

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	ROTZ 2-5
Doc ID	1561597

All Electric Logs Run

Dual Induction
Density - Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	ROTZ 2-5
Doc ID	1561597

Tops

Name	Top	Datum
Heebner Shale	4275	(-1871)
Brown Limestone	4530	(-2026)
Lansing-Kansas City	4540	(-2036)
Stark Sale	4872	(-2368)
Base Kansas City	4086	(-2482)
Pawnee	5080	(-2576)
Base Penn Limestone	5224	(-2720)
Mississippian	5252	(-2748)
RTD	5345	(-2841)
LTD	5350	(-2846)

QUALITY WELL SERVICE, INC.

7536

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			
11-6-20	5	29S	22W	Foss	Ks					
Lease	Rotz		Well No.	2-5				Location	Kingsdown, Ks. 1 N to Wildfire Rd 1E	
Contractor	DUKE DELA RIG #1			Owner	1/2 H Winto					
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.	700'						
Csg.	35/8 23'		Depth	698						
Tbg. Size			Depth							
Tool			Depth							
Cement Left in Csg.			Shoe Joint	42.75						
Meas Line			Displace	41.94						
EQUIPMENT				200 & Common 2 1/2" 3 1/2" 4 1/2" P1						
Pumptrk	8	No.		Common 200 &						
Bulktrk	12	No.		Poz. Mix 125 &						
Bulktrk	15	No.		Gel. 611 "						
Pickup		No.		Calcium 917 "						
JOB SERVICES & REMARKS				Hulls						
Rat Hole				Salt						
Mouse Hole				Flowseal 163 "						
Centralizers				Kol-Seal						
Baskets				Mud CLR 48						
D/V or Port Collar				CFL-117 or CD110 CAF 38						
Run 16 H's 35/8 23" Csg set 7 698'				Sand						
START Csg Csg on Bottom				Handling 349						
Hook up to csg & Break pipe with G				Mileage 60/10470						
START Pumping 10 BBL H2O				85/8 FLOAT EQUIPMENT						
START mix Pump 125 & mac 12 1/4" Gal				Guide Shoe 35/8 Woodrow Plug 1 EA						
START mix Pump 200 & Common 14.8" Gal				Centralizer 35/8 Alum Baffle Plate 1 EA						
SHUT DOWN				Baskets						
Release 35/8 Woodrow Plug				AFU Inserts						
START DISP				Float Shoe						
Plug Down				Latch Down						
Close Valve on Csg 350"				SERVICES SUP						
6000 c.c. thru job				LMV 60						
c.c. CMT TO PIT				Pumptrk Charge SURFACE						
				Mileage 130						
THANK YOU										
PLEASE CALL AGAIN										
Signature Mike Stegler										
				Tax						
				Discount						
				Total Charge						

Quality Well Service, Inc.

Invoice

**PO Box 468
Pratt, KS 67124**

Date	Invoice #
11/19/2020	C-2479

Bill To
Vincent Oil Corporation 200 W. Douglas, Ste. 725 Wichita, KS 67202

P.O. No.	Terms	Lease Name
		Rotz 2-5

Description	Qty	Rate	Amount
Common	102	15.50	1,581.00T
Poz	68	9.50	646.00T
Gel	585	0.22	128.70T
Plug/Pump Charge	1	950.00	950.00T
Handling	176	2.10	369.60T
.08 * sacks * miles	10,560	0.08	844.80T
Service Supervisor	1	150.00	150.00T
LMV	60	3.75	225.00T
Heavy Equipment Mileage	120	8.00	960.00T
Customer Discount		-2,049.29	-2,049.29
Discount Expires after 30 days from the date of the invoice		0.00	0.00
Rotz 2-5			
Ford Co			
Thank You for your business!		Subtotal	\$3,805.81
		Sales Tax (7.65%)	\$291.14
		Total	\$4,096.95

QUALITY WELL SERVICE, INC.

7549

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
11-17-20	5	29S	22W	Ford	Ks		
Lease	Well No.		Location				
R22	25		Kingsdown Ks 1E 1/3 U lands				
Contractor	Owner						
Dale Dale R.G. #1	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.			
Type Job	T.D.			Charge To			
PTA	5345			Vincent O.L Corp			
Hole Size	Depth			Street			
7 7/8							
Csg.	Depth			City			
				State			
Tbg. Size	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
4 1/2 DP							
Tool	Displace			Cement Amount Ordered			
				170 g 60/40 4/62			
Cement Left in Csg.	EQUIPMENT						
Meas Line	Pumptrk			Common			
	No.			122 x			
	Bulktrk			Poz. Mix			
	No.			63 x			
	Bulktrk			Gel.			
	No.			585'			
	Pickup			Calcium			
	JOB SERVICES & REMARKS						
	Rat Hole			Hulls			
30 5/8				Salt			
	Mouse Hole			Flowseal			
20 1/4				Kol-Seal			
	Centralizers			Mud CLR 48			
	Baskets			CFL-117 or CD110 CAF 38			
	DV or Port Collar			Sand			
1 st Plug @ 1550'	Handling			Mileage			
50 g 60/40 4/62	7 1/2			60/10500			
Pump H2O (H2O)	FLOAT EQUIPMENT						
1 1/2" Pump 50 g 60/40 4/62	Guide Shoe						
Use 5' H2O	Centralizer						
Disc H2O	Baskets						
200' Plug @ 720'	AFU Inserts						
50 g 60/40 4/62	Float Shoe						
Pump H2O (H2O)	Latch Down						
Disc H2O	Service Spool			1 EA			
200' Plug 60' 20 g 60/40 4/62	LNU 60'						
	Pumptrk Charge			PTA			
	Mileage			120			
				Tax			
				Discount			
				Total Charge			
X Signature							
Dale Dale							



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

5-29s-22w Ford Co. Ks
Rotz 2-5
 Job Ticket: 66751 **DST#: 1**
 Test Start: 2020.11.14 @ 08:13:51

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:08:36
 Time Test Ended: 15:58:21
 Interval: **5165.00 ft (KB) To 5265.00 ft (KB) (TVD)**
 Total Depth: 5265.00 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: 2504.00 ft (KB)
 2492.00 ft (CF)
 KB to GR/CF: 12.00 ft

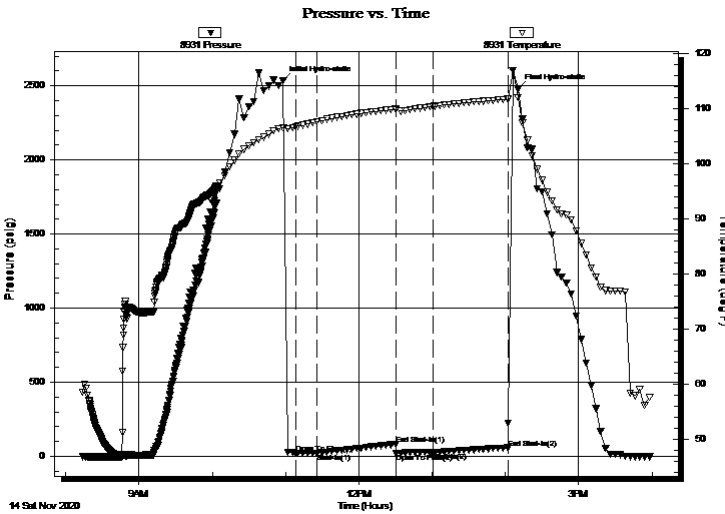
Serial #: 8931

Inside

Press@RunDepth: 25.25 psig @ 5166.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2020.11.14 End Date: 2020.11.14 Last Calib.: 2020.11.14
 Start Time: 08:13:56 End Time: 15:58:20 Time On Btm: 2020.11.14 @ 10:58:06
 Time Off Btm: 2020.11.14 @ 14:10:06

TEST COMMENT: IF: Weak Blow . Built to 3 3/4".
 IS: No Blow .
 FF: Weak Blow . Built to 2.30".
 FS: No Bow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2537.15	106.57	Initial Hydro-static
11	20.38	106.75	Open To Flow (1)
28	21.94	107.59	Shut-In(1)
93	80.71	109.87	End Shut-In(1)
93	20.51	109.83	Open To Flow (2)
123	25.25	110.37	Shut-In(2)
184	56.98	111.68	End Shut-In(2)
192	2479.09	111.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
22.00	GM 1%g 99%m	0.31
0.00	73' G.I.P. 100%g	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

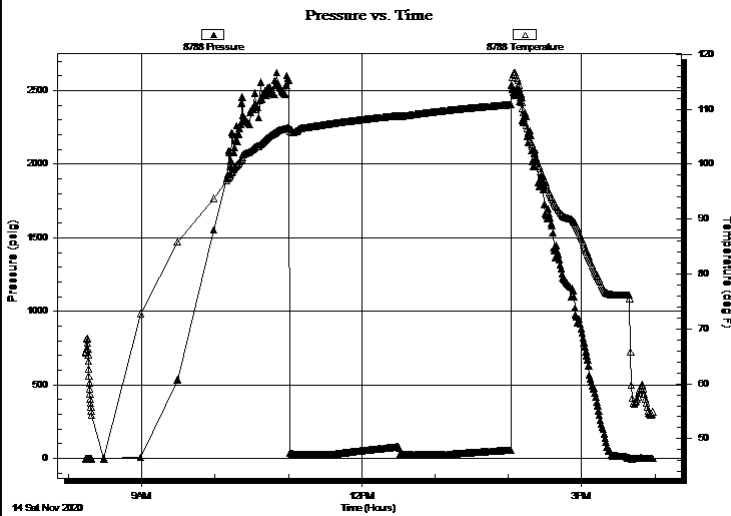
5-29s-22w Ford Co. Ks
Rotz 2-5
 Job Ticket: 66751 **DST#: 1**
 Test Start: 2020.11.14 @ 08:13:51

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:08:36
 Time Test Ended: 15:58:21
 Interval: **5165.00 ft (KB) To 5265.00 ft (KB) (TVD)**
 Total Depth: 5265.00 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: 2504.00 ft (KB)
 2492.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8788 Outside
 Press@RunDepth: psig @ 5166.00 ft (KB)
 Start Date: 2020.11.14 End Date: 2020.11.14
 Start Time: 08:14:01 End Time: 15:58:10
 Capacity: 8000.00 psig
 Last Calib.: 2020.11.14
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak Blow . Built to 3 3/4".
 IS: No Blow .
 FF: Weak Blow . Built to 2.30".
 FS: No Bow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
22.00	GM 1%g 99%m	0.31
0.00	73' G.I.P. 100%g	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

5-29s-22w Ford Co. Ks

200 W Douglas Ave #725
Wichita, Ks. 67202

Rotz 2-5

Job Ticket: 66751

DST#: 1

ATTN: Tom Dungeun

Test Start: 2020.11.14 @ 08:13:51

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:

7400 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 7400.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
22.00	GM 1%g 99%m	0.309
0.00	73' G.I.P. 100%g	0.000

Total Length: 22.00 ft Total Volume: 0.309 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: 73 FT of Gas In Pipe

