

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Palmer Oil, Inc.
Well Name	RICHARDSON 11-1
Doc ID	1607029

Tops

Name	Top	Datum
Anhydrite	1867	1176
base	1946	1097
herrington	2681	362
fort riley	2854	362
lansing	4171	-1131
marmaton	4756	-1713
fort scott	4905	-1862
morrow	5295	-2252
st, Gen	5566	-2523
RTD	5600	-2557



QUASAR ENERGY SERVICES, INC.

3288 FM 51
Gainesville, Texas 76240
Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

12/4/21

CEMENTING JOB LOG

CEMENTING JOB LOG

Company: Palmer Oil Inc.		Well Name: Richardson 11-1				
Type Job: Cement- Surface		AFE #:				
CASING DATA						
Size: 8 5/8	Grade:	Weight: 24				
Casing Depths	Top:	Bottom:				
Drill Pipe:	Size:	Weight:	Packer:			
Open Hole:	Size: 12 1/4	T.D. (ft): 1670	Perfs.:			
CEMENT DATA						
Spacer Type:						
Amt.	Sks Yield	0	ft³/sk			
LEAD: Class A: 65/35/6, 3% Salt, 0.2% C-51, 1/4# Celloflake			Density (PPG)			
			Excess			
Amt. 410	Sks Yield 1119.3	ft³/sk 2.73	Density (PPG) 11.36			
TAIL: Class A: 2% Gyp., 1% SMS., 1/4# Celloflake			Density (PPG)			
			Excess			
Amt. 150	Sks Yield 270	ft³/sk 1.8	Density (PPG) 13.23			
WATER:						
Lead: 410	gals/sk: 16.5	Tail: 150	gals/sk: 9.75			
			Total (bbls): 195.9			
Pump Trucks Used:		210, DP11				
Bulk Equipment:		229, 660-23, 189, 660-21				
Disp. Fluid Type: Water (Supplied)	Amt. (Bbls.): 100.9	Weight (PPG):	8.33			
COMPANY REPRESENTATIVE: Emilio		CEMENTER: Daniel Beck				
TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
10:00						ON LOCATION & SAFETY MEETING
10:05						RIG UP
11:52						RIG TO CIRCULATE
12:07						RIG TO PT
12:09						PRESSURE TEST TO 2000PSI
12:12	240			199.3slurry	6.5	PUMP 410SX LEAD @ 11.3#
12:57	250			48.0slurry	6.5	PUMP 150SX TAIL @ 13.2#
13:07						SHUTDOWN / DPOP PLUG
13:09	200			10	6.5	DISPLACE
	200			20	6.5	
	200			30	6.5	
	220			40	6.5	
	250			50	6.5	
	270			60	6.4	
	320			70	6.4	
	370			80	6.4	
	420			90	6.4	
13:24	440			95	6.4	SLOW RATE TO 2.0BPM @ 270PSI
13:28	290			100.9	2.0	LAND PLUG / PRESSURE UP TO 800PSI
13:30						RELEASE BACK --- FLOAT HELD
						JOB COMPLETE
Company: Palmer Oil Inc.		Well Name: Richardson 11-1				
Type Job: Cement- Surface		AFE #:				
Date: 12/4/2021	CEMENTING JOB LOG					



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palmer Oil INC
 P.O. Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

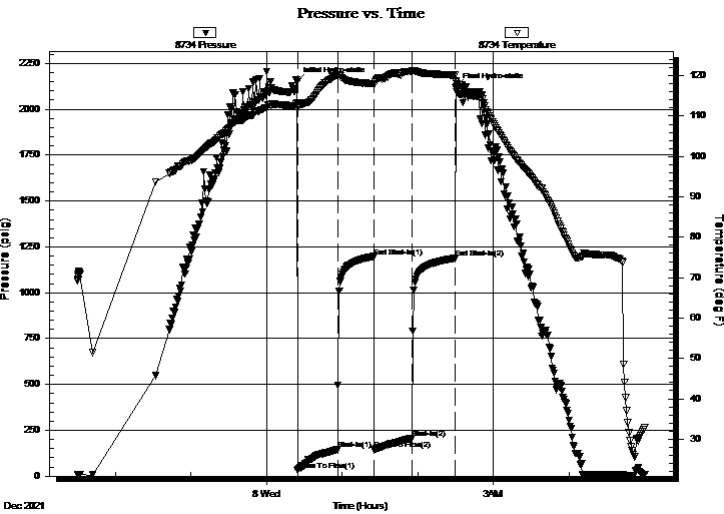
11-23S.-34W. Haskell,KS
Richardson #1-11
 Job Ticket: 68369 **DST#: 1**
 Test Start: 2021.12.07 @ 21:30:00

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:24:30
 Time Test Ended: 05:00:30
 Interval: **4394.00 ft (KB) To 4440.00 ft (KB) (TVD)**
 Total Depth: 4440.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Martine Salinas
 Unit No: 81
 Reference Elevations: 4043.00 ft (KB)
 4031.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 206.88 psig @ 4395.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.12.07 End Date: 2021.12.08 Last Calib.: 2021.12.08
 Start Time: 21:30:01 End Time: 05:00:30 Time On Btm: 2021.12.08 @ 00:24:20
 Time Off Btm: 2021.12.08 @ 02:30:20

