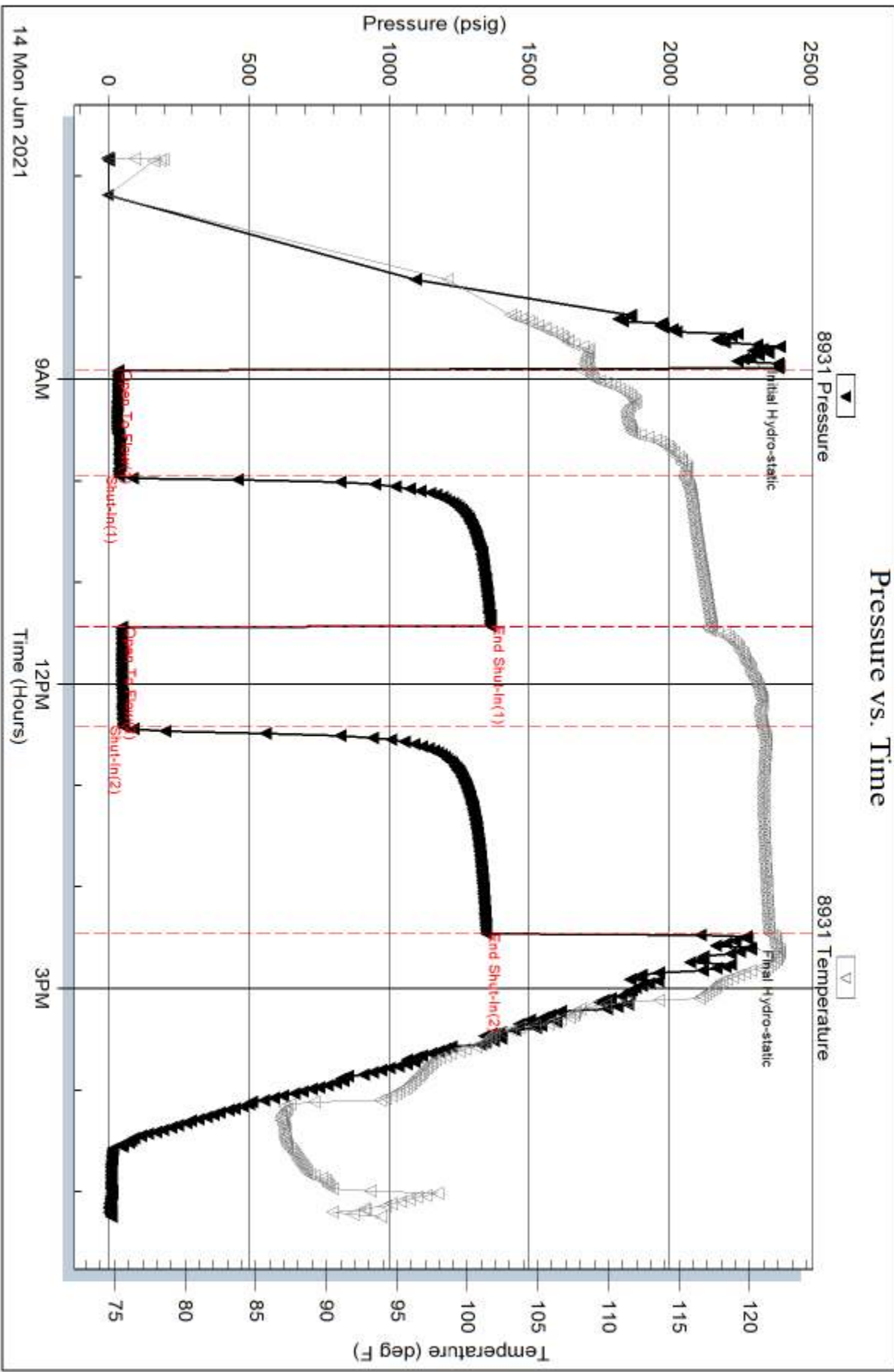
Serial #: 8931

Inside

Vincent Oil Corp

Borger 1-5

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 67238

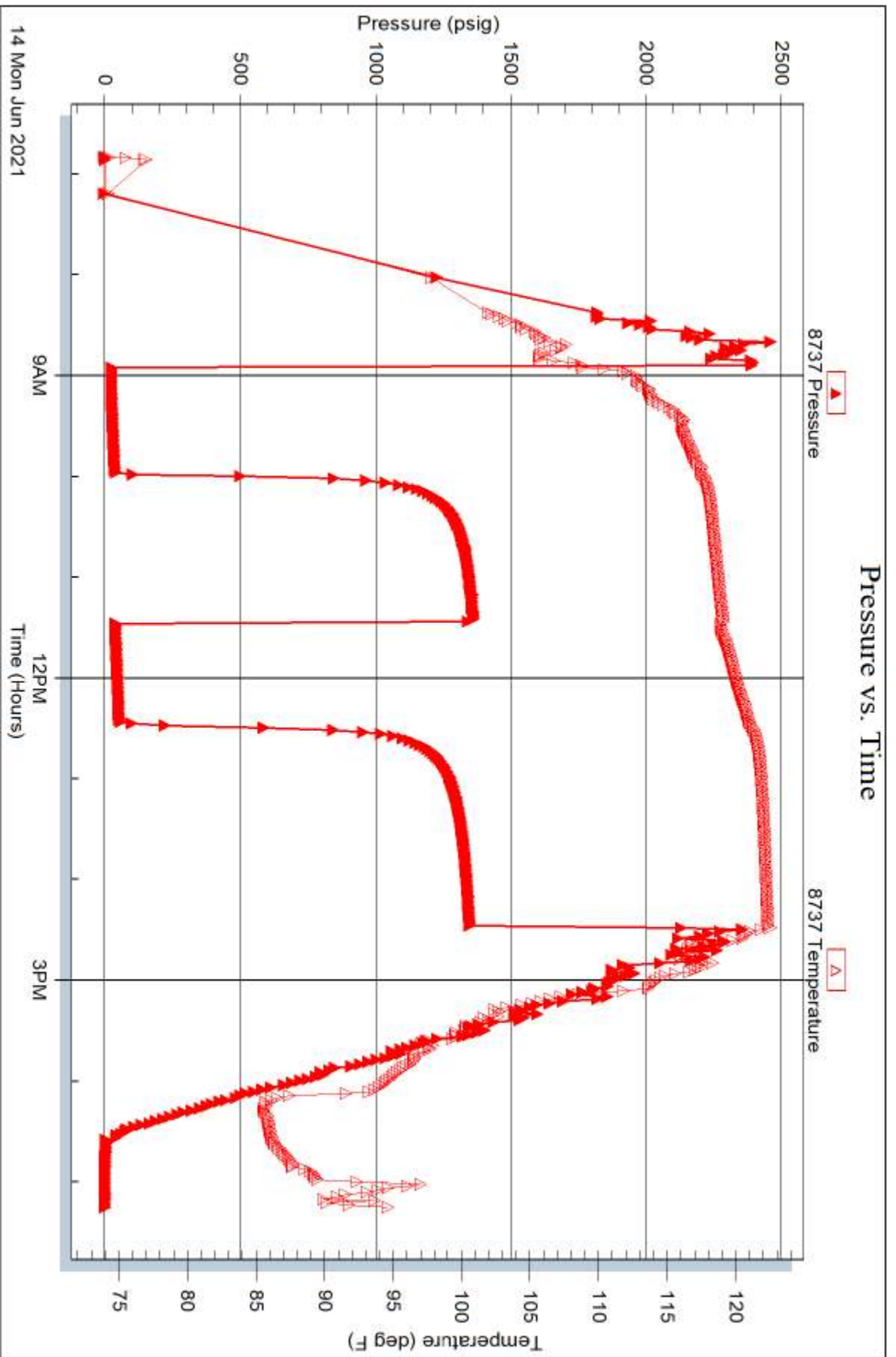
Printed: 2021.06.14 @ 20:32:54

Serial #: 8737

Outside Vincent Oil Corp

Borger 1-5

DST Test Number: 3





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Vincent Oil Corp
 200 W Douglas Ave #725
 Wichita, Ks. 67202
 ATTN: Tom Dudgeon

5-24s-23w Hodgeman Co., Ks.
Borger 1-5
 Job Ticket: 67239 **DST#: 4**
 Test Start: 2021.06.15 @ 03:11:27