Serial #: 8931

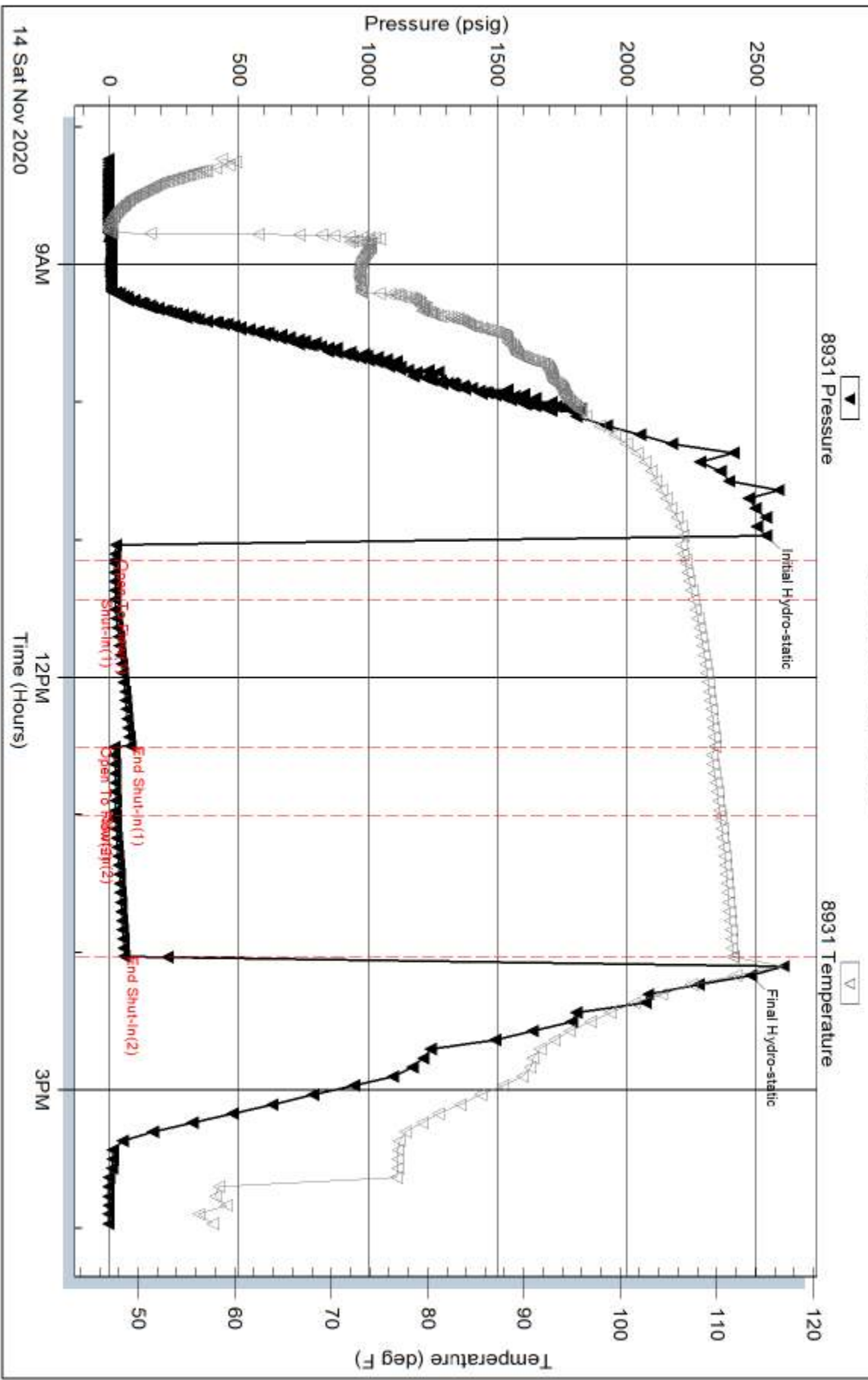
Inside

Vincent Oil Corporation

Rotz 2-5

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 66751

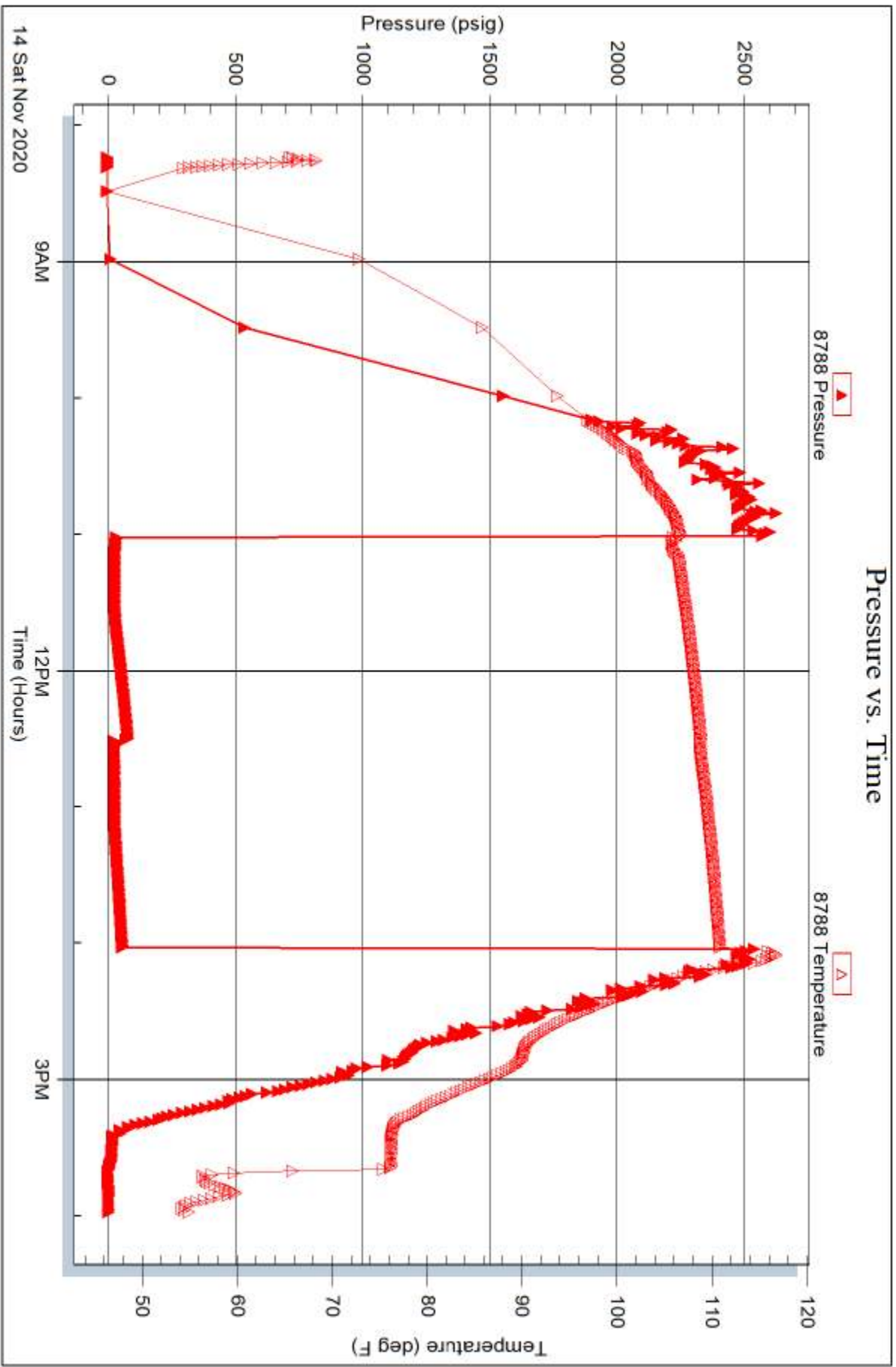
Printed: 2020.11.14 @ 16:38:46

Serial #: 8788

Outside Vincent Oil Corporation

Rotz 2-5

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66751

Printed: 2020.11.14 @ 16:38:46



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

5-29s-22w Ford Co. Ks
Rotz 2-5
Job Ticket: 66752 **DST#: 2**
Test Start: 2020.11.14 @ 23:41:50

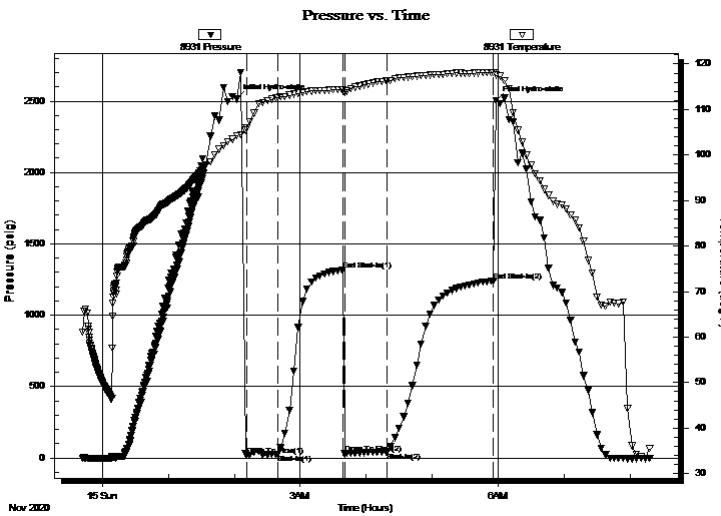
GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:10:50
Time Test Ended: 08:18:50
Interval: **5265.00 ft (KB) To 5280.00 ft (KB) (TVD)**
Total Depth: 5280.00 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: 2504.00 ft (KB)
2492.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8931 Inside
Press@RunDepth: 42.61 psig @ 5266.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2020.11.14 End Date: 2020.11.15 Last Calib.: 2020.11.15
Start Time: 23:41:55 End Time: 08:18:50 Time On Btm: 2020.11.15 @ 02:02:05
Time Off Btm: 2020.11.15 @ 05:58:05

TEST COMMENT: IF: Strong Blow . B.O.B. in 16 mins. Built to 25.89".
IS: No Blow .
FF: Strong Blow . B.O.B. in 2 mins. Built to 49.32".
FS: No Blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2514.51	104.30	Initial Hydro-static
9	16.70	105.87	Open To Flow (1)
38	25.32	112.65	Shut-In(1)
97	1318.53	114.38	End Shut-In(1)
99	29.12	113.68	Open To Flow (2)
137	42.61	116.41	Shut-In(2)
234	1241.37	118.14	End Shut-In(2)
236	2503.74	117.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
58.00	GHOCWM 15%g 33%o 2%w 50%m	0.81
10.00	CO 100%o	0.14
0.00	688' 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

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

5-29s-22w Ford Co. Ks
Rotz 2-5
Job Ticket: 66752 **DST#: 2**
Test Start: 2020.11.14 @ 23:41:50

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 02:10:50 Tester: Matt Smith
Time Test Ended: 08:18:50 Unit No: 68
Interval: 5265.00 ft (KB) To 5280.00 ft (KB) (TVD) Reference Elevations: 2504.00 ft (KB)
Total Depth: 5280.00 ft (KB) (TVD) 2492.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

Serial #: 8788 Outside
Press@RunDepth: psig @ 5266.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2020.11.14 End Date: 2020.11.15 Last Calib.: 2020.11.15
Start Time: 23:42:01 End Time: 08:18:56 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 16 mins. Built to 25.89".
IS: No Blow .
FF: Strong Blow . B.O.B. in 2 mins. Built to 49.32".
FS: No Blow .

PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
58.00	GHOCWM 15%g 33%o 2%w 50%m	0.81
10.00	CO 100%o	0.14
0.00	688' 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 Corporation

5-29s-22w Ford Co. Ks

200 W Douglas Ave #725
Wichita, Ks. 67202

Rotz 2-5

Job Ticket: 66752

DST#: 2

ATTN: Tom Dungeun

Test Start: 2020.11.14 @ 23:41:50

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: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 7400.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
58.00	GHOCWM 15%g 33%o 2%w 50%m	0.814
10.00	CO 100%o	0.140
0.00	688' G.I.P. 100%g	0.000

Total Length: 68.00 ft Total Volume: 0.954 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as 32 @ 48 Degrees. CORRECTED, 33.2 @ 60 Degrees

