

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) (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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Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 PALOMINO PETROLEUM INC
 4924 SE 84TH ST
 NEWTON, KS 67114-8827

Invoice Date: 12/21/2021
 Invoice #: 0357835
 Lease Name: The Empire Strikes Back
 Well #: 1 (New)
 County: Ness, Ks
 Job Number: WP2247
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	18.000	3,600.00
Light Eq Mileage	95.000	1.800	171.00
Heavy Eq Mileage	95.000	3.600	342.00
Ton Mileage	893.000	1.350	1,205.55
Depth Charge 0'-500'	1.000	900.000	900.00

Total 6,218.55

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton KS 67114+8827

ATTN: Gareth Dinkel

17-20s-25w Ness,KS

The Empire Strikes Back #1

Start Date: 2021.12.30 @ 19:00:00

End Date: 2021.12.31 @ 03:29:02

Job Ticket #: 67861 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.01.04 @ 11:32:25

Palomino Petroleum Inc

The Empire Strikes Back #1

17-20s-25w Ness,KS

DST # 1

Mississippi

2021.12.30



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Garet Dinkel

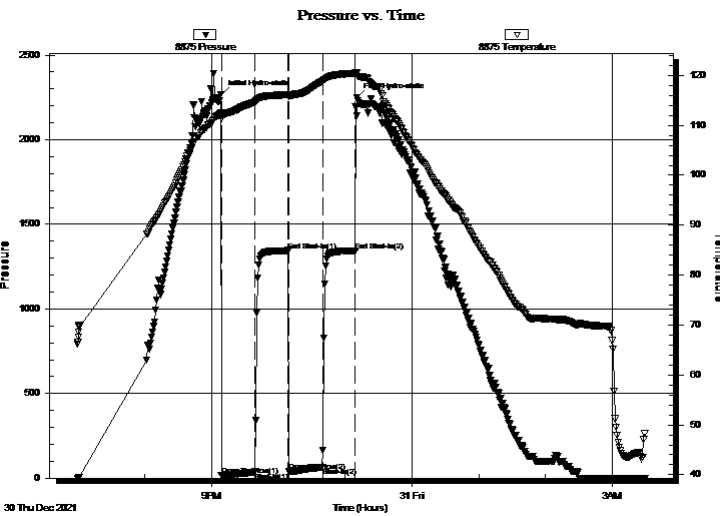
The Empire Strikes Back #1
17-20s-25w Ness,KS
Job Ticket: 67861 **DST#: 1**
Test Start: 2021.12.30 @ 19:00:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:09:02
Time Test Ended: 03:29:02
Interval: **4484.00 ft (KB) To 4518.00 ft (KB) (TVD)**
Total Depth: 4518.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Spencer J Staab
Unit No: 84
Reference Elevations: 2493.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8875 Outside
Press@RunDepth: 65.27 psig @ 4485.00 ft (KB) Capacity: psig
Start Date: 2021.12.30 End Date: 2021.12.31 Last Calib.: 2021.12.31
Start Time: 19:00:01 End Time: 03:29:02 Time On Btm: 2021.12.30 @ 21:08:57
Time Off Btm: 2021.12.30 @ 23:10:42

TEST COMMENT: 30-IF-Surface to 1/2"
30-ISI-No Return
30-FF-No Blow
30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.41	112.41	Initial Hydro-static
1	16.30	111.37	Open To Flow (1)
30	36.71	114.67	Shut-In(1)
61	1345.00	116.18	End Shut-In(1)
61	38.95	115.81	Open To Flow (2)
91	65.27	118.83	Shut-In(2)
121	1344.15	120.41	End Shut-In(2)
122	2247.91	120.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud w /scum oil	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Garet Dinkel

