

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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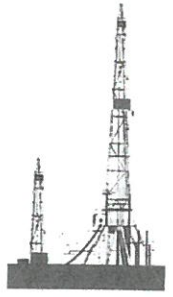


QUASAR ENERGY SERVICES, INC.

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

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

FRACTURING / ACID / CEMENT



✓
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BID #: 4627		AFE#/PO#: 0				
TYPE / PURPOSE OF JOB Cement- Surface			SERVICE POINT Liberal, KS			
CUSTOMER PALMER OIL INC.			WELL NAME HOLLOWAY 6-2			
ADDRESS PO BOX 399			LOCATION SUBLETTE, KS			
CITY GARDEN CITY		STATE KS	ZIP 67846	TYPE AND PURPOSE OF JOB Cement- Surface		
DATE OF SALE 11/20/2021			COUNTY HASKELL		STATE KS	
QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
50	1000	L	Mile	Mileage - Pickup - Per Mile	\$3.31	\$ 165.50
100	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	\$6.30	\$ 630.00
1	5440	L	Per Well	Pumping Charge 0'-3500'	\$1,653.75	\$ 1,653.75
Subtotal for Pumping & Equipment Charges						\$ 2,449.25
QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
410	5660	L	Per Sack	Cement - Lite - A	\$16.54	\$ 6,781.40
150	5630	L	Per Sack	Cement - Class A	\$16.54	\$ 2,481.00
1	6030	L	Per Well	Plug Container	\$330.75	\$ 330.75
1	4780	L	Each	Guide Shoe 8 5/8"	\$515.97	\$ 515.97
1	4850	L	Each	Auto Fill Tube 8 5/8"	\$105.84	\$ 105.84
1	4880	L	Each	Insert Float 8 5/8"	\$396.90	\$ 396.90
1	4900	L	Each	Top Rubber Plug 8 5/8"	\$91.88	\$ 91.88
12	4920	L	Each	Centralizers 8 5/8"	\$92.61	\$ 1,111.32
142	5800	L	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	\$2.65	\$ 376.30
300	5850	L	Per Lb.	Gypsum	\$1.00	\$ 300.00
1,700	5890	L	Per Lb.	Salt	\$0.50	\$ 850.00
150	5900	L	Per Lb.	Sodium Metasilicate (SMS) C-45	\$2.32	\$ 348.00
72	5950	L	Per Lb.	C-51 FWCA	\$11.25	\$ 810.00
Subtotal for Material Charges						\$ 14,499.36
WORKERS			TOTAL		\$ 16,948.61	
CHAD HINZ			DISCOUNT: 10%		DISCOUNT \$ 1,694.86	
JESSE PAXTON			DISCOUNTED TOTAL		\$ 15,253.75	
TYCE DAVIS						
STAMPS & NOTES:				As of 9/22/15 any invoice with a discount must paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect full price.		
				CUSTOMER SIGNATURE & DATE		

**All accounts are past due net 30 days following the date of invoice. A finance charge of 1 1/2% per month or 18% annual percentage rate will be charged on all past due accounts.



QUASAR ENERGY SERVICES, INC.

3288 FM 51

Gainesville, Texas 76240

Office: 940-612-3336

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

Form 185-2c

11/20/21

CEMENTING JOB LOG

CEMENTING JOB LOG

Company: PALMER OIL INC. **Well Name:** HOLLOWAY 6-2
Type Job: Cement- Surface **AFE #:**

CASING DATA					
Size:	8 5/8	Grade:	J-55	Weight:	24
Casing Depths	Top:	Bottom:	1666.2		
Drill Pipe:	Size:	Weight:			
Tubing:	Size:	Weight:	Grade:	TD (ft):	1665
Open Hole:	Size:	12 1/4	T.D. (ft):	1665	
Perforations	From (ft):	To:	Packer Depth(ft):		

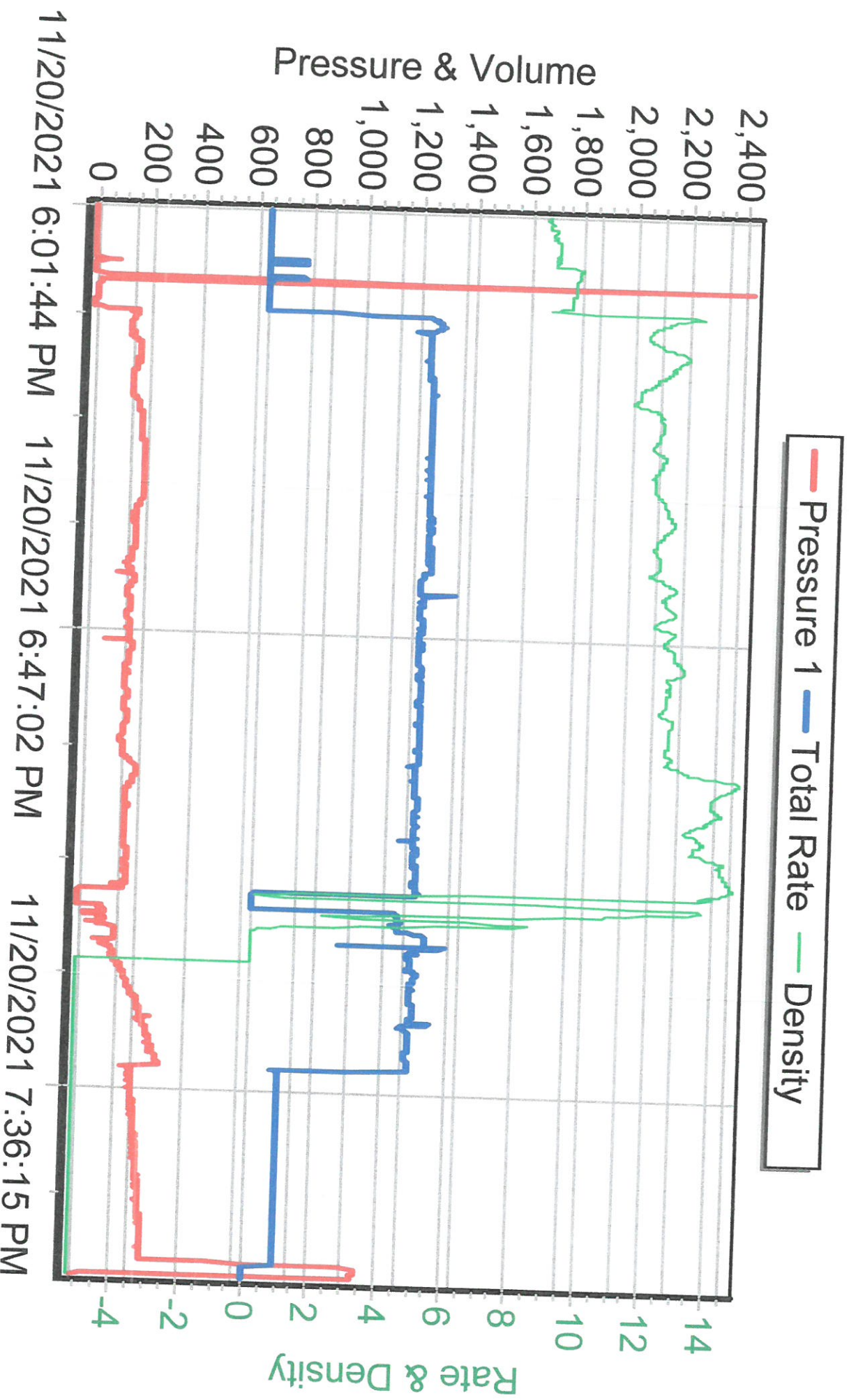
CEMENT DATA					
Spacer Type:					
Amt.	Sks Yield	ft ³ /sk	Density (PPG)		
LEAD: CLASS A 65/35/6 3%SALT, .2%C-51, 1/4#POLY					
Amt.	410	Sks Yield	2.73	ft ³ /sk	Density (PPG)
TAIL: CLASS A 2%GYP, 1%SMS, 1/4#POLY					
Amt.	150	Sks Yield	1.8	ft ³ /sk	Density (PPG)