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:27:27
 Time Test Ended: 13:18:57
 Interval: **4753.00 ft (KB) To 4790.00 ft (KB) (TVD)**
 Total Depth: 4790.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 68
 Reference Elevations: 2452.00 ft (KB)
 2447.00 ft (CF)
 KB to GR/CF: 5.00 ft

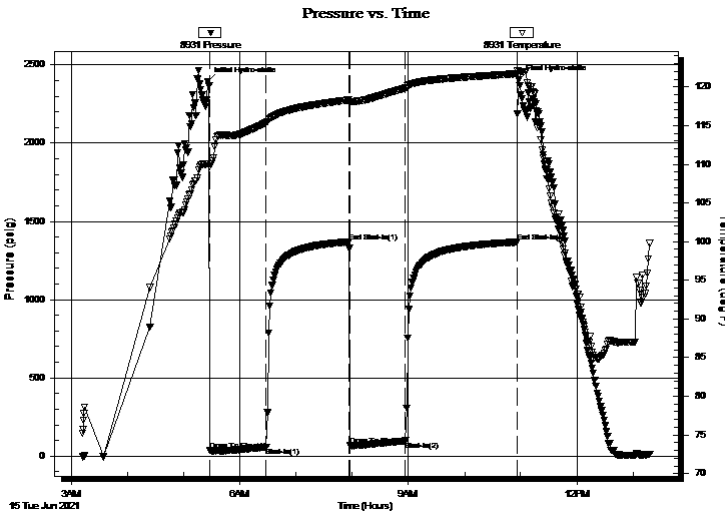
Serial #: 8931

Inside

Press@RunDepth: 97.06 psig @ 4754.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.06.15 End Date: 2021.06.15 Last Calib.: 2021.06.15
 Start Time: 03:11:32 End Time: 13:18:57 Time On Btm: 2021.06.15 @ 05:25:27
 Time Off Btm: 2021.06.15 @ 10:57:57

TEST COMMENT: IF: Fair Blow . Built to 6.94". (60)
 IS: No Blow . (90)
 FF: Fair Blow . Built to 6.41". (60)
 FS: No Blow . (120)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2392.59	110.08	Initial Hydro-static
2	36.78	109.75	Open To Flow (1)
63	57.41	115.40	Shut-In(1)
151	1369.49	118.32	End Shut-In(1)
152	69.72	118.06	Open To Flow (2)
212	97.06	119.85	Shut-In(2)
331	1367.90	121.71	End Shut-In(2)
333	2404.92	121.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	GWCM 1%g 44%w 55%m	0.91
64.00	GMCW 1%g 25%m 74%w	0.90
32.00	GOSWCM 1%g 24%w 75%m	0.45
0.00	64' G.I.P. 100%g	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp
200 W Douglas Ave #725
Wichita, Ks. 67202
ATTN: Tom Dudgeon

5-24s-23w Hodgeman Co., Ks.
Borger 1-5
Job Ticket: 67239 **DST#: 4**
Test Start: 2021.06.15 @ 03:11:27

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:	18000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.79 in ³	Gas Cushion Type:		
Resistivity: 7050.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	GWCM 1%g 44%w 55%m	0.912
64.00	GMCW 1%g 25%m 74%w	0.898
32.00	GOSWCM 1%g 24%w 75%m	0.449
0.00	64' G.I.P. 100%g	0.000

Total Length: 161.00 ft Total Volume: 2.259 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: 64 Feet of Gas in Pipe.

Rw .280 @ 99 Degrees = 18,000 Chlorides.

Serial #: 8931

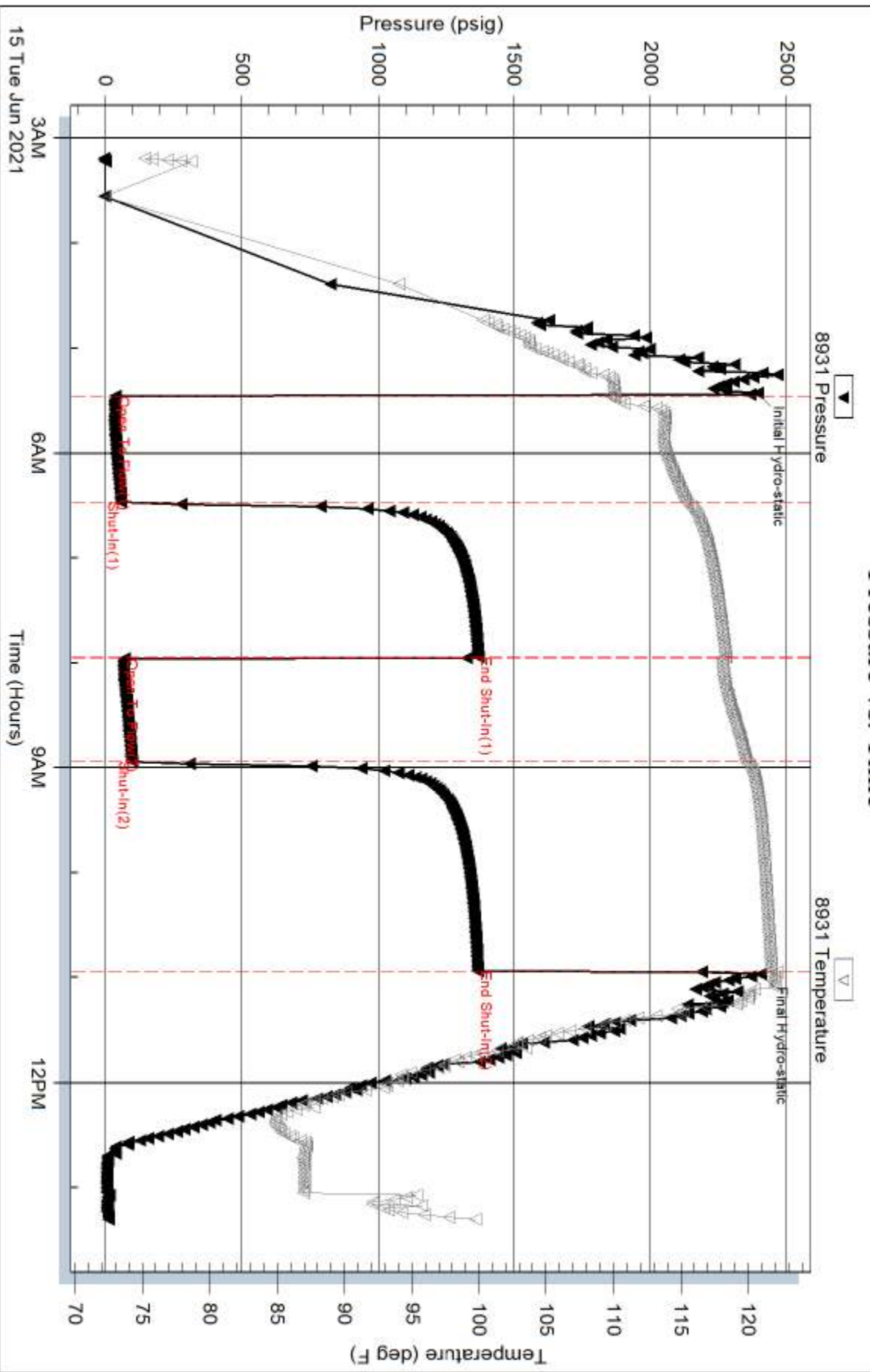
Inside

Vincent Oil Corp

Borger 1-5

DST Test Number: 4

Pressure vs. Time





Scale 1:240 Imperial

Well Name: Borger 1-5
Surface Location: 2310' FNL 2678' FEL 5-24S-23W
Bottom Location:
API: 15-083-21986-0000
License Number: 5004
Spud Date: 6/4/2021 Time: 12:00 PM
Region: MIDCON
Drilling Completed: 6/15/2021 Time: 7:32 PM
Surface Coordinates: 2310' FNL & 2678' FEL
Bottom Hole Coordinates:
Ground Elevation: 5.00ft
K.B. Elevation: 2452.00ft
Logged Interval: 3800.00ft To: 5000.00ft
Total Depth: 4830.00ft
Formation:
Drilling Fluid Type: Chemical Mud

ELEVATIONS

K.B. Elevation: 2452.00ft Ground Elevation: 5.00ft
K.B. to Ground: 2447.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.8718734
Latitude: 37.99436
N/S Co-ord: 2310' FNL
E/W Co-ord: 2678' FEL