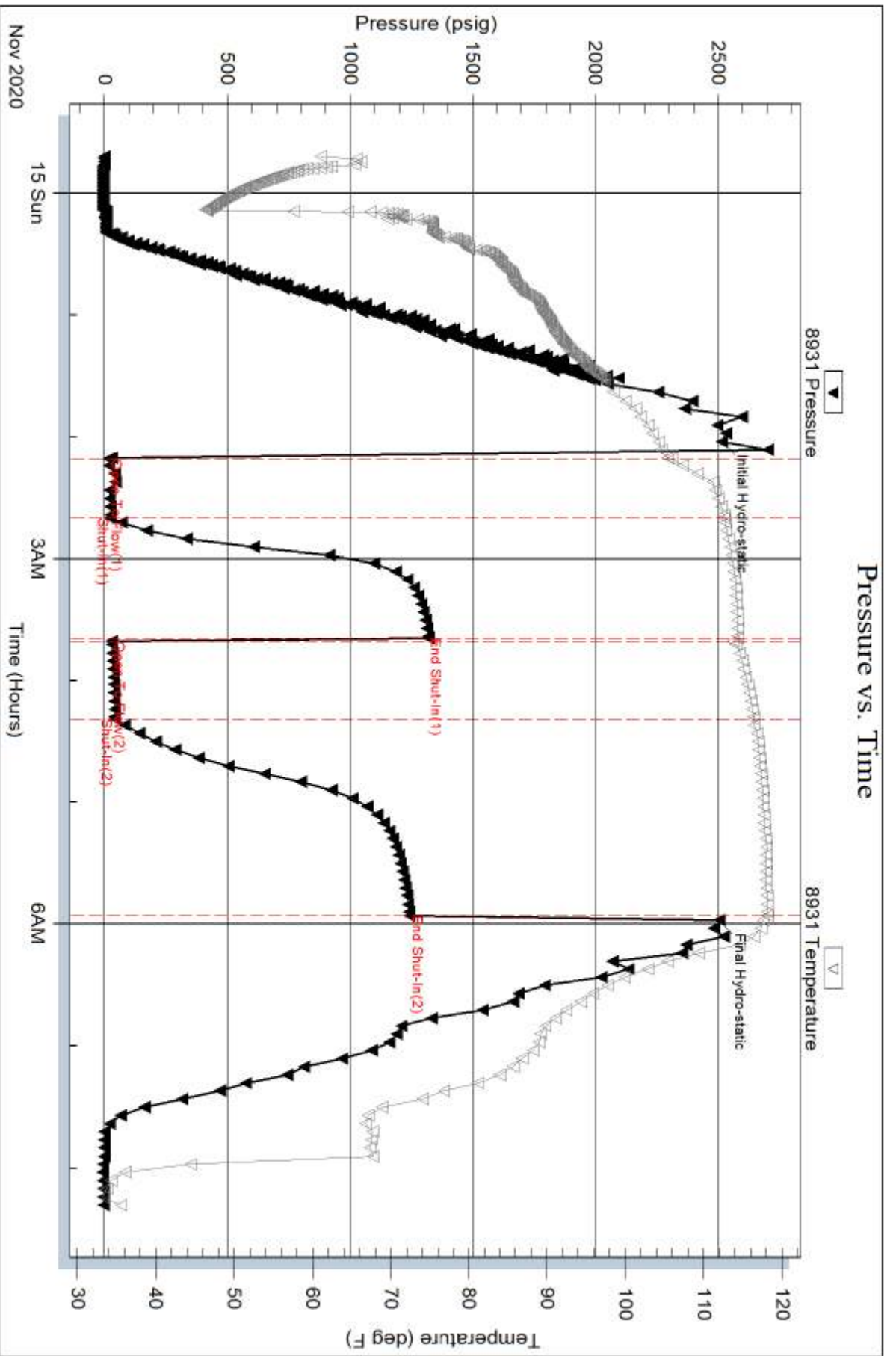
Serial #: 8931

Inside

Vincent Oil Corporation

Rotz 2-5

DST Test Number: 2

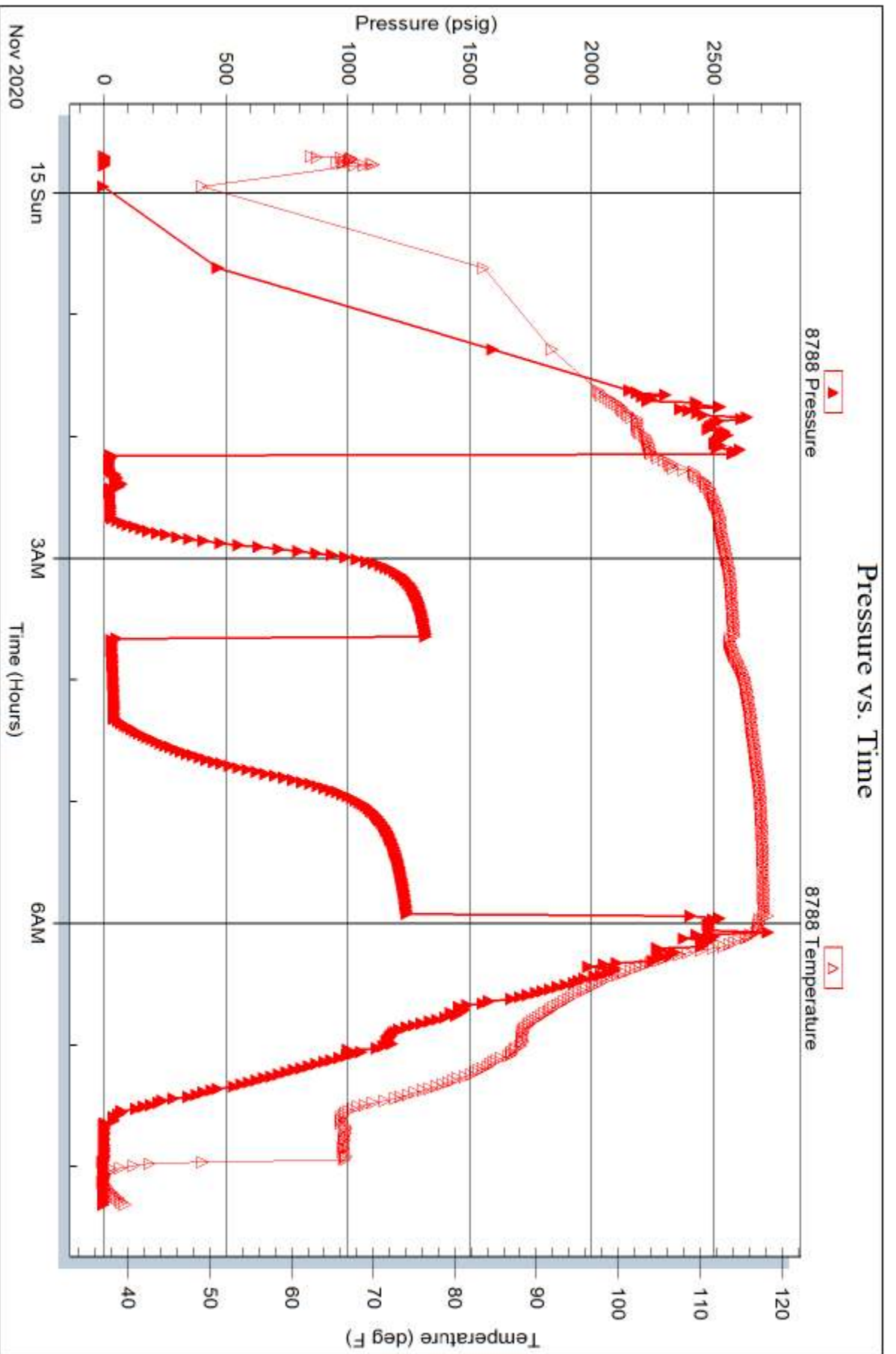


Serial #: 8788

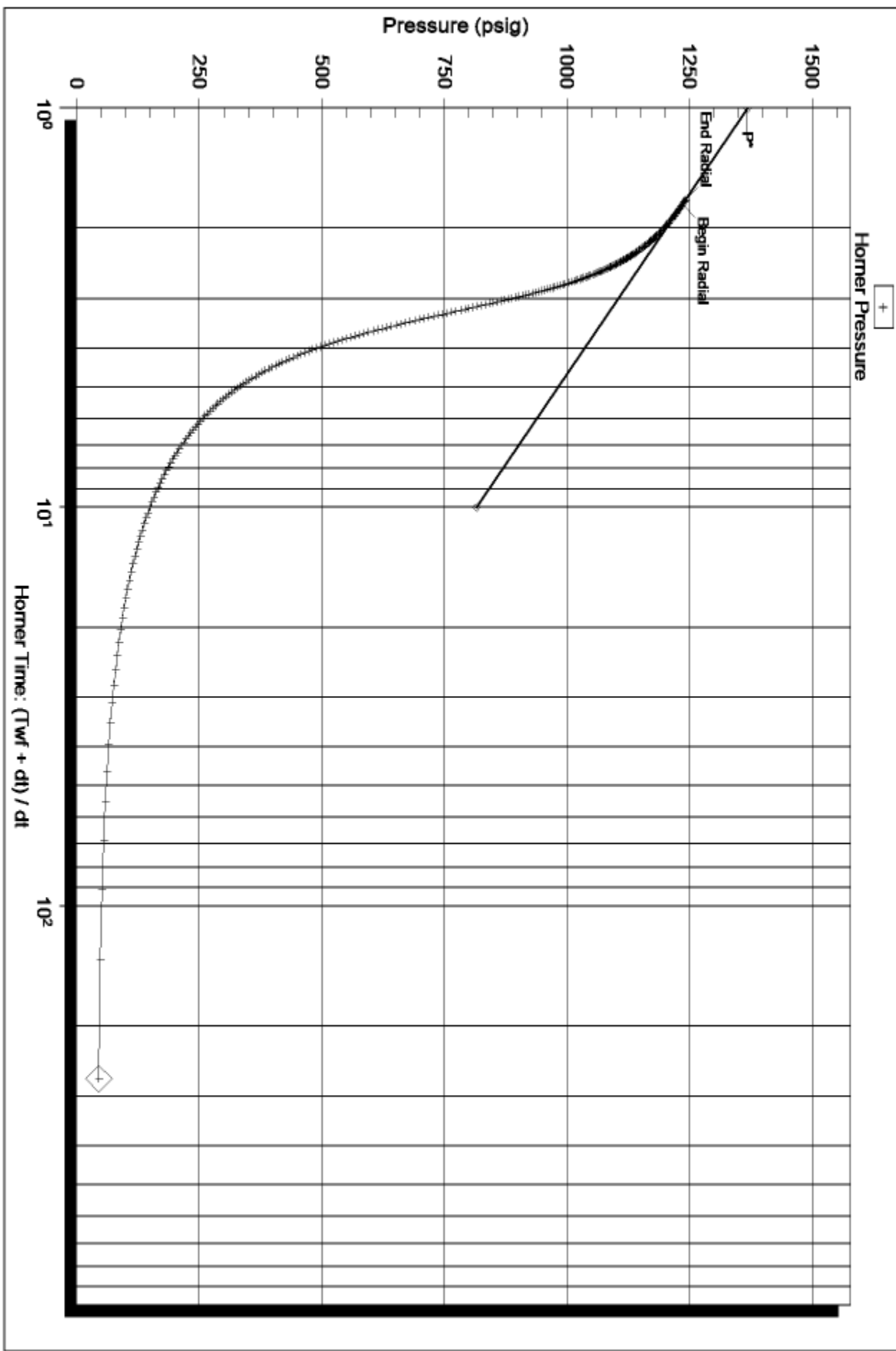
Outside Vincent Oil Corporation

Rotz 2-5

DST Test Number: 2



Horner Plot



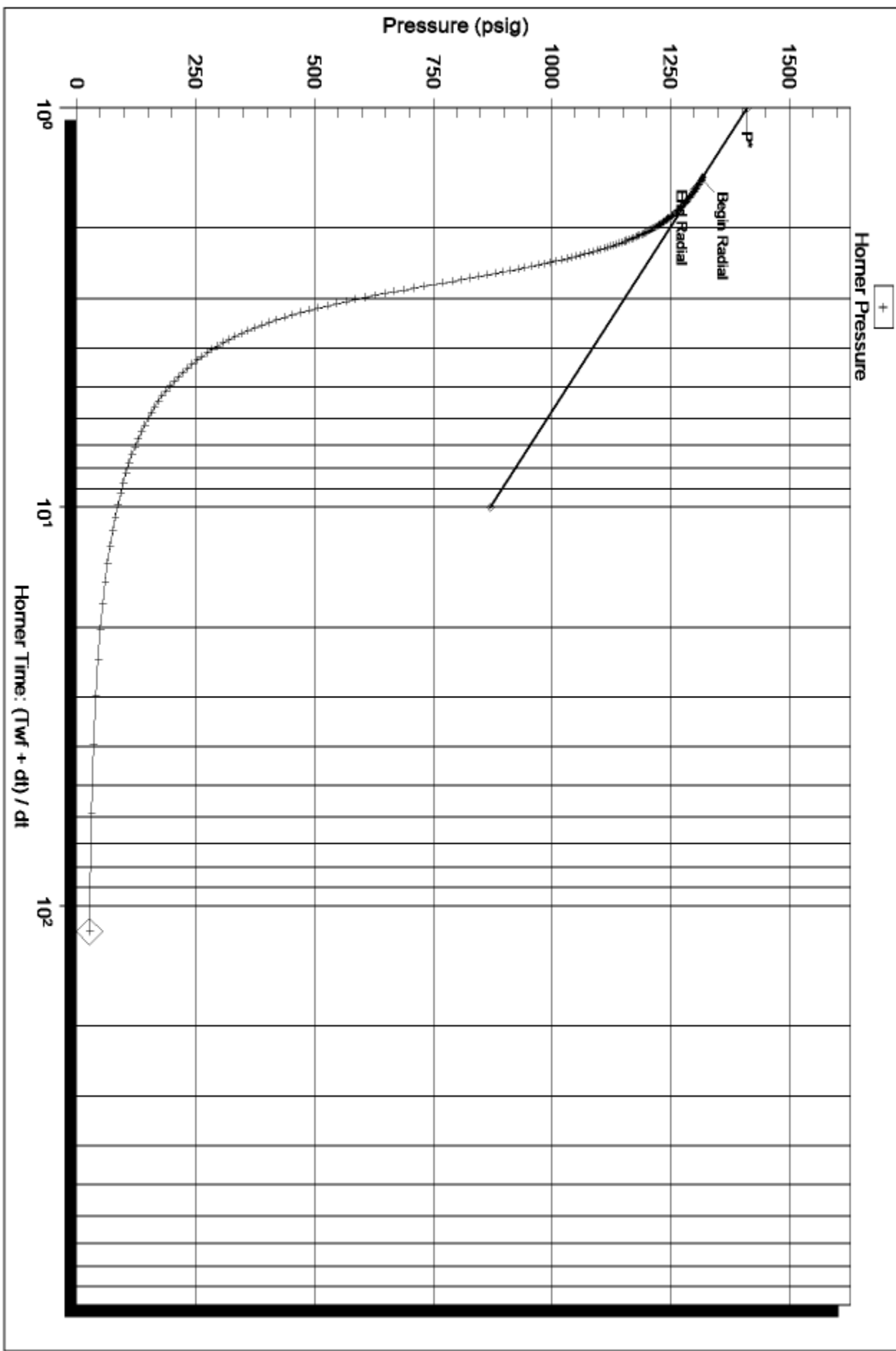
Serial Number: 8931 (Inside)

P* : 1368.37

Slope (m) : 551.96 kpa/log cycle

Flow Cycle: 2

Horner Plot



Serial Number: 8931 (Inside)

P* : 1411.38

Slope (m) : 539.41 kpa/log cycle

Flow Cycle: 1



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

5-29s-22w Ford Co. Ks
Rotz 2-5
 Job Ticket: 66753 **DST#: 3**
 Test Start: 2020.11.15 @ 16:14:20

GENERAL INFORMATION:

Formation:	Mississippi			
Deviated:	No Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Reset)
Time Tool Opened:	18:29:35		Tester:	Matt Smith
Time Test Ended:	02:53:50		Unit No:	68
Interval:	5264.00 ft (KB) To 5295.00 ft (KB) (TVD)		Reference Elevations:	2504.00 ft (KB)
Total Depth:	5295.00 ft (KB) (TVD)			2492.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Fair	KB to GR/CF:	12.00 ft

Serial #: 8931

Inside

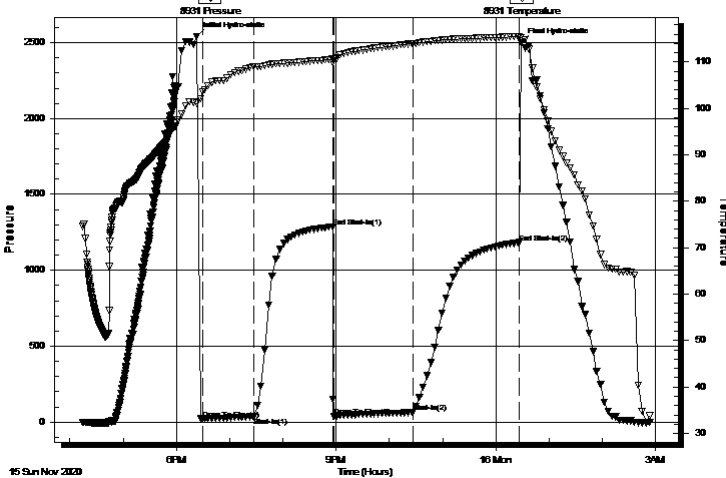
Press@RunDepth:	63.74 psig @	5265.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2020.11.15	End Date:	2020.11.16	Last Calib.:	2020.11.16
Start Time:	16:14:25	End Time:	02:53:50	Time On Btm:	2020.11.15 @ 18:23:05
				Time Off Btm:	2020.11.16 @ 00:28:35