WATER:					
Lead:	16.5	gals/sk:	161	Tail:	9.75
				gals/sk:	35
				Total (bbls):	248
Pump Trucks Used:	210 DP11				
Bulk Equipment:	227 660-25 230 660-24				
Disp. Fluid Type:	FRESH	Amt. (Bbls.)	103.3	Weight (PPG):	8.3
Mud Type:					

COMPANY REPRESENTATIVE: EMILIO **CEMENTER:** CHAD HINZ

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
	Casing	Tubing	ANNULUS	TOTAL	RATE	
1530						ON LOC, SAFTEY MTG, R.U.
1810	1500					TEST LINES
1813	150				5	START LEAD
1902	200			200	5	START TAIL
1916				48		SHUT DOWN, DROP PLUG
1917	80				5	START DISPLACMENT, WASHUP
1934	205			83	1	SLOW RATE
1954	250-1034			103		PLUG DOWN
1956						RELEASE PSI, FLOAT HELD
						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!!

PALMER OIL HOLLOWAY 6-2



Geological Report

Palmer Oil, Inc.

Holloway #6-2

2581' FNL & 1452' FWL

Sec. 6, T28s, R33w

Haskell County, Kansas



Palmer Oil, Inc.

General Data

Well Data: Palmer Oil, Inc.
Holloway #6-2
2581' FNL & 1452' FWL
Sec. 6, T28s, R33w
Haskell County, Kansas
API # 15-081-22238-0000

Drilling Contractor: Duke Drilling Co. Rig #9

Geologist: Kevin Timson

Spud Date: November 19, 2021

Completion Date: November 29, 2021

Elevation 3034' G.L.
3047' K.B.

Directions: From the South side of Garden City, KS. Go South on Hwy 83 20 miles to Rd 50. Go West on Rd 50 6 miles to Rd GG. Go South 1.5 on Rd GG and East into.

Casing: 1654' 8 5/8" #24 Surface Casing

Samples: 4000' to RTD

Drilling Time: 4000' to RTD

Electric Logs: Pioneer Energy Services "J. Henrickson"
Full Sweep

Drillstem Tests: Two-Trilobite Testing "Bradley Walter"

Problems: None

Formation Tops
Holloway #6-2
Sec. 6, T28s, R33w
2581' FNL & 1452' FWL

Anhydrite	1909' +1138
Herrington	2697' +350
Fort Riley	2892' +155
Heebner	4112' -1065
Lansing	4199' -1152
Marmaton	4764' -1717
Fort Scott	4897' -1850
Morrow	5233' -2186
Chester	5344' -2297
St. Gen	5480' -2433
RTD	5600' -2553
LTD	5604' -2557

Sample Zone Descriptions

- Novinger (4788',-1741): Not Tested**
 Limestone Tan. Sub crystalline. Very good oomoldic and oolycastic porosity. No shows. Fair full florescence. No odor. 400 unit hotwire.
- Morrow (5326',-2279): Covered in DST #1 & DST #2**
 Sandstone Gray. Fine to medium grain. Glauconitic. Well rounded and well sorted. Fair intercrystalline porosity. Poor to fair stain. Poor saturation. Show of free oil when broken. Fair stream cut florescence. Poor to fair odor. 350 unit hotwire.
- Uppr Chester (5390',-2343): Covered in DST #2**
 Sandstone clear. Medium grain. Well rounded and well sorted. Fair intercrystalline porosity. Very light oil stain. No saturation. No odor. Poor stream cut florescence. 100 unit hotwire.
- Lwr Chester (5463',-2416): Not Tested**
 Sandstone clear. Medium grain. Well sorted and rounded. Poor intercrystalline porosity. Barren.

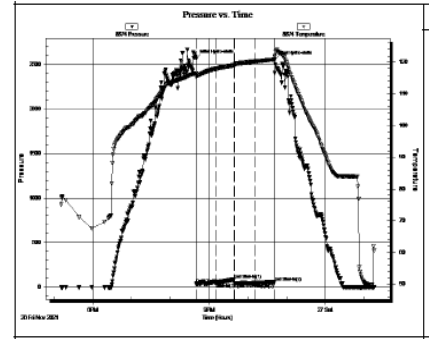
Drill Stem Tests
 Trilobite Testing
 “Bradley Walter”

DST #1

Morrow

Interval (5180’ – 5334’) Anchor 154’

IHP	- 2564 #	
IFP	- 30” – 1.3” blow	33-50 #
ISI	- 30” – No Return	84 #
FFP	- 30” – ¼” blow	40-44 #
FSIP	- 30” – No Return	56 #
FHP	- 2554 #	
BHT	- 121° F	
Recovery:	30’ mud with oil spots	

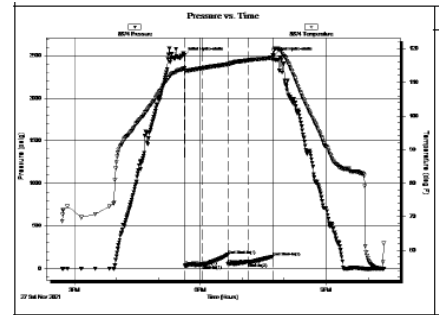


DST #2

Morrow-Upper Chester

Interval (5190’ – 5428’) Anchor 238’

IHP	- 2501 #	
IFP	- 30” -- 1.5” blow	34-44 #
ISI	- 30” -- No return	163 #
FFP	- 30” -- 0.8” blow	51-68 #
FSIP	- 30” -- No Return	140 #
FHP	- 2503 #	
BHT	- 119° F	
Recovery:	70’ Mud	



Structural Comparison

Formation	Palmer Oil, Inc Holloway #6-2 Sec 6, T28s, R33w 2581' FNL & 1452' FWL		Anadarko Petroleum HJV Winter A #2 Sec 1, T28s, R34w 2450' FNL & 500' FEL		EOG Resources Holloway #6-1 Sec 6, T28s, R33w 660' FSL & 660' FWL
Heebner	4112' -1065	-24	4098' -1041	-2	4100' -1063
Lansing	4164' -1117	-25	4149' -1092	FL	4154' -1117
Marmaton	4764' -1717	-39	4735' -1678	-5	4749' -1712
Fort Scott	4897' -1850	-17	4890' -1833	-1	4886' -1849
Morrow	5233' -2186	-15	5228' -2171	+17	5240' -2203
Chester	5344' -2297	-8	5346' -2289	+24	5358' -2321
St. Gen	5480' -2433	+1	5491' -2434	+63	5533' -2496

Summary

The location for the Holloway #6-2 well was found via 3-D seismic survey. The new well ran structurally as expected. Two 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 Holloway #6-2 well.

Respectfully Submitted,

Kevin Timson
Palmer Oil, Inc.



