KOLAR Document ID: 1620845

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5004
Name: Vincent Oil Corporation
Address 1: 200 W DOUGLAS AVE #725
Address 2:
City: WICHITA State: KS Zip: 67202 + 3023
Contact Person: M.L. Korphage
Phone: (316) 262-3573
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Tom Dudgeon
Purchaser: MV Purchasing

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 #:

10/19/2021 Spud Date or Recompletion Date
10/30/2021 Date Reached TD
1/5/2022 Completion Date or Recompletion Date

API No.: 15-057-21058-00-00
Spot Description:
E2 - NW - NE - NW Sec. 4 Twp. 29 S. R. 23 ☐ East ☑ West
330 Feet from ☑ North / ☐ South Line of Section
1930 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ford
Lease Name: SWONGER Well #: 4-4
Field Name: Mulberry Creek
Producing Formation: Mississippian
Elevation: Ground: 2480 Kelly Bushing: 2492
Total Vertical Depth: 5224 Plug Back Total Depth: 5223
Amount of Surface Pipe Set and Cemented at: 647 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: 22400 ppm Fluid volume: 712 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Edison Operating Co. LLC
Lease Name: Tom Wilmore 6-32-17 License #: 34434
Quarter NW Sec. 6 Twp. 32 S. R. 17 ☐ East ☑ West
County: Comanche Permit #: D30954

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: 02/15/2022
☐ **Confidential Release Date:** 02/15/2024
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrison **Date:** 02/16/2022

Page Two

Operator Name: Vincent Oil Corporation Lease Name: SWONGER Well #: 4-4

Sec. 4 Twp. 29 S. R. 23 ☐ East ☑ West County: Ford

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

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

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

List All E. Logs Run: Attached

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

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ Used

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

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	647	MDC & Common	300	0-2% Gel, 3% CC & 1/2# Flo-seal/sx
Production	7.875	4.5	11.6	5223	Pro-C	175	2% Gel & 10% Salt

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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

Date of first Production/Injection or Resumed Production/ Injection: 1/5/2022	Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	40		7		

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	5188	5194
		5210	5214

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
3	5188	5194			Swabbed down, Acidized with 1000 gal MCA, Swab tested
4	5210	5214			Swab tested, Acidized with 750 gallons MCA, Swab tested
					Problem with packer placement, reset tubing and packer and swab tested.
					Ran tubing, rods and downhole equip, Set surface equip and turned to production 1/5/2022

TUBING RECORD: Size: 2.3750 Set At: 5195 Packer At: None

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

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	SWONGER 4-4
Doc ID	1620845

All Electric Logs Run

Dual Induction
Density -Neutron
Micro-log
Sonic

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	SWONGER 4-4
Doc ID	1620845

Tops

Name	Top	Datum
Heebner Shale	4300	(-1808)
Brown Limestone	4435	(-1943)
Lansing	4446	(-1954)
Stark Shale	4789	(-2297)
Base Kansas City	4913	(-2421)
Pawnee	5005	(-2513)
Cherokee Shale	5053	(-2561)
Base Penn Limestone	5158	(-2626)
Mississippian	5176	(-2684)
LTD	5222	(-2730)
RTD	5224	(-2732)

Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	SWONGER 4-4
Doc ID	1620845

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	647	MDC & Common	300	0-2% Gel, 3% CC & 1/2# Flo-seal/sx
Production	7.875	4.5	11.6	5223	Pro-C	175	2% Gel & 10% Salt

QUALITY WELL SERVICE, INC.

7794

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

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 10-20-21	4	29S	23W	FORD	KS		

Lease SWONEER Well No. 4-4 Location KINGSDOWN KS N to Wilburn Rd

Contractor DUKE DRLG. RIG #1 Owner 4.5 W SINTO

Type Job SURFACE

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size	12¼	T.D.	650'
Csg.	8⅝ 23'	Depth	647'
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	39.56
Meas Line		Displace	37.83

Charge To VINCENT O.L CORP

Street

City State

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

Cement Amount Ordered 125sk MDC 3%CC ½#PS
175 sk Common 2% Gel 3%CC ½#PS

EQUIPMENT

Pumptrk 9	No.		
Bulktrk 12	No.		
Bulktrk	No.		
Pickup	No.		

JOB SERVICES & REMARKS

Rat Hole	
Mouse Hole	
Centralizers	
Baskets	
D/V or Port Collar	
Run 16 JTS 8⅝ 23# CSG SET @ 647'	
START CSG CSG on Bottom	
Hook up to CSG & Break Circ w/rig	
START Pumping 10 BBLS H2O	
START MIX & Pump 125sk MDC @ 12#/GAL	
START MIX & Pump 175sk Comm @ 14.8#/GAL	
SHUT DOWN RELEASE 8⅝ WOODEN PLUG	
START DISP	
PLUG DOWN 500# 38.83	
Close Valve on CSG	
Good Circ thru JOB	
Circ CMT TO PIT	
THANK YOU	
PLEASE CALL AGAIN	
TOM MIKE Richard	

Common	175 sk
Poz Mix	125 sk
Gel.	329#
Calcium	346#
Hulls	10
Salt	
Flowseal	150#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	320
Mileage	60/10000

8⅝ FLOAT EQUIPMENT

Guide Shoe	H.M 1 EA
Centralizer	BAFFLE Plate 1 EA
Baskets	WOODEN PLUG 1 EA
AFU Inserts	
Float Shoe	
Latch Down	
	SERVICE SUPV 1 EA
	LMV 60
Pumptrk Charge	SURFACE
Mileage	120
Tax	
Discount	
Total Charge	

X Signature

Taylor Printing, Inc.

QUALITY WELL SERVICE, INC.

7801

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

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 10-30-21	4	29S	23W	FORD	KS		

Lease SWONGER Well No. 4-4 Location KINSDOWN KS N to WITHIN 2 MI

Contractor DUKE DRLG. RIG #1 Owner 4.5 W 5 into

Type Job LS

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size	7 7/8	T.D.	5224'
Csg.	4 1/2	Depth	5223'
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	10.57
Meas Line		Displace	80.79

Charge To VINCENT OIL CORP.

Street

City State

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

Cement Amount Ordered 225 SK 2% GEL 10% SALT 5# KOLSEAL .6% C16A .25% C41P 25# RS

EQUIPMENT

Pumptrk 8	No.		
Bulktrk 10	No.		
Bulktrk	No.		
Pickup	No.		

Common 225 SK

Poz. Mix

Gel. 423 #

Calcium

Hulls

Salt 1239 #

Flowseal 53 #

Kol-Seal 1125 #

Mud CLR 48 500 GAL

CFL-117 or CD110 CAF-38 C16A 127 #

Sand C-17 GAL C41P 53 #

Handling 277

Mileage 60 / 9500

JOB SERVICES & REMARKS

Rat Hole 30 SK

Mouse Hole 20 SK

Centralizers 1-3-5-7-9-11

Baskets

D/V or Port Collar

Run 129 JTS 4 1/2 11.6# CSG SET @ 5223'
START CSG CSG on Bottom TAG
Hook up to CSG & Break Circ with Rig & Rotate
START Pumping 10 BBL H2O 12 BBL MF 10 BBL H2O
START PUMP R-M Holes 50 SK
START MIX & Pump 175 SK @ CSG @ 14.8 #/GAL
SHUT DOWN Wash out & RELEASE 4 1/2 LD Plug
START DISP W/ 2% KCL
LIFT PSI 550# 63 BBL out
PLUG DOWN @ 0118 1100#
PUMP CSG 1700#
RELEASE HELD 1/2 BBL BACK
Good Circ THRU JOB
THANK YOU
PLEASE CALL AGAIN
TOM MIKE RICHARD

4 1/2 **FLOAT EQUIPMENT**

Guide Shoe

Centralizer 6 EA

Baskets H/M 1 EA

AFU ~~Inserts~~ ROTATE HEAD 1 EA

Float Shoe 1 EA

Latch Down 1 EA

SERVICE SUPV 1 EA

LMV 60

Pumptrk Charge LS

Mileage 120

Tax

Discount

Total Charge

X Signature

DRILL STEM TEST REPORT

Vincent Oil Corp

200 W Douglas Ave. #725
Wichita, Ks 67202

ATTN: Tom Dudgeon

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67728 **DST#: 1**

Test Start: 2021.10.27 @ 01:56:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:48:00
Time Test Ended: 11:25:45

Test Type: Conventional Straddle (Initial)
Tester: Bradley Walter
Unit No: 78

Interval: 4975.00 ft (KB) To 5000.00 ft (KB) (TVD)
Total Depth: 5016.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

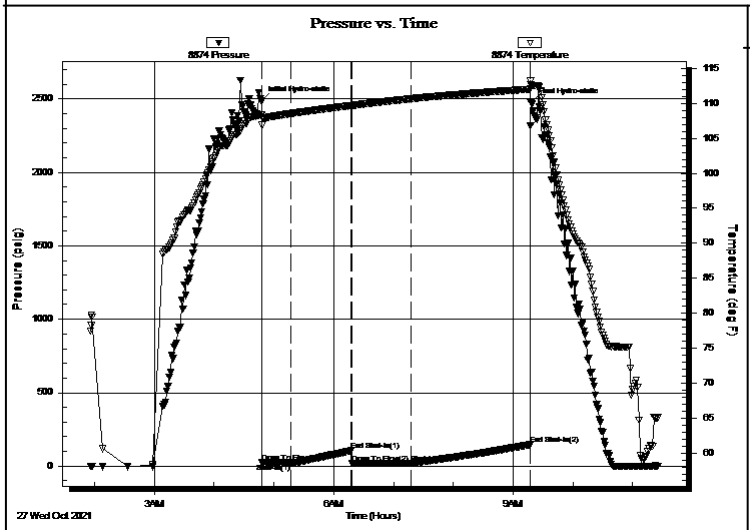
Reference Elevations: 2492.00 ft (KB)
2480.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8874 **Inside**

Press@RunDepth: 17.95 psig @ 4976.00 ft (KB)
Start Date: 2021.10.27 End Date: 2021.10.27
Start Time: 01:56:05 End Time: 11:25:45

Capacity: 8000.00 psig
Last Calib.: 2021.10.27
Time On Btm: 2021.10.27 @ 04:47:45
Time Off Btm: 2021.10.27 @ 09:17:45

TEST COMMENT: IF: Surface Blow .
ISI: No return.
FF: 2 1/4" blow .
FSI: No return. 30-60-60-120



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2484.72	108.34	Initial Hydro-static
1	23.77	106.91	Open To Flow (1)
30	20.60	108.56	Shut-In(1)
90	104.48	109.69	End Shut-In(1)
91	18.27	109.67	Open To Flow (2)
151	17.95	110.68	Shut-In(2)
270	145.40	112.04	End Shut-In(2)
270	2473.79	112.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m Oil spots in tool	0.14
0.00	50- GIP	0.00

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

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67728 **DST#: 1**

Test Start: 2021.10.27 @ 01:56:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:48:00
Time Test Ended: 11:25:45

Test Type: Conventional Straddle (Initial)
Tester: Bradley Walter
Unit No: 78

Interval: 4975.00 ft (KB) To 5000.00 ft (KB) (TVD)
Total Depth: 5016.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

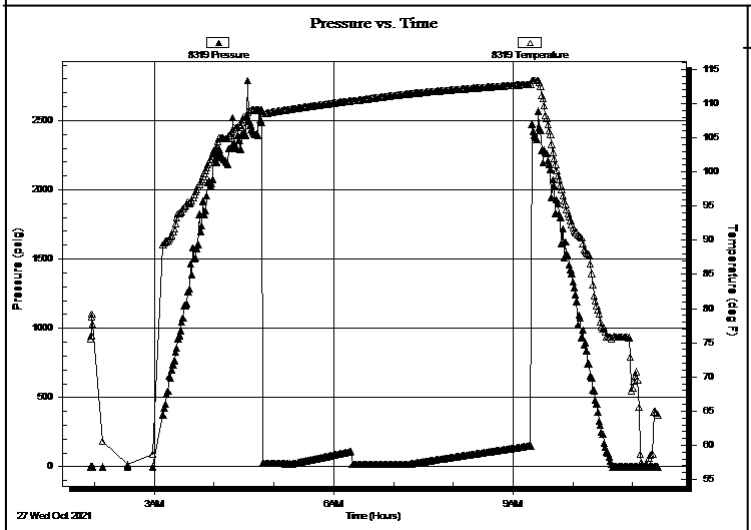
Reference Elevations: 2492.00 ft (KB)
2480.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8319 **Outside**

Press@RunDepth: psig @ 4976.00 ft (KB)
Start Date: 2021.10.27 End Date: 2021.10.27
Start Time: 01:56:05 End Time: 11:25:45

Capacity: 8000.00 psig
Last Calib.: 2021.10.27
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Surface Blow .
ISI: No return.
FF: 2 1/4" blow .
FSI: No return. 30-60-60-120



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m Oil spots in tool	0.14
0.00	50- GIP	0.00