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: Borger 1-5
Location: 2310' FNL 2678' FEL 5-24S-23W
API: 15-083-21986-0000
Pool: Wildcat Field:
State: KS Country:

CONTRACTOR

Contractor: LD Drilling
Rig #: 1
Rig Type: Mud Rotary
Spud Date: 6/4/2021 Time: 12:00 PM
TD Date: 6/15/2021 Time: 7:32 PM
Rig Release: 6/16/2021 Time: 10:00 PM

LOGGED BY

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

TOTAL DEPTH

Measurement Type:	Measurement Depth:	TVD:
RTD	4830.00	4834.00
LTD	4834.00	4834.00

DRILLING FLUID SUMMARY

Type	Date	From Depth	To Depth
Chemical Mud	6/7/2021	3496.00ft	4834.00ft

OPEN HOLE LOGS

Logging Company: ELI
 Logging Engineer: Jason Cappellucci
 Truck #: 3802
 Logging Date: 6/15/2021
 # Logs Run: 0
 Time Spent:
 # Logs Run Successful: 0

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
DI	0.00ft	4834.00ft	2.00		1
ND	3850.00ft	4834.00ft	2.00		1
MICRO	3850.00ft	4834.00ft	4.00		2
SONIC	0.00ft	4834.00ft	4.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
6/15/2021	0.00ft	4834.00ft	Logs Ran Successfully

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size	12.25 in		7.88 in		
Hole Size	12.25 in		7.88 in		
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8.625 in	355 ft	23#	8	6/5/2021 7:00 AM
Int Casing					
Prod Casing					

CASING SEQUENCE

Type	Hole Size	Casing Size	At
Surface Casing	12.25 in	8.63	355.00 ft

NOTES**ROCKS CLASSIFIED USING DUNHAM'S CLASSIFICATION**

Mudstone
 a mud-supported carbonate rock containing <10% grains
 Wackestone
 a mud-supported carbonate lithology containing >10% grains
 Packstone
 a grain-supported fabric containing 1% or more mud-grade fraction

REFERENCE WELL:

A	B
Hummon Corp.	J.P. Bowles
Wolf #1	Bradford #1
SW 1/4 NW 1/4	W/2 SE 1/4

STRAIGHT HOLE SURVEY

Degree	Depth
1°	4729

SW-NW-NW
Sec. 5-24S-23W

W/2-SE-NW
Sec. 4-24-23W

SAMPLE TOPS

REF. WELL

ELECTRIC LOG

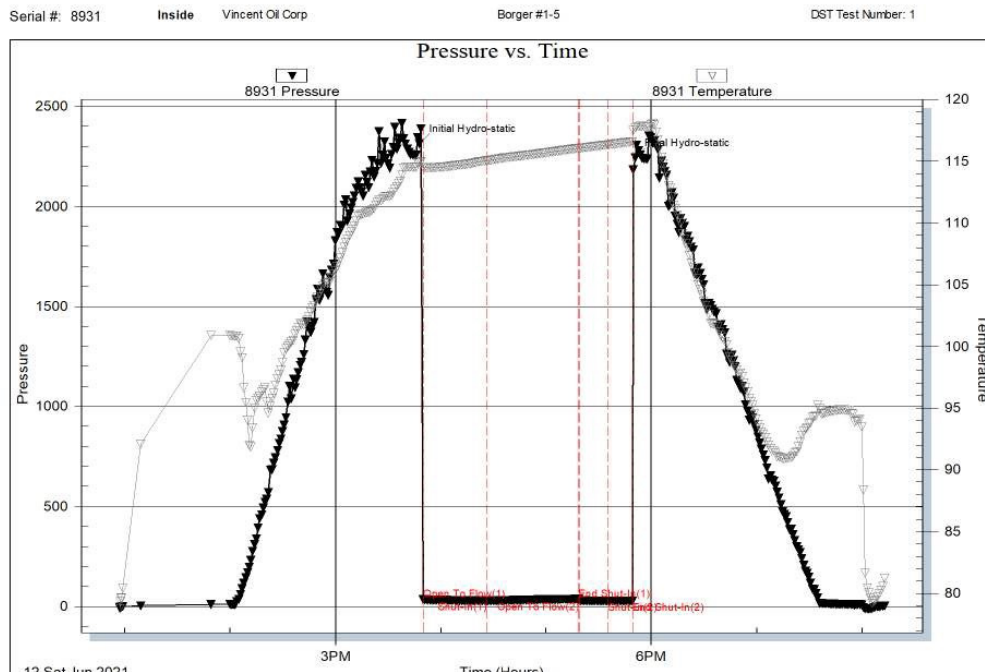
REF. WELL

	A	B		A	B
Anhydrite 1606 (+846)	+6	-1	1604 (+848)	+8	+1
Chase 2538 (-86)	+4	-2	2538 (-86)	+4	-2
Stotler 3423 (-969)	+13	+18	3439 (-987)	-5	Flt
Heebner Shale 4006 (-1554)	+3	+9	4009 (-1557)	Flt	+6
Brown Limestone 4086 (-1634)	+4	+13	4090 (-1638)	Flt	+9
Lansing 4096 (-1644)	+3	+12	4098 (-1646)	+1	+10
Stark Shale 4374 (-1922)	+3	+10	4778 (-1926)	-1	+6
Hushpuckney Shale 4410 (-1958)	+2	+11	4415 (-1963)	-3	+6
Pawnee 4575 (-2123)	-4	+7	4574 (-2122)	-3	+8
Cherokee Shale 4628 (-2176)	-5	+9	4630 (-2178)	-7	+9
Base Penn Limestone 4711 (-2259)	-1	+13	4714 (-2262)	-4	+10
Mississippian 4731 (-2279)	-2	+20	4734 (-2282)	-5	+17
RTD 4830 (-2378)			LTD 4834 (-2382)		

Drilling Information

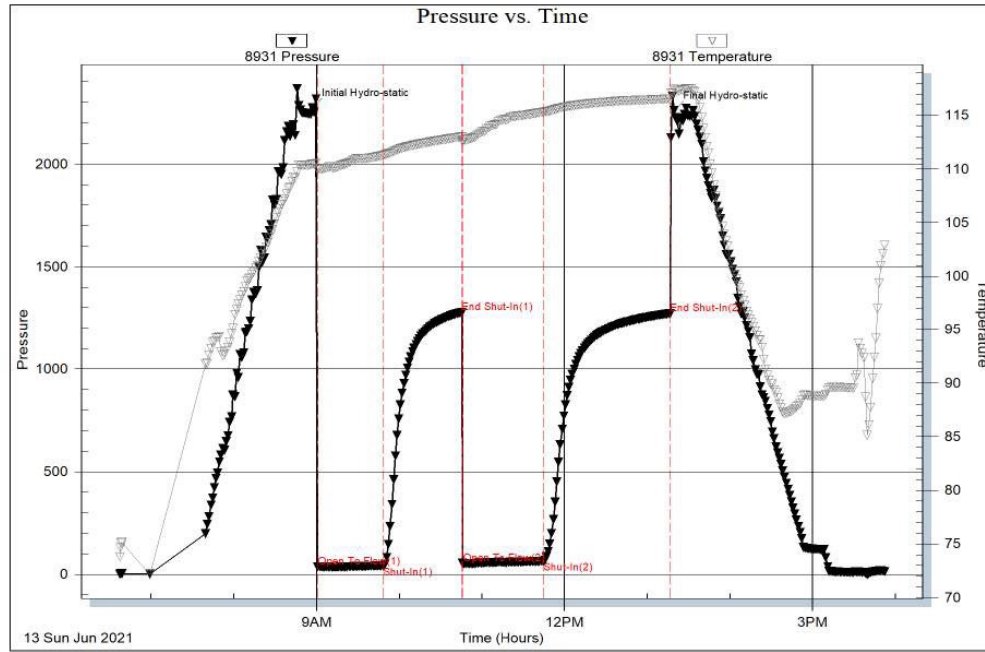
5/10/2021 Moved in rotary tools, shut down for weather (Heavy rain & muddy location),
 6/4/2021 Completed rig up. Spud well in at 12:00 PM 6/4/2021. Drilled 12.25" surface hole to 356', ran 8 joints new 5/8", 23# surface casing. Set at 355' and cemented with 250 sx Common (2% Gel & 3% CC. Plug down at 9:00 PM 6/4/2021.
 6/5/2021 At 356', installing BOP, preparing to drill out from under surface casing.
 6/6/2021 At 1575', working on leaking swivel
 6/7/2021 At 2525' drilling ahead
 6/8/2021 At 3181' drilling ahead
 6/9/2021 At 3640' drilling ahead
 6/10/2021 At 4210' drilling ahead
 6/11/2021 At 4590' Circulating for samples, drilled ahead
 6/12/2021 At 4723, circulating for samples, drilled ahead to 4729', circulated for samples, preparing for DST #1 4699 to 4729 (Penn Conglomerate Chert / Sand)
 Pipe strap .53" Long to the board, no correction made,
 Drilled ahead to 4745', Preparing for DST #2 4699-4745 (Mississippian)
 6/13/2021 At 4745, DST#2 4699' to 4745 (Mississippian) in progress
 Drilled ahead to 4753'
 6/14/2021 At 4753', preparing for DST#3 4745' to 4753' (Mississippian)
 6/15/2021 At 4790', DST #4 4753' to 4790 (Mississippian) in progress
 Drilled ahead to RTD 4830', CTCH, TOOH for electric logs, Ran electric logs (DIL, Density -Neutron, Micro-log and Sonic) Found LTD at 4834'. Logging operations completed at 4:30 AM 6/16/2021, orders given to Plug and Abandon. TIH preparing to LDDP & DC.
 6/16/2021 TOOH, LDDP & DC. Preparing to Plug and Abandon, waiting on cementers, ran in hole with plugging stands, loaded hole with heavy mud and set cement plugs through drill pipe as follows: 50 sx plug at 1650', 50 sx plug at 810', 50 sx plug at 300', 20 sx plug with wooden plug at 60' to surface. Plugged the rathole with 30 sx. Used a total of 200 sx 60/40 POZ (4% Gel & 1/4# Flo-seal/sx). Plug was down at 10:00 PM 6/16/2021. Cementing by HP Oilfield Services, Cleared the pits and released the rig