DRILL STEM TEST REPORT

Prepared For: **Palmer Oil, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Holloway #6-2

6-28s-33w Haskell,KS

Start Date: 2021.11.26 @ 17:11:00

End Date: 2021.11.27 @ 01:16:30

Job Ticket #: 67744 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.11.30 @ 10:36:11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palmer Oil, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

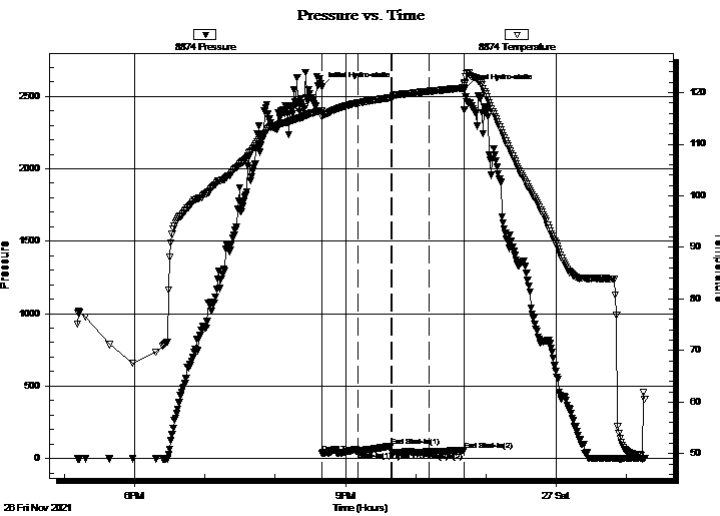
6-28s-33w Haskell, KS
Holloway #6-2
Job Ticket: 67744 **DST#: 1**
Test Start: 2021.11.26 @ 17:11:00

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:40:00
Time Test Ended: 01:16:30
Interval: **5180.00 ft (KB) To 5344.00 ft (KB) (TVD)**
Total Depth: 5344.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 3047.00 ft (KB)
3034.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8874 Inside
Press@RunDepth: 44.86 psig @ 5181.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.11.26 End Date: 2021.11.27 Last Calib.: 2021.11.27
Start Time: 17:11:05 End Time: 01:16:29 Time On Btm: 2021.11.26 @ 20:39:45
Time Off Btm: 2021.11.26 @ 22:42:00

TEST COMMENT: IF: 1.3" blow .
IS: No return.
FF: 1/4" blow .
FS: No return. 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2564.33	116.40	Initial Hydro-static
1	33.00	115.24	Open To Flow (1)
32	50.59	118.00	Shut-In(1)
60	84.67	119.02	End Shut-In(1)
60	40.47	119.07	Open To Flow (2)
92	44.86	120.24	Shut-In(2)
122	56.80	120.89	End Shut-In(2)
123	2554.66	121.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m (oil speks in tool)	0.15

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palmer Oil, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

6-28s-33w Haskell, KS
Holloway #6-2
Job Ticket: 67744 **DST#: 1**
Test Start: 2021.11.26 @ 17:11:00

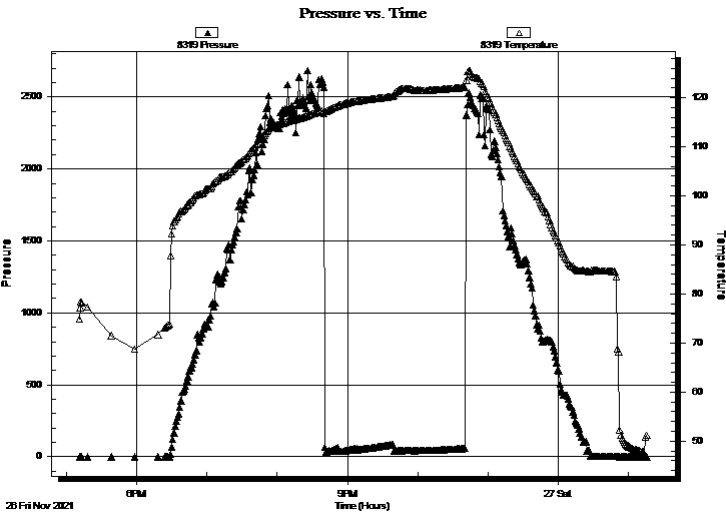
GENERAL INFORMATION:

Formation:	Morrow				
Deviated:	No Whipstock:	ft (KB)	Test Type:	Conventional Bottom Hole (Initial)	
Time Tool Opened:	20:40:00		Tester:	Bradley Walter	
Time Test Ended:	01:16:30		Unit No:	78	
Interval:	5180.00 ft (KB) To 5344.00 ft (KB) (TVD)		Reference Elevations:	3047.00 ft (KB)	
Total Depth:	5344.00 ft (KB) (TVD)			3034.00 ft (CF)	
Hole Diameter:	7.88 inches	Hole Condition: Good	KB to GR/CF:	13.00 ft	

Serial #: 8319 Outside

Press@RunDepth:	psig @	5181.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2021.11.26	End Date:	2021.11.27	Last Calib.:	2021.11.27
Start Time:	17:11:05	End Time:	01:16:29	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: 1.3" blow .
IS: No return.
FF: 1/4" blow .
FS: No return. 30-30-30-30



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100m (oil speks in tool)	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palmer Oil, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

6-28s-33w Haskell, KS
Holloway #6-2
Job Ticket: 67744 **DST#: 1**
Test Start: 2021.11.26 @ 17:11:00

Tool Information

Drill Pipe:	Length: 4988.00 ft	Diameter: 3.80 inches	Volume: 69.97 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 115000.0 lb
			<u>Total Volume: 70.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	5180.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	154.00 ft			
Tool Length:	181.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			5154.00	
Shut In Tool	5.00		Fluid	5159.00	
Hydraulic tool	5.00			5164.00	
Jars	5.00			5169.00	
Safety Joint	2.00			5171.00	
Packer	5.00		Inside	5176.00	27.00 Bottom Of Top Packer
Packer	4.00			5180.00	
Stubb	1.00			5181.00	
Recorder	0.00	8874	Inside	5181.00	
Recorder	0.00	8319	Outside	5181.00	
Perforations	26.00			5207.00	
Change Over Sub	1.00			5208.00	
Drill Pipe	122.00			5330.00	
Change Over Sub	1.00			5331.00	
Bullnose	3.00			5334.00	154.00 Bottom Packers & Anchor

Total Tool Length: 181.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palmer Oil, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

6-28s-33w Haskell, KS
Holloway #6-2
Job Ticket: 67744 **DST#: 1**
Test Start: 2021.11.26 @ 17:11:00

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100m (oil speks in tool)	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