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

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67728 **DST#: 1**

Test Start: 2021.10.27 @ 01:56:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:48:00
Time Test Ended: 11:25:45

Test Type: Conventional Straddle (Initial)
Tester: Bradley Walter
Unit No: 78

Interval: 4975.00 ft (KB) To 5000.00 ft (KB) (TVD)
Total Depth: 5016.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

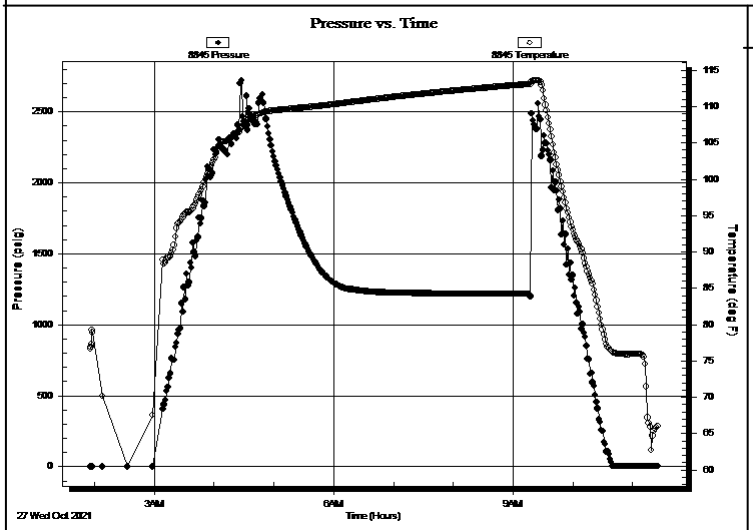
Reference Elevations: 2492.00 ft (KB)
2480.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8845 **Below (Straddle)**

Press@RunDepth: psig @ 5001.00 ft (KB)
Start Date: 2021.10.27 End Date: 2021.10.27
Start Time: 01:56:05 End Time: 11:25:45

Capacity: 8000.00 psig
Last Calib.: 2021.10.27
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Surface Blow .
ISI: No return.
FF: 2 1/4" blow .
FSI: No return. 30-60-60-120



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m Oil spots in tool	0.14
0.00	50- GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp

200 W Douglas Ave. #725
Wichita, Ks 67202

ATTN: Tom Dudgeon

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67728 **DST#: 1**

Test Start: 2021.10.27 @ 01:56:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	0 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.60 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7200.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

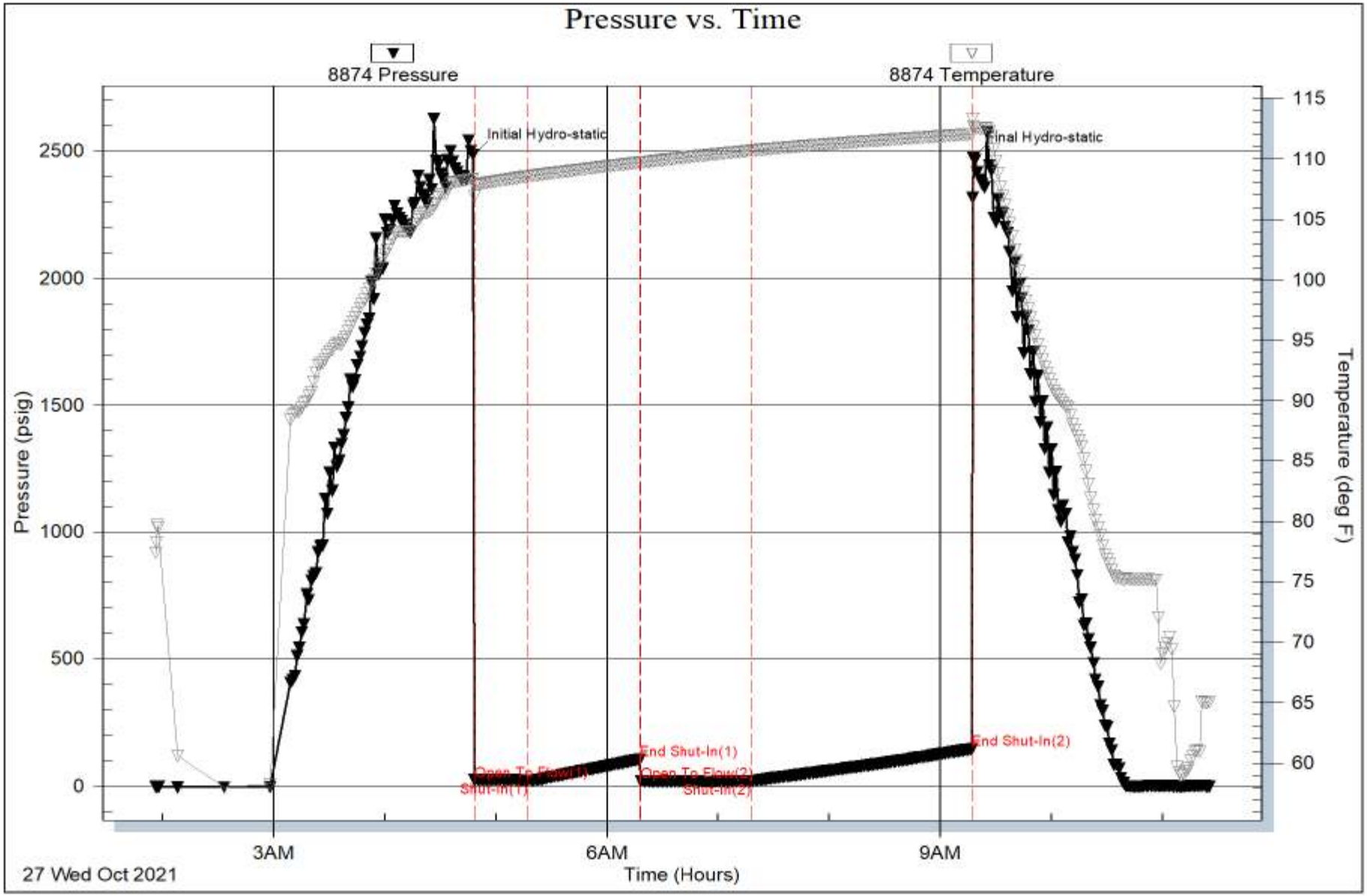
Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100m Oil spots in tool	0.140
0.00	50- GIP	0.000

Total Length: 10.00 ft Total Volume: 0.140 bbl

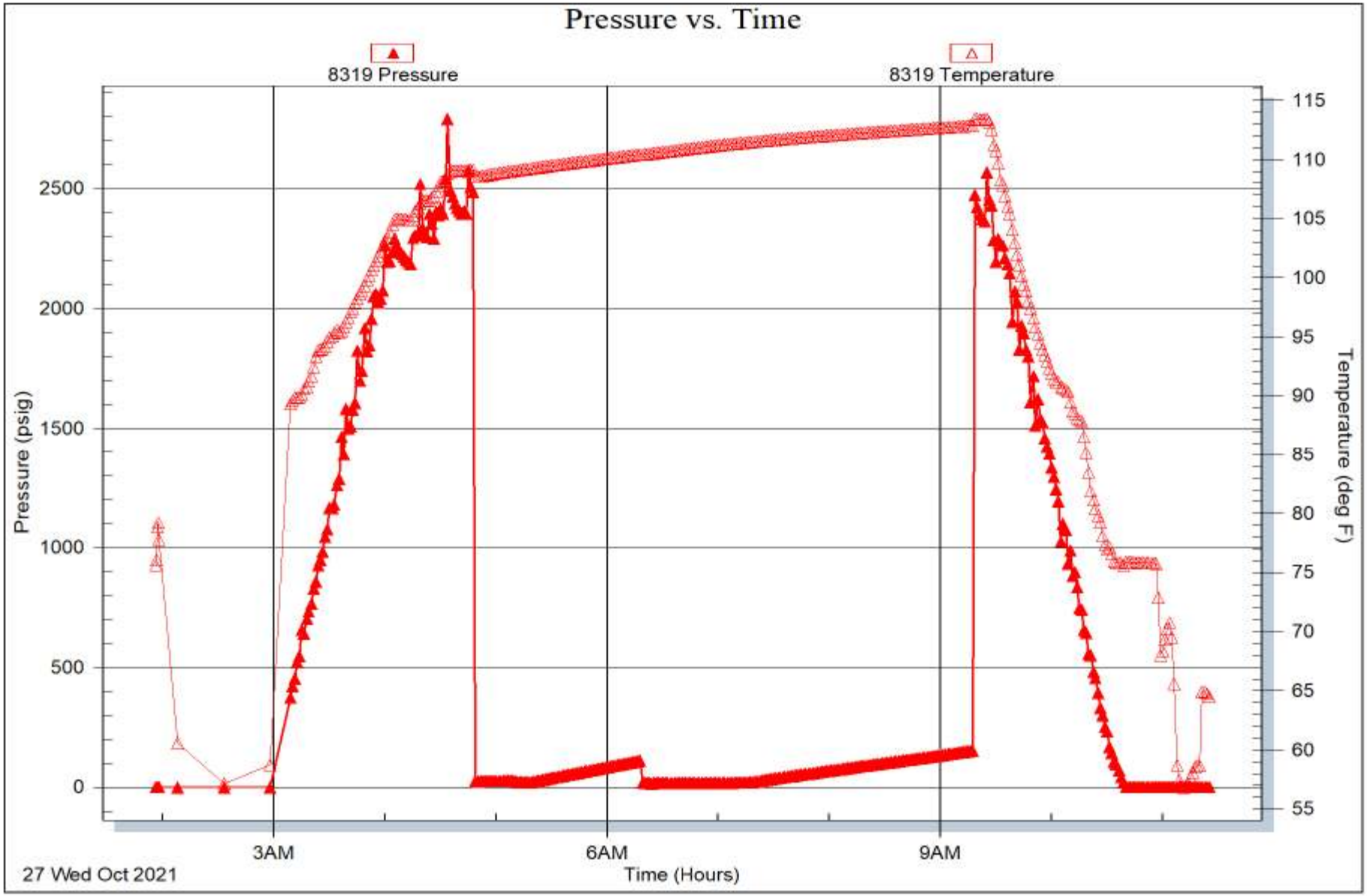
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8874 **Inside** Vincent Oil Corp Sw onger 4-4 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 67728 Printed: 2021.10.27 @ 12:24:39

Serial #: 8319 **Outside** Vincent Oil Corp Sw onger 4-4 DST Test Number: 1



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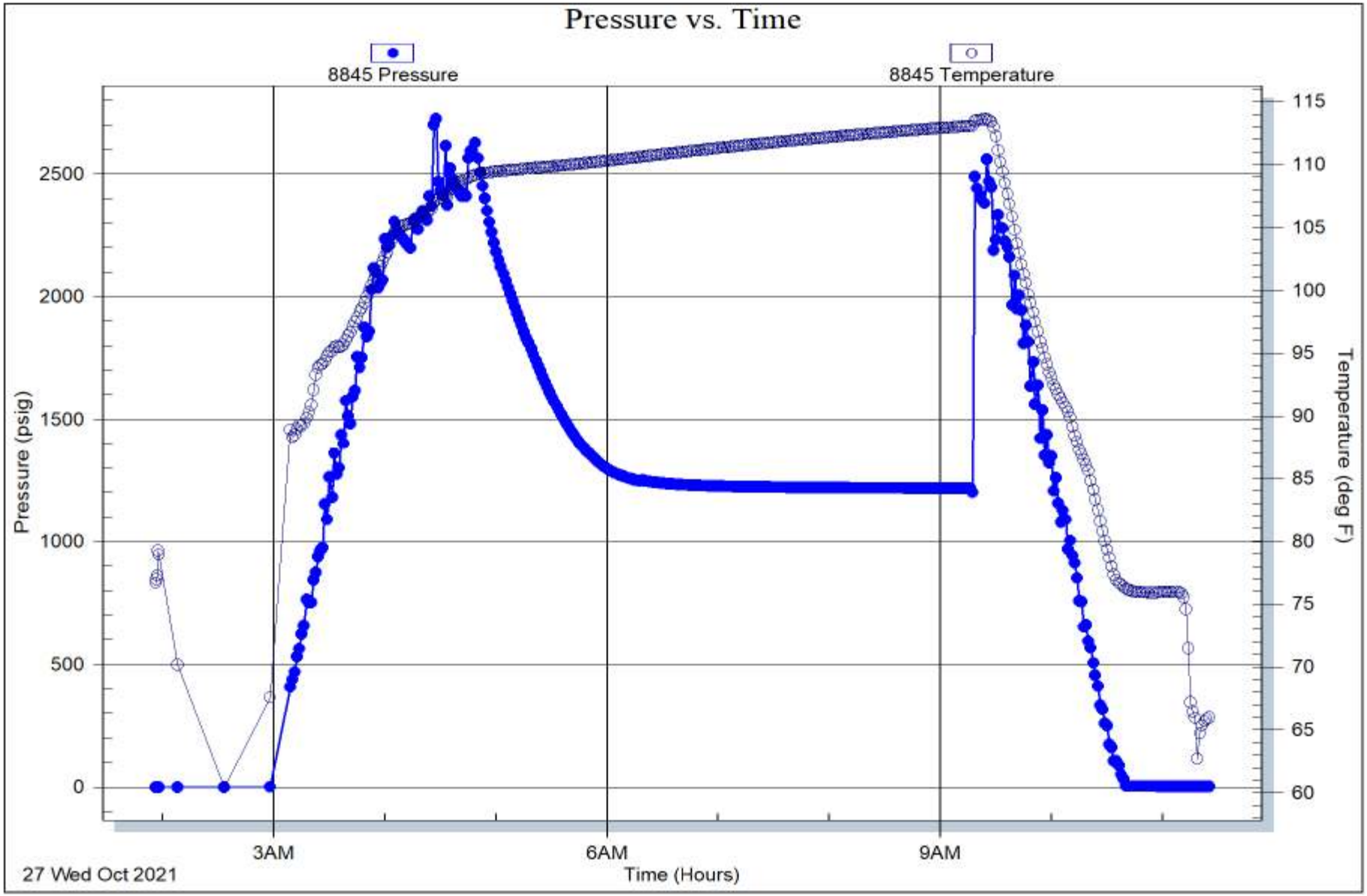