TEST COMMENT: 30-IF-Blow built to B.O.B(11 inches) @ 27 mins (increased to 12 1/4")
 30-ISI-No return
 30-FF-Blow built to 10 1/2"
 30-FSINo return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2150.15	113.18	Initial Hydro-static
1	30.25	112.10	Open To Flow (1)
33	144.82	120.18	Shut-In(1)
61	1197.77	118.00	End Shut-In(1)
62	147.08	117.82	Open To Flow (2)
92	206.88	121.10	Shut-In(2)
126	1187.60	120.15	End Shut-In(2)
127	2120.57	118.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
370.00	MCW 14%M, 86%W	3.58

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palmer Oil INC
P.O. Box 399
Garden City, KS 67846
ATTN: Kevin Timson

11-23S.-34W. Haskell,KS
Richardson #1-11
Job Ticket: 68369 **DST#: 1**
Test Start: 2021.12.07 @ 21:30:00

Mud and Cushion Information

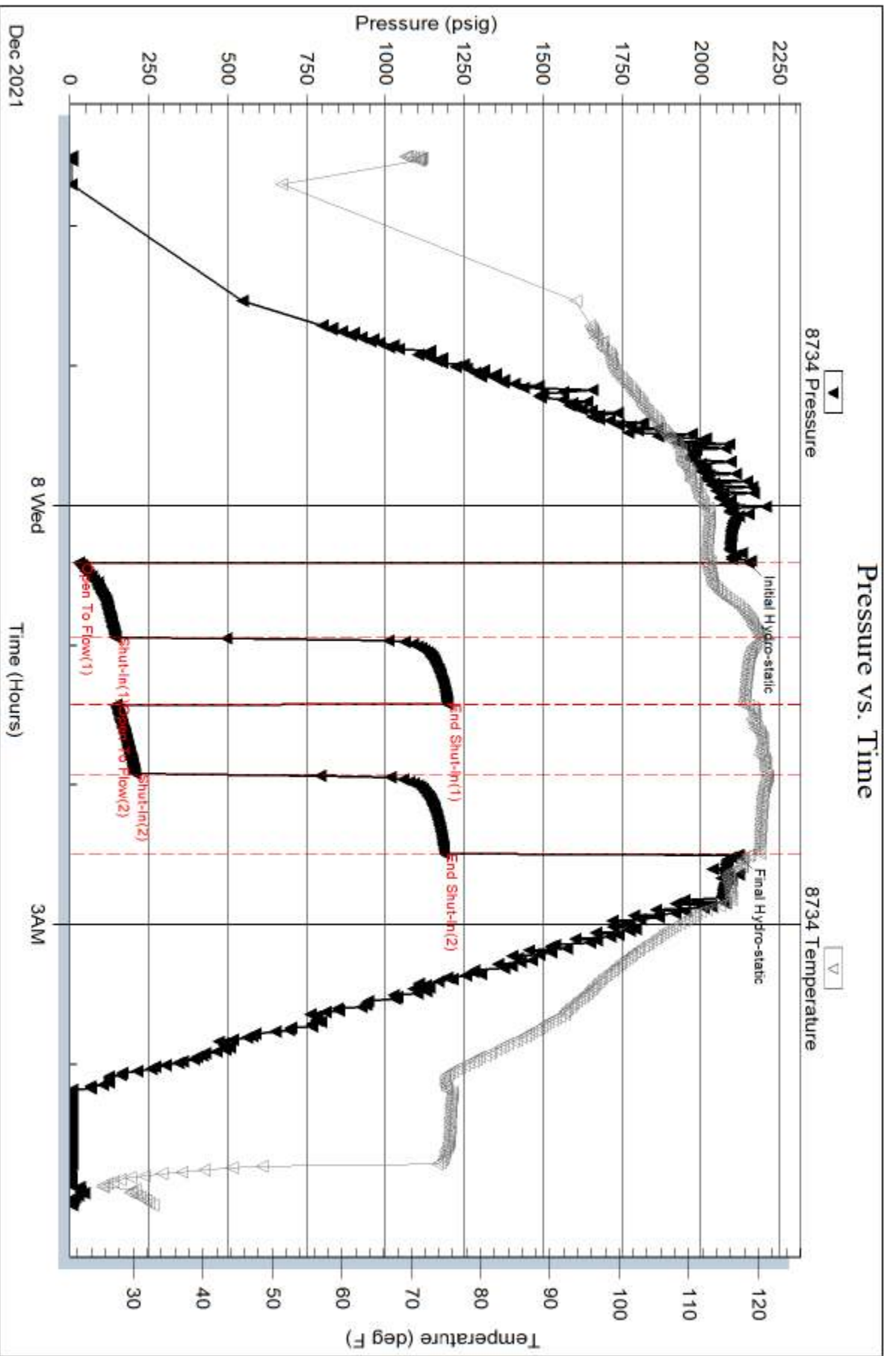
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	13500 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
370.00	MCW 14%M, 86%W	3.578

Total Length: 370.00 ft Total Volume: 3.578 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW= .92 @ 37.7 degs = 13,500 PPM