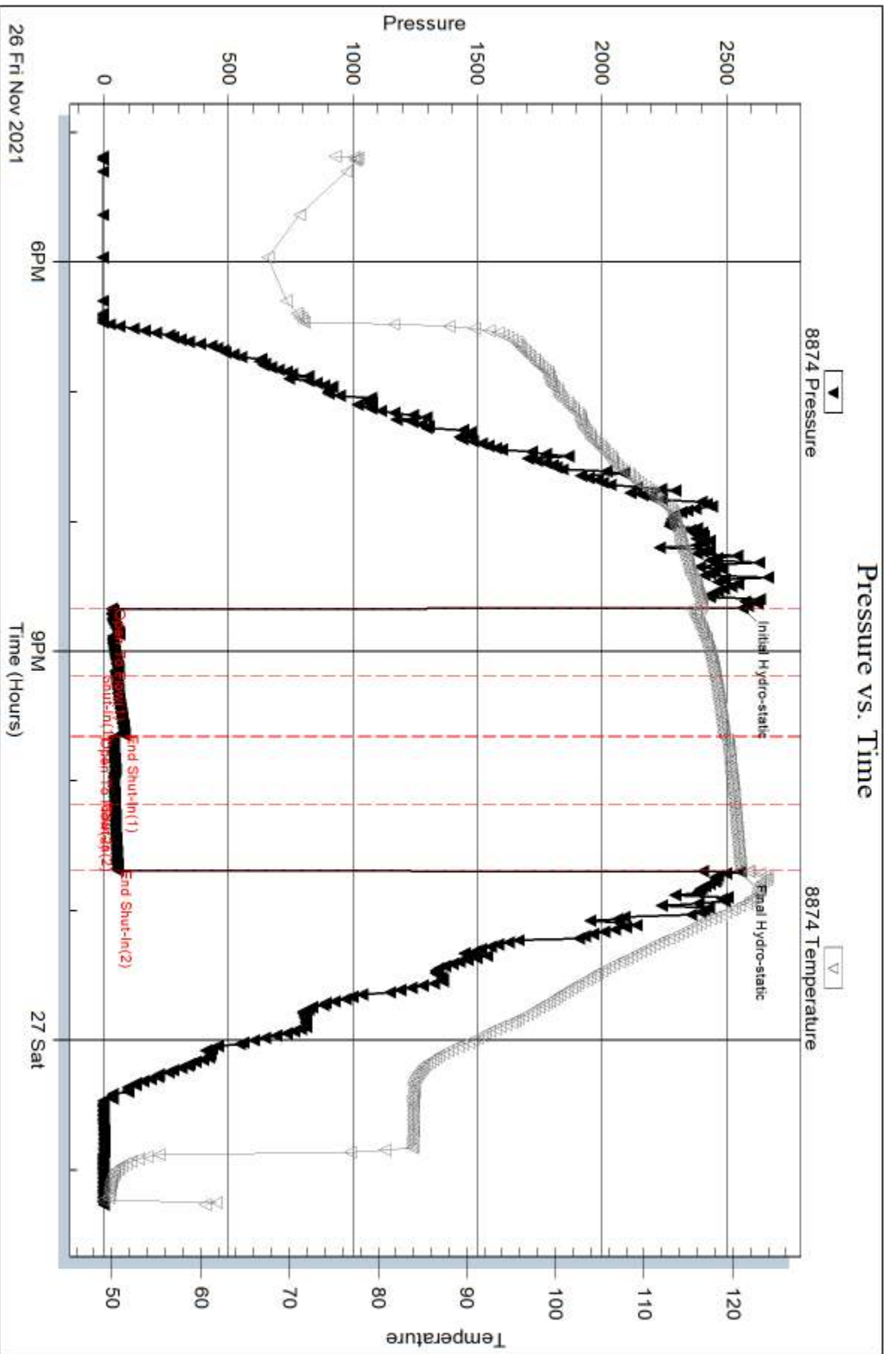
Serial #: 8874

Inside

Palmer Oil, Inc.

Hollow ay #6-2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 67744

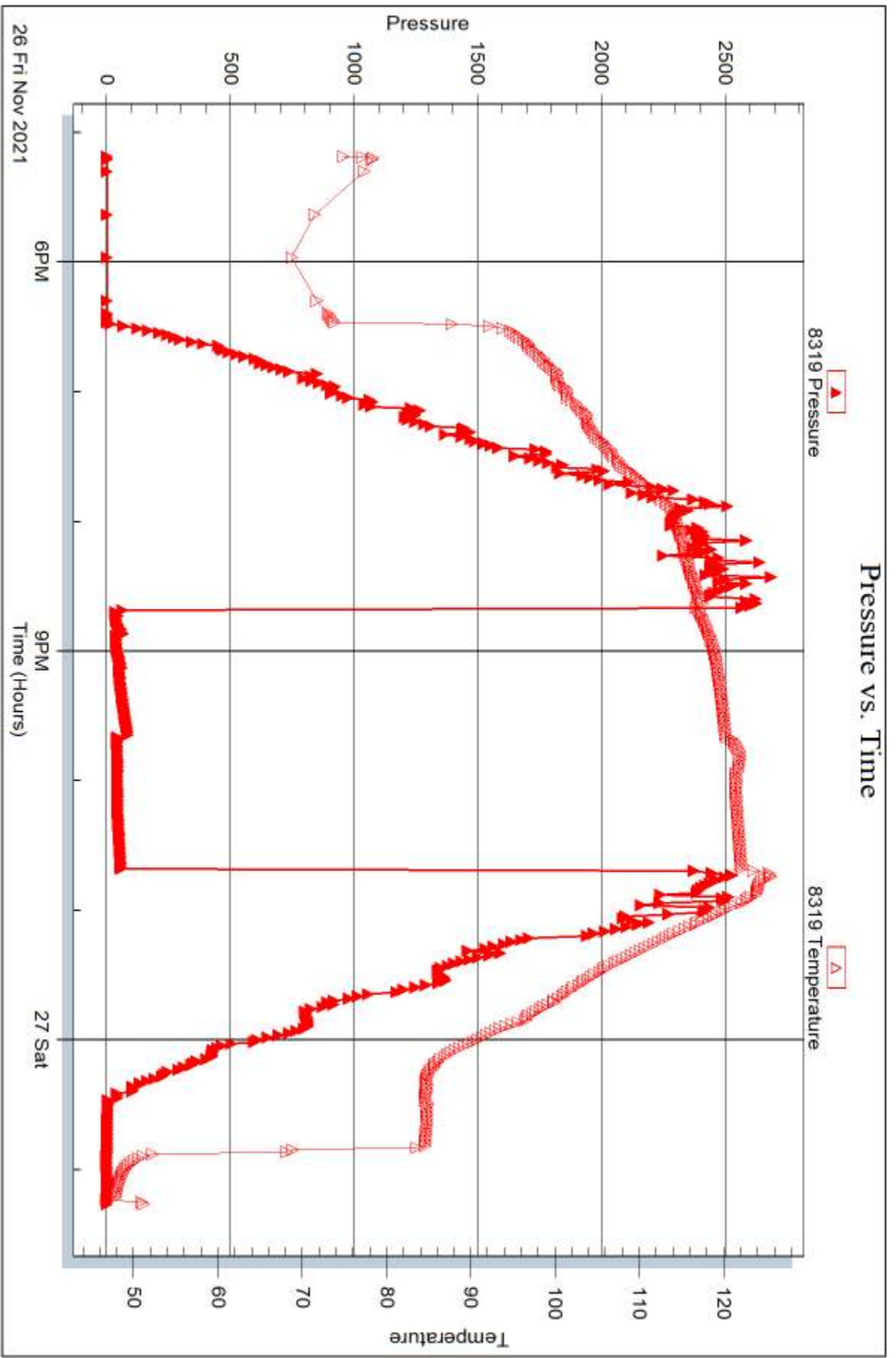
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Serial #: 8319

Outside Palmer Oil, Inc.