DST #1



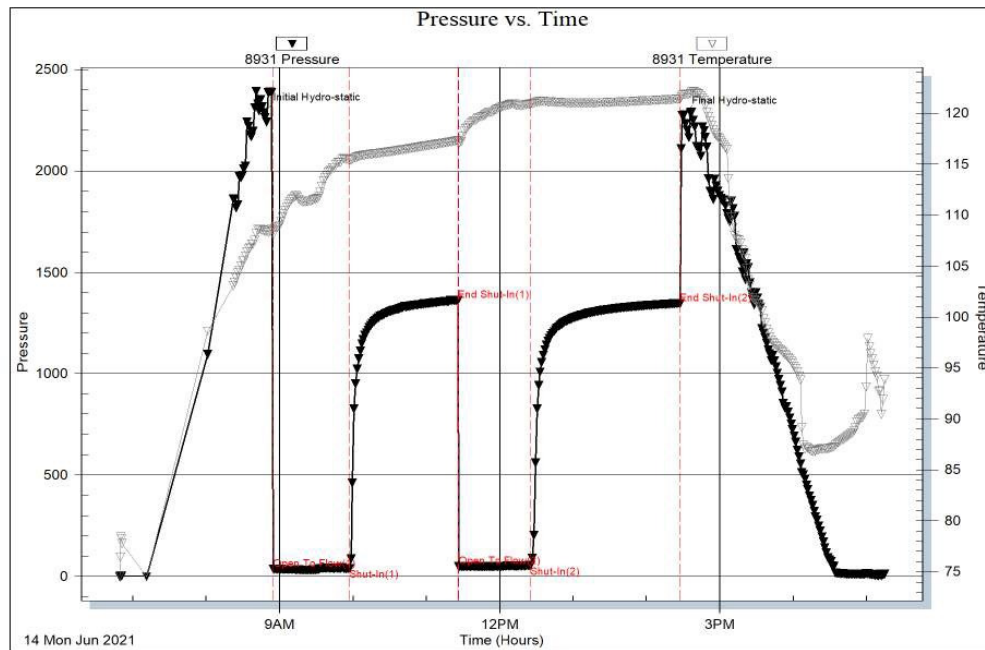
DST #2

Serial #: 8931 Inside Vincent Oil Corp Borger #1-5 DST Test Number: 2



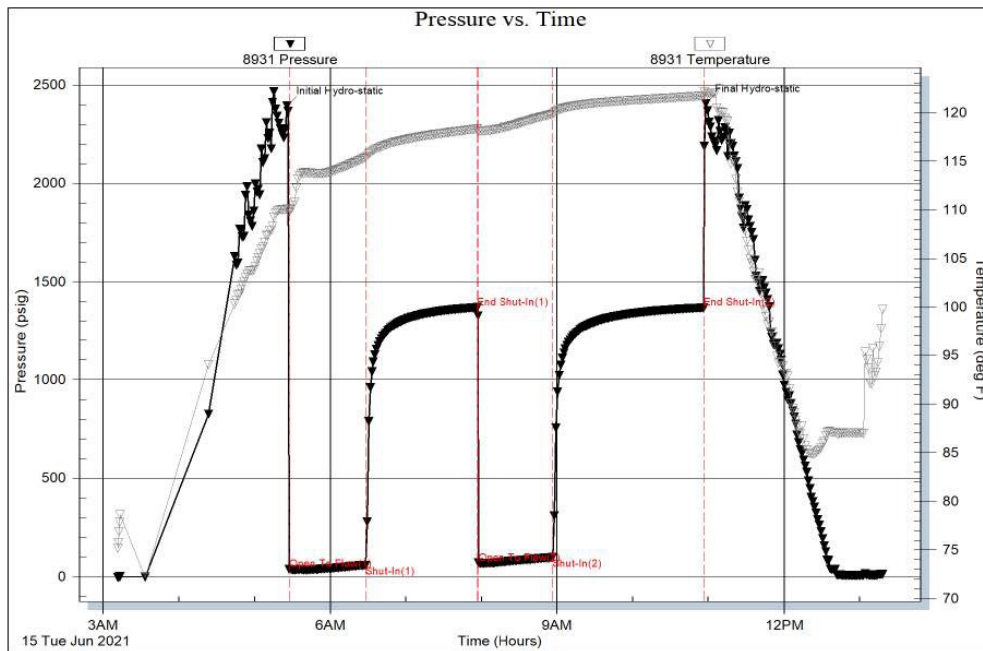
DST #3

Serial #: 8931 Inside Vincent Oil Corp Borger #1-5 DST Test Number: 3



DST #4

Serial #: 8931 Inside Vincent Oil Corp Berger #1-5 DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 67239

Printed: 2021.06.17 @ 17:11:52

ROCK TYPES

Coal	Lmst fw<7	Shgy	Cht vari
Congl	Lmst fw>7	Shblk	Chtcongl
Dolsec	Ss	Shcol	

ACCESSORIES

MINERAL

- Argillaceous
- ⊥ Calcareous
- Carbonaceous Flakes
- ▲ Chert, dark
- Dolomitic
- Ferruginous, grains or pr
- ∞ Glauconite
- Heavy, dark minerals
- P Pyrite
- ⊞ Salt Cast or Infill
- Sandy
- Silty
- ∞ White chert stringer
- ∕ Euhed rhombs of dol or
- △ Chert White
- Argillaceous/Shale

FOSSIL

- ∩ Bioclastic or Fragmental
- Crinoids
- F Fossils < 20%
- φ Oolite

STRINGER

- Sandstone
- Shale

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

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

OIL SHOWS

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

INTERVALS

- Core
- DST

Total Gas (units)

ROP (min/ft)