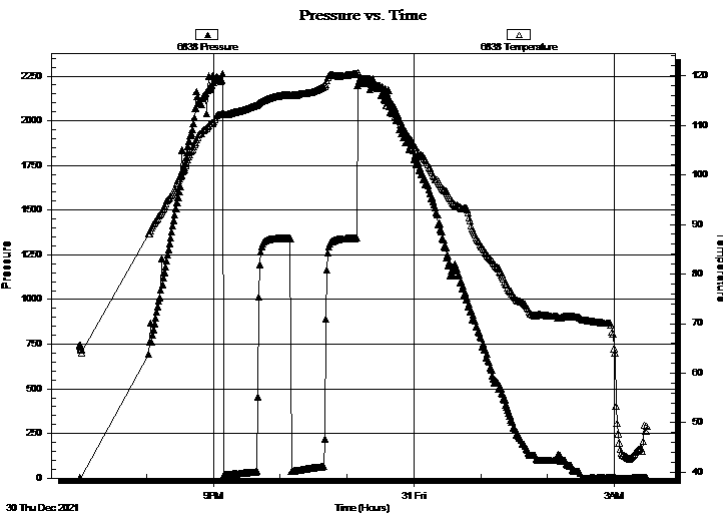
The Empire Strikes Back #1
17-20s-25w Ness,KS
Job Ticket: 67861 **DST#: 1**
Test Start: 2021.12.30 @ 19:00:00

GENERAL INFORMATION:

Formation: Mississippi			
Deviated: No Whipstock:		ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 21:09:02			Tester: Spencer J Staab
Time Test Ended: 03:29:02			Unit No: 84
Interval: 4484.00 ft (KB) To 4518.00 ft (KB) (TVD)			Reference Elevations: 2493.00 ft (KB)
Total Depth: 4518.00 ft (KB) (TVD)			2481.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair		KB to GR/CF: 12.00 ft

Serial #: 6838	Inside				
Press@RunDepth:	psig @	4485.00 ft (KB)	Capacity:		psig
Start Date:	2021.12.30	End Date:	2021.12.31	Last Calib.:	2021.12.31
Start Time:	19:00:01	End Time:	03:29:02	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 30-IF-Surface to 1/2"
30-ISI-No Return
30-FF-No Blow
30-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud w /scum oil	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Garet Dinkel

The Empire Strikes Back #1
17-20s-25w Ness,KS
Job Ticket: 67861 **DST#: 1**
Test Start: 2021.12.30 @ 19:00:00

Tool Information

Drill Pipe:	Length: 4242.00 ft	Diameter: 3.82 inches	Volume: 60.13 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	61000.00 lb
			<u>Total Volume:</u> - bbl	Tool Chased	ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	4484.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	63.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4456.00	
Change Over Sub	1.00			4457.00	
Shut In Tool	5.00			4462.00	
Hydraulic tool	5.00		Fluid	4467.00	
Jars	5.00			4472.00	
Safety Joint	3.00			4475.00	
Packer	5.00			4480.00	29.00 Bottom Of Top Packer
Packer	4.00			4484.00	
Stubb	1.00			4485.00	
Recorder	0.00	6838	Inside	4485.00	
Recorder	0.00	8875	Outside	4485.00	
Perforations	30.00			4515.00	
Bullnose	3.00			4518.00	34.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Garet Dinkel

The Empire Strikes Back #1
17-20s-25w Ness,KS
Job Ticket: 67861 **DST#: 1**
Test Start: 2021.12.30 @ 19:00:00