Hollow ay #6-2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67744

Printed: 2021.11.30 @ 10:36:12



DRILL STEM TEST REPORT

Prepared For: **Palmer Oil, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Holloway #6-2

6-28s-33w Haskell,KS

Start Date: 2021.11.27 @ 14:43:00

End Date: 2021.11.27 @ 22:22:00

Job Ticket #: 67745 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2021.11.30 @ 10:35:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palmer Oil, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

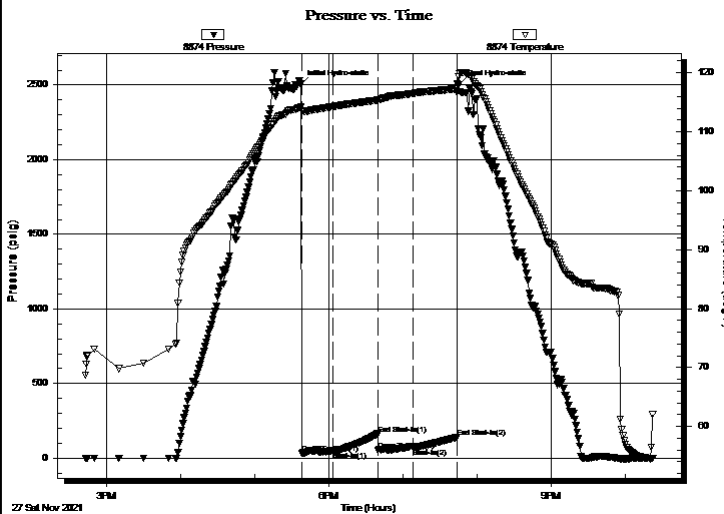
6-28s-33w Haskell, KS
Holloway #6-2
Job Ticket: 67745 **DST#: 2**
Test Start: 2021.11.27 @ 14:43:00

GENERAL INFORMATION:

Formation: **Upper Chester**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:37:45
Time Test Ended: 22:22:00
Interval: **5190.00 ft (KB) To 5428.00 ft (KB) (TVD)**
Total Depth: 5428.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 3047.00 ft (KB)
3034.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8874 Inside
Press@RunDepth: 68.71 psig @ 5191.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.11.27 End Date: 2021.11.27 Last Calib.: 2021.11.27
Start Time: 14:43:05 End Time: 22:21:59 Time On Btm: 2021.11.27 @ 17:37:15
Time Off Btm: 2021.11.27 @ 19:44:45

TEST COMMENT: IF: 1.5" blow .
IS: No return.
FF: .8" blow .
FS: No return. 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2501.78	114.16	Initial Hydro-static
1	34.67	113.50	Open To Flow (1)
26	44.91	114.28	Shut-In(1)
62	163.11	115.37	End Shut-In(1)
63	51.69	115.36	Open To Flow (2)
91	68.71	116.48	Shut-In(2)
126	140.38	117.31	End Shut-In(2)
128	2503.49	119.34	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palmer Oil, Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

6-28s-33w Haskell, KS
Holloway #6-2
 Job Ticket: 67745 **DST#: 2**
 Test Start: 2021.11.27 @ 14:43:00

GENERAL INFORMATION:

Formation: **Upper Chester**

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 17:37:45 Tester: Bradley Walter

Time Test Ended: 22:22:00 Unit No: 78

Interval: **5190.00 ft (KB) To 5428.00 ft (KB) (TVD)** Reference Elevations: 3047.00 ft (KB)

Total Depth: 5428.00 ft (KB) (TVD) 3034.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 13.00 ft

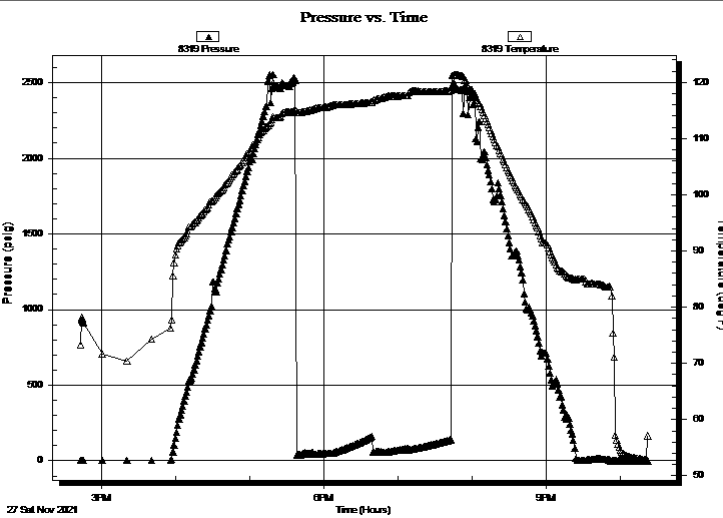
Serial #: 8319 Outside

Press@RunDepth: psig @ 5191.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2021.11.27 End Date: 2021.11.27 Last Calib.: 2021.11.27

Start Time: 14:43:05 End Time: 22:21:43 Time On Btm: Time Off Btm:

TEST COMMENT: IF: 1.5" blow.
 IS: No return.
 FF: .8" blow.
 FS: No return. 30-30-30



PRESSURE SUMMARY

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

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palmer Oil, Inc.

6-28s-33w Haskell, KS

PO Box 399
Garden City, KS 67846

Holloway #6-2

Job Ticket: 67745

DST#: 2

ATTN: Kevin Timson

Test Start: 2021.11.27 @ 14:43:00

Tool Information

Drill Pipe:	Length: 5019.00 ft	Diameter: 3.80 inches	Volume: 70.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 71.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	5190.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	238.00 ft			
Tool Length:	265.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5164.00	
Shut In Tool	5.00		Fluid	5169.00	
Hydraulic tool	5.00			5174.00	
Jars	5.00			5179.00	
Safety Joint	2.00			5181.00	
Packer	5.00		Inside	5186.00	27.00 Bottom Of Top Packer
Packer	4.00			5190.00	
Stubb	1.00			5191.00	
Recorder	0.00	8874	Inside	5191.00	
Recorder	0.00	8319	Outside	5191.00	
Perforations	14.00			5205.00	
Change Over Sub	1.00			5206.00	
Drill Pipe	218.00			5424.00	
Change Over Sub	1.00			5425.00	
Bullnose	3.00			5428.00	238.00 Bottom Packers & Anchor

Total Tool Length: 265.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palmer Oil, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

6-28s-33w Haskell, KS
Holloway #6-2
Job Ticket: 67745 **DST#: 2**
Test Start: 2021.11.27 @ 14:43:00