TEST COMMENT: IF: Strong Blow . B.O.B. in 39 mins. Built to 22.11".
 IS: No Blow .
 FF: Strong Blow . B.O.B. in 9 mins. Built to 69.07".
 FS: Weak Blow . Built to 1.20".

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2541.15	101.12	Initial Hydro-static
7	19.88	103.64	Open To Flow (1)
64	34.16	108.97	Shut-In(1)
153	1286.26	110.58	End Shut-In(1)
155	38.46	110.59	Open To Flow (2)
244	63.74	113.97	Shut-In(2)
363	1183.07	115.50	End Shut-In(2)
366	2499.44	115.23	Final Hydro-static

Pressure vs. Time



Recovery

Length (ft)	Description	Volume (bbl)
63.00	GOWCM 15%g 5%o 5%w 75%m	0.88
10.00	GOWCM 3%g 25%o 2%w 70%m	0.14
20.00	CO 100%o	0.28
0.00	1260 GIP 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 Corporation

5-29s-22w Ford Co. Ks

200 W Douglas Ave #725
Wichita, Ks. 67202

Rotz 2-5

Job Ticket: 66753

DST#: 3

ATTN: Tom Dungeun

Test Start: 2020.11.15 @ 16:14:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

8200 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: 8200.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
63.00	GOWCM 15%g 5%o 5%w 75%m	0.884
10.00	GOWCM 3%g 25%o 2%w 70%m	0.140
20.00	CO 100%o	0.281
0.00	1260 GIP 100%g	0.000

Total Length: 93.00 ft

Total Volume: 1.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

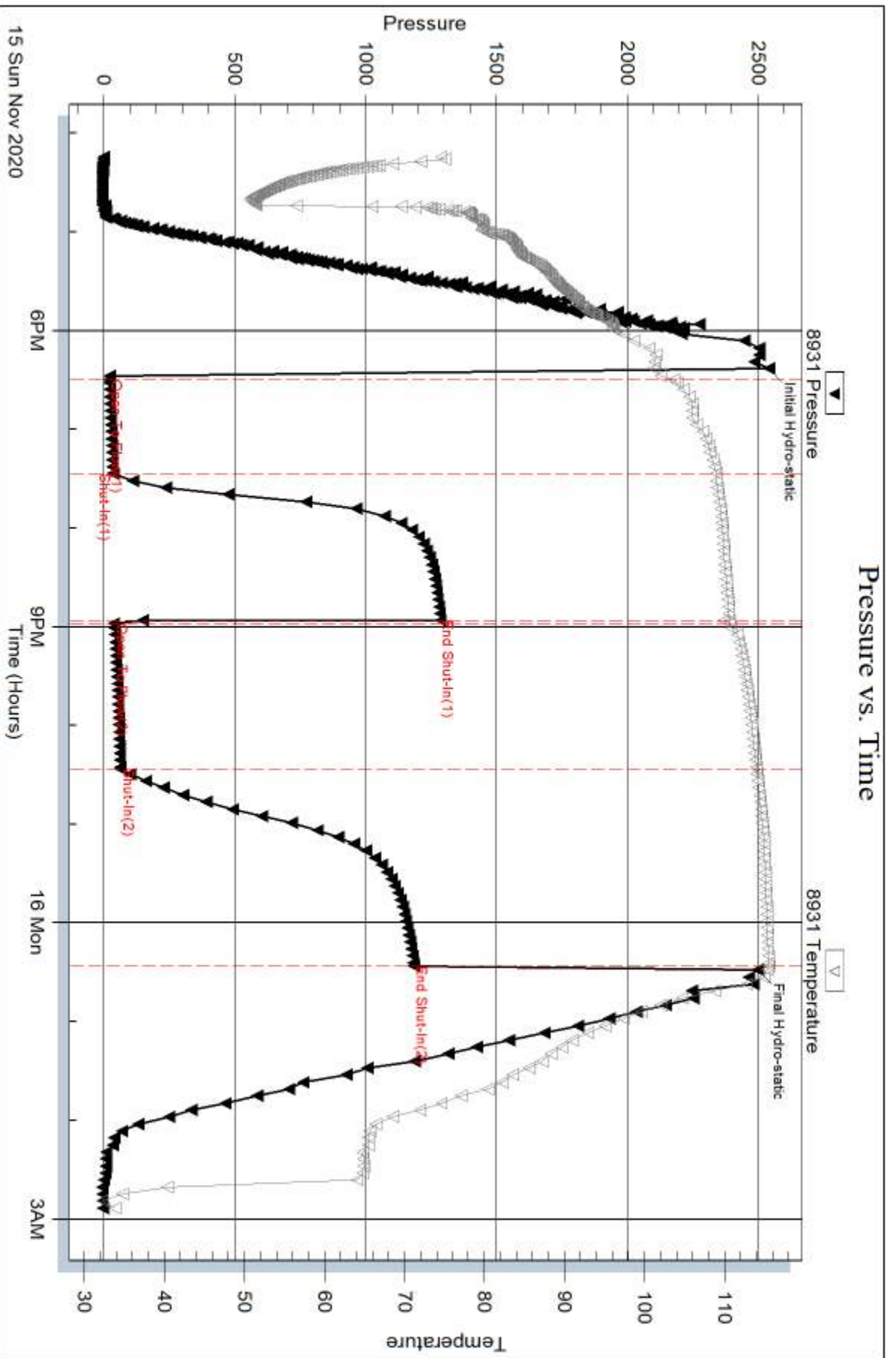
Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as 32 @ 50 Degrees. CORRECTED 33 @ 60 Degrees.