—

Depth | Intervals
Cored Interval
DST Interval

Porosity Types

Interpreted Lithology

Oil Shows

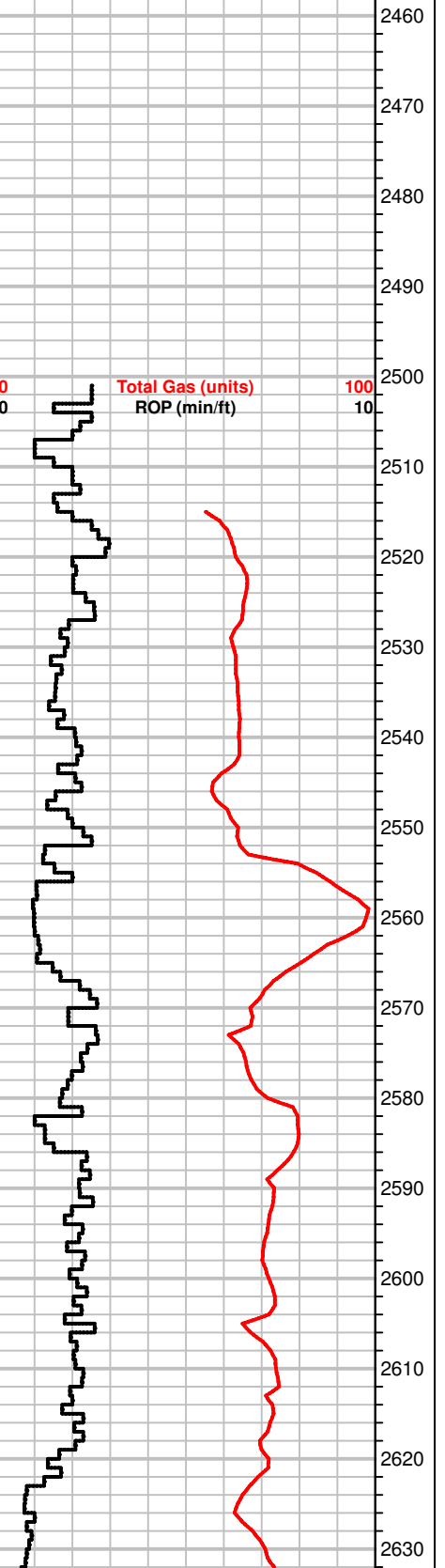
Geological Descriptions

Comment

1:240 Imperial

Total Gas (units)
ROP (min/ft)

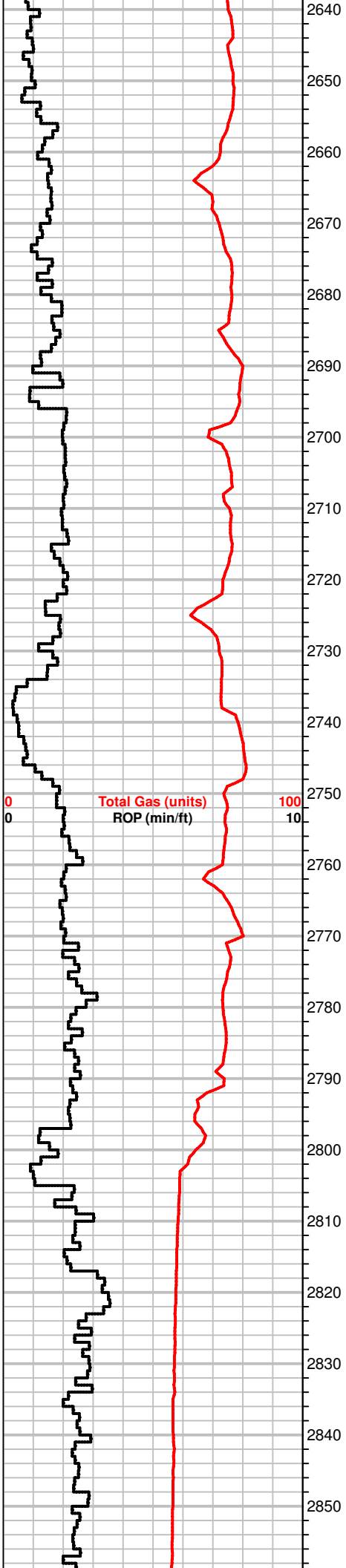
0 100
0 10



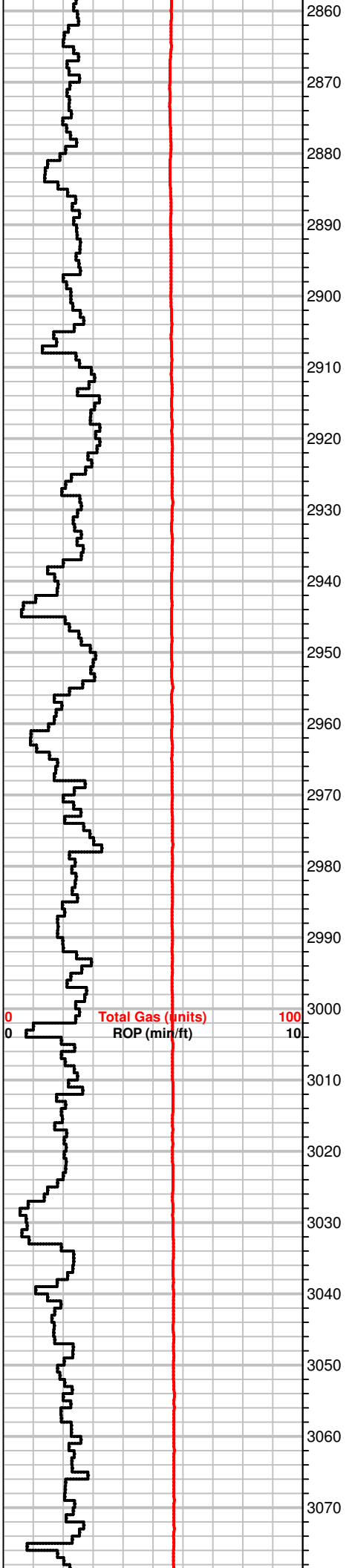
Add premix

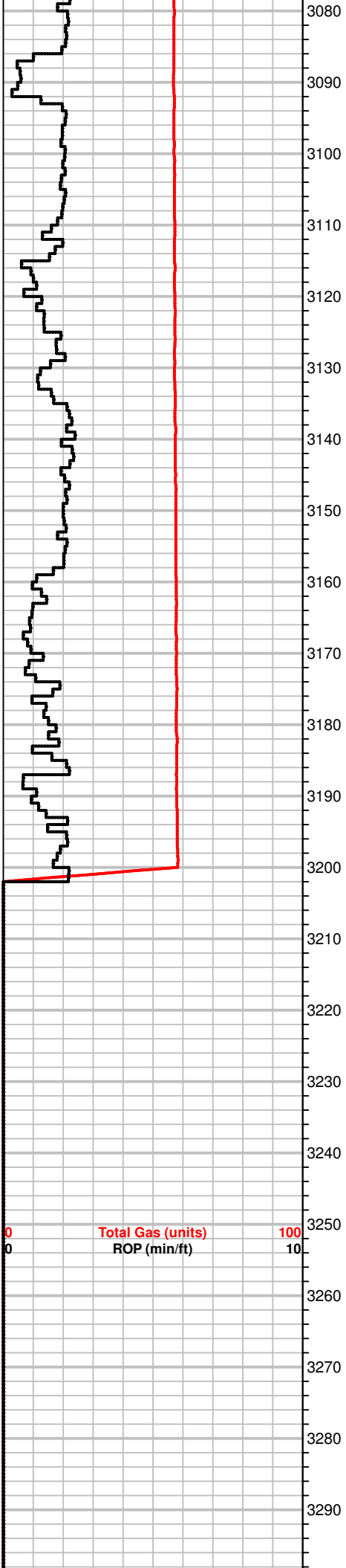
Clean screen

31
9.3
1#



30
9.7+
1/2#



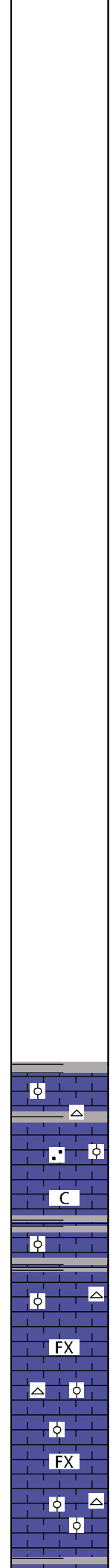
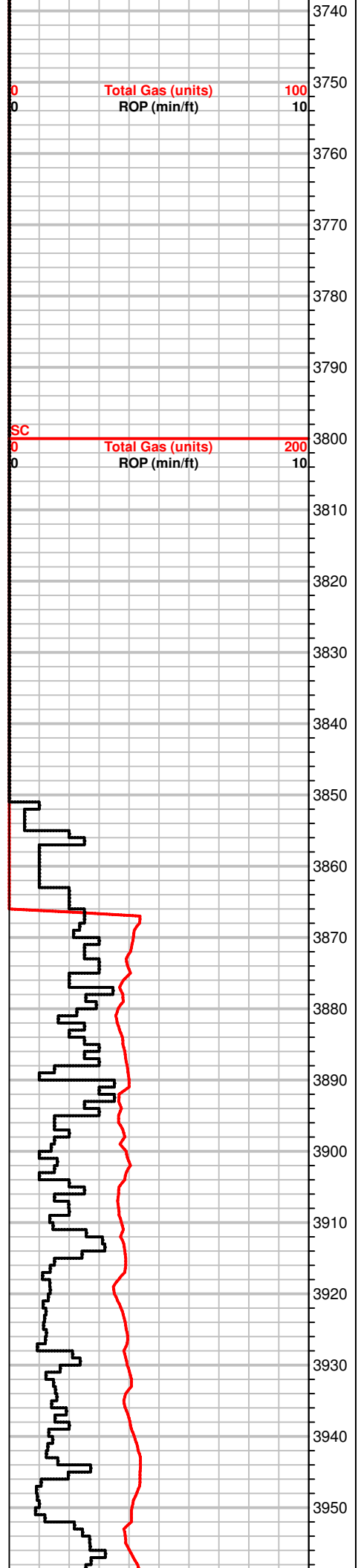