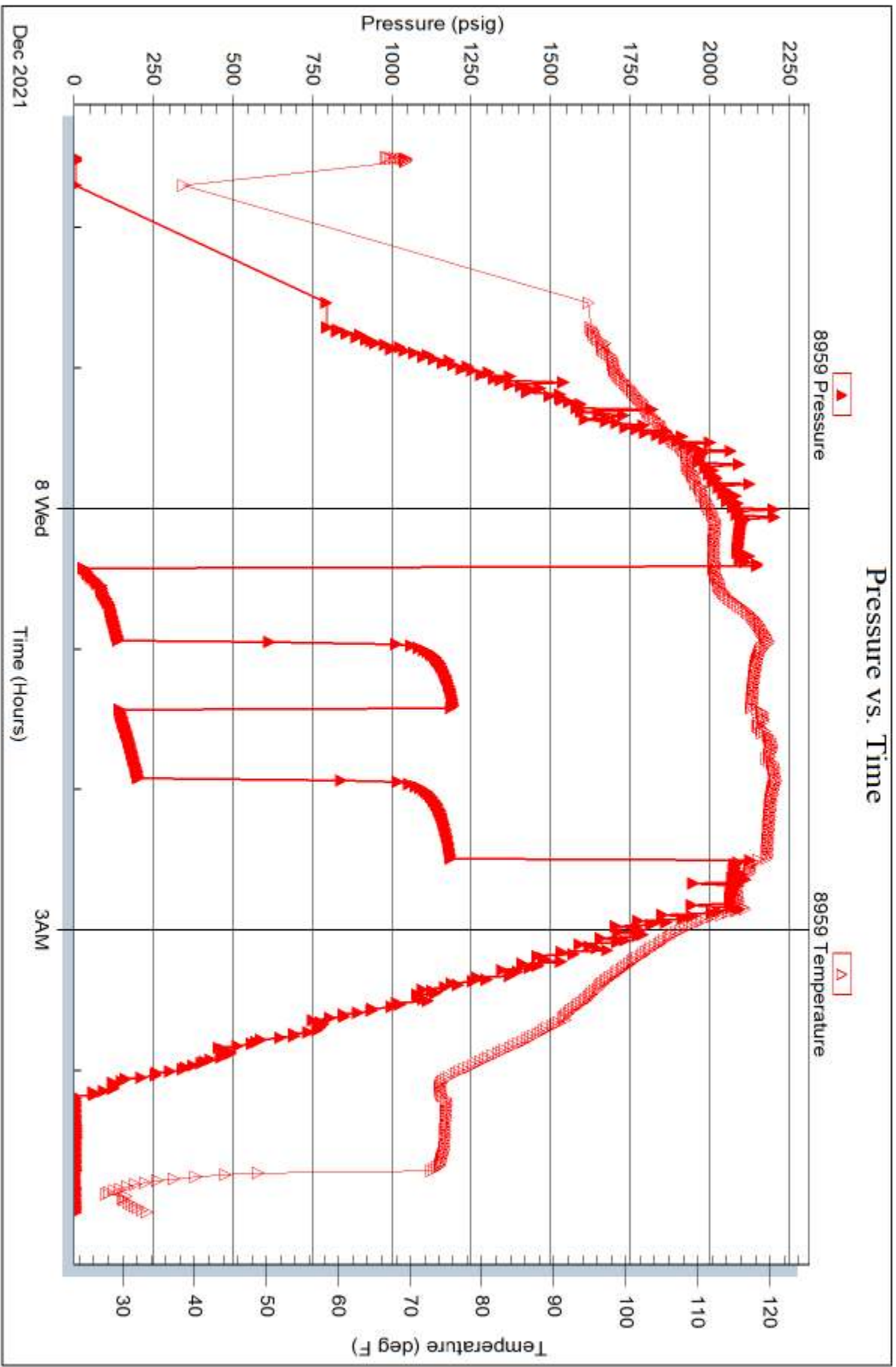
Serial #: 8959

Inside

Palmer Oil INC

Richardson #1-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68369

Printed: 2021.12.08 @ 07:15:44



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palmer Oil INC
P.O. Box 399
Garden City, KS 67846
ATTN: Kevin Timson

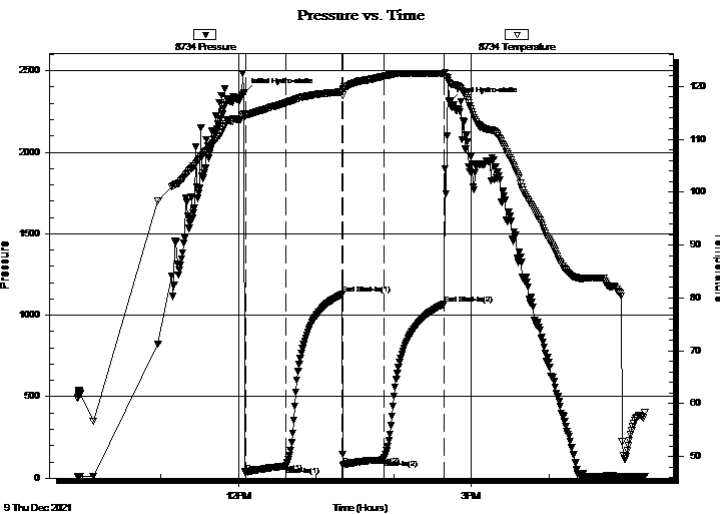
11-23S.-34W. Haskell,KS
Richardson #1-11
Job Ticket: 68370 **DST#: 2**
Test Start: 2021.12.09 @ 09:56:00