Pressure vs. Time

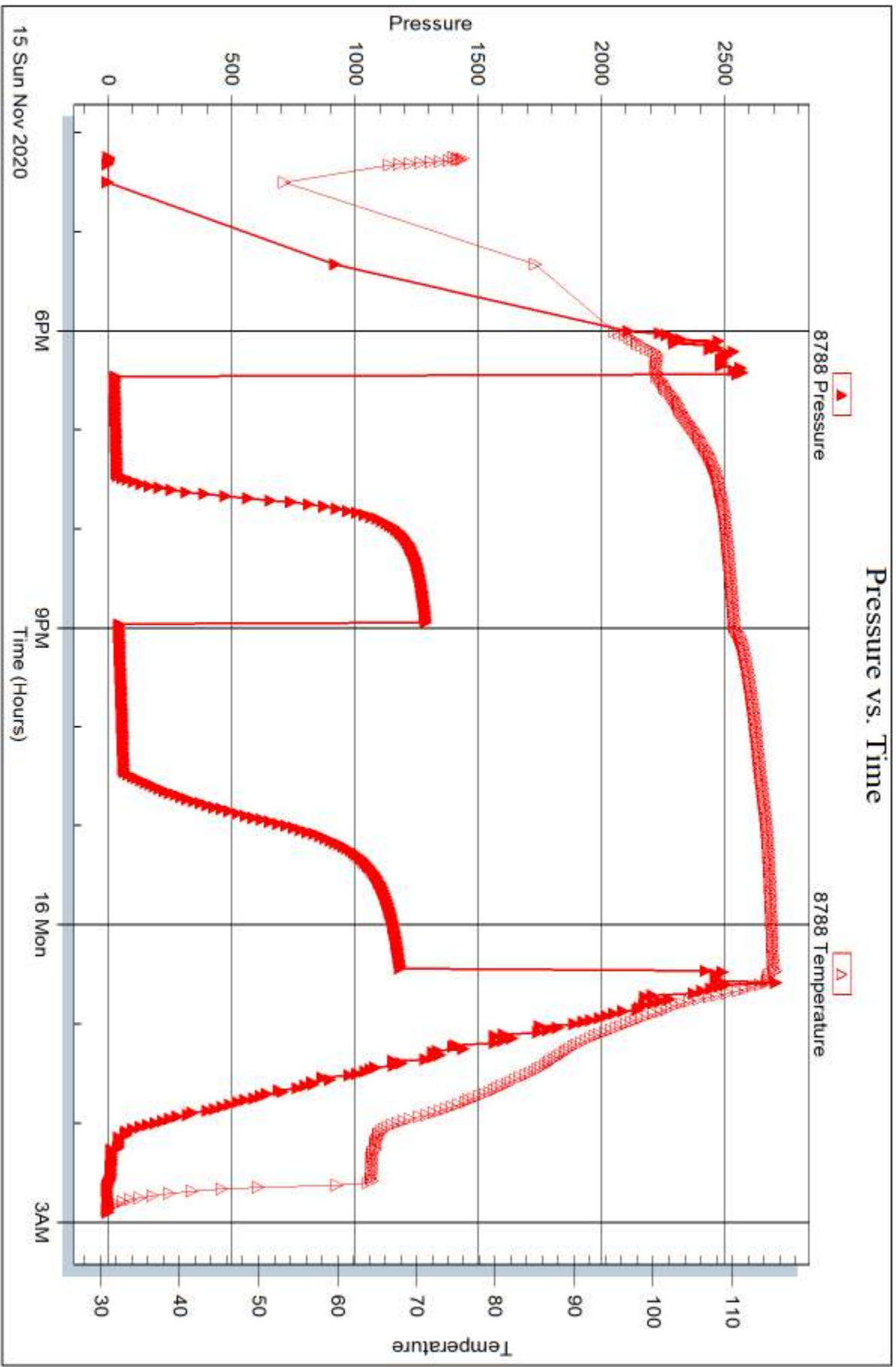


Serial #: 8788

Outside Vincent Oil Corporation

Rotz 2-5

DST Test Number: 3

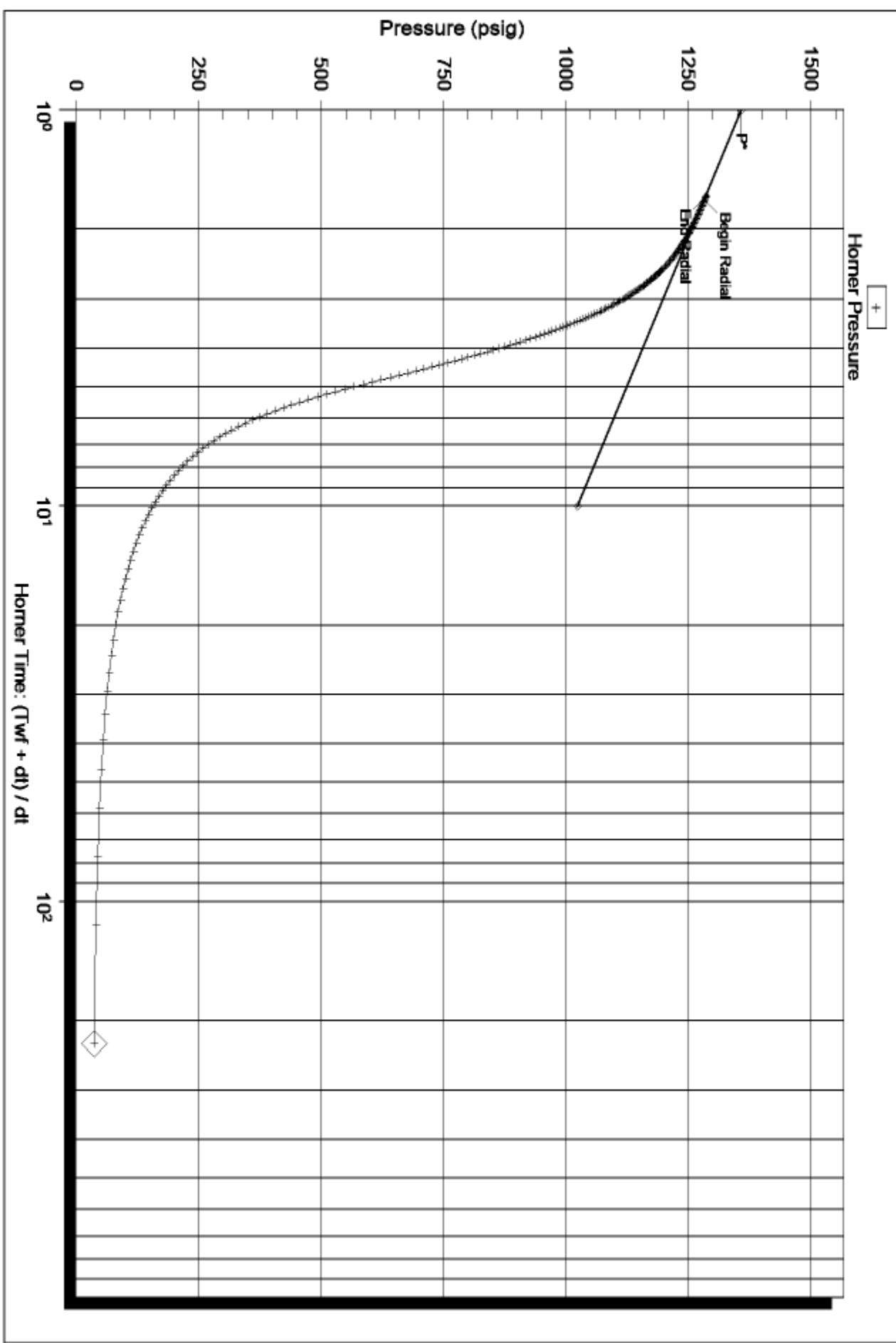


Trilobite Testing, Inc

Ref. No: 66753

Printed: 2020.11.16 @ 07:31:04

Horner Plot



Horner Pressure +

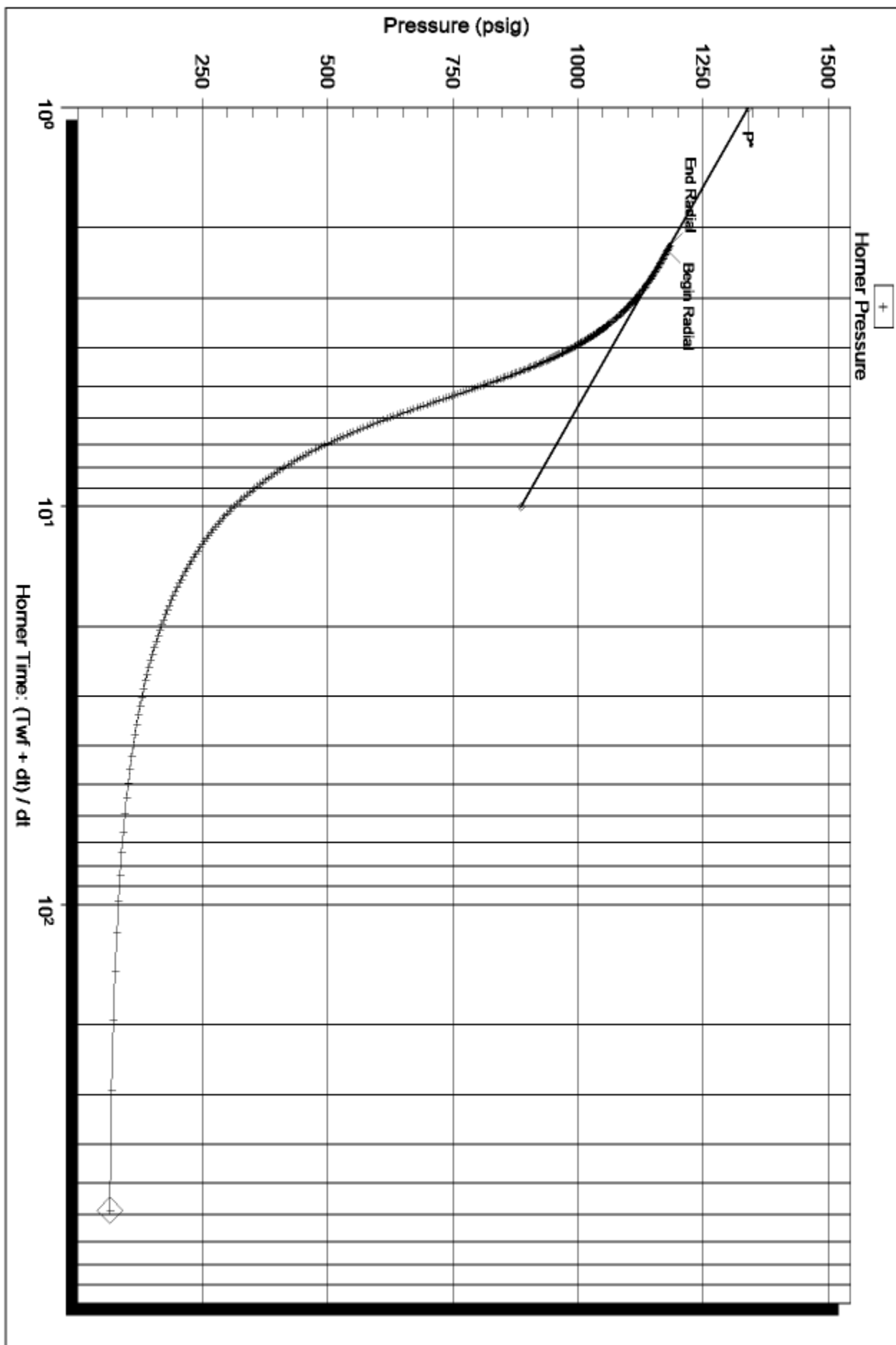
Serial Number: 8931 (Inside)

P* : 1357.88

Slope (m) : 334.03 kpa/log cycle

Flow Cycle: 1

Horner Plot



Serial Number: 8931 (Inside)

P* : 1340.17

Slope (m) : 452.88 kpa/log cycle

Flow Cycle: 2



VINCENT OIL CORPORATION



Scale 1:240 Imperial

Well Name: ROTZ 2-5
Surface Location: 455' FSL 580' FEL 5-29S-22W
Bottom Location:
API: 15057210470000
License Number: 5004
Spud Date: 11/5/2020 Time: 8:00 PM
Region: MID CONT
Drilling Completed: 11/16/2020 Time: 9:31 AM
Surface Coordinates:
Bottom Hole Coordinates:
Ground Elevation: 2492.00ft
K.B. Elevation: 2504.00ft
Logged Interval: 4250.00ft To: 5350.00ft
Total Depth: 5345.00ft
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: 3162623573
Well Name: ROTZ 2-5
Location: 455' FSL 580' FEL 5-29S-22W
API: 15057210470000
Pool: DEVELOPMENT
State: KS
Field: USA
Country: USA

CONTRACTOR

Contractor: DUKE DRILLING CO., INC.
Rig #: 1
Rig Type: MUD ROTARY
Spud Date: 11/5/2020 Time: 8:00 PM
TD Date: 11/16/2020 Time: 9:31 AM
Rig Release: 11/17/2020 Time: 4:45 AM

LOGGED BY

Company: VINCENT OIL CORPORATION
Address:
Phone Nbr: 3162623573
Logged By: Geologist
Name: TOM DUDGEON

TOTAL DEPTH

Measurement Type:

Measurement Depth:

TVD:

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

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.7410716
Latitude: 37.5429043
N/S Co-ord:
E/W Co-ord:

DRILLING FLUID SUMMARY

Type	Date	From Depth	To Depth
CHEMICAL MUD	11/10/2020	3814.00ft	5350.00ft

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	698 ft	23#	16	11/6/2020 8:00 PM
Int Casing					
Prod Casing					

CASING SEQUENCE

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

OPEN HOLE LOGS

Logging Company: ELI
Logging Engineer: JASON CAPPELLUCCI
Truck #: 3802
Logging Date: 11/16/2020
Logs Run: 0
Time Spent:
Logs Run Successful: 0

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
DI	0.00ft	5350.00ft	2.00		1
NDE/NEU/PE	4300.00ft	5350.00ft	2.00		1
MICRO	4300.00ft	5350.00ft	4.00		2
SONIC	0.00ft	5350.00ft	4.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
11/10/2020	0.00ft	0.00ft	LOGS RAN SUCCESSFULLY

NOTES

STRAIGHT HOLE SURVEY

Degree	Depth
1/2°	507'
1°	700'
3/4°	1205'
1°	1703'
1°	2209'
1°	2712'
1°	3216'
1°	3721'
1°	5265"

REFERENCE WELL:

A	B
Vincent Oil Corp.	Vincent Oil Corp.
Feikert Farms #5-8	Overmyer #4-9
502' FNL & 496' FEL	330' FNL & 330' FWL
Sec. 8-29S-22W	Sec 9-29S-22W

SAMPLE TOPS		REF. WELL		ELECTRIC LOG REF. WELL	
		A	B	A	B
Heebner Shale	4375 (-1871)	Flt	+1	4375 (-1871)	Flt +1
Brown Limestone	4528 (-2024)	+1	+3	4530 (-2026)	-1 +1
Lansing-Kansas City	4540 (-2036)	+1	+3	4540 (-2036)	-3 -1
Stark Shale	4871 (-2367)	+1	Flat	4872 (-2368)	Flt -1
Hushpuckney Shale	4917 (-2413)	+2	-1	4918 (-2414)	+1 -2
Base Kansas City	4986 (-2482)	-1	-2	4986 (-2482)	-1 -2
Marmaton	5000 (-2496)	Flt	+2	5002 (-2498)	-2 Flt
Pawnee	5078 (-2574)	-1	+1	5080 (-2576)	-3 -1
Cherokee Shale	5127 (-2623)	-2	-2	5129 (-2625)	-4 -4
Base Penn Limestone	5218 (-2714)	-2	-1	5224 (-2720)	-8 -7
Mississippian	5245 (-2741)	-9	-7	5252 (-2748)	-16 -14
RTD / LTD	5345 (-2841)			5350 (-2846)	

11/5/2020 Duke Drilling Co. Inc, moved in rotary tools and rigged up. Spud well in at 8:00 PM 11/5/2020.