3300
3310
3320
3330
3340
3350
3360
3370
3380
3390
3400
3410
3420
3430
3440
3450
3460
3470
3480
3490
3500
3510

DISPLACE MUD 3496'

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

3520
3530
3540
3550
3560
3570
3580
3590
3600
3610
3620
3630
3640
3650
3660
3670
3680
3690
3700
3710
3720
3730



SH, gray to blk, MS-WS, crm to tan, hard to brittle, f-xln to m-xln, silty to granular, some pcs dense, fossils(ooids,coral), Chert, wht

MS-WS, crm to gray, firm to hard, f-xln, gritty to silty, dull/chalky, some fossil frgmts, some SH, grays

rare SH, blk, gray
MS, crm to tan, firm to soft, f-xln to chalky, oolitic/fossilif pcs scatt, Chert, wht

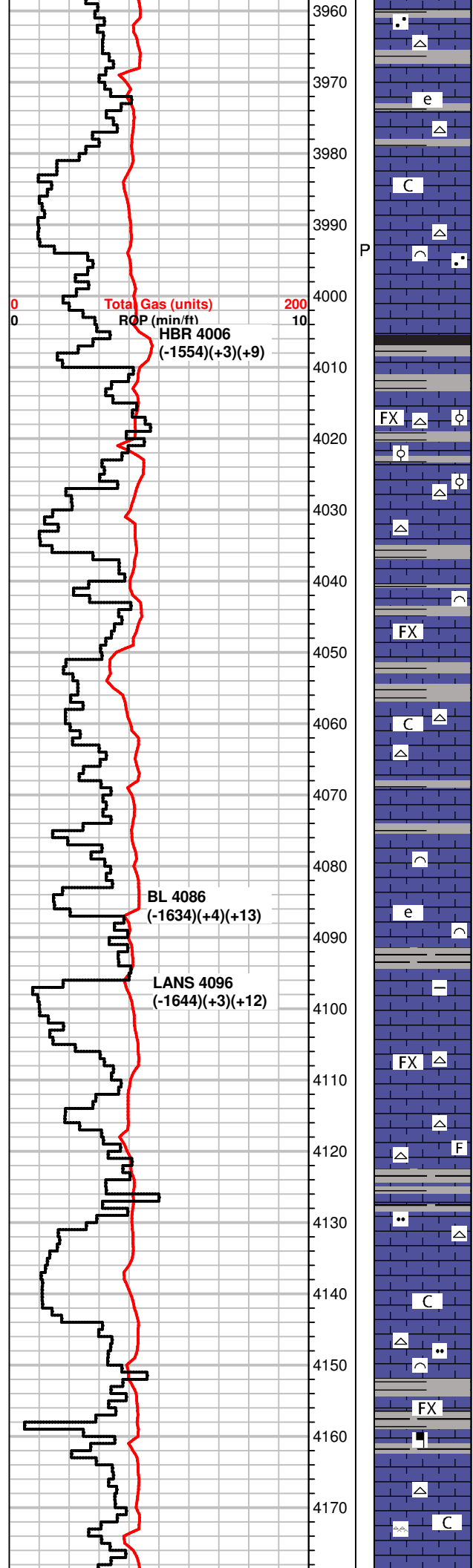
MS-WS, tan to crm, vf-xln to f-xln, hard, gritty pcs, chalky in pt., fossils scatt, rare Chert, wht

WS-MS, crm to tan, f-xln, firm to dense, chalky in pt., some fossilif. oolitic pcs, Chert, opaque, NS, rare SH, grays

MS-WS, crm to tan, f-xln to m-xln, dense, hard, fossilif., oolitic/micro oolitic, min. fluor, NS, Chert, wht, fossils, rare SH, gray

SH, blk, gray, green

GEOLOGIST ON LOCATION @ 3880'



MS, crm to tan, f-xln to mic-xln, fn-gr oolitic/fossilif pcs, gritty in pt., earthy, Chert, gray

SH, gray, silty, pyrite
 MS, crm to gray, f-xln, earthy to dull, f-xln, gritty in pt., hard, fossils, some dense, rare massive pcs. Chert, wht, fossilif. pcs

MS, crm to off wht, f-xln, to vf-xln, chalky to earthy, soft to dense pcs, some fossils, Chert, wht.

MS, tan to crm, f-xln, dense, earthy, fossilif., scatt sandy pcs, rare PP por.

SH, rare blk, grays

MS, gray to crm, f-xln, hard, earthy pcs, some fossil frgmts, dull fluor, NS

SH, blk to gray, pyrite
 MS, brn/tan to rare gray pcs, f-xln, dense, hard, some fossilif., micro oolitic, Cherty pcs, NS

MS, crm to tan, earthy to massive, some pcs f-xln, hard, rare fossils, barren, Chert, wht

MS-WS, crm to tan, some brn, firm to dense, earthy to chalky pcs, some micro oolitic, SH, scatt blk, gray

SH, gray, green, MS, crm to tan, f-xln, dense, earthy, scatt fossils, NS, calcite

SH, gray to dk. gray, green, silty in pt.
 MS, crm to tan, vf-xln to f-xln, chalky in pt., massive pcs scatt, calcite, some Chert, wht

MS-WS, brn to crm, f-xln, hard, fossils, chalky in pt., SH, brn, green, gray, silty

WS-MS, brn to Influx crm, f-xln to m-xln, earthy, dull, hard, chalky in pt., scatt fossils, NS, rare SH, grays

MS, off wht to crm, rare brn pcs, firm to dense, f-xln, earthy to massive, fossils, some pcs sub oolitic

SH, grays, MS-WS, crm to tan, gray, f-xln, some massive, firm to dense, some fossils, rare chalky pcs, shaly in pt.

influx MS, crm to off wht, f-xln, firm to hard, friable, silky to chalky, fossilif. pcs, Chert, wht, rare SH, grays

MS, cro to off wht, f- to vf-xln, massive pcs, rare chalky, fossils, Chert, tan, wht

SH, dk. gray to gray, silty to limey in pt., MS, crm, f-xln, hard, chalky, barren, NS

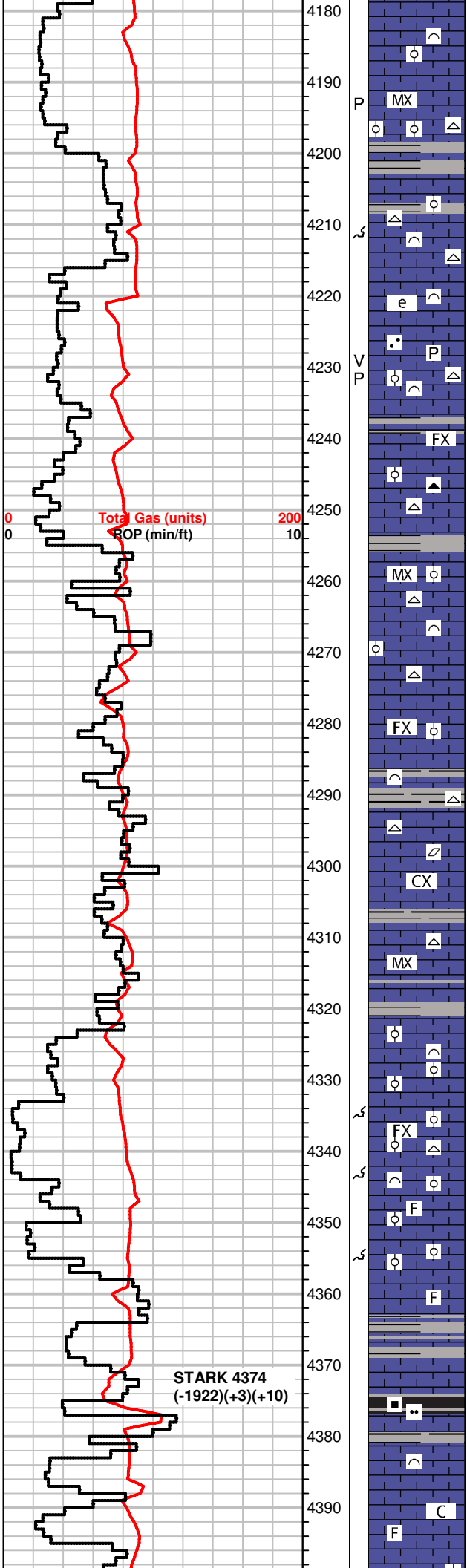
MS, crm to lt. gray, f-xln, earthy to chalky, dense pcs scatt, rare fossils, NS, Chert, wht