Mud and Cushion Information

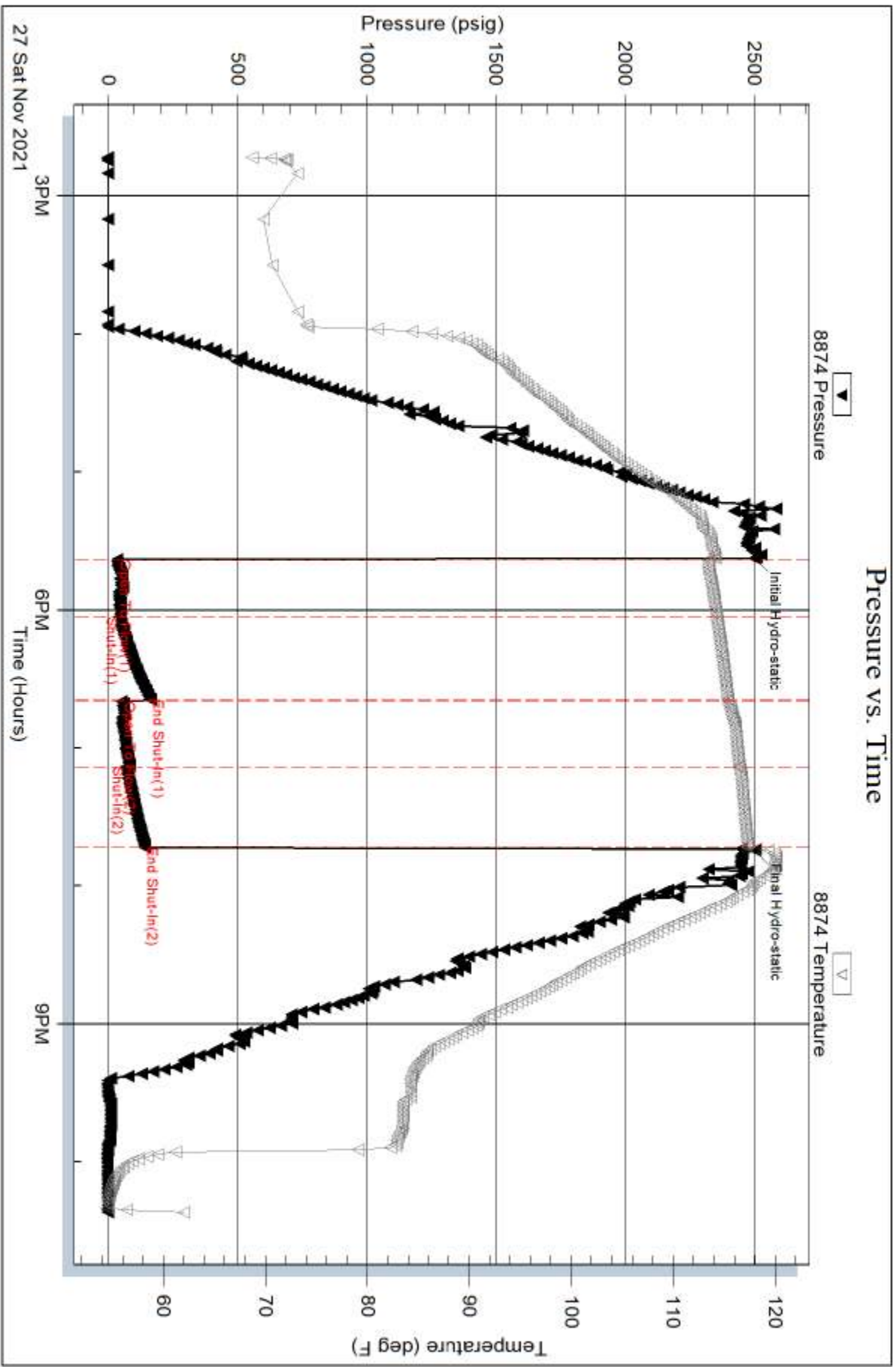
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud 100m	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:

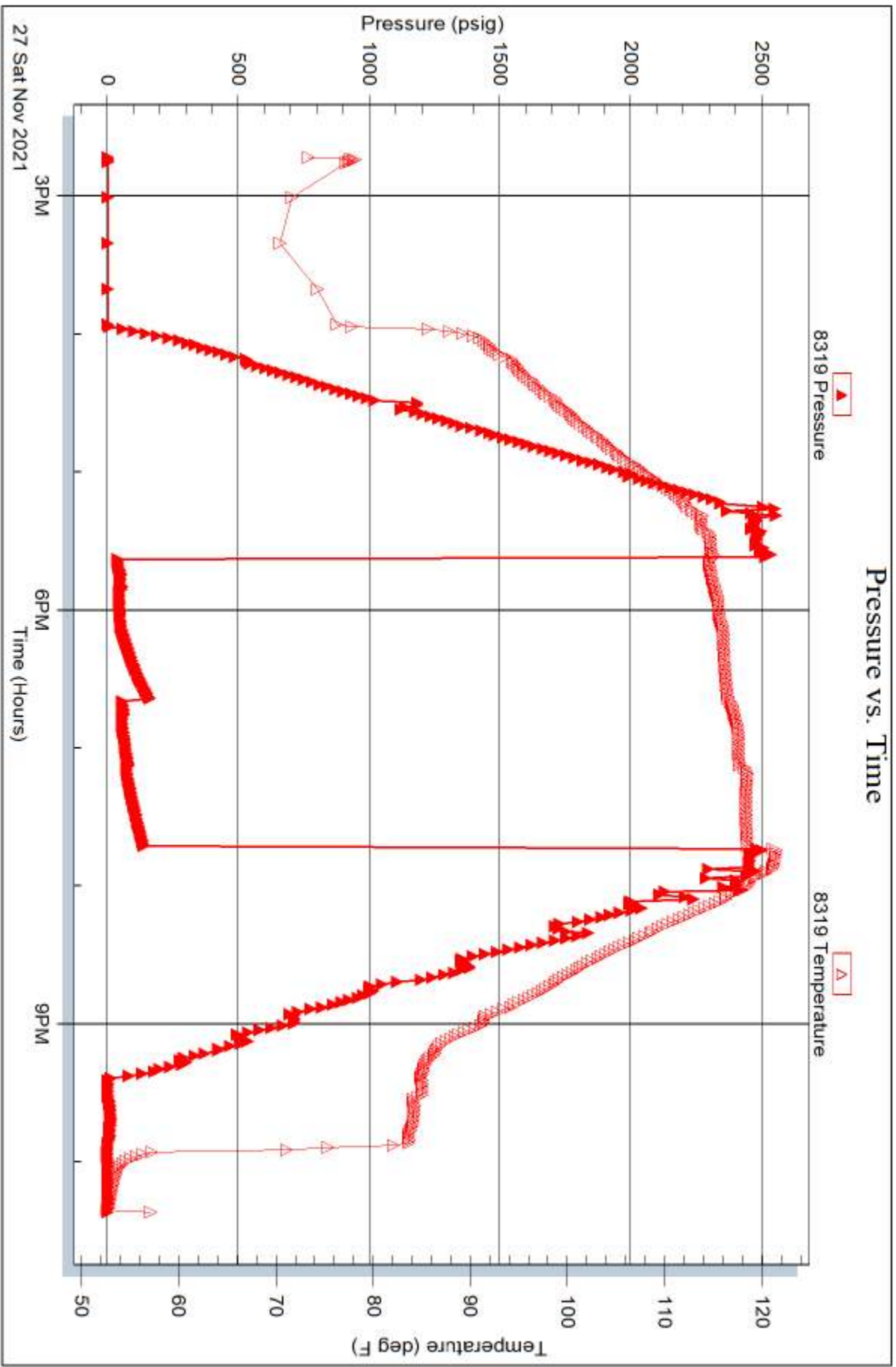


Serial #: 8319

Outside Palmer Oil, Inc.

Hollow ay #6-2

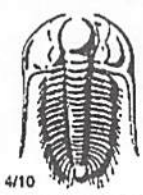
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67745

Printed: 2021.11.30 @ 10:35:24



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **67744**

Well Name & No. Holloway #6-2 Test No. 1 Date 11/26/2021
 Company Palmer Oil, Inc Elevation 3047 KB 3034 GL
 Address PO Box 399 Garden City, Ks 67846
 Co. Rep / Geo. Kevin Timson Rig Dike 9
 Location: Sec. 6 Twp 28s Rge. 33w Co. Haskell State Ks

Interval Tested 5180-5334 Zone Tested Morrow
 Anchor Length 154 Drill Pipe Run 4988 Mud Wt. 9.0
 Top Packer Depth 5175 Drill Collars Run 176 Vis 62
 Bottom Packer Depth 5180 Wt. Pipe Run — WL 5.6
 Total Depth 5334 Chlorides 1200 ppm System LCM 3#

Blow Description JF 1.3" blow
IST No return.
FF 1/4" blow
FSI No return.