Drilling 12.25" surface hole.

11/6/2020 At 633', drilling surface hole. Drilled to 700', CTCH, TOH, rigged up to run surface casing. Ran 16 jts of new 8 5/8", 23# surface casing. Set at 698' and cemented with 125 sx MDC (3% CC & 1/4# Flo-seal/sx) and 200 sx of Common (2% Gel, 3% CC & 1/4# Flo-seal/sx). Plug was down at 12:00 noon on 11/6/2020. Cement did circulate, WOC. Drilled out from under surface casing at 8:00 PM 11/6/2020.

11/7/2020 At 1250', drilling ahead.

11/8/2020 At 2510', drilling ahead.

11/9/2020 At 3165', drilling ahead

11/10/2020 At 3768', drilling ahead. Displaced mud system at 3814'

11/11/2020 At 4448', drilling ahead

11/12/2020 At 4863', drilled ahead to 4900', TOOH to repair clutch bearing, rig down for repairs approximately 11 hrs. Resumed drilling at 9:30 PM 11/12/2020.

11/13/2020 At 5008', drilling ahead

11/14/2020 At 5265', tripping out of the hole preparing for DST #1 5165' to 5265' (Mississippian)

DST#1 5165' to 5265' (Mississippian)

30"-60"-30"-60"

1st Open: Weak Blow

2nd Open: Weak Blow

Recovered:

73' Gas in Pipe

22' Gassy Mud (1% Gas & 99% Mud)

IFP: 20 - 22# FFP: 21 - 25#

ISIP: 81# FSIP: 57#

BHT 107° F

Pipe strap 1.08' long to the board, no correction made

Drilled ahead to 5280', CFS, Preparing for

11/15/2020 At 5280, TOOH with test tool

DST#2 5265' to 5280' (Mississippian)

30"-60"-45"-90"

1st Open: Strong Blow in 16"

2nd Open: Strong Blow in 2"

Recovered:

688' Gas in Pipe

10' Clean Oil

58' Gassy Heavy Oil Cut Watery Mud (15% Gas,33% Oil, 2% Water & 50% Mud)

IFP: 17 - 25# FFP: 29 - 43#

ISIP: 1319# FSIP: 1241#

BHT 106° F

Chlorides: Recovered Water-7400 PPM -- Mud System-7400 PPM

Drilled ahead to 5295', preparing for DST #3 5264' to 5295' (Mississippian)

11/16/ 2020` At 5300', drilling ahead following DST #3

DST #3 5264' to 5295' (Mississippian)

60"-90'-90"-120"

1st Open: Strong Blow on 39"

2nd Open: Strong Blow in 9"

Recovered:

1260' of Gas in Pipe

20' Clean Oil

10' Gassy Oil & Water Cut Mud (3% Gas, 25% Oil, 2% water & 75% Mud)

63' Gassy Oil & Water Cut Mud (15% Gas, 5% Oil, 5% water & 75% Mud)

IFP: 20 - 34# FFP: 38 - 64#

ISIP: 1286# FSIP: 1183#

BHT 104° F

BHT 104 F
 Chlorides: Recovered Water-8200 PPM -- Mud System-8200 PP
 Drilled ahead to RTD 4345', CTCH, TOOH for electric logs, ran electric logs (DII, Density-Neutron, Micro-log and Sonic), LTD found at 5350'. Orders given to P&A at 6:15 PM 11/16/2020. Nipped down the BOP and tripped in hole to LDDP&DC.

11/17/2020 Tripping out of hole laying down drill pipe and drill collars. Loaded wellbore with heavy mud and tripped in hole with plugging stands and set cement plugs as follows: 50 sx plug at 1550', 50 sx at 720' and 20 sx at 60' to surface. Plugged the rathole with 30 sx and plugged the mousehole with 20 sx. Plug was down at 2:45 AM 11/17/2020. The pits were cleared and the rig was released at 8:45 AM 11/17/2020.

ROCK TYPES

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

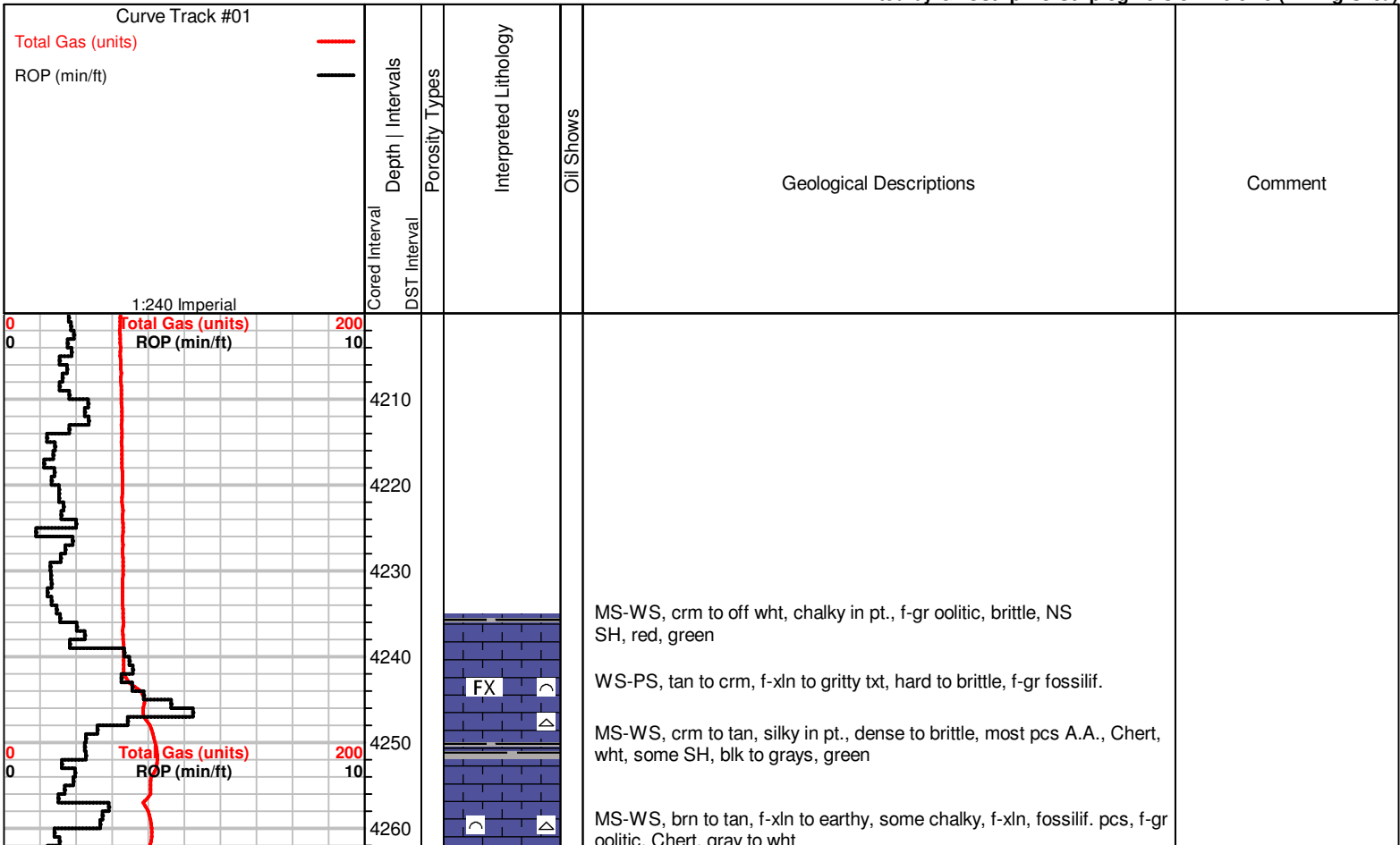
ACCESSORIES

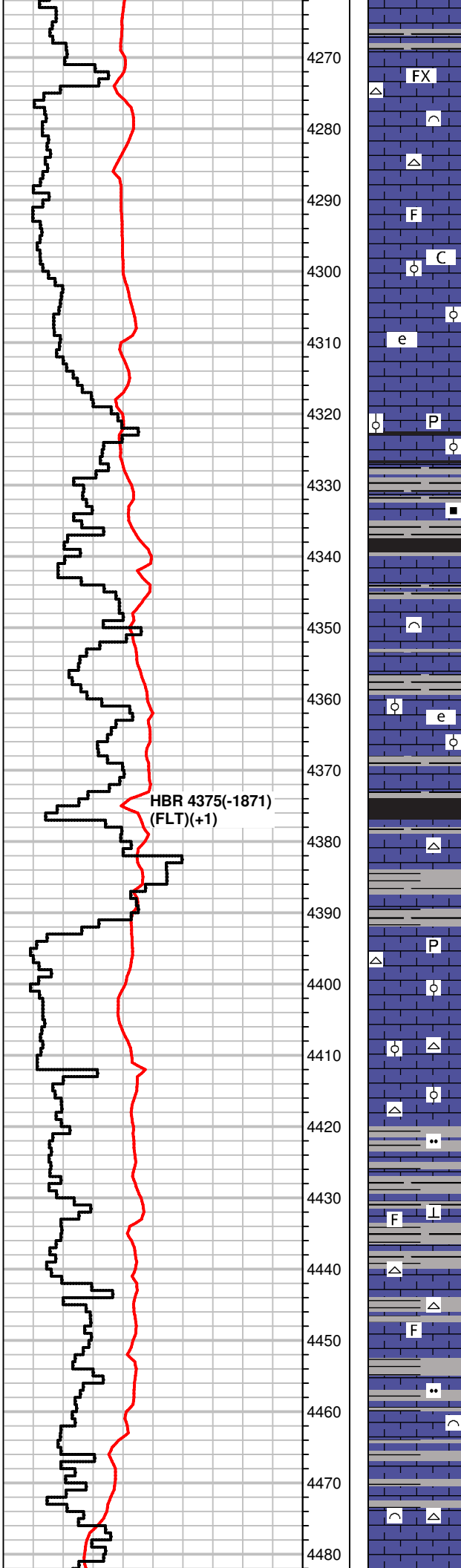
MINERAL - Argillaceous ⊥ Calcareous ■ Carbonaceous Flakes ▲ Chert, dark △ Dolomitic ■ Heavy, dark minerals P Pyrite • Sandy •• Silty / Euhed rhombs of dol or c △ Chert White	FOSSIL ∩ Bioclastic or Fragmental ⊕ Brachiopod ⊙ Crinoids F Fossils < 20% φ Oolite	STRINGER Dolomite Sandstone Argillaceous Shale	TEXTURE C Chalky e Earthy FX Finexln
---	--	---	--