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:05:40
Time Test Ended: 17:13:39
Interval: **4779.00 ft (KB) To 4802.00 ft (KB) (TVD)**
Total Depth: 4802.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Martine Salinas
Unit No: 81
Reference Elevations: 4043.00 ft (KB)
4031.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8734 Outside
Press@RunDepth: 112.62 psig @ 4780.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.12.09 End Date: 2021.12.09 Last Calib.: 2021.12.09
Start Time: 09:56:01 End Time: 17:13:40 Time On Btm: 2021.12.09 @ 12:04:40
Time Off Btm: 2021.12.09 @ 14:43:09

TEST COMMENT: 30-IF-B.O.B (11 inches) @ 22 mins (blow increased to 12 1/4")
45-ISI-No return
30-FF-Blow built to 4 1/2"
45-FSI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2367.85	114.84	Initial Hydro-static
1	35.18	114.49	Open To Flow (1)
32	73.57	116.88	Shut-In(1)
76	1127.25	118.96	End Shut-In(1)
77	79.83	119.35	Open To Flow (2)
108	112.62	121.87	Shut-In(2)
154	1067.85	122.46	End Shut-In(2)
159	2313.64	120.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCW w/Oil scum 10%G,20%M,70%W	0.59
57.00	SOSM 2%O, 98%M	0.28
3.00	CO 100%O	0.04
0.00	120' GIP	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

Palmer Oil INC
P.O. Box 399
Garden City, KS 67846
ATTN: Kevin Timson

11-23S.-34W. Haskell, KS
Richardson #1-11
Job Ticket: 68370 **DST#: 2**
Test Start: 2021.12.09 @ 09:56:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34.4 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 32000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.20 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

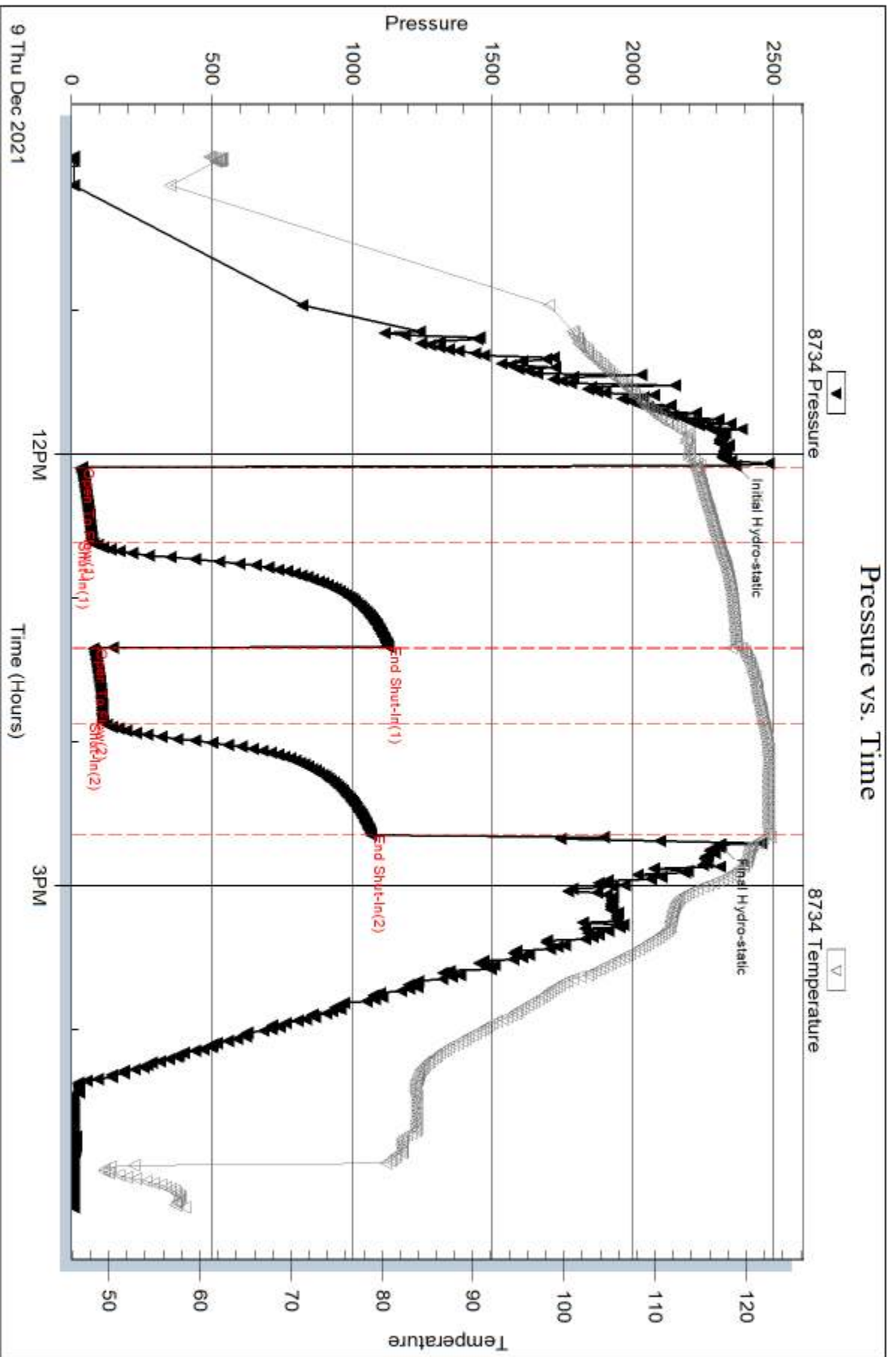
Length ft	Description	Volume bbl
120.00	GMCW w /Oil scum 10%G,20%M,70%W	0.590
57.00	SOSM 2%O, 98%M	0.280
3.00	CO 100%O	0.042
0.00	120' GIP	0.000