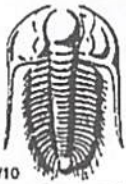
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>mud</u>			<u>100</u>	
	<u>oil spots in tool</u>				

Rec Total 30 BHT 121 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2564</u>	<input checked="" type="checkbox"/> Test <u>1550</u>	T-On Location <u>1530</u>
(B) First Initial Flow <u>33</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1711</u>
(C) First Final Flow <u>50</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2041</u>
(D) Initial Shut-In <u>64</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2241</u>
(E) Second Initial Flow <u>40</u>	<input type="checkbox"/> Hourly Standby	T-Out
(F) Second Final Flow <u>44</u>	<input checked="" type="checkbox"/> Mileage <u>136RT</u> 172.50	Comments
(G) Final Shut-In <u>56</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2564</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>2047.50</u>
	Sub Total <u>2047.50</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]

Tribolite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67745

Well Name & No. Holloway #6-2 Test No. 2 Date 11/27/2021
 Company Palmer Oil, Inc Elevation 3047 KB 3034 GL
 Address PO Box 399 Garden City, Ks 67846
 Co. Rep / Geo. Kevin Timson Rig Doke #9
 Location: Sec. 6 Twp 28S Rge. 33W Co. Haskell State Ks

Interval Tested 5190-5428 Zone Tested Upper Chester
 Anchor Length 238' Drill Pipe Run 5019 Mud Wt. 9.0
 Top Packer Depth 5185 Drill Collars Run 176 Vis 48
 Bottom Packer Depth 5190 Wt. Pipe Run 8 WL 7.2
 Total Depth 5428 Chlorides 1500 ppm System LCM 4#

Blow Description IF 1.5" blow
ISI No return.
FF 0.8" blow
FSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>mud</u>			<u>100</u>	

Rec Total 70 BHT 119 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2501 Test 1550 T-On Location 1400
 (B) First Initial Flow 34 Jars 250 T-Started 1445
 (C) First Final Flow 44 Safety Joint 75 T-Open 1731
 (D) Initial Shut-In 163 Circ Sub _____ T-Pulled 1932
 (E) Second Initial Flow 51 Hourly Standby _____ T-Out 2221
 (F) Second Final Flow 68 Mileage 138 AT x2 172.50+
 (G) Final Shut-In 140 Sampler _____ 172.50
 (H) Final Hydrostatic 2503 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Sub Total 2220 MP/DST Disc't _____
 Total 2220

Approved By _____ Our Representative [Signature]

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palmer Oil, Inc.
PO Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

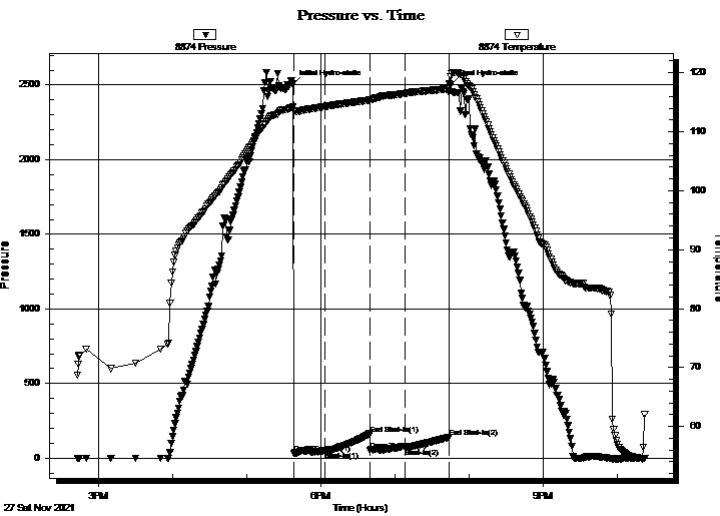
6 28s 33w Haskell, Ks
Holloway 6-2
Job Ticket: 67745 **DST#: 2**
Test Start: 2021.11.27 @ 14:43:00

GENERAL INFORMATION:

Formation: **Upper Chester**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:37:45
Time Test Ended: 22:22:00
Interval: **5190.00 ft (KB) To 5428.00 ft (KB) (TVD)**
Total Depth: 5428.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 3047.00 ft (KB)
3034.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8874 Inside
Press@RunDepth: 68.71 psig @ 5191.00 ft (KB) Capacity: 8000.00 psig
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Time Off Btm: 2021.11.27 @ 19:44:45

TEST COMMENT: IF: 1.5" blow .
IS: No return.
FF: .8" blow .
FS: No return. 30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2501.78	114.16	Initial Hydro-static
1	34.67	113.50	Open To Flow (1)
26	44.91	114.28	Shut-In(1)
62	163.11	115.37	End Shut-In(1)
63	51.69	115.36	Open To Flow (2)
91	68.71	116.48	Shut-In(2)
126	140.38	117.31	End Shut-In(2)
128	2503.49	119.34	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Palmer Oil, Inc.
PO Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

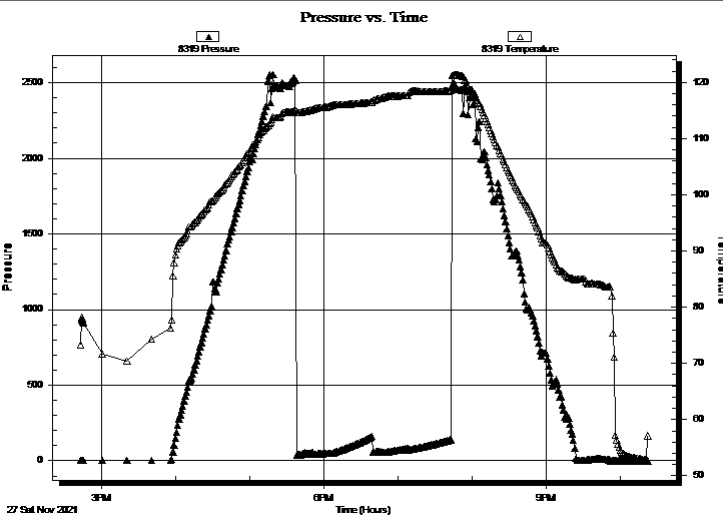
6 28s 33w Haskell, Ks
Holloway 6-2
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3034.00 ft (CF)
KB to GR/CF: 13.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 78

Serial #: 8319 Outside
Press@RunDepth: psig @ 5191.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2021.11.27 End Date: 2021.11.27 Last Calib.: 2021.11.27
Start Time: 14:43:05 End Time: 22:21:43 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 1.5" blow .
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PRESSURE SUMMARY

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

Recovery

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

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palmer Oil, Inc.
PO Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

6 28s 33w Haskell, Ks
Holloway 6-2
Job Ticket: 67745 **DST#: 2**
Test Start: 2021.11.27 @ 14:43:00