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud w /scum oil	0.344

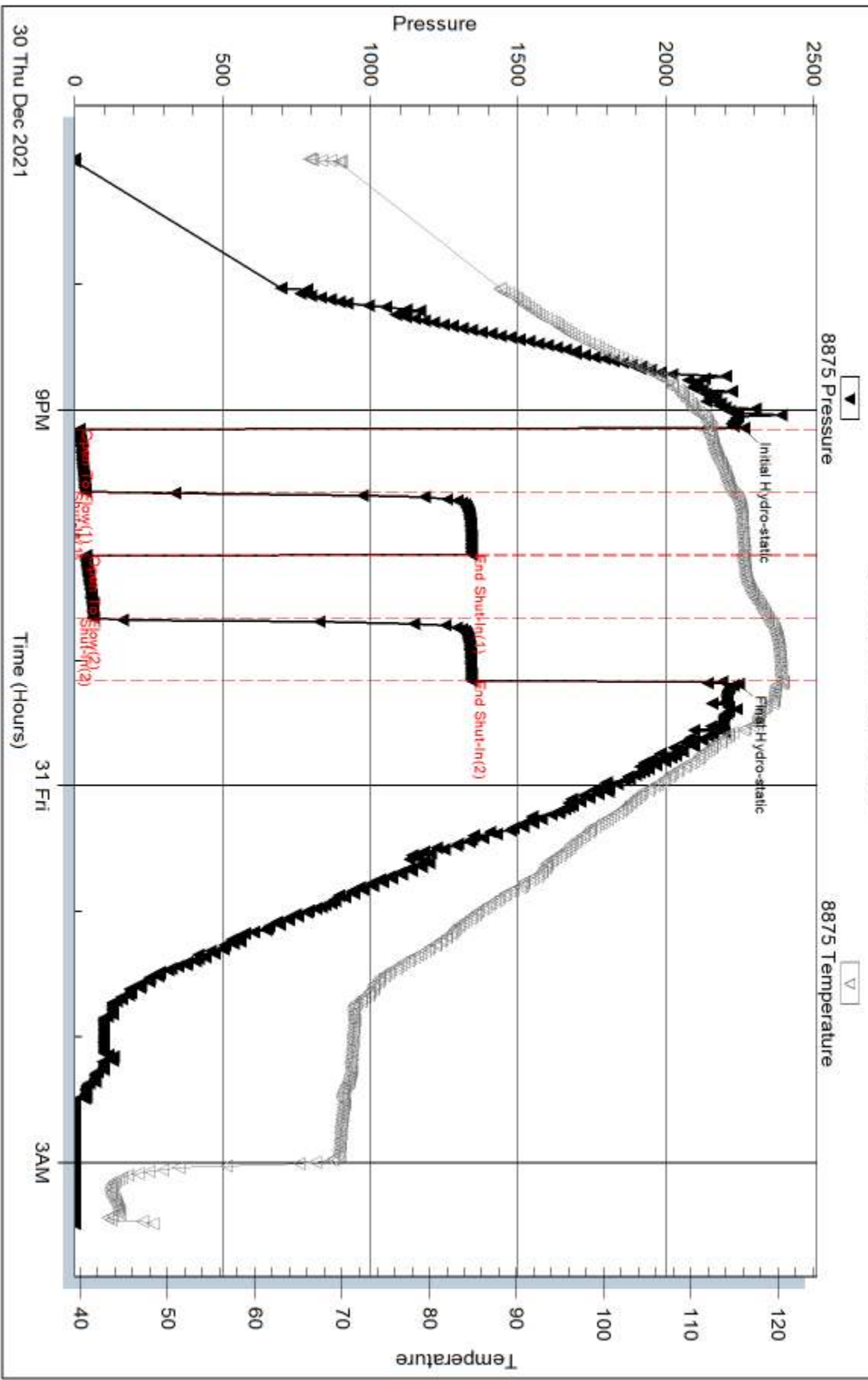
Total Length: 70.00 ft Total Volume: 0.344 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 1#LCM