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 4.0.8.15 (www.grsi.ca)





WS-PS, crm to tan, mic to f-xln, dense, fossilif., some chalky pcs, SH, blk to gray

MS-WS, off wht to crm, m-xln, fossilif., firm to brittle, fossil frgmts, NS, calcite, SH, grays

WS-PS, crm to off wht, A.A., rare brn, mic oolitic/fossilif., chalky mtrx, Chert, wht, SH, grays, scatt

WS-PS, crm to off wht, grading to MS, lt. tan, most pcs A.A., mic oolitic to earthy/chalky, firm to dense, some fossils, calcite, NS, SH, red

MS-WS, crm to tna, f-xln to earthy, dense, chalky in pt., fossils, SH, green to red

MS-WS, crm to off wht, micro oolitic/fossilif., A.A., SH, grays, blk, pyrite flakes

SH, blk, gas bubbles, pyrite, carbonaceous

lesser SH, blk to dk. gray, grays
MS, tan to crm, some fossils, f-xln, dense

SH, blk to grays, A.A., WS-PS, off wht to crm, mirco oolitic/fossilif., some earthy/shaly pcs

MS, gray, f-xln, dense, some fossil frgmts

SH, blk, prite, gas bubbles

SH, blk to grays, carb., MS, crm to off wht, f-xln, chalky in pt., some pcs oolitic/fossilif, Chert, wht

MS, brn to crm, lt. gray, f-xln to chalky/shaly, brittle, some fossils, rare pyrite, SH, gray to blk

WS-PS, crm to tan, chalky mtrx, micro fossils, sub oolitic pcs, rare Chert, wht, SH, blk to gray

MS-WS, crm to gray, bn, f-xln ,gritty to earthy, some pcs massive, dense, micro-oolitic/fossils, Chert, wht
some SH, grays

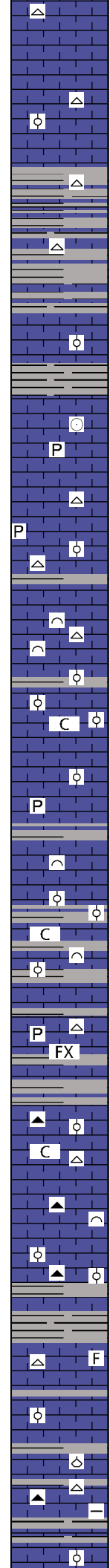
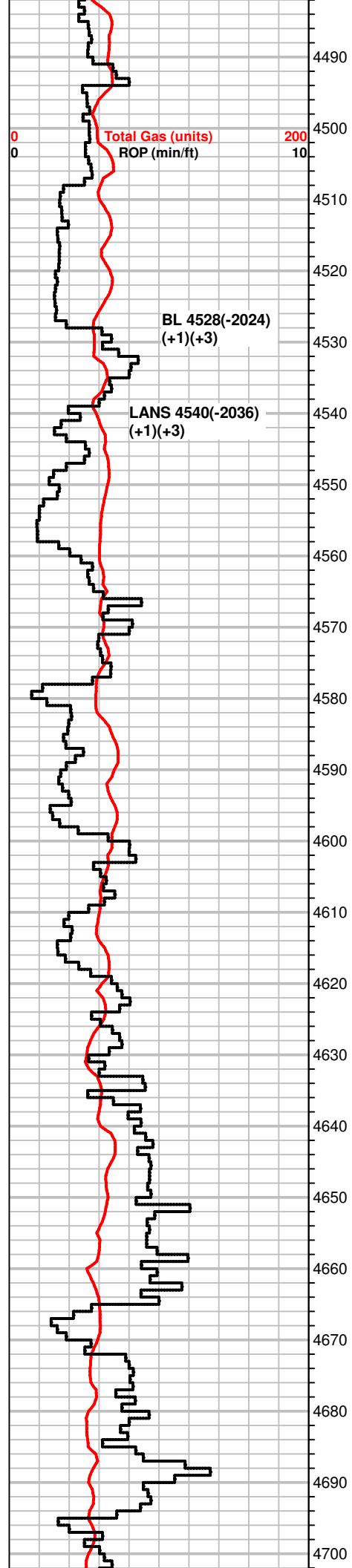
Inc in SH, blk, gray, green, MS-WS, A.A., some brn, f-xln, hard, scatt fossils, gritty in pt., NS

MS, crm to off wht, chalky, hard/firm, scatt fossils, earthy pcs
SH, grays, calcareous, hard

MS-WS, crm to lt. tan, lt. gray, f-xln, hard, fossils/Cherty frgmets, calcite, some SH, grays

MS-WS, gray to crm/brn, mottled pcs, mic to f-xln, dense, earthy in pt., silty pcs, fossils, NS

WS-MS, brn to gray, mottled in pt., most pcs dense, massive/ fossilif., rare chalky pcs, Chert, wht



MS, crm to gray, tan, f-xln, waxy in pt., most dense, fossilif., rare chalky pcs, calcite veins, shaly in pt., NS

MS-WS, crm to gray, chalky to waxy, some hard, most pcs firm, fossils, some mic-xln to massive pcs, dense, rare SH, gray, silty

MS, crm to tan, f-xln to chalky, firm, scatt fossils, Chert, wht SH, greenish gray, vf-silty pcs

MS-WS, crm to lt. gray, dense, massive, mic-xln, hard, some fossils (forams), sub oolitic, SH, grays,

SH, grays, MS, crm to tan, earthy/waxy, hard, brittle, scatt fossils, chalky in pt.

MS, brn to crm, dense, massive, fossils rare, gritty pcs, some sandy to silty, SH, grays, red

SH, gray, green, sandy in pt.

MS-WS, brn to crm, f-xln, gritty, fossils, pyrite, crinoids

MS, off wht, earthy to chalky, f-xln, hard to firm, fossils, Chert, wht, SH, gray, green

MS-WS, crm, f-xln, some fossilif. pcs, mostly chalky, firm, rare pyrite, scatt SH, grays, soft

SH, gray, silty, MS, crm to tan, earthy to chalky, soft to firm, some fossils, Chert, wht, rare oolitic pcs, brn ooids in soft mtrx, NS

WS-PS, crm to brn, f to m-gr oolitic in dense calc mtrx, some pcs chalky, fossilif., some mottled pcs, scatt SH, gray to green

MS-WS, crm to brn, f-xln, dense to chalky, fossilif. pcs scatt., calcite, rare pyrite, some SH, grays

MS-WS, crm to off wht, some gray pcs, chalky to massive, hard, fossils, dull fluor, NS
 SH, blk, brn, silty

MS-WS, brn to crm, f-xln, chalky, some pcs shaly, mottled in pt., f-gr oolitic/fossilif pcs rare, NS, SH, gray, red

MS, crm to tan, brn, f-xln, dense, some chalky, fossils scatt, pyrite, Chert, wht, some SH, grays

MS-WS, crm to brn, dense/massive to chalky, soft pcs, fossilif., Chert, wht, blk, fossilif.

WS-PS, crm to brn, dense to brittle, chalky, fossilif., silty, NS, Chert, blk, micro fossils

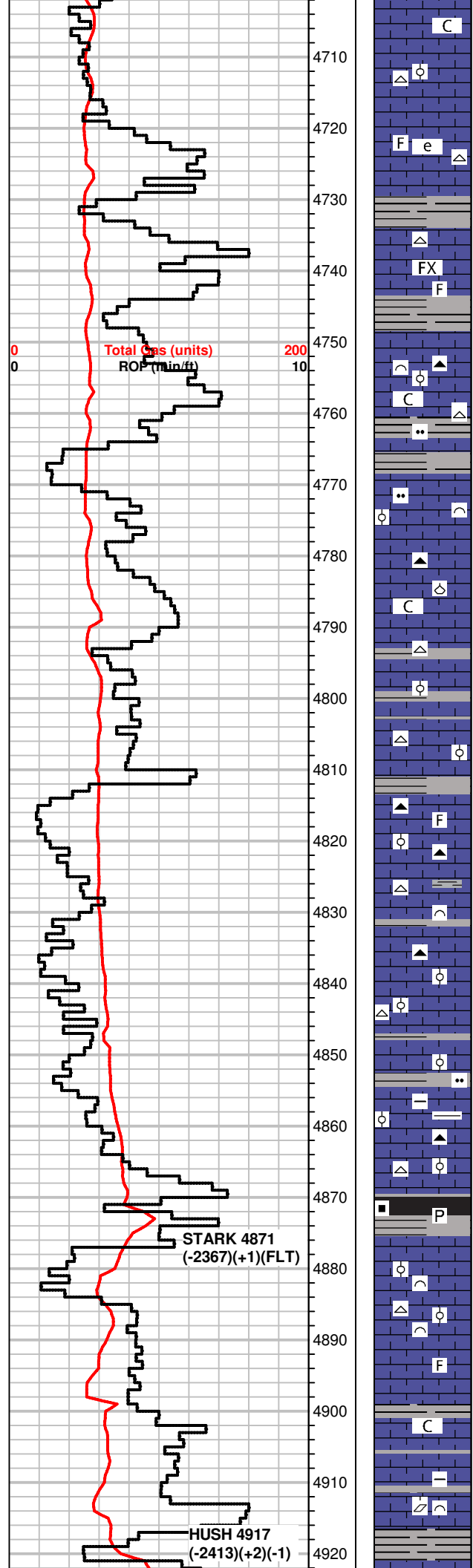
MS-WS, crm to tan, brn, rare mottled pcs, f-xln to massive txt, chalky in pt., fossilif., soft to dense, Chert, wht, blk, micro oolitic to barren

MS-WS, crm to brn, inc in gray pcs, f-xln to chalky, fossils scatt, hard to brittle, some pcs dense, dull fluor, NS, scatt Chert, wht to gray, SH, grays, silty pcs

WS, crm to tan, brn, some gray, chalky to massive, fossilif., hard, some dense, fossilif., Chert, wht, fossils, SH, gray

SH, grays, MS-WS, crm to tan, f-xln to earthy in pt., dense, chalky mtrx, fossils, gritty pcs, NS, Chert, wht, gray

MS, crm to lt. gray, massive to f-xln, dense, rare fossils, some mottled pcs, shaly in pt.
 SH, gray, green



MS, off wht to crm, lt. tan, some gray A.A., chalky to earthy, scatt dense/massive pcs, NS, Chert, wht, fossils, rare SH, blk, gray

MS, crm, earthy to chalky, soft/firm, rare fossils, gritty/silty in pt., Chert, wht, SH, gray/dk. gray

SH, gray, greens, MS, crm to tan, some brn, massive to chalky, rare fossils, gritty pcs scatt, Chert, wht.