Pressure vs. Time
8845 Pressure
8845 Temperature
Pressure (psig)
Temperature (deg F)
2500
2000
1500
1000
500
0
115
110
105
100
95
90
85
80
75
70
65
60
3AM
6AM
9AM
Time (Hours)
27 Wed Oct 2021

DRILL STEM TEST REPORT

Vincent Oil Corp

200 W Douglas Ave. #725
Wichita, Ks 67202

ATTN: Tom Dudgeon

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67729 **DST#: 2**

Test Start: 2021.10.28 @ 12:46:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:14:30
Time Test Ended: 23:03:45

Test Type: Conventional Straddle (Reset)
Tester: Bradley Walter
Unit No: 78

Interval: 5188.00 ft (KB) To 5200.00 ft (KB) (TVD)
Total Depth: 5200.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

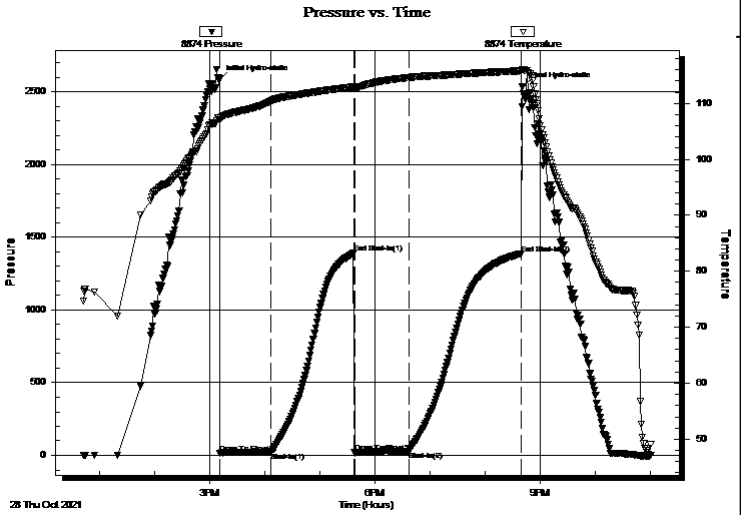
Reference Elevations: 2492.00 ft (KB)
2480.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8874 **Inside**

Press@RunDepth: 25.19 psig @ 5189.00 ft (KB)
Start Date: 2021.10.28 End Date: 2021.10.28
Start Time: 12:43:05 End Time: 23:00:45

Capacity: 8000.00 psig
Last Calib.: 2021.10.28
Time On Btm: 2021.10.28 @ 15:11:00
Time Off Btm: 2021.10.28 @ 20:41:15

TEST COMMENT: IF: 12.8" blow .
ISI: No return.
FF: 42.5" blow .
FSI: No return. 60-90-60-120



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2587.38	107.50	Initial Hydro-static
1	14.43	107.14	Open To Flow (1)
57	21.57	110.42	Shut-In(1)
147	1389.34	112.92	End Shut-In(1)
148	17.87	112.61	Open To Flow (2)
206	25.19	114.61	Shut-In(2)
329	1387.13	115.81	End Shut-In(2)
331	2535.56	116.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	gw ocm 10g 15w 25o 50m	0.35
0.00	580' - GIP	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

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67729 **DST#: 2**

Test Start: 2021.10.28 @ 12:46:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:14:30
Time Test Ended: 23:03:45

Test Type: Conventional Straddle (Reset)
Tester: Bradley Walter
Unit No: 78

Interval: 5188.00 ft (KB) To 5200.00 ft (KB) (TVD)
Total Depth: 5200.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

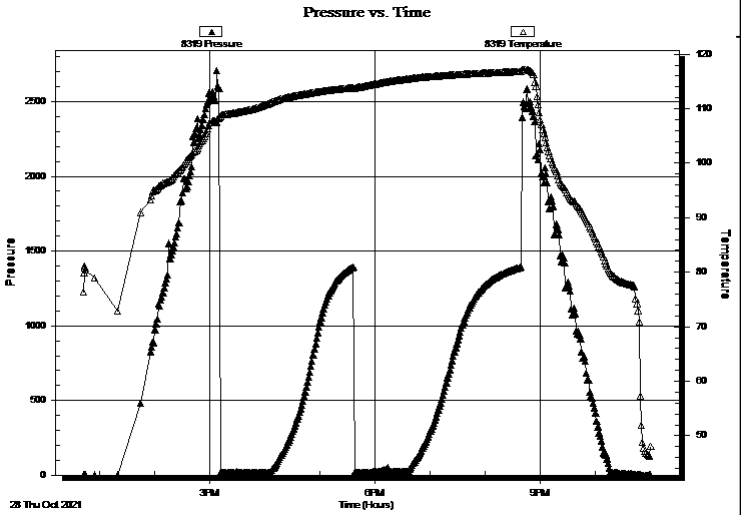
Reference Elevations: 2492.00 ft (KB)
2480.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8319 **Outside**

Press@RunDepth: psig @ 5189.00 ft (KB)
Start Date: 2021.10.28 End Date: 2021.10.28
Start Time: 12:43:05 End Time: 23:00:45

Capacity: 8000.00 psig
Last Calib.: 2021.10.28
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 12.8" blow .
ISI: No return.
FF: 42.5" blow .
FSI: No return. 60-90-60-120



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
25.00	gw ocm 10g 15w 25o 50m	0.35
0.00	580' - GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp

200 W Douglas Ave. #725
Wichita, Ks 67202

ATTN: Tom Dudgeon

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67729 **DST#: 2**

Test Start: 2021.10.28 @ 12:46:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	0 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	29000 ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	gw ocm 10g 15w 25o 50m	0.351
0.00	580' - GIP	0.000

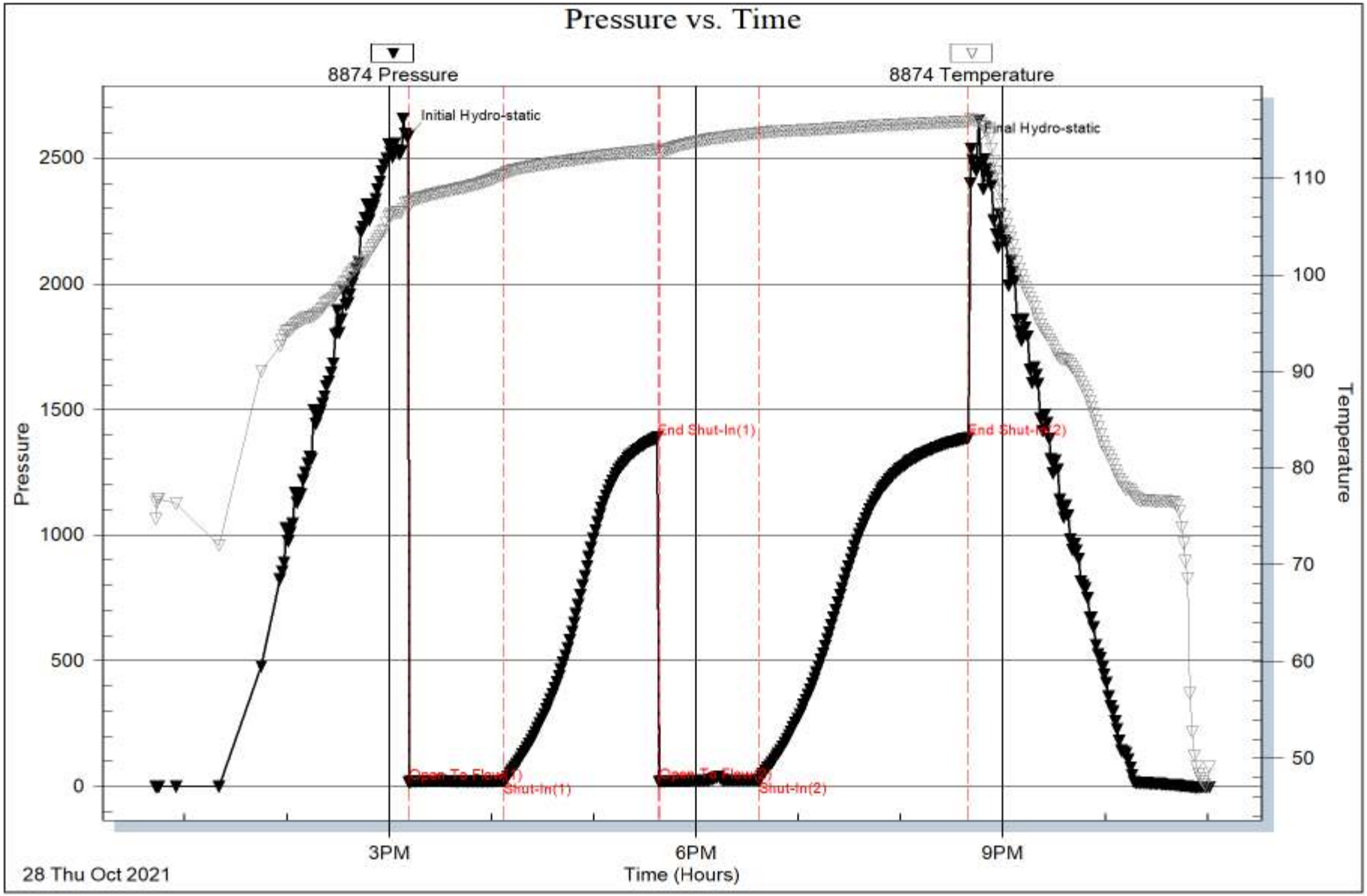
Total Length: 25.00 ft Total Volume: 0.351 bbl

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

Laboratory Name: Laboratory Location:

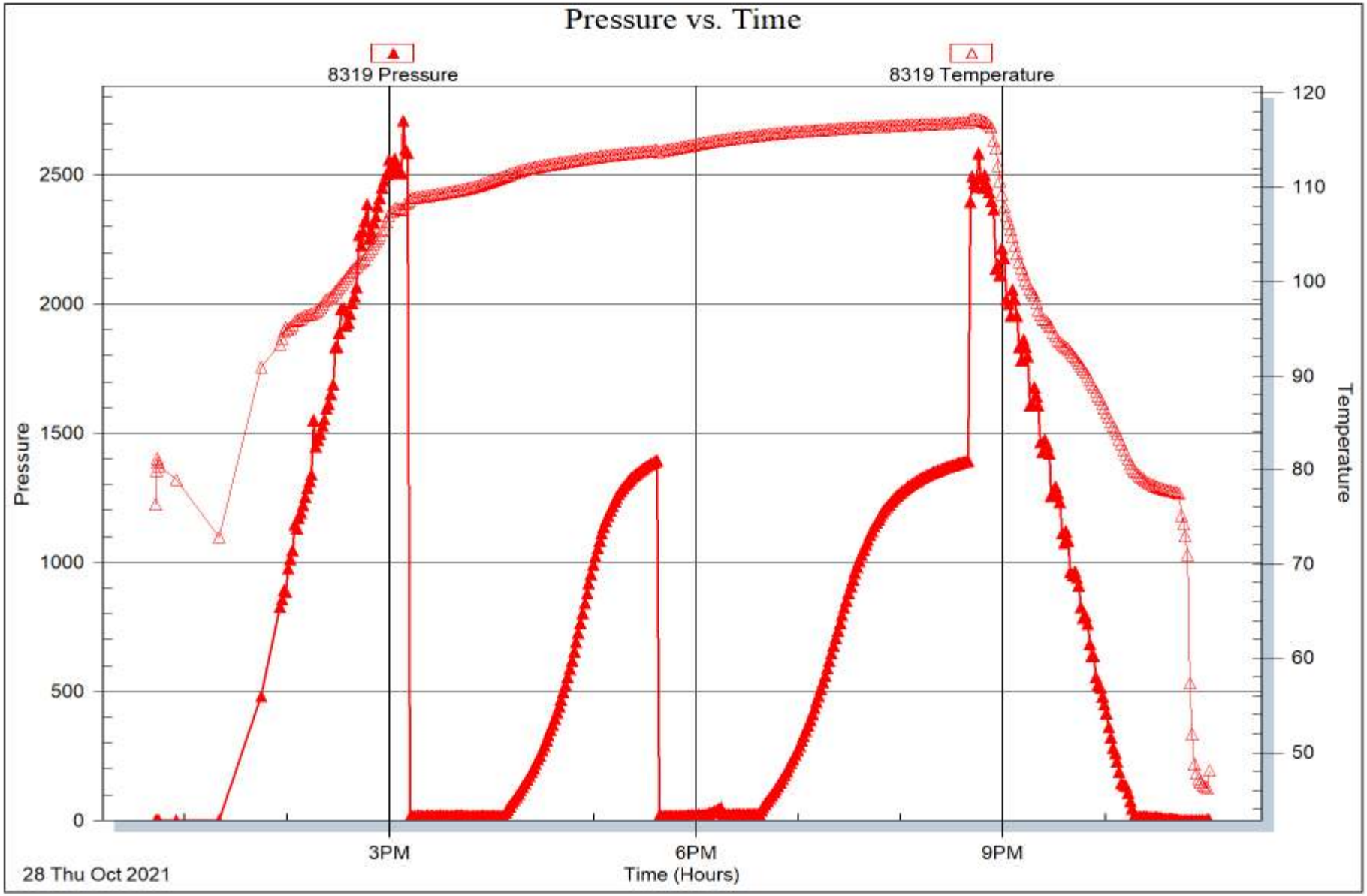
Recovery Comments: rw is .282 @ 56F = 29000ppm