Total Length: 180.00 ft Total Volume: 0.912 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity of oil = 34.8 @ 64 corrected to 34.4 @ 60 degs
RW= .242 @ 66.5 degs = 32,000PPM



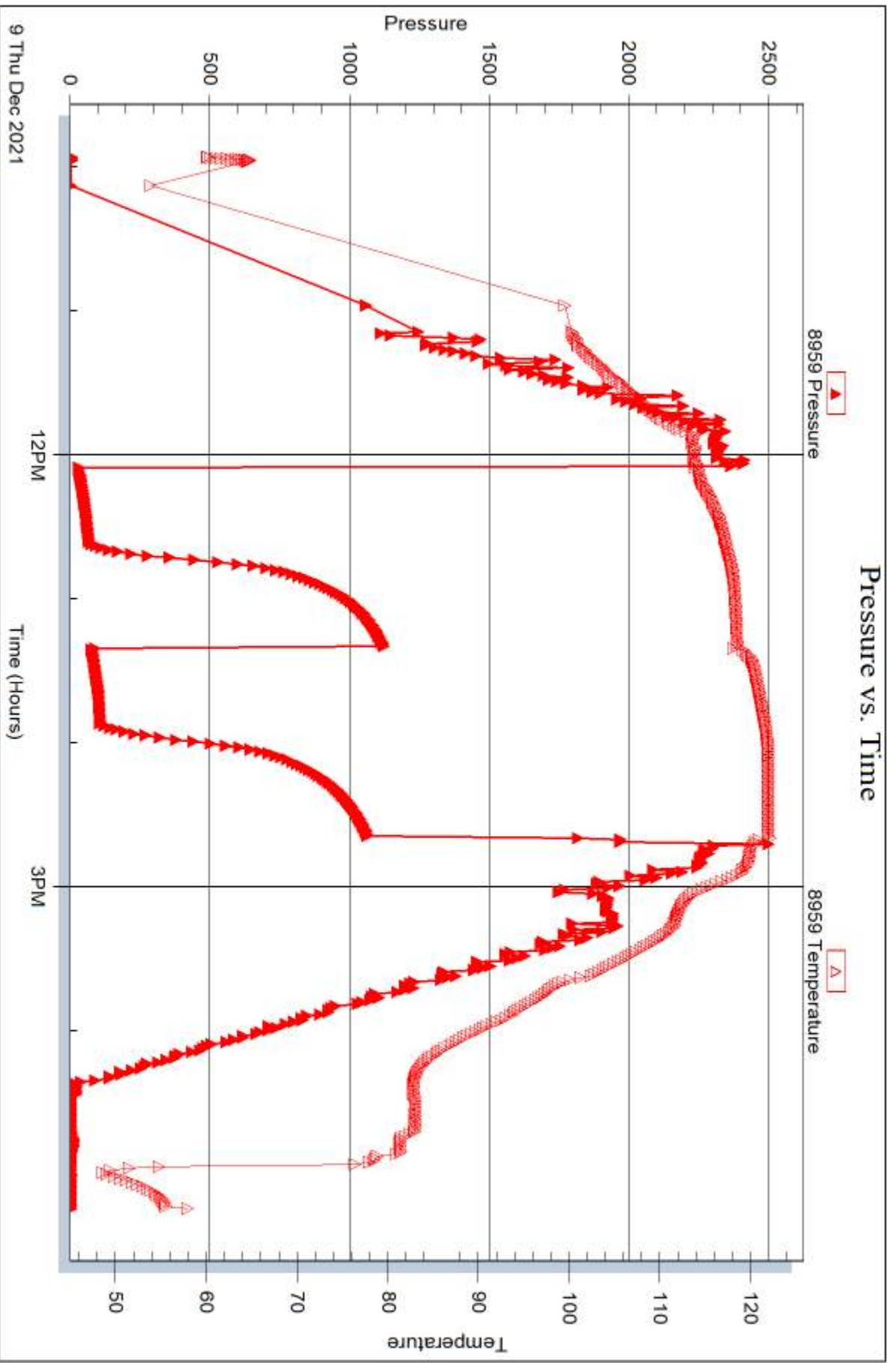
Serial #: 8959

Inside

Palmer Oil INC

Richardson #1-11

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68370

Printed: 2021.12.09 @ 22:58:16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palmer Oil INC
 P.O. Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