MS-WS, gray to crm, f-xln to m-xln, hard to friable, fossilif., chalky in pt., Chert, wht, SH, dk. gray, grays, silty

WS-MS, brn to gray, m-xln, dense, hard, fossils, mineral specs, massive to earthy, SH, blk, grays

Influx, MS, off wht to crm, m-xln to f-xln sub oolitic in chalky mtrx, dense, hard, fossilif., Chert, wht

rare SH, gray. MS, crm to tan. lt. gray, f-xln to chalky, firm to hard.



fossils, cherty pcs, NS

MS, A.A., crm to tan, f-xln, firm to hard, fossils, SH, green to gray

WS, gray to crm, m-xln to mic-xln, dense, some massive pcs, fossilif. pcs, oolitic, calcite, min. fluor, PP por., Chert, wht, rare SH, gray, green

MS, crm to off wht, massive, dull to silky, hard, barren, some cherty, rare sub oolitic pcs, Chert, tan, wht, moldic por.

MS-WS, crm to tan, brn, f-xln, dense, hard to firm, some fossilif pcs, most earthy, dull fluor, NS, SH, green

WS-MS, scrms to tan, some brn pcs, A.A., f-xln, firm to hard, fossilif, sandy pcs, some massive, pyrite, calcite, PP to rare vuggy por. Chert, wht, fossils, SH, grays

rare SH, blk, dk. gray, MS-WS, crm to lt. gray, f-xln to mic-xln, hard, granular, sub oolitic, rare fossils, Chert, wht, gray

WS-MS, crm to tan, waxy to silky looking, massive, dense, rare fossils, NS, Chert, wht, gray, fossils

SH, gray, brn, WS-MS, lt. gray to crm, some tan, f-xln to mic-xln, dense, hard, some pcs friable, sub oolitic, min. fluor, NS, Chert, wht, lt. gray

rare SH, blk to dk. gray, WS-MS, brn to gray, some crm, f-xln to mic-xln, firm/hard, fossilif., cherty pcs, some calcite, pyrite, NS

MS-WS, crm to lt. gray, lesser brn pcs, f-xln to chalky, firm, some cherty, scatt fossils, sandy in pt., dull fluor, NS

MS, crm to off wht, hard to firm, dense, waxy looking, some fossils, Chert, wht, SH, dk. gray, grays, green

MS-WS, crm to brn, f-xln to chalky, firm to hard, rare foram fossils, scatt. glauc/calcite, some pcs massive, dense, NS

scatt SH, blk, green, MS, crm, f-xln, firm, fossilif., chalky, Chert, wht, NS

MS, crm, tan, lt. gray, f-xln to mic-xln, dense, massive, rare chalky pcs, scatt SH, dk. gray to gray, green

MS-WS, tan to brn, crm, f-xln to massive pcs, hard, dense, NS some SH, grays, green

WS-PS, crm to tan, f-xln, hard to firm, fn to m-gr oolitic/moldic pcs, scatt massive pcs, moldic por., inter-ool. por., Chert, tan

WS-PS, crm to tan, off wht, f-xln, hard, oolitic pcs, dense, some moldic, lesser amt., fossils, dull fluor, NS, moldic por.

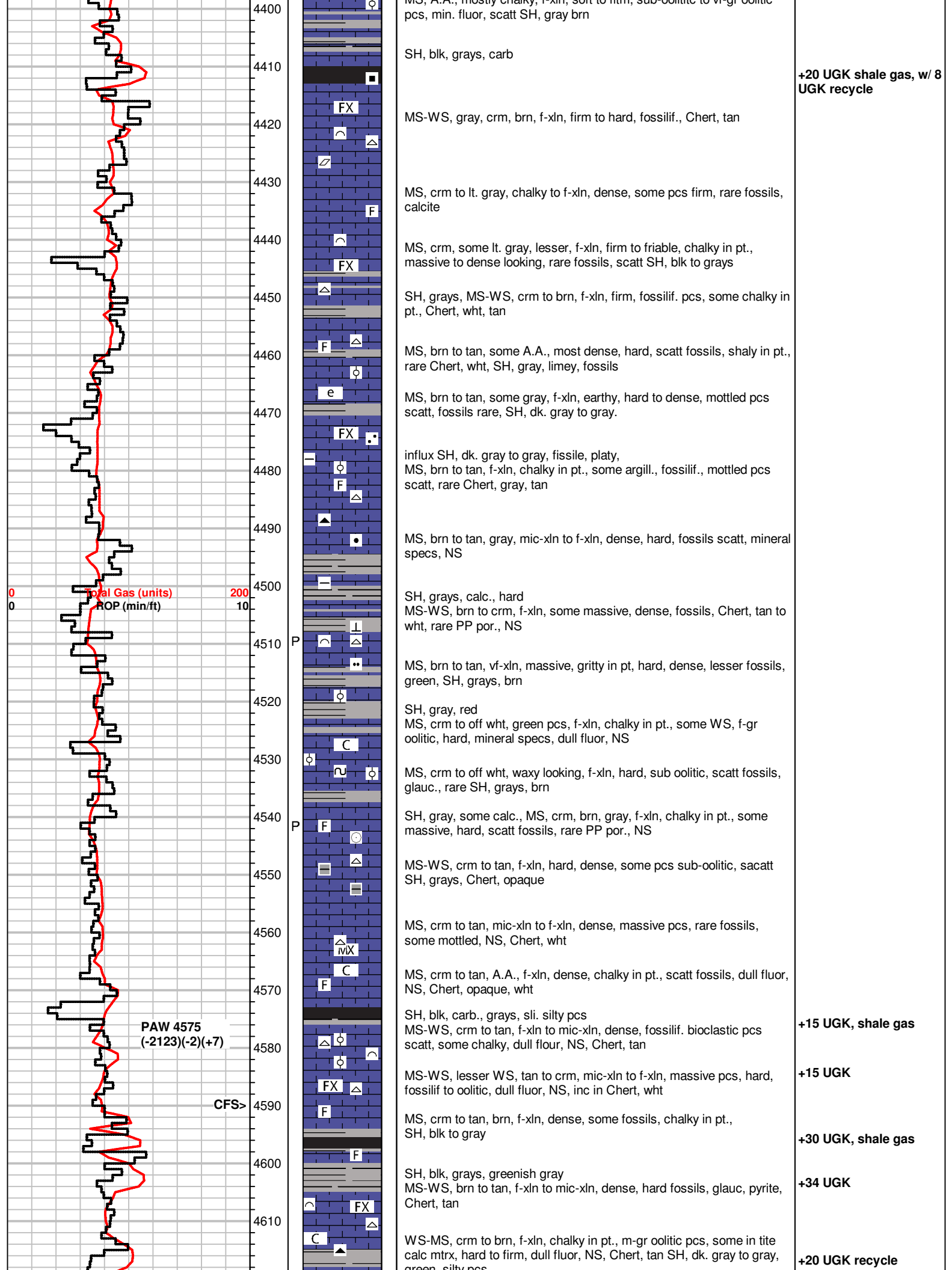
MS-WS, some PS, tan to crm, f-xln to chalky, soft to hard pcs, fossilif., some oolitic, SH, gray to green