Serial #: 8874 **Inside** Vincent Oil Corp Sw onger 4-4 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67729 Printed: 2021.10.29 @ 07:27:29

Serial #: 8319 **Outside** Vincent Oil Corp Sw onger 4-4 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67729 Printed: 2021.10.29 @ 07:27:29

DRILL STEM TEST REPORT

Vincent Oil Corp

200 W Douglas Ave. #725
Wichita, Ks 67202

ATTN: Tom Dudgeon

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67730 **DST#: 3**

Test Start: 2021.10.29 @ 09:02:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:54:45
Time Test Ended: 18:48:15

Test Type: Conventional Straddle (Reset)
Tester: Bradley Walter
Unit No: 78

Interval: 5210.00 ft (KB) To 5224.00 ft (KB) (TVD)
Total Depth: 5210.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

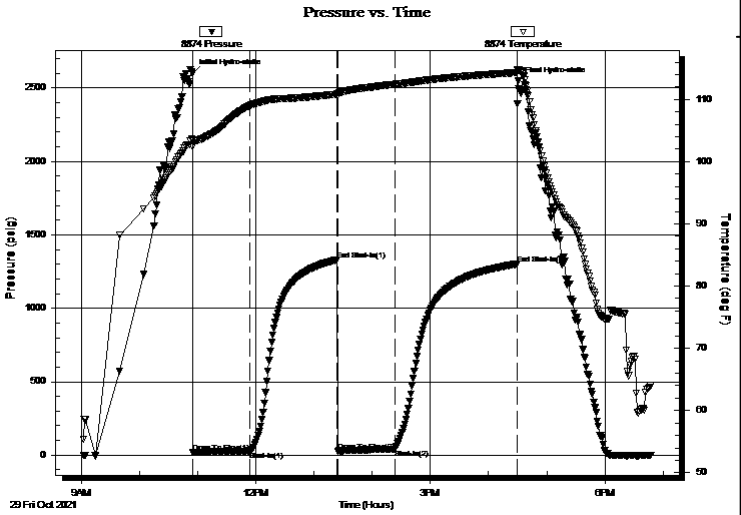
Reference Elevations: 2492.00 ft (KB)
2480.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8874 **Inside**

Press@RunDepth: 41.77 psig @ 5211.00 ft (KB)
Start Date: 2021.10.29 End Date: 2021.10.29
Start Time: 09:02:05 End Time: 18:48:15

Capacity: 8000.00 psig
Last Calib.: 2021.10.29
Time On Btm: 2021.10.29 @ 10:54:30
Time Off Btm: 2021.10.29 @ 16:30:15

TEST COMMENT: IF: 9.2" blow .
ISI: No return.
FF: 37.9" blow .
FSI: No return. 60-90-60-120



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2599.81	103.58	Initial Hydro-static
1	20.67	102.39	Open To Flow (1)
59	28.73	108.97	Shut-In(1)
150	1330.30	110.85	End Shut-In(1)
151	27.34	110.61	Open To Flow (2)
209	41.77	112.43	Shut-In(2)
335	1300.67	114.31	End Shut-In(2)
336	2546.44	114.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	omcw 10o 40m 50w	0.84
20.00	Oil 100o	0.28
0.00	400' GIP	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

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67730 **DST#: 3**

Test Start: 2021.10.29 @ 09:02:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:54:45
Time Test Ended: 18:48:15

Test Type: Conventional Straddle (Reset)
Tester: Bradley Walter
Unit No: 78

Interval: 5210.00 ft (KB) To 5224.00 ft (KB) (TVD)
Total Depth: 5210.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

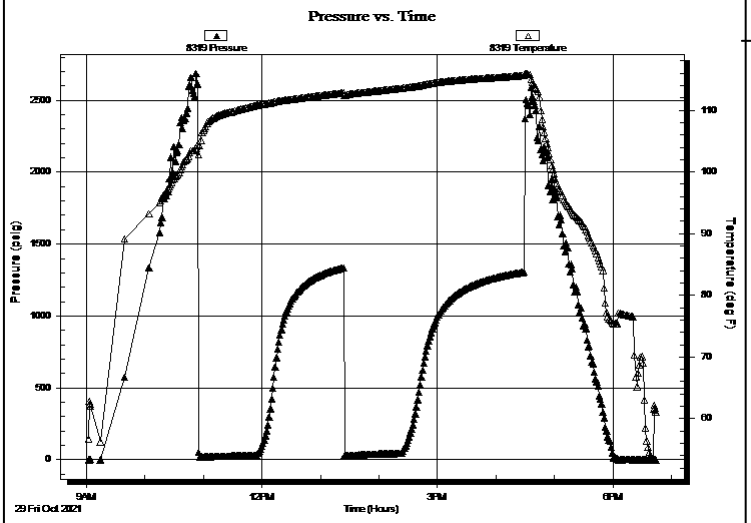
Reference Elevations: 2492.00 ft (KB)
2480.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8319 **Outside**

Press@RunDepth: psig @ 5211.00 ft (KB)
Start Date: 2021.10.29 End Date: 2021.10.29
Start Time: 09:02:05 End Time: 18:43:58

Capacity: 8000.00 psig
Last Calib.: 2021.10.29
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 9.2" blow .
ISI: No return.
FF: 37.9" blow .
FSI: No return. 60-90-60-120



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	omcw 10o 40m 50w	0.84
20.00	Oil 100o	0.28
0.00	400' GIP	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corp

200 W Douglas Ave. #725
Wichita, Ks 67202

ATTN: Tom Dudgeon

4 29s 23w Ford Ks

Swonger 4-4

Job Ticket: 67730 **DST#: 3**

Test Start: 2021.10.29 @ 09:02:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	40 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	88000 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8800.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	omcw 10o 40m 50w	0.842
20.00	Oil 100o	0.281
0.00	400' GIP	0.000

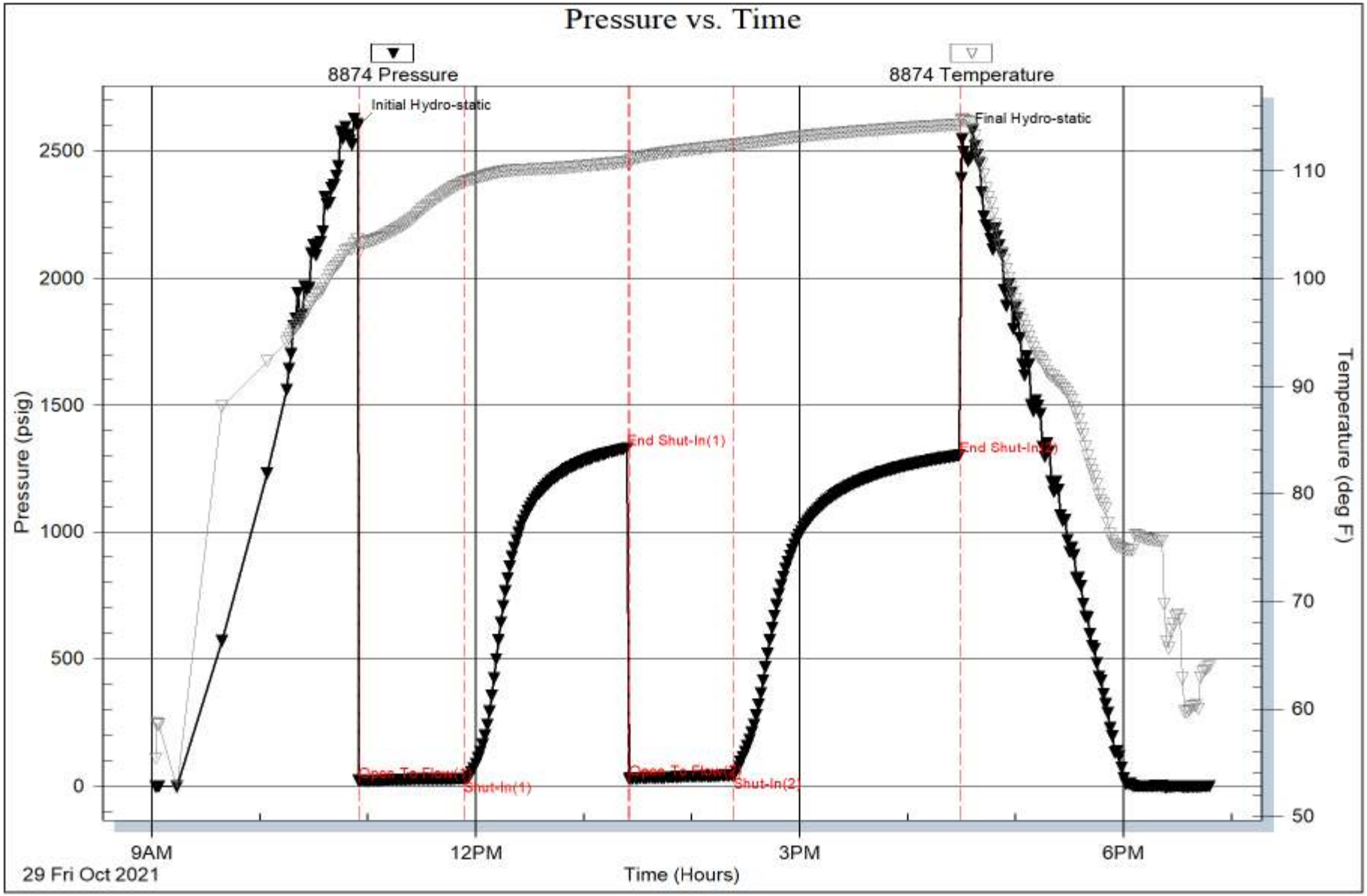
Total Length: 80.00 ft Total Volume: 1.123 bbl

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

Laboratory Name: Laboratory Location:

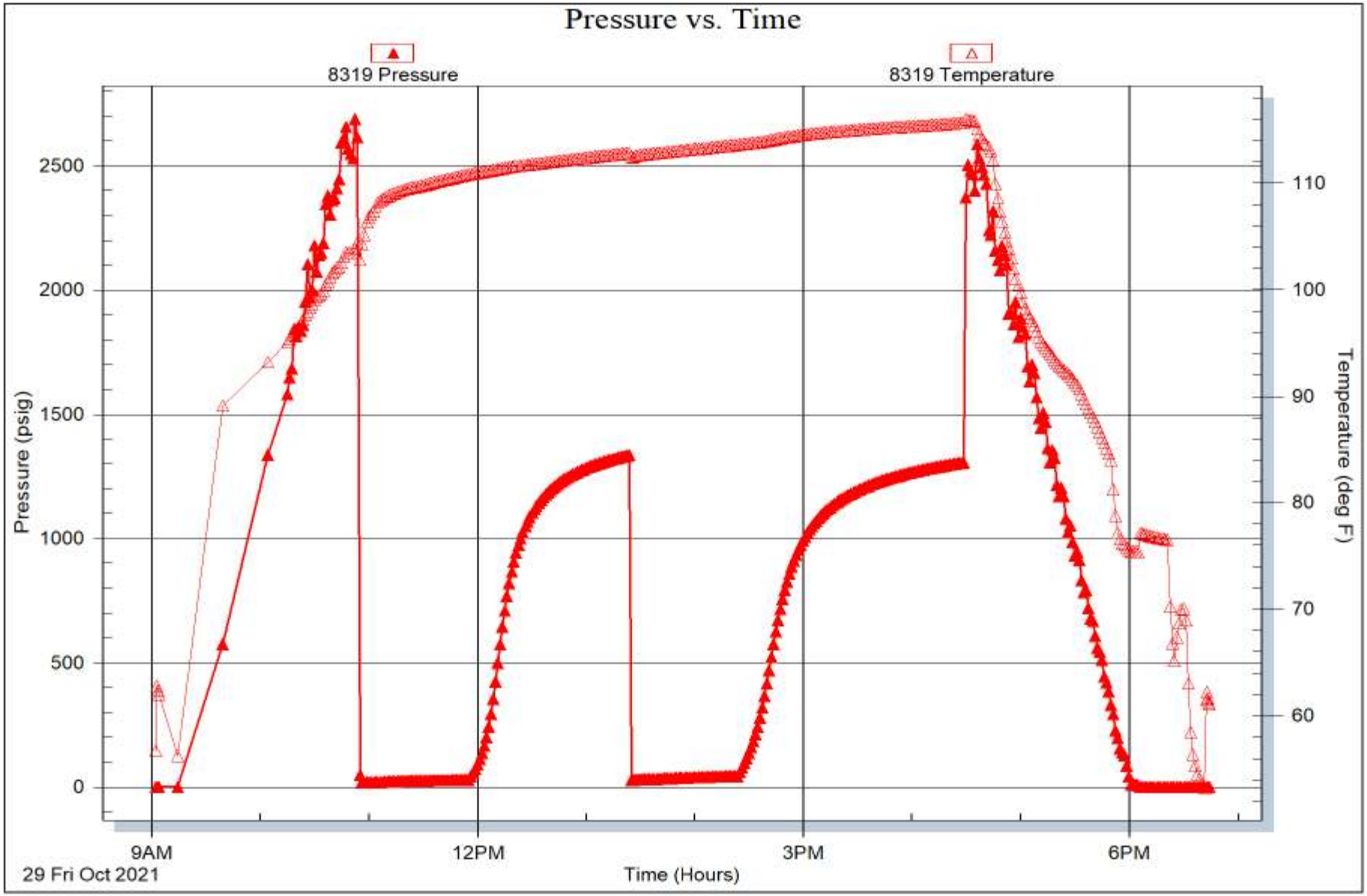
Recovery Comments: rw is .101 @61F = 88000PPM

Serial #: 8874 **Inside** Vincent Oil Corp Sw onger 4-4 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 67730 Printed: 2021.10.29 @ 22:10:47

Serial #: 8319 **Outside** Vincent Oil Corp Sw onger 4-4 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 67730 Printed: 2021.10.29 @ 22:10:47

Scale 1:240 Imperial

Well Name:	SWONGER #4-4		
Surface Location:	330' FNL _1930' FWL 4-29S-23W		
Bottom Location:			
API:	15-057-21058-0000		
License Number:	5004		
Spud Date:	10/19/2021	Time:	5:00 PM
Region:	MID CONT.		
Drilling Completed:	10/29/2021	Time:	12:17 AM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	2480.00ft		
K.B. Elevation:	2492.00ft		
Logged Interval:	4250.00ft	To:	5224.00ft
Total Depth:	5224.00ft		
Formation:	MISSISSIPPIAN		
Drilling Fluid Type:	CHEMICAL MUD		

OPERATOR

Company:	VINCENT OIL CORPORATION		
Address:	200 W DOUGLAS AVE STE 725 WICHITA, KS 67202		
Contact Geologist:	DICK JORDAN		
Contact Phone Nbr:	316-262-3573		
Well Name:	SWONGER #4-4		
Location:	330' FNL _1930' FWL 4-29S-23W		
API:	15-057-21058-0000		
Pool:	WILDCAT	Field:	
State:	KS	Country:	USA

CONTRACTOR

Contractor:	DUKE DRILLING CO., INC.		
Rig #:	1		
Rig Type:	MUD ROTARY		
Spud Date:	10/19/2021	Time:	5:00 PM
TD Date:	10/29/2021	Time:	12:17 AM
Rig Release:	10/30/2021	Time:	11:30 PM

LOGGED BY

Company:	VINCENT OIL CORP.		
Address:			
Phone Nbr:	316-262-3573		
Logged By:	Geologist	Name:	TOM DUDGEON

ELEVATIONS

K.B. Elevation:	2492.00ft	Ground Elevation:	2480.00ft
K.B. to Ground:	12.00ft		

SURFACE CO-ORDINATES

Well Type:	Vertical
Longitude:	-99.84377
Latitude:	37.5567991
N/S Co-ord:	
E/W Co-ord:	

TOTAL DEPTH

Measurement Type:	Measurement Depth:	TVD:
RTD	5224.00	5222.00
LTD	5222.00	5222.00

DRILLING FLUID SUMMARY

Type	Date	From Depth	To Depth
CHEMICAL MUD	10/22/2021	3800.00ft	5224.00ft

OPEN HOLE LOGS

Logging Company:	ELI		
Logging Engineer:	JEFF LUEBBERS		
Truck #:	922339		
Logging Date:	10/30/2021	Time Spent:	7
# Logs Run:	4	# Logs Run Successful:	4

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
DI	0.00ft	5222.00ft	3.00		1
NDE/NEU/PE	4200.00ft	5222.00ft	3.00		1
MICRO	4200.00ft	5222.00ft	4.00		2
SONIC	0.00ft	5222.00ft	4.00		2

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
10/22/2021	0.00ft	5222.00ft	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	647 ft	23#	16	10/20/2021 4:15 PM
Int Casing					
Prod Casing	4.5 in	5223 ft	11.6	129	10/30/2021 9:30 PM

CASING SEQUENCE

Type	Hole Size	Casing Size	At
SURFACE	12.25 in	8.63	647.00 ft
PRODUCTION	7.88 in	4.50	5223.00 ft

NOTES

ROCKS CLASSIFIED USING DUNHAM'S CLASSIFICATION
Mudstone
a mud-supported carbonate rock containing <10% grains

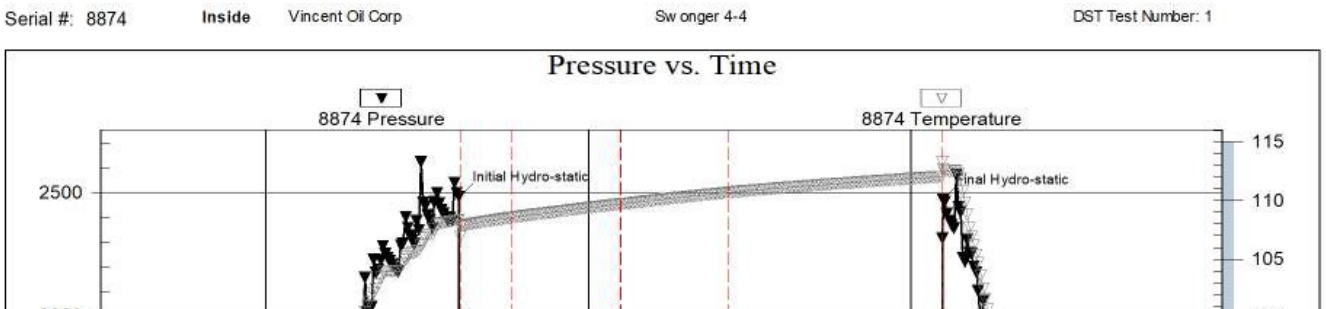
a mud-supported carbonate rock containing <10% grains
Wackestone
a mud-supported carbonate lithology containing >10% grains
Packstone
a grain-supported fabric containing 1% or more mud-grade fraction

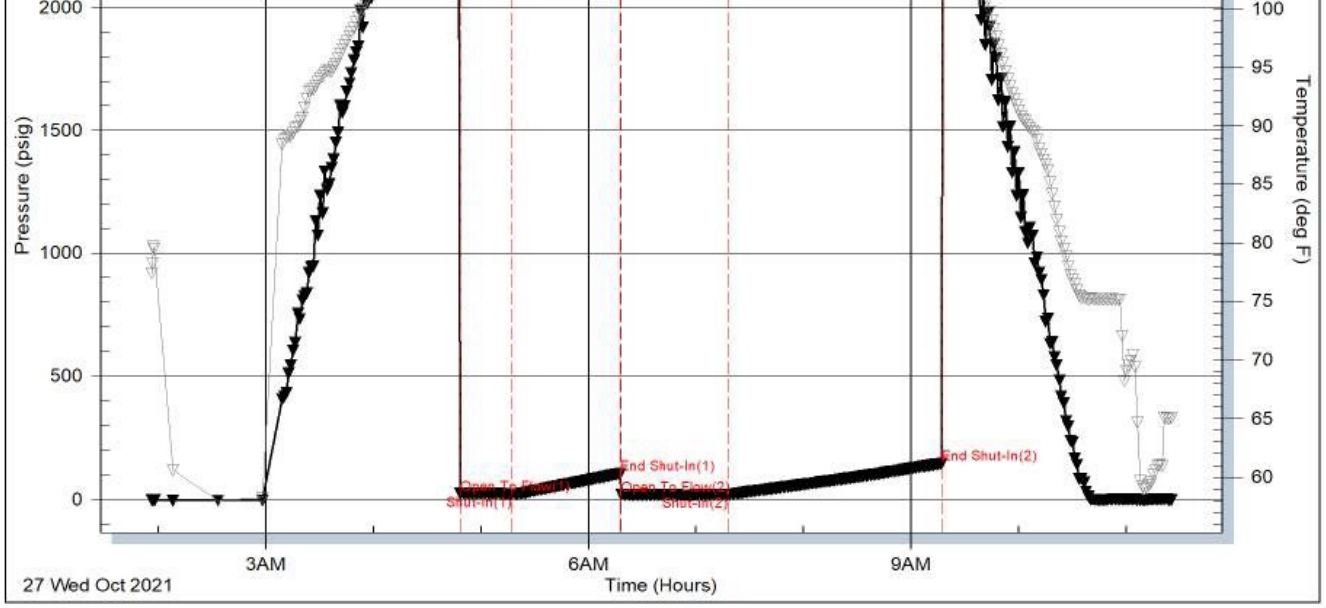
			STRAIGHT HOLE SURVEY	Degree	Depth
				3/4°	650'
				3/4°	1671'
				1°	2681'
				1°	3624'
REFERENCE WELLS	A	B		1°	4601'
	Vincent Oil Corporation	Vincent Oil Corporation		1°	5016'
	Swonger #1-4	BNB #1-5			
	350' FNL & 1255' FEL	360' FNL & 1040 FEL			
	4-29-23W	5-29-23W			

SAMPLE TOPS		REF. WELL A	REF. WELL B	ELECTRIC LOG	REF. WELL A	REF. WELL B
Heebner Shale	4302 (-1810)	-6	-12	4300 (-1808)	-4	-10
Brown Limestone	4439(-1947)	-8	-13	4435 (-1943)	-4	-9
Lansing-Kansas City	4451 (-1959)	-10	-14	4446 (-1954)	-5	-9
Stark Shale	4790 (-2298)	-10	-18	4789 (-2297)	-9	-17
Hushpuckney Shale	4830 (-2338)	-16	-18	4829 (-2337)	-15	-17
Base Kansas City	4921 (-2429)	-18	-24	4913 (-2421)	-10	-16
Marmaton	4938 (-2446)	-14	-20	4926 (-2434)	-2	-8
Pawnee	5009 (-2517)	-16	-16	5005 (-2513)	-12	-12
Cherokee Shale	5058 (-2566)	-20	-19	5053 (-2561)	-15	-14
Base Penn Limestone	5162 (-2670)	-16	-20	5151 (-2659)	-12	-16
Mississippian	5182 (-2690)	-11	-29	5176 (-2684)	-5	-23
RTD/ LTD	5224 (-2732)			5222 (-2730)		

10/19/2021 Moved in rig and rigged up, Spud well in at 5:00 PM, 10/19/2021, drilled 12 ¼" surface hole to 650', CTCH, ran short trip, CTCH, TOOH. Rigged up to run surface casing. Ran 16 joints of new 8 5/8" , 23# surface casing, set at 647' and cemented with 125 sx MDC (3% CC & ½# Flo-seal/sx) and 175 sx Common (2% Gel & 3% CC & ½# Flo-seal/sx),
10/20/2021 At 650', surface casing cementing completed, WOC, Drilled out from under surface casing plug at 4:15 PM 10/20/2021.
10/21/2021 At 1461', Drilling ahead
10/22/2021 At 2556', Drilling ahead
10/23/2021 At 3131', Drilling ahead
10/24/2021 At 3736', Drilling ahead
10/25/2021 At 4390', Drilling ahead
10/26/2021 At 4852', Drilling ahead, drilled to 5016', CFS, Ran short trip, CTCH, TOOH for test
10/27/2021 At 5016, DST #1 4975' to 5000' -Straddle Test with 16' of Tail Pipe (Upper Marmaton) in progress
10/28/2021 At 5184', Circulating for samples, Preparing to drill ahead. Drilled to ahead to 5200', CFS. Tripping out of hole for DST #2 5188' to 5200' (Mississippian).
Drilled ahead to 5224', CFS
10/29/2021 At 5224', Preparing for DST #3 5210' to 5224' (Mississippian)
TIH with bit, CTCH for logs, TOOH. Ran electric logs (DIL, Density- Neutron, Micro log, & Sonic). Found LTD at 5222'.
10/30/2021 At 5224', logging operations completed at 8:15 AM 10/30/2021, TIH with bit CTCH, TOOH, LDDP & DC, Laid down Kelly & nippled down BOP, Ran 129 joints of new 4,5", 11,6# production casing with 10.5' shoe joint & with AFU guide shoe & latch down unit, Set casing at 5223' & CTCH, Cemented with 175 sx Pro C cement. Rathole was plugged with 30 sx and the mousehole plugged with 20 sx. Plug was down on production string at 9:30 PM 10/30/2021. The slips were set and the pits were cleared. The rig was released at 11:30 PM 10/30/2021.