MS, crm to tan, chalky to dense/f-xln, sub oolitic to rare fossilif pcs, most barren, gritty pcs scatt, Chert, wht, fossils some SH, grays

SH, blk to gray, MS-WS, crm, tan, lt. gray, f-xln, earthy to chalky, fossils, cherty frgmts, Chert, wht, lt. gray

MS, crm, chalky, gritty, hard, some m-xln/dense, fossils, Chert, gray

MS-WS, brn to tan, massive to f-xln, hard, fossils, gritty pcs, m-gr oolitic in dense calcite mtrx, NS, Chert, wht some SH, gray to dk. gray

WS-MS, tan to cm, chalky mtrx, fossils, hard, NS, Chert, wht, gray

SH, gray, green, striated, MS, crm to off wht, f-xln to chalky, hard to dense, some brittle, rare fossils, Chert, wht

some SH, grays to lt. gray MS, crm to off wht, f-xln to chalky, hard/dense, some brittle, scatt fossilif/micro oolitic, calcite rhombs, NS

MS, gray to tan/crm, f-xln to earthy, firm to soft, chalky in pt., shaly pcs, fossilif, some brn pcs, massive, dense, NS, Chert, gray

MS-WS, crm to tan, A.A., inc in gray pcs, earthy, fossils, sub oolitic, firm to hard, NS, Chert, gray, opaque, fossils

WS-MS, gray to tan, f-xln to chalky txt, hard, some pcs fossilif., mottled, Chert, wht, gray, fossils, NS

MS, crm to tan, f-xln, gritty to chalky, hard to firm, brittle, some fossils, NS, Chert, wht, gray

WS-PS, tan to crm/off wht, f-xln to chalky, brittle to dense, oolitic to fossilif., calcite, some pcs argillaceous, SH, gray, silty

MS-WS, brn to crm, f-xln to massive, brittle, some fossilif. pcs, Chert, tan, gray

SH, blk, dk. gray, carb., pyrite flakes, gas bubbles

WS-PS, crm to off wht, f-xln to chalky, soft mtrx, fossilif., moldic pcs, some Chert, wht, NS

MS-WS, crm to brn, f-xln, some chalky, most dense, rare fossils some pcs fossilif, NS

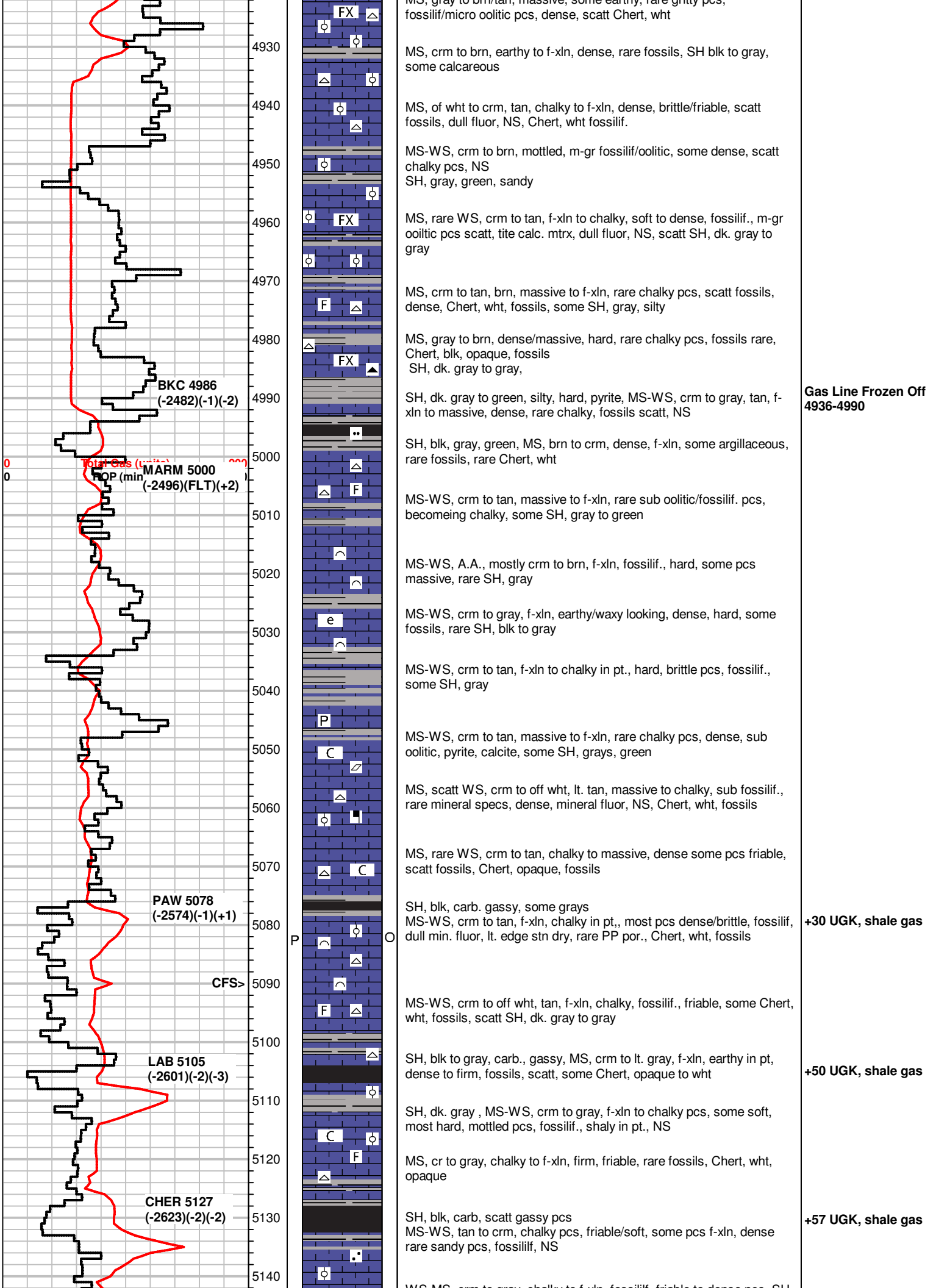
MS-WS, brn to crm, f-xln to massive, chalky pcs, dense, barren, NS

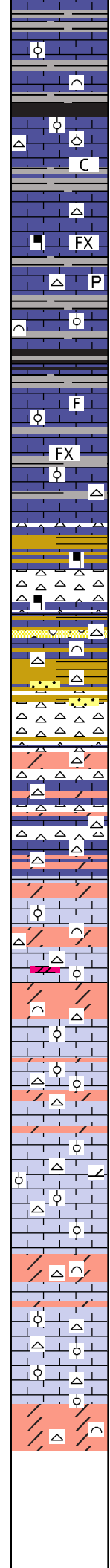
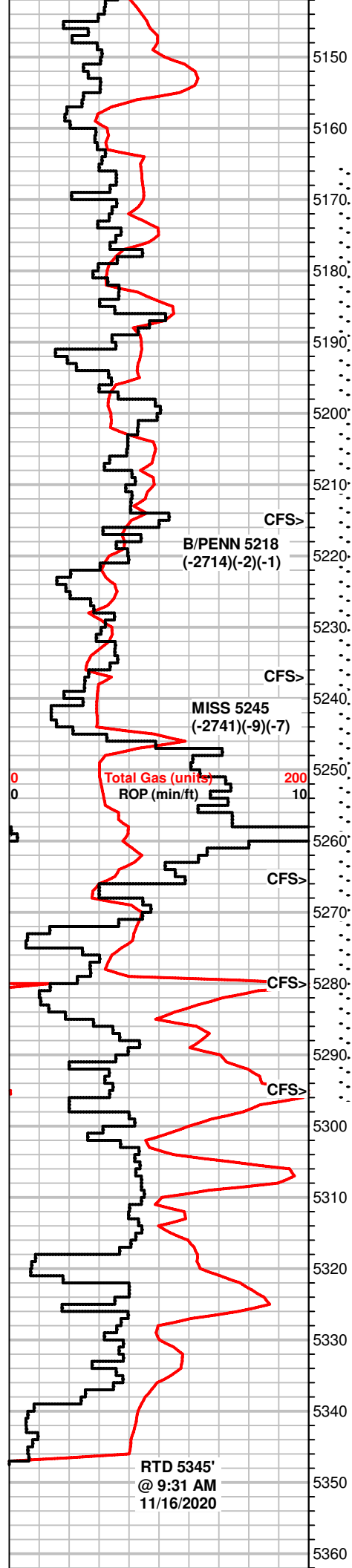
MS, brn, some tan, dense, massive, mostly hard, argillaceous, rare fossils, calcite, NS, SH, gray, green

SH, dk. gray to gray MS, gray to brn/tan, massive, some earthy, rare gritty pcs

+20 UGK, shale gas

rig repairs at 4900, down for 12 hours





WS-MS, crm to gray, chalky to f-xln, fossilif., friable to dense pcs, SH, blk to gray

MS-W, crm to tan, f-xln, friable, some pcs fractured, fossilif., hard to dense, Chert, wht, opaque scatt SH, blk to gray

SH, blk, gray, carb., gassy, silty pcs, MS-W, brn to crm, f-xln, some massive, dense, hard, fossils, some chalky pcs scatt, Chert, wht, NS

MS-W, crm to tan, f-xln/dense, scatt chalky pcs, some fossils, mineral specs/pyrite, Chert wth SH, blk to gray scatt

MS-W, crm to tan, brn, f-xln some chalky, fossilif., friable to hard SH, blk to gray, waxy looking

MS-W, crm to tan, brn, f-xln, firm, massive/dense, chalky, some fossils, SH, blk to gray, green

MS-W, crm to tan, f-xln to massive, dense, some chalky pcs, scatt fossils, Chert, wht, yellow, SH, grays, green

SH, varicolored, blk to green, yellow, red, gray, silty in pt. MS-W crm to brn, massive to mic-xln, dense, fossils Chert, wht to opaque, fossils, mineral specs, rare edge stn dry some w/ fn sugary txt, dull min. fluor, NS

MS-W, crm to tan, f-xln partly chalky, friable, fossilif., rare SS clusters, green, f-gr well sorted, hard, rare Chert, wht to yellow SH, varicolored

SS clusters, green, well strtd, tite, NS, Chert, wht, off wht, fresh, scatt weathered pcs, partial to even stn, ft. odor in tray, inst strmg cut to slow milky cut, bright spotty fluor, vuggy to PP por., sply to even stn dry

Dolomite & Dolomitic Chert, wht, some pcs gray, fresh, fossils, hard, some pcs calcareous, good odor, bleeding oil and gas bubbles, inst strmg cut, MS-W, off wht to crm, f-xln, fn-gr oolitic

Cherty Dolo/Chert, lt. gray to brn, some cherty, very hard, vf-suc, tite/hard, weathered/tripolitic, even to spotty stn, ins cut, good odor in bag, live oil in tray, saturation dry

WS-PS, off wht to crm, f-xln to partly chalky, firm to friable, fossilif.,

Dolo., crm to brn, fn to m-xln, sucrosic to gritty txt, some pcs fossilif/cherty frgmts, good odor, even to sply stn, inst. to strmg cut, int-xln/vuggy por., WS-PS, crm to tan, f-xln, oolitic fossilif, some pcs dolomitic

Dolo, brn to crm, f-xln to m-xln, fossilif./cherty pcs, lesser than above, v sply to even stn pcs, few pcs live oil when broken, good odor, inst. strmg cut rare, WS-PS, crm to off wht, f-xln, oolitic, hard/brittle, glauc, Chert, wht

WS-PS, off wht to crm, f-xln, hard to brittle, mgr oolitic, some pcs dolomitic, rare Dolo, crm to tan, f- to m-xln, sugary txt, hard, some fossil/chert frgmts, NS

WS-PS, off wht to cm, some tan, f-xln to massive, dense, partly chalky in some pcs, m-gr oolitic, fossilif., NS

Dolo, tan to brn, vf-xln to f-xln, hard, micro oolitic/fine sugary txt, dull mineral fluor, no odor, NS
WS-PS, off wht to crm, f-xln, dense, partly chalky mtrx, fossilif., m-gr oolitic in tite calc mtrx, NS, Chert, wht, tan

WS-PS, off wht to tan, f-xln dense to massive pcs rare, mostly m-gr oolitic, chalky in pt., NS Chert, wht

WS-PS, crm to tan, off wht, f-xln, chalky pcs inc., m-gr oolitic, glauc specs, Chert, wht

Dolo, tan to brn, some gray, m- to f-xln, hard, fossils/oolitic pcs, some w/ f-sugary txt, dull min fluor, NS

DST #1 5165-5265
30-60-30-60
WB blt to 3.75"
NBB
WB blt to 2.3"
NBB
73' GIP
Rec: 22' GM(1g,99m)
IH 2537#
IF 20-22#
ISIP 81#
FF 21-25#
FSIP 57#
FH 2479#
Temp 107°F
CL 7,400ppm

DST #2 5265-5280
30-60-45-90
SB BOB 16", blt to 26
inch
NBB
SB BOB 2", blt to 49
inch
NBB
688' GIP
10' CO
58' GHOWCM
(15g,33o,50m,2w)
IH 2515#
IF 17-25#
ISIP 1319#
FF 29-43#
FSIP 1241#
FH 2504#
Temp 106°F
API Grav 33.2 @ 60°F
CL 7,400ppm

DST #3 5264-5295
60-90-90-120
SB BOB 39" blt to 22
inch
NBB
SB BOB 9 min blt to 69
inch
1.2" BB
1260' GIP
20' CO
10' GOWCM
(3g,25o,70m,2w)
63' GOWCM
(15g,5o,75m,5w)
IH 2541#
IF 20-34#
ISIP 1286#
FF 38-64#
FSIP 1183#
FH 2499#
Temp 104°F
API Grav 33.6
CL 8,200ppm