Mud and Cushion Information

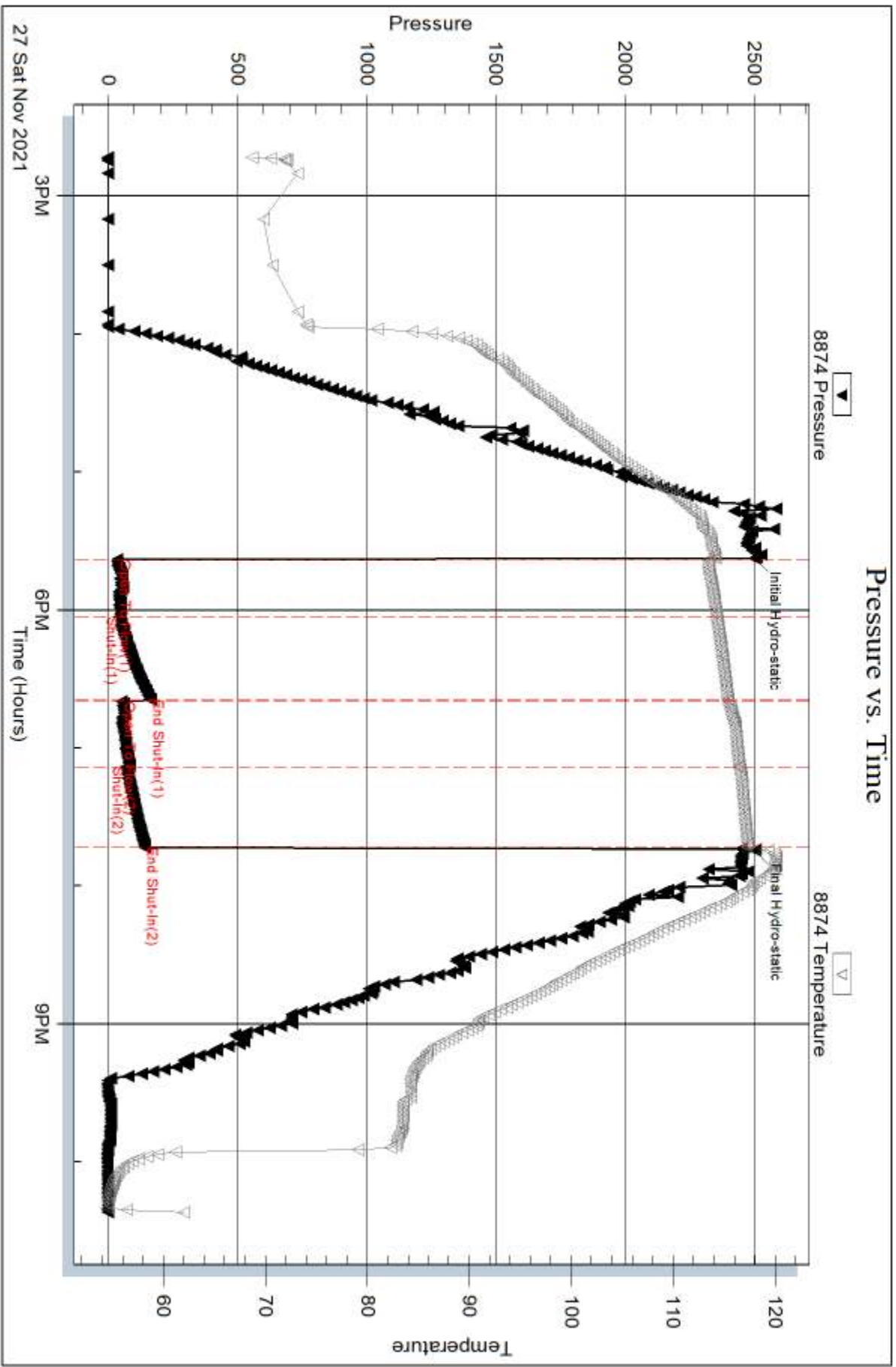
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.20 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1500.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud 100m	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:

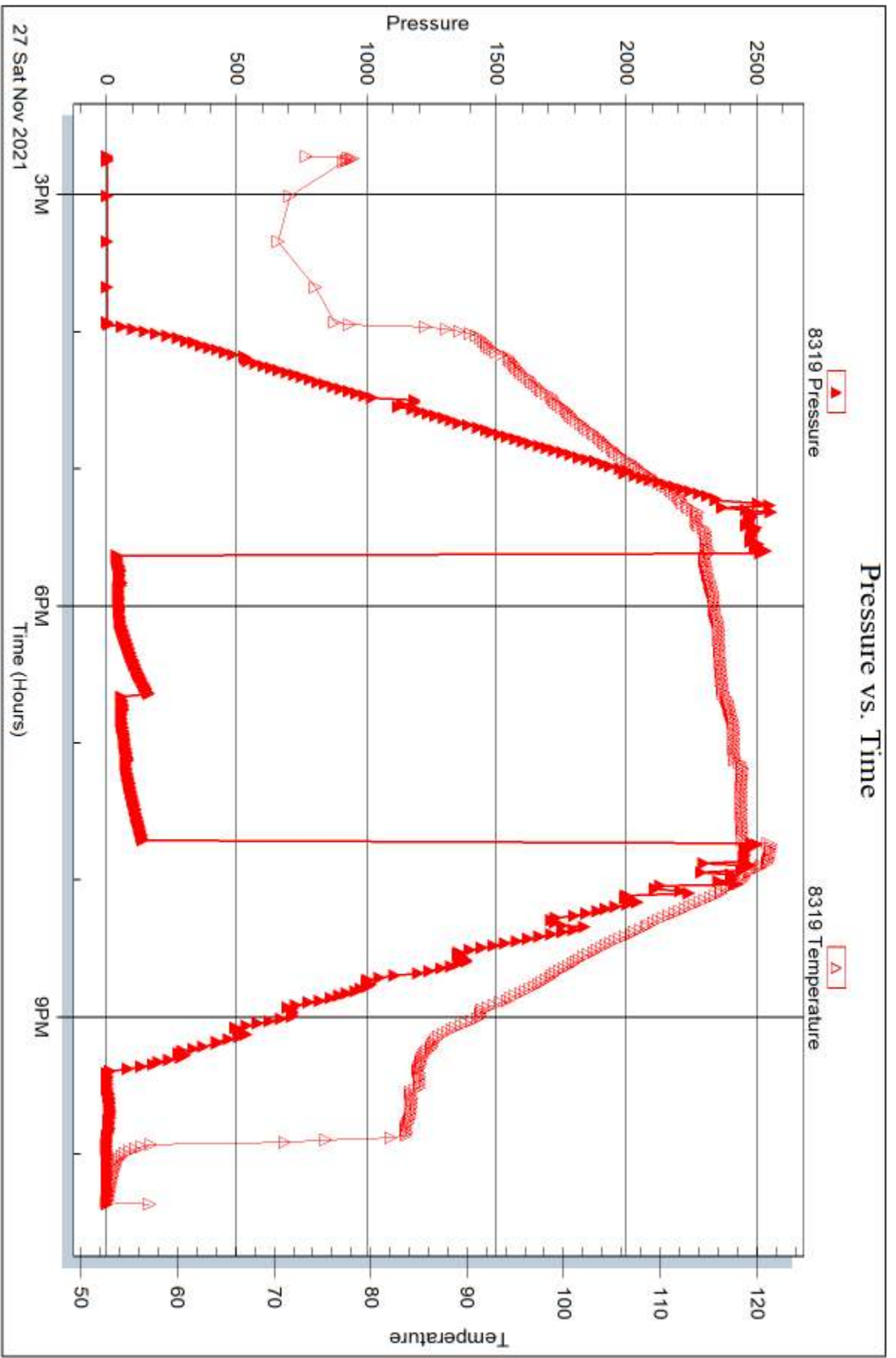


Serial #: 8319

Outside Palmer Oil, Inc.

Hollow ay 6-2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67745

Printed: 2021.11.27 @ 23:07:29