DST #1

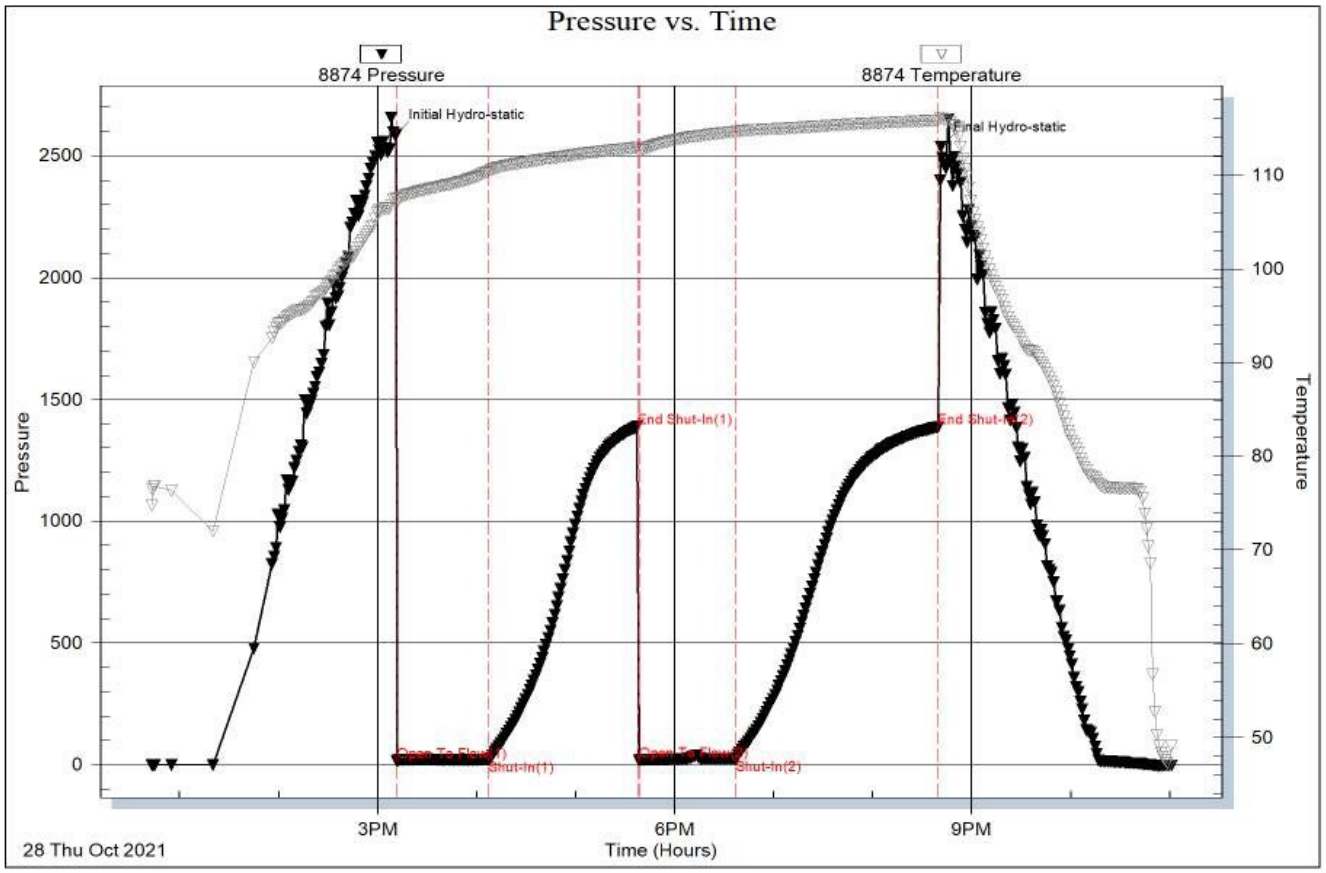




Trilobite Testing, Inc Ref. No: 67728 Printed: 2021.10.27 @ 12:24:39

DST #2

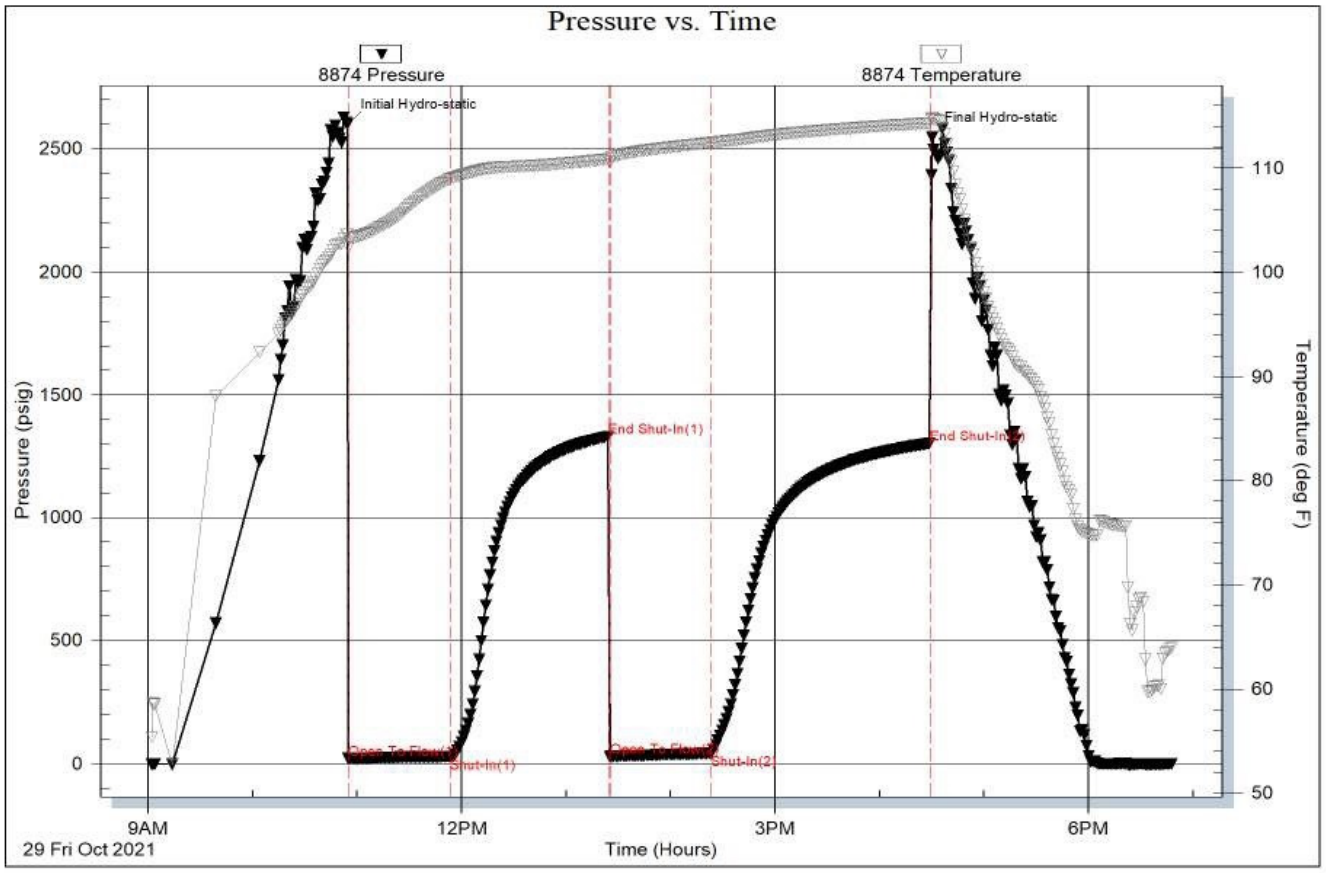
Serial #: 8874 **Inside** Vincent Oil Corp Sw onger 4-4 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67729 Printed: 2021.10.29 @ 07:27:29

DST #3

Serial #: 8874 **Inside** Vincent Oil Corp Sw onger 4-4 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 67730 Printed: 2021.10.29 @ 22:10:47

ROCK TYPES

Brec	Clystcol	Lmst fw<7	Shblck
Cht	Coal	Lmst fw7>	Shcol
Clystgy	Dolsec	Shgy	Cht vari

ACCESSORIES

MINERAL
- Argillaceous
- Calcareous
- Carbonaceous Flakes
- Chert, dark
- Glauconite
- Heavy, dark minerals
- Pyrite
- Sandy
- Silty
- Euhed rhombs of dol or
- Chert White

FOSSIL
- Bioclastic or Fragmental
- Brachiopod
- Crinoids
- Foraminifera
- Fossils < 20%
- Oolite
- Bioclast Fragment

STRINGER
- Dolomite
- Sandstone
- Shale

TEXTURE
- C Chalky
- e Earthy
- FX FinexIn
- MX MicroxIn

OTHER SYMBOLS

POROSITY TYPE
- Intercrystalline
- Interoolitic
- Vuggy
- Pinpoint
- Moldic
- Organic
- Fracture