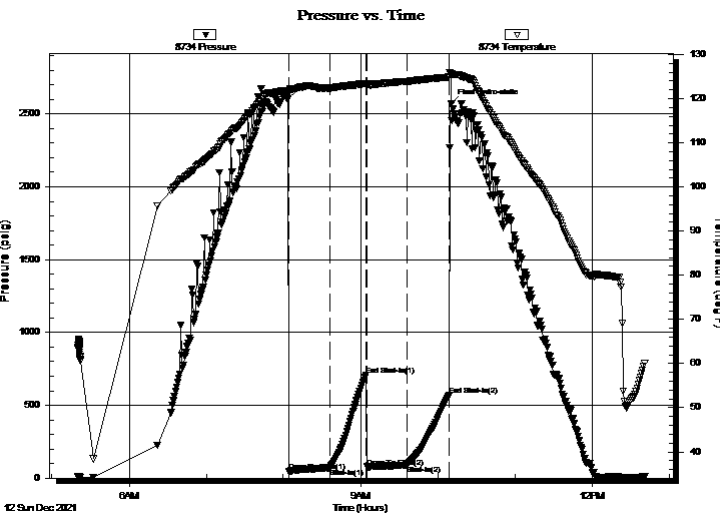
11-23S.-34W. Haskell, KS
Richardson #1-11
 Job Ticket: 68371 **DST#: 3**
 Test Start: 2021.12.12 @ 05:20:00

GENERAL INFORMATION:

Formation: **Morrow-Chester**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:04:10
 Time Test Ended: 12:41:39
 Interval: **5284.00 ft (KB) To 5515.00 ft (KB) (TVD)**
 Total Depth: 5515.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 81
 Reference Elevations: 4043.00 ft (KB)
 4031.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8734 Outside
 Press@RunDepth: 88.59 psig @ 5285.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.12.12 End Date: 2021.12.12 Last Calib.: 2021.12.12
 Start Time: 05:20:01 End Time: 12:41:40 Time On Btm: 2021.12.12 @ 08:03:50
 Time Off Btm: 2021.12.12 @ 10:10:39

TEST COMMENT: 30-IF-Blow built to 2 3/4"
 30-ISI-No return
 30-FF-No blow
 30-FSI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2603.25	121.89	Initial Hydro-static
1	45.16	121.28	Open To Flow (1)
33	70.67	122.41	Shut-In(1)
61	708.36	123.43	End Shut-In(1)
62	76.73	123.45	Open To Flow (2)
92	88.59	123.90	Shut-In(2)
126	566.17	124.89	End Shut-In(2)
127	2569.02	125.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	100% Mud	0.34

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palmer Oil INC
P.O. Box 399
Garden City, KS 67846
ATTN: Kevin Timson

11-23S.-34W. Haskell, KS
Richardson #1-11
Job Ticket: 68371 **DST#: 3**
Test Start: 2021.12.12 @ 05:20:00

Mud and Cushion Information

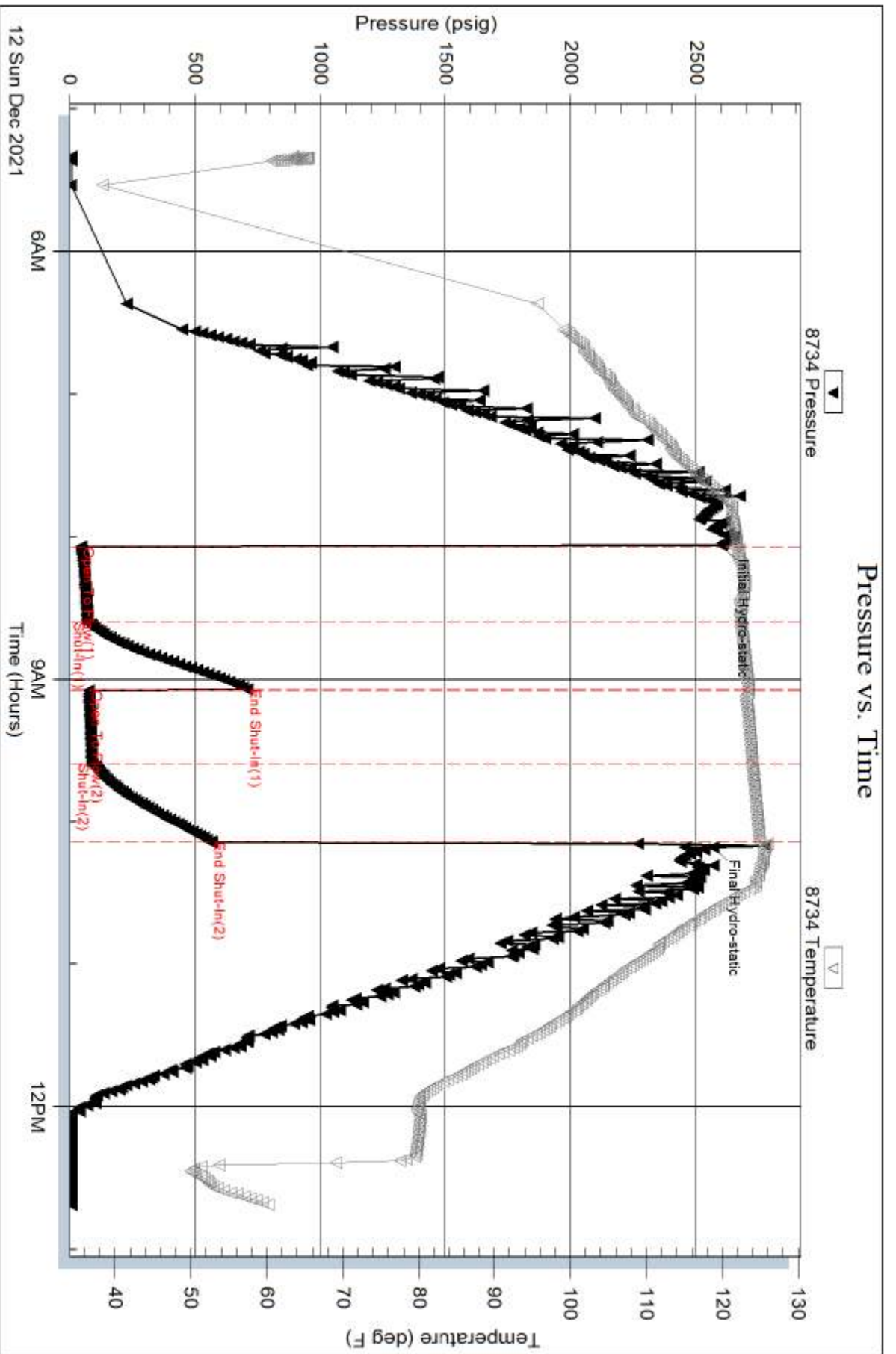
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	100% Mud	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