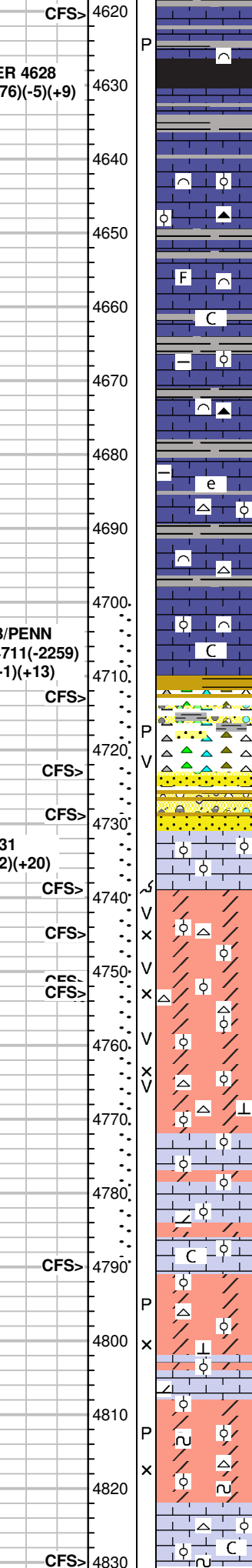
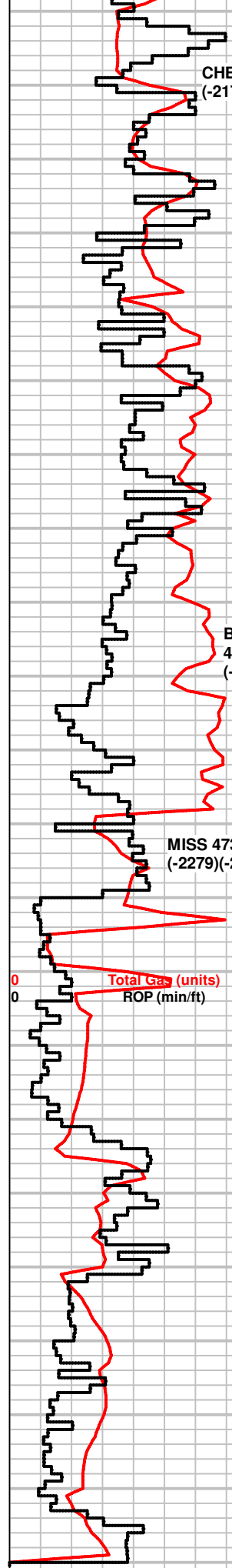
SH, blk, grays, carb.
MS, crm, f-xln, chalky, some dense, hard, rare fossils, NS

MS, crm to off wht, gray, f-xln to granular, sucrosic txt, firm to hard, scatt fossils, some pcs chalky, mineral fluor, NS

MS, A.A., mostly chalky, f-xln, soft to firm, sub-oolitic to vf-gr oolitic

**+25 UGK shale gas
+7 UGK recycle**





green, silty pcs
 MS, crm to tan, f-xln, dense, hard, fossilif in pt., NS, PP Por. SH, blk, carb., grays, silty, hard
 MS, off wht to crm, f-xln to massive, dense, scatt fossils, NS carrying SH, grays, blk
 MS-WS, crm to brn, f-xln to mic-xln, hard/dense, fossilif, f to m-gr oolitic pcs, Chert, brn,
 SH, grays to dk. gray
 MS, brn to crm, f-xln to massive, mic-xln, dense, fossils, some pcs argill., dull fluor, NS
 MS, crm to lt. gray, f-xln, partly chalky, hard, mottled pcs, scatt fossils, shaly in pt., scatt SH, blk
 MS, brn to crm, f-xln, chalky pcs, hard to dense, some fossilif., Chert, brn, SH, green, dk. gray to gray
 MS-WS, brn to tan, f-xln, dense, hard, some chalky to earthy, fossilif., NS, SH, gray, brn, blk
 MS, lt. gray to tan, crm, f-xln, hard, lesser fossils, Cherty in pt., NS, SH, grays, maroon, sandy pcs
 MS, off wht to crm, brn, f-xln, chalky, some pcs massive, hard to firm, fossilif., Cherty
 MS-off white to brn, f-xln, sub oolitic, hard, chalky pcs, rare brn stn, rare bri. spty fluor, resid. cut to strmg cut
 MS, tan to crm, f-xln, dense, fossilif., SH, varicolored, Chert, yellow to off wht, fresh, some calcite, dead asphaltic stn,
 Chert, mostly yellow, wht, maroon, green, fossilif, dk. asphaltic stn, inst, strmg cut, fair odor, PP to Vuggy Por. rare SS clusters, f-gr, wht, friable, angular, NS
 Chert, varicolored, fossilif., fair odor, heavy stn, inst cut, rare SS clusters, opaque, vf-gr to m-gr, poor sorted, hard, sptd heavy oil stn, live brn oil when broken, inst cut.
 WS-PS, crm to brn, f-xln, dense, oolitic
 Dolo, crm to brn, m to co-xln, granular, hard, cherty, vuggy to moldic, fossils, strong odor, live bleeding oil, brn oil in tray, oil stn, inst cut to strmg cut on break, brn stn to sat. in dry, moldic to vuggy por.
 Dolo, crm to lt. gray, f-xln, hard to firm, fossilif., less cherty, becoming vf-xln, sucrosic, good odor, scatt bright flour, spotty stn, rare strmg cut, most pcs slow milky cut, no stn to partial stn. in dry, vuggy to int-xln por.
 Dolo, crm to lt. gray, f-xln/sucrosic to m-xln, hard, fossilif, glauc., fair to good odor, mineral to bright fluor, slow milky cut, scatt pcs w/ live oil on break, scatt partial to even stn dry, good vuggy to int-xln por.
 WS-PS, off wht to crm, f-xln to chalky, m-gr oolitic, soft to firm, dull fluor, NS
 WS-PS, crm to off wht, brn, f-xln, chalky in pt., hard to birttle, sli. dolomitic, m-gr oolitic, Chert frgmts, wht
 Dolo, brm to gray, f-xln to vf-xln, sugary/fn-sucrosic txt, hard, cherty pcs, fossilif/oolitic, dull fluor, NS, PP to int-xln por.
 PS-WS, crm to off wht, m-gr oolitic, hard, chalky in pt., NS
 Dolo, lt. gray to crm, vf-xln to f-xln, hard, fossilif/m-gr oolitic, cherty pcs, glauc specs, dull fluor, NS, PP to int-xln por.
 Dolo, crm to lt. gray, f-xln, sugary txt in pt., most vf-xln, hard, fossils, glauc
 WS-PS, off wht to crm, brn, f-xln, dolomitic in pt., scatt Chert, wht, NS

Short trip to bit, change drilling line, down 9 hours
 +43 UGK, shale gas
 Shale gas recycle
 DST #1 4699-4729
 30-60-15-10
 WB, 1/4 inch to surf blow
 NBB
 NB, flushed tool, NB
 NBB
 Rec: 2' OSM
 IH 2313#
 IF 35-29#
 ISIP 37#
 FF 30-28#
 FSIP 27#
 FH 2242#
 Temp 114°F
 CL 3,100 ppm
 +20 UGK
 +65 UGK w/
 +20 UGK recycle
 DST #2 4699-4745
 45-60-60-90
 WB to FB bit to 4.07"
 NBB
 WB-FB, bl to 4.10"
 NBB
 25' GIP
 Rec: 5' CO
 95' GVSOCM
 (5g,5o,90m)
 110°F
 IH 2273#
 IF 38-42#
 ISIP 1278#
 FF 53-64#
 FSIP 1272
 FH 2260#
 CL 5,000ppm
 DST #3 4745-4753
 60-90-60-120
 WB bit to 3.55"
 NBB
 WB bit to 2.73"
 NBB
 Rec: 64' MCW(25m,75w)
 10' Water
 IH 2288#
 IF 37-40#
 ISIP 1363#
 FF 50-54#
 FSIP 1348#

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4840
4850
4860
4870
4880
4890
4900
4910
4920
4930
4940

FH 2274#
Temp 108°F
CL 12,000ppm

DST #4 4753-4790
60-90-60-120
FB blt to 6.94"
NBB
FB blt to 6.41"
NBB
63' GIP
Rec: 32' GOSWCM
(1g,75m,24w)
64' GMCW
(1g,25m,74w)
65' GWCM
(1g,55m,44w)
IH 2393#
IF 37-57#
ISIP 1369#
FF 70-97#
FSIP 1368#
FH 2405#
Temp 110°F
API Rw .280 @ 99°F
CL 18,000ppm