Pressure vs. Time



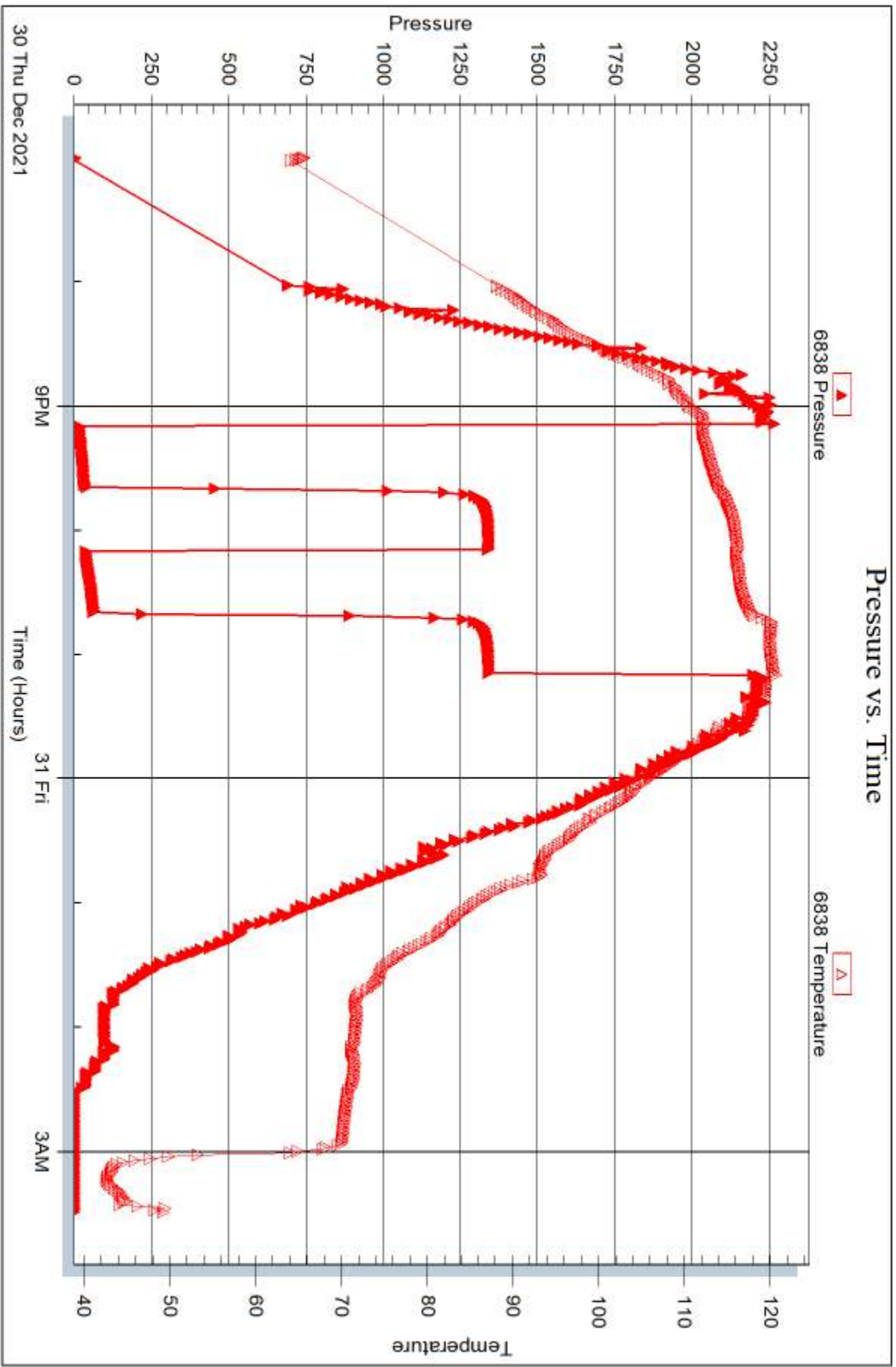
Serial #: 6838

Inside

Palomino Petroleum Inc

17-20s-25w Ness, KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton KS 67114+8827

ATTN: Garet Dinkel

17-20s-25w Ness,KS

The Empire Strikes Back #1

Start Date: 2021.12.31 @ 13:10:00

End Date: 2021.12.31 @ 19:31:12

Job Ticket #: 67862 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.01.04 @ 11:31:41



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Garet Dinkel

The Empire Strikes Back #1
17-20s-25w Ness,KS
Job Ticket: 67862 **DST#: 2**
Test Start: 2021.12.31 @ 13:10:00

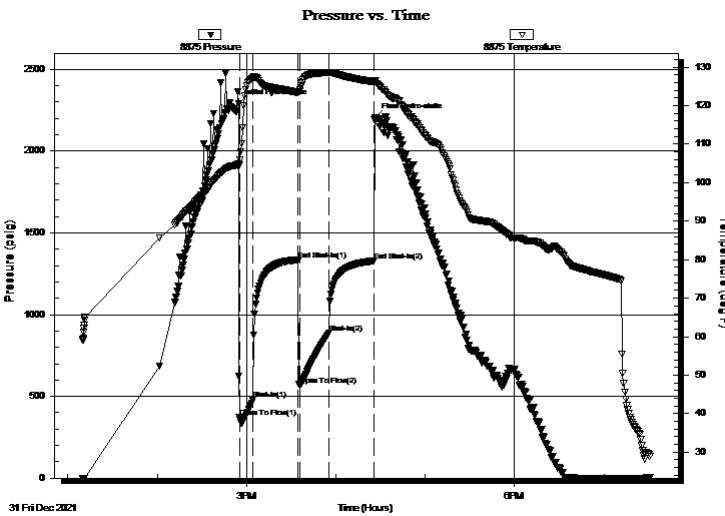
GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:55:12
Time Test Ended: 19:31:12
Interval: **4488.00 ft (KB) To 4539.00 ft (KB) (TVD)**
Total Depth: 4539.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2493.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 12.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84