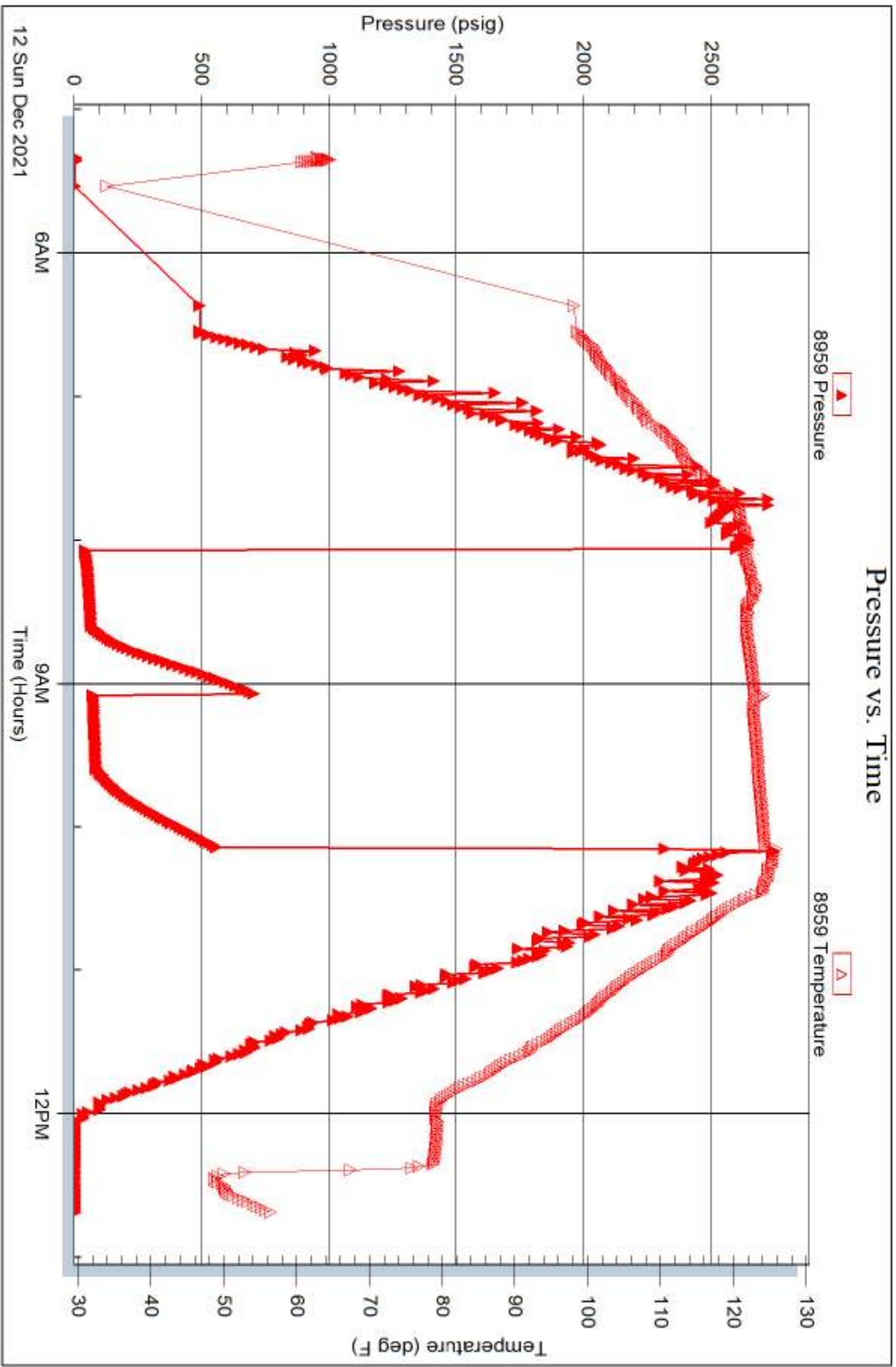
Serial #: 8959

Inside

Palmer Oil INC

Richardson #1-11

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 68371

Printed: 2021.12.12 @ 13:15:00

Geological Report

Palmer Oil, Inc.