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

INTERVALS
- Core
- DST

Earthy
Fenestral

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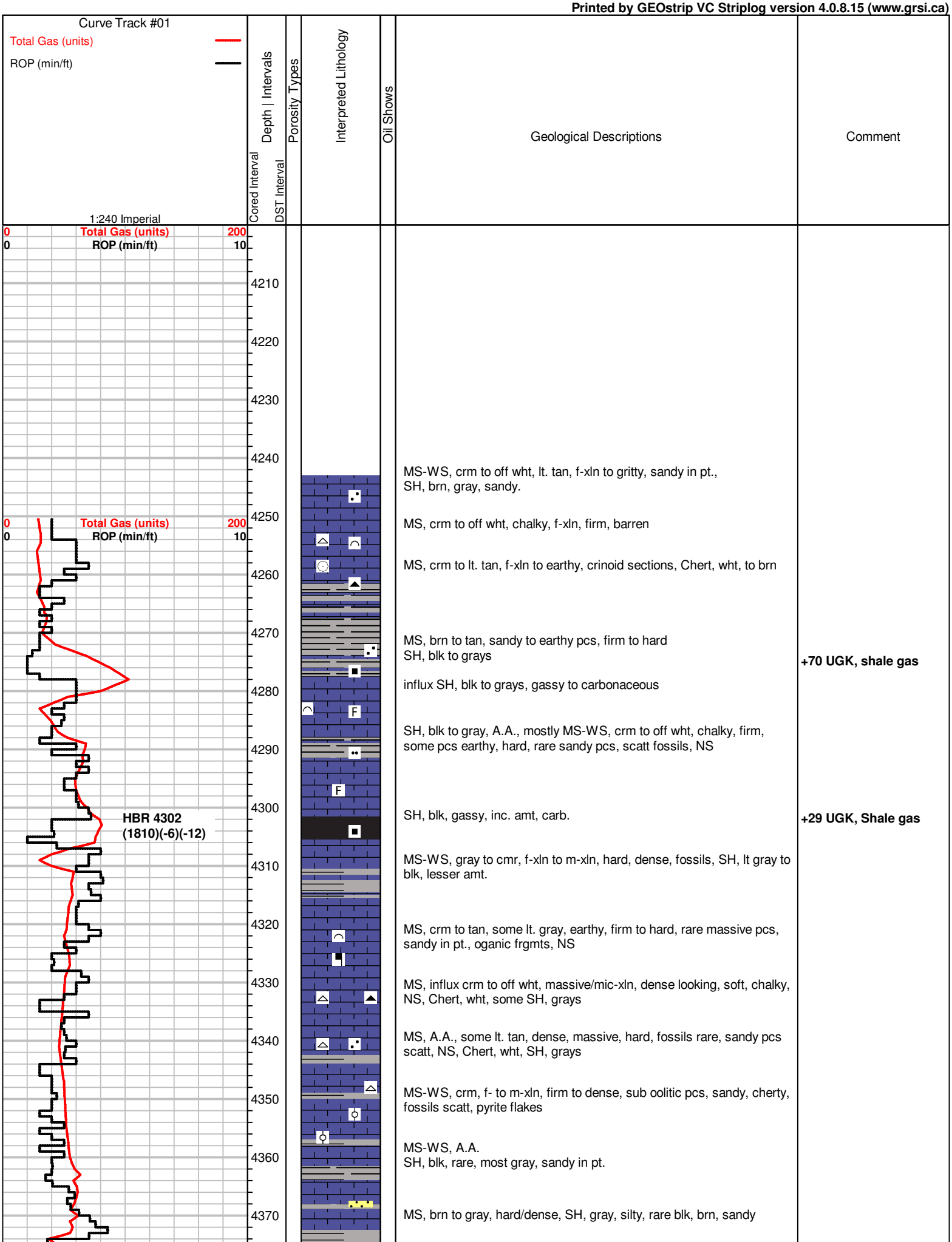
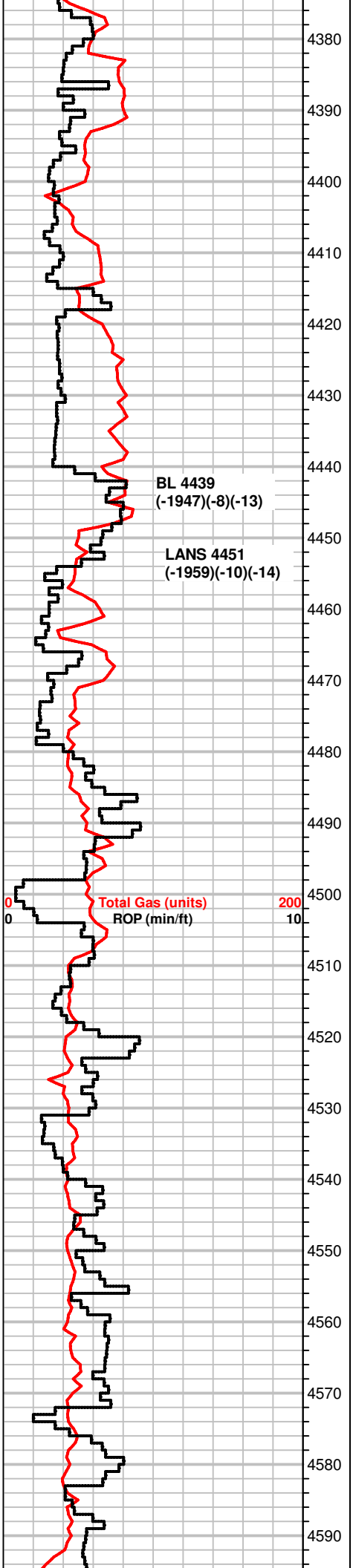
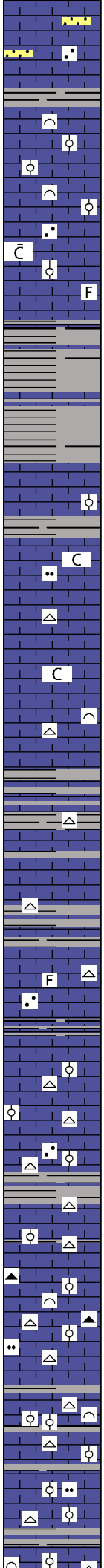






MS, brn to gray, f-xln/massive, dense, SS clusters, green, vf-gr, well sorted, friable, NS, SH, grays

MS, brn to tay, earthy to massive, hard, barren to scatt fossils

SH, gray, red, green, MS-WS, tan to crm, f-xln, fossils/sandy, frim NS

WS-MS, tan to crm, f-xln, subo-olitic/fossils, some pcs chalky, NS

WS-MS, crm to tan, m-xln, sandy looking, scatt chalky, most fossils. micro-oolitic to m-gr oolitic, NS

SH, grays, brn, limry in pt., MS-WS, tan to crm, m-gr to f-gr oolitic/fossilif pcs, NS

MS, brn, massive, f-xln, dense, hard, barren, MS, tan to crm, scatt oolitic, A.A.

SH, grays, vf-silty, some gray to blk

MS-WS, brn to lt. gray, crm, f-xln, chalky in pt., gritty, soft to friable, NS

WS-MS, crm to tan, f-xln, oolitic/fossilif., some chalky, hard to brittle, NS

MS-WS, crm to tan, f-xln, f to m-gr oolitic pcs common, A.A., some massive/chalky txt, firm to dense, dull fluor, NS, rare Chert, tan, fossils

scatt SH, gray to greenish grays, MS-WS, crm to off wht, f-xln massive, dense, fossils, rare f-gr sandy/gritty txt, Chert, wht

MS, crm to brn, vf-xln, massive, rare fossils, dull fluor, NS, scatt SH, greenish gray

SH, grays, blk, pcs rare, MS-WS, gray to brn, crm, f-xln, gritty to fossilif., dense, dull fluor, NS, Chert, tan

MS, gray to crm, f-xln, gritty/sandy, some pcs chalky, dense to hard, limey mtrx w/ fn qtz sand grs

WS-PS, crm to tan, brn, m-xln, sandy, oolitic/fossilif., hard to firm, some massive, dense, Chert, tan, fossils, NS

WS-PS, gray to crm, m-xln, dense, brittle, f-to-gr oolitic, sandy pcs, rare Chert, wht, sandy SH, blk to grays

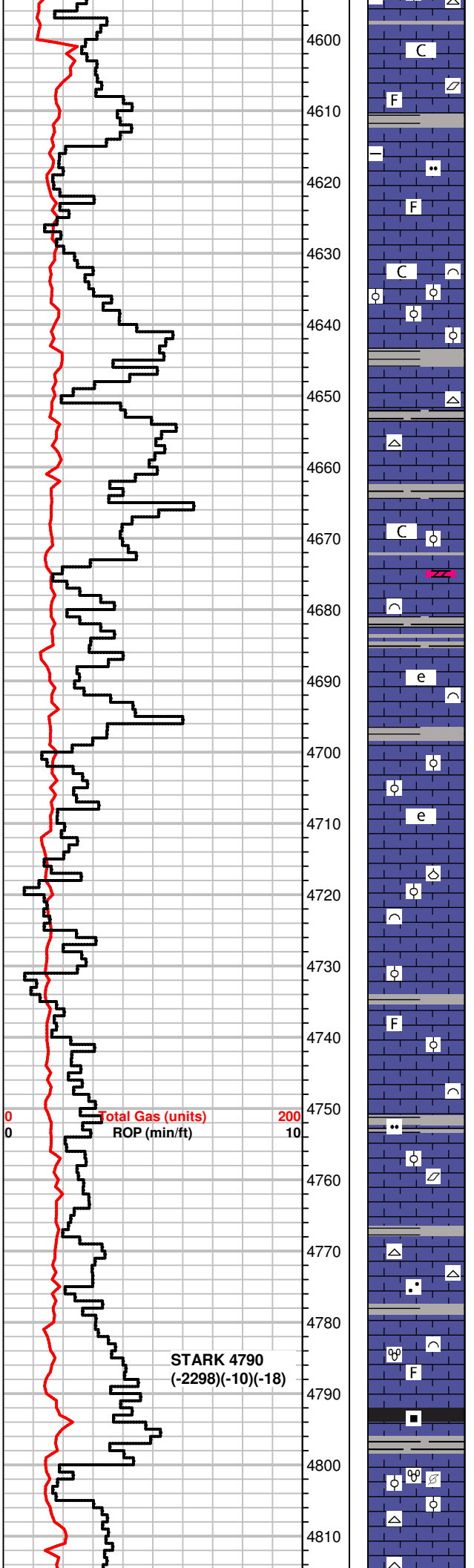
scatt SH, green to red, blk, grays, some sandy, MS-WS, crm to tan, f-xln, dense, scatt fossils, rare f-gr oolitic pcs, hard, Chert, wht, dull fluor, NS

MS, brn to crm, f-xln to massive, dense, fossils scatt, Chert, brn, wht, fossilif.

MS-WS, brn, gray, crm, m-xln, some pcs massive, dense/hard scatt fossils, gritty in pt., Chert, wht, fossilif, NS, some SH, grays, to green

WS-MS, brn to tan, crm, m-xln, firm to friable, chalky in pt., fossilif, Chert, wht, fossils, SH, gray to green

MS-WS, crm to tan, f-xln, chalky, sub oolitic, dense/massive pcs scatt, some SH, greens, sandy in pt., lesser Chert, wht, fossils,



SH, gray to greens, platy in pt., some red, MS-WS, crm to tan, A.A., some pcs chalky, soft to dense, calcite, NS

MS-WS, tan to crm, massive to dense, some f-gr /ooids in tite calc mtrx, scatt fossils, some SH, grays

MS, lt. brn to tan, mix-xln to f-xln, massive to earthy txt, hard, rare fossils, SH, gray, silty

MS, off wht to crm, f-xln to chalky, firm to soft, fossils in dense pcs, dull fluor, NS

MS-WS, crm to tan, lt. gray, f-xln to chalky, firm to soft, friable, f to m-gr oolitic to fossilif., NS

MS-WS, A.A., mostly lt. brn to crm, fossils, Chert, wht
rare SH, grays

MS, crm to brn, some SW, mostly dense/massive txt, some chalky, firm, fossils to m-gr oolitic in tite calc mtrx, dull fluor, NS

MS-WS, crm to brn, A.A., inc in chalky pcs, fossilif, some dense, most friable

MS, brn to gray, f-xln to massive txt, scatt fossils, rare Dolo, vf-sucrosic, calcite
influx SH, blk to brn

WS-MS, brn to tan, grays, f-xln to earthy, fossilif., hard to brittle, NS

MS-WS, tan to crm, f-xln, firm to hard, rare dense pcs, fossilif., chalky in pt., some pcs m-gr oolitic, calcite, some SH, gray

MS, crm to tan, f-xln some fosssils, inc in chakly pcs, earthy in pt., rare mottled pcs, scatt SH, grays

MS-WS, crm to tan, mostly chalky pcs, f-xln, some fossilif, dense, NS, Chert, tan to wht, rare SH, grays

some SH, gray, green, rare blk, MS, crm to tan, f-xln, dense, sub oolitic, chalky, NS

MS, brn to crm, f-xln, earthy, dense, brittle pcs, chalky, fossils sandy, SH, gray, green, silty in pt.

MS, brn, mic-xln to f-xln, dense, hard gritty, rare fossils, calcite

MS, brn to crm, f-xln, A.A., inc in crm pcs, chalky/earthy, some fossils, rare Chert wht, tan, some SH, brn red grays

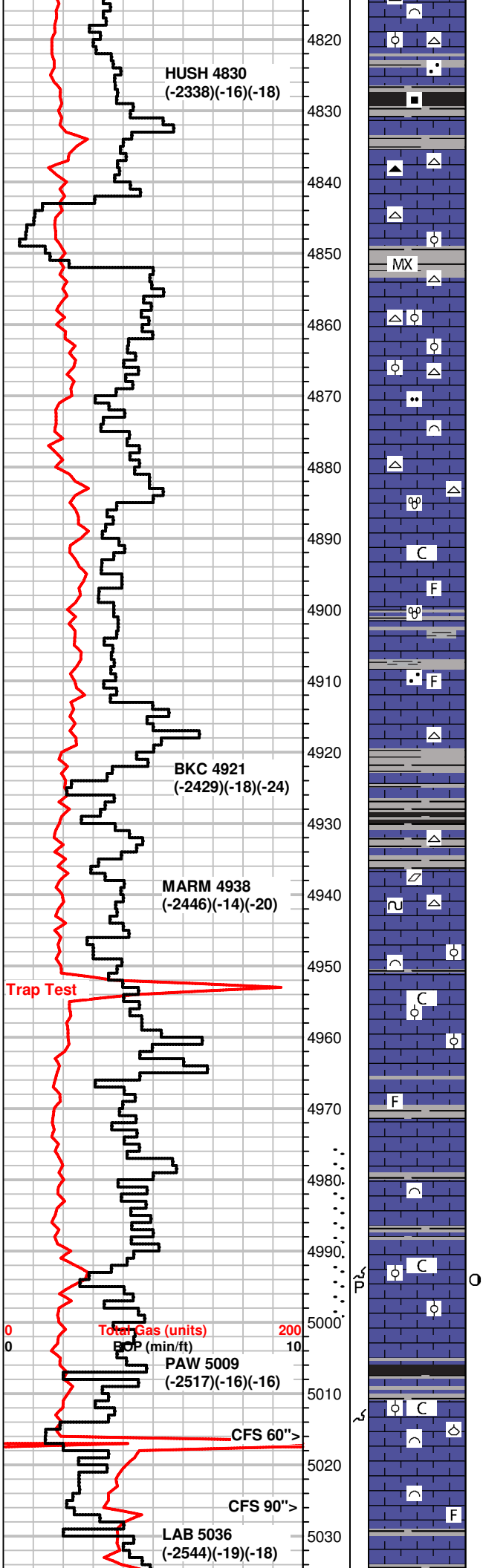
MS-WS, brn to tan, rare sandy pcs, hard/dense, becoming chalky, NS

SH, grays, soft, silty, MS, brn, A.A., gray, f-xln, hard, fossils, barren

SH, blk, grays, carb

+12 UGK, shale gas

MS, crm to lt. tan, chalky to f-xln, some micro oolitic to sub oolitic pcs, friable, dull fluor, NS, Chert, opaque, fossils



MS, crm to lt. tan, influx chalky to f-xln pcs, firm to soft, scatt fossils, most barren, Chert, opaque, wht

SH, blk to grays, carb.,

MS, crm to brn, f-xln dense to chalky, rare sandy pcs, fossils, organics, Chert, brn, tan, wht, fossils/micro oolitic, NS

+14 UGK, shale gas

SH, blk, gray, blocky, some pcs sandy
MS-WS, gray to crm, some mottled, mic-xln to f-xln, sandy in pt., NS, Chert, opaque, wht, fossils,

influx MS, crm to off wht/lt. gray, chakly to massive pcs, some dense, micro oolitic rare, NS, Chert, wht, opaque, fossils

MS-WS, gray to brn, f-xln, hard, dense, gritty in pt., rare fossilif. pcs, shaly, friable, NS

MS-WS, crm, tl. tan, f-xln to gritty txt, firm to brittle, sli. chalky in pt., scatt fossil frgmts, Chert, wht, fossils

MS-WS, crm to brn, massive to f-xln, mottled pcs rare, fossils, some pcs chalky, firm to dense, NS

SH, gray to green, rare blk, MS-WS, brn to gray, some crm, f-xln, mottled pcs rare, hard, dense, sub oolitic/fossilif., forams, NS

MS, gray to brn, f-xln, dense, hard, fossils scatt,

SH, blk, grys, hard, blocky, rare green, sandy pcs

SH, blk,brn, gray, MS, brn to gray, f-xln, dense, earthy, Chert, opaque, wht

MS, tan, crm, some brn, gray, A.A., chalky in pt., some fossils, Chert, opaque, SH, grays, green, blk

WS-MS, off wht, crm, tan, chalky to f-xln, vf to m-gr oolitic fossilif., glauc, calcite, Chert, opaque, scatt SH, gray to blk

DST #1 4975-5000
Straddle, 16' Tail Pipe
30-60-60-120
WB, surf
NBB
WB 2.25 inch
NBB
50' GIP
Rec 10' M w/ oil spots in tool
IH 2484#
IF 23-20#
ISIP 104#
FF 18-17#
FSIP 145#
FH 2473#
Temp 112*F
Pipe Strap .98 Short

WS, crm to tan, mic-xln, dense, m-gr oolitic pcs, some chalky in pt., bioclasitc pcs scatt, SH, fresh grays, blk, gree, silty

MS-WS, crm to lt. gray, f-xln, dense, scatt fossils, oolitic, some chalky, dull fluor, NS, SH, blk to grays

WS-MS, brn to crm, mic-xln, dense pcs, some f-xln, chalky, fossilif, sub oolitic pcs, mineral fluor, SH, grays, blk scatt

MS, some WS, crm to tan, f-xln to mic-xln, firm, fossilif, some chalky, dull fluor, NS

MS scatt WS, tan to crm, f-xln, earthy in pt. sli. chalky, firm to dense, fossils rare, NS

MS-WS, crm to off wht, chalky, f-xln, firm to friable, sub oolitic pcs, fossilif., faint odor in bag, spty bright fluor, lt. spty stn wet, free oil droplets in tray, inst cut to resid. cut select pcs, moldic to PP por. spty stn dry

+14 UGK, w/ recycle

SH, blk, grays, carb, gassy

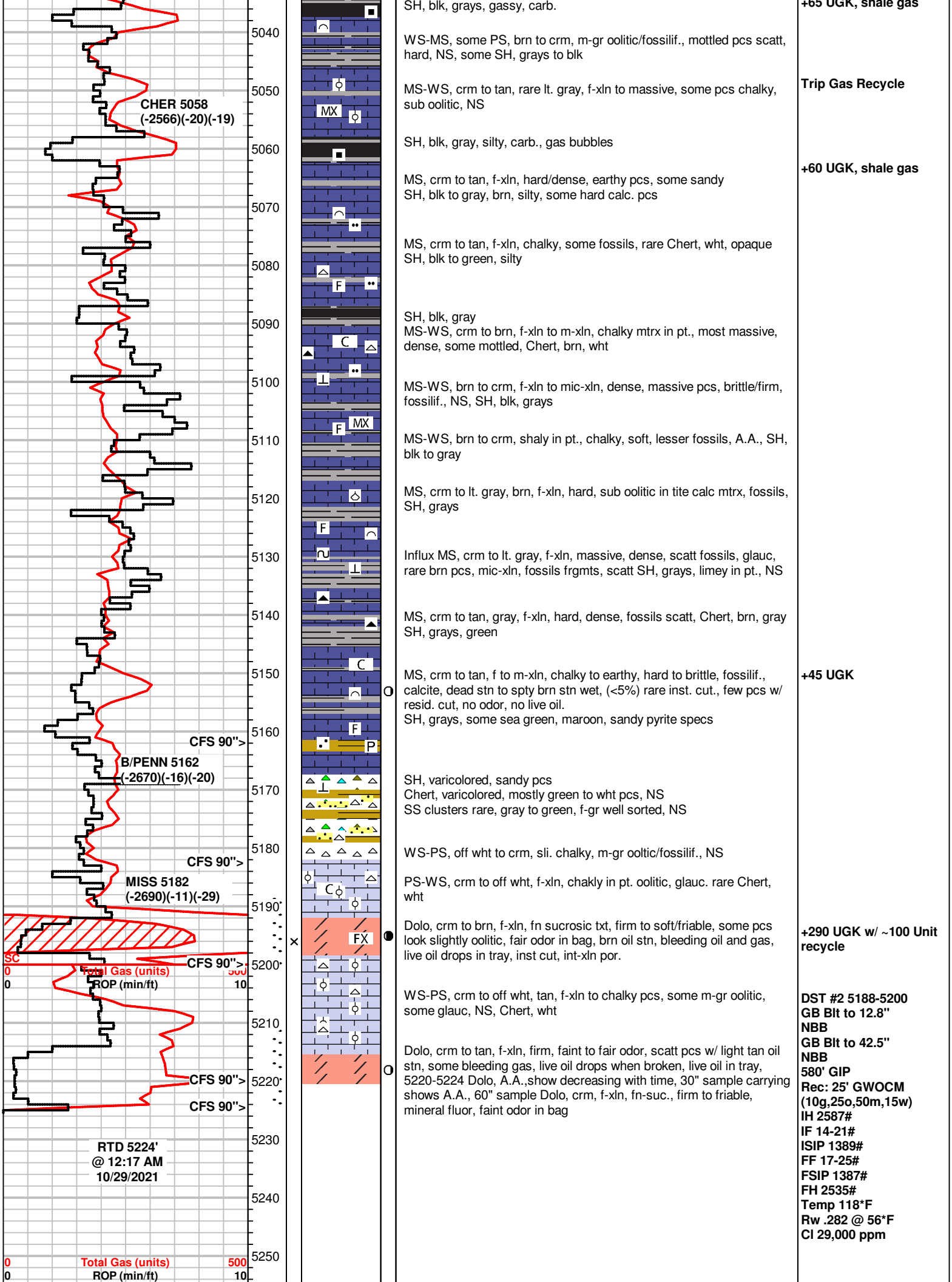
+5 UGK, shale gas

WS-PS, crm to tan, off wht, chalky, f-xln, bioclastic, firm to friable, dull mineral fluor, NS

Trip Gas

MS-WS, crm to tan, f-xln to chalky, firm to friable, some dense, fossilif, dull fluor, NS, carrying SH, blk to grays, green

MS-WS, crm to off wht, f-xln dense, sub oolitic pcs, NS



SH, blk, grays, gassy, carb.

+65 UGK, shale gas

WS-MS, some PS, brn to crm, m-gr oolitic/fossilif., mottled pcs scatt, hard, NS, some SH, grays to blk

MS-WS, crm to tan, rare lt. gray, f-xln to massive, some pcs chalky, sub oolitic, NS

Trip Gas Recycle

SH, blk, gray, silty, carb., gas bubbles

+60 UGK, shale gas

MS, crm to tan, f-xln, hard/dense, earthy pcs, some sandy
SH, blk to gray, brn, silty, some hard calc. pcs

MS, crm to tan, f-xln, chalky, some fossils, rare Chert, wht, opaque
SH, blk to green, silty

SH, blk, gray
MS-WS, crm to brn, f-xln to m-xln, chalky mtrx in pt., most massive, dense, some mottled, Chert, brn, wht

MS-WS, brn to crm, f-xln to mic-xln, dense, massive pcs, brittle/firm, fossilif., NS, SH, blk, grays

MS-WS, brn to crm, shaly in pt., chalky, soft, lesser fossils, A.A., SH, blk to gray

MS, crm to lt. gray, brn, f-xln, hard, sub oolitic in tite calc mtrx, fossils, SH, grays

Influx MS, crm to lt. gray, f-xln, massive, dense, scatt fossils, glauc, rare brn pcs, mic-xln, fossils frgmts, scatt SH, grays, limey in pt., NS

MS, crm to tan, gray, f-xln, hard, dense, fossils scatt, Chert, brn, gray SH, grays, green

MS, crm to tan, f to m-xln, chalky to earthy, hard to brittle, fossilif., calcite, dead stn to spty brn stn wet, (<5%) rare inst. cut., few pcs w/ resid. cut, no odor, no live oil.
SH, grays, some sea green, maroon, sandy pyrite specs

+45 UGK

SH, varicolored, sandy pcs
Chert, varicolored, mostly green to wht pcs, NS
SS clusters rare, gray to green, f-gr well sorted, NS

WS-PS, off wht to crm, sli. chalky, m-gr ooltic/fossilif., NS

PS-WS, crm to off wht, f-xln, chakly in pt. oolitic, glauc. rare Chert, wht

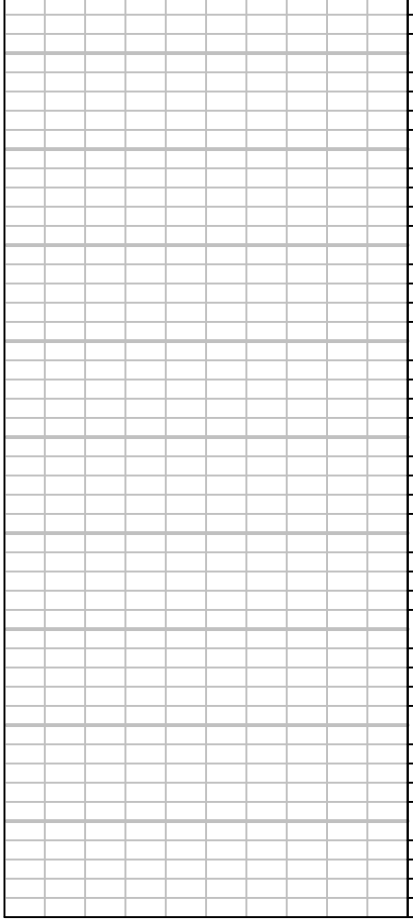
Dolo, crm to brn, f-xln, fn sucrosic txt, firm to soft/friable, some pcs look slightly oolitic, fair odor in bag, brn oil stn, bleeding oil and gas, live oil drops in tray, inst cut, int-xln por.

+290 UGK w/ ~100 Unit recycle

WS-PS, crm to off wht, tan, f-xln to chalky pcs, some m-gr oolitic, some glauc, NS, Chert, wht

Dolo, crm to tan, f-xln, firm, faint to fair odor, scatt pcs w/ light tan oil stn, some bleeding gas, live oil drops when broken, live oil in tray, 5220-5224 Dolo, A.A.,show decreasing with time, 30" sample carrying shows A.A., 60" sample Dolo, crm, f-xln, fn-suc., firm to friable, mineral fluor, faint odor in bag

DST #2 5188-5200
GB Blt to 12.8"
NBB
GB Blt to 42.5"
NBB
580' GIP
Rec: 25' GWOCM
(10g,25o,50m,15w)
IH 2587#
IF 14-21#
ISIP 1389#
FF 17-25#
FSIP 1387#
FH 2535#
Temp 118*F
Rw .282 @ 56*F
Cl 29,000 ppm



DST #3 5210-5224
60-90-60-120
FB Blt to 9.2''
NBB
GB Blt to 37.9''
NBB
400' GIP
Rec: 20' Oil
60' OMCW
(10o,40m,50w)
IH 2599#
IF 20-28#
ISIP 1330#
FF 27-41#
FSIP 130#
FH 2546#
Temp 118*F
API Gravity 40*
Rw .101 @ 61*F
Cl 88,000 ppm