Richardson #11-1

877' FSL & 738' FEL

Sec. 11, T28s, R34w

Haskell County, Kansas



Palmer Oil, Inc.

General Data

Well Data: Palmer Oil, Inc.
Richardson #11-1
877' FSL & 738' FEL
Sec. 11, T28s, R34w
Haskell County, Kansas
API # 15-081-22239-0000

Drilling Contractor: Duke Drilling Co. Rig #9

Geologist: Kevin Timson

Spud Date: December 3, 2021

Completion Date: December 13, 2021

Elevation 3030' G.L.
3043' K.B.

Directions: From the South side of Garden City, KS. Go South on Hwy 83 24 miles to Rd 90. Go West on Rd 90 7 miles and North and West into.

Casing: 1660' 8 5/8" #24 Surface Casing

Samples: 4000' to RTD

Drilling Time: 4000' to RTD

Electric Logs: Pioneer Energy Services "D. Schmidt"
Full Sweep

Drillstem Tests: Three-Trilobite Testing "Martine Salinas"

Problems: None

Formation Tops
Richardson #11-1
Sec. 11, T28s, R34w
877' FSL & 738' FEL

Anhydrite	1867' +1176
Base	1946' +1097
Herrington	2681' +362
Fort Riley	2854' +189
Heebner	4088' -1045
Lansing	4174' -1131
Marmaton	4756' -1713
Fort Scott	4905' -1862
Morrow	5295' -2252
St. Gen	5566' -2523
RTD	5600' -2557
LTD	5600' -2557

Sample Zone Descriptions

Lansing H (4434',-1391): Covered in DST #1

Limestone Tan. Sub crystalline. Fair oomoldic and oolycastic porosity. Very light stain, no saturation. Very poor odor. Poor stream cut florescence. 20 unit hotwire.

Novinger (4784',-1741): Covered in DST #2

Limestone Tan. Sub crystalline. Very good oomoldic and oolycastic porosity. Fair to good stain. Poor to fair saturation. Fair odor. SFO when broken. Fair full cut florescence when broken. Unknown hotwire.

Drill Stem Tests
Trilobite Testing
“Martine Salinas”

DST #1

Lansing H

Interval (4394' – 4440') Anchor 46'

IHP - 2150 #

IFP - 30" – BOB in 27 min 30-145 #

ISI - 30" – No Return 1198 #

FFP - 30" – Built to 10.5" 147-207 #

FSIP - 30" – No Return 1188 #

FHP - 2121 #

BHT - 118° F

Recovery: 370' MCW

DST #2

Marmaton

Interval (4779' – 4802') Anchor 23'

IHP - 2368 #

IFP - 30" -- BOB in 22 min 35-74 #

ISI - 45" -- No return 1127 #

FFP - 30" -- Built to 4.5" 80-113 #

FSIP - 45" -- No Return 1068 #

FHP - 2314 #

BHT - 121° F

Recovery: 120' GIP

3' Oil Gravity: 34.4

57' SOCM (2% Oil)

120' GMCW with oil scum

DST #3**Morrow-Chester**

Interval (5284' – 5515') Anchor 231'

IHP - 2603 #

IFP - 30" -- Built to 2.75" 45-71 #

ISI - 30" -- No return 708 #

FFP - 30" -- No blow 77-89 #

FSIP - 30" -- No Return 566 #

FHP - 2569 #

BHT - 126° F

Recovery: 70' Mud

Structural Comparison

Formation	Palmer Oil, Inc Richardson #11-1 Sec 11, T28s, R34w 877' FSL & 738' FEL		EOG Resources Cattle Empire #14-1 Sec 14, T28s, R34w 2310' FSL & 330' FEL		EOG Resources Rollie #13-2 Sec 13, T28s, R34w 1980' FSL & 1680' FEL
Heebner	4088' -1045	+2	4064' -1047	-6	4041' -1039
Lansing	4174' -1131	+5	4153' -1136	-8	4125' -1123
Marmaton	4756' -1713	FL	4730' -1713	+20	4735' -1733
Fort Scott	4905' -1862	-7	4872' -1855	+8	4872' -1870
Morrow	5295' -2252	+1	5270' -2253	+2	5256' -2254
St. Gen	5566' -2523	-66	5474' -2457	-75	5450' -2448

Summary

The location for the Richardson #11-1 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem tests were conducted, none of which recovered commercial amounts of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Richardson #11-1 well.

Respectfully Submitted,

Kevin Timson
Palmer Oil, Inc.