Serial #: 8875 Inside
Press@RunDepth: 885.04 psig @ 4493.00 ft (KB) Capacity: psig
Start Date: 2021.12.31 End Date: 2021.12.31 Last Calib.: 2021.12.31
Start Time: 13:10:01 End Time: 19:31:11 Time On Btm: 2021.12.31 @ 14:54:42
Time Off Btm: 2021.12.31 @ 16:26:22

TEST COMMENT: 10-IF-BOB 45 secs Built to 71"
30-ISI-Weak Surface
20-FF-BOB 1 min Built to 112"
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2291.67	104.83	Initial Hydro-static
1	372.79	104.71	Open To Flow (1)
10	480.50	127.28	Shut-In(1)
40	1335.01	123.39	End Shut-In(1)
42	565.63	124.09	Open To Flow (2)
61	885.04	128.62	Shut-In(2)
91	1328.35	126.22	End Shut-In(2)
92	2204.50	126.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
350.00	WCM 10%W 90%M	2.75
1550.00	GW 5%G 95%W	21.97

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827

ATTN: Garet Dinkel

The Empire Strikes Back #1
17-20s-25w Ness,KS
Job Ticket: 67862 **DST#: 2**
Test Start: 2021.12.31 @ 13:10:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:55:12

Time Test Ended: 19:31:12

Interval: 4488.00 ft (KB) To 4539.00 ft (KB) (TVD)

Total Depth: 4539.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Reference Elevations: 2493.00 ft (KB)

2481.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 4493.00 ft (KB)

Start Date: 2021.12.31 End Date: 2021.12.31

Start Time: 13:10:01 End Time: 19:31:11

Capacity: psig

Last Calib.: 2021.12.31

Time On Btm:

Time Off Btm:

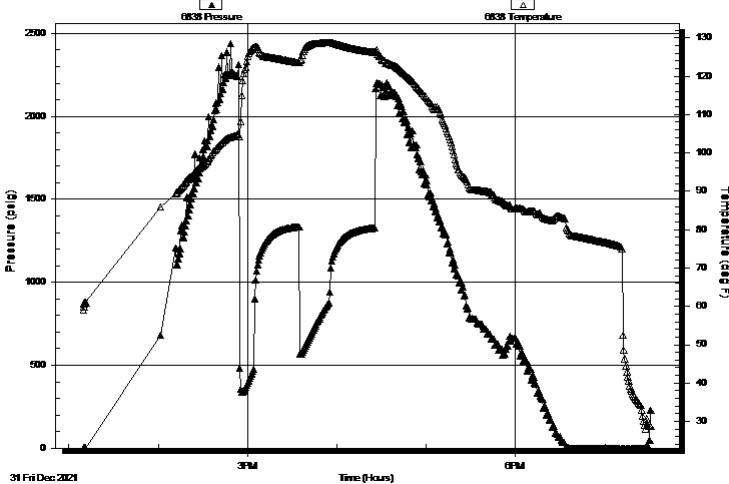
TEST COMMENT: 10-IF-BOB 45 secs Built to 71"

30-ISI-Weak Surface

20-FF-BOB 1 min Built to 112"

30-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
350.00	WCM 10%W 90%M	2.75
1550.00	GW 5%G 95%W	21.97

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Garet Dinkel

The Empire Strikes Back #1
17-20s-25w Ness,KS
Job Ticket: 67862 **DST#: 2**
Test Start: 2021.12.31 @ 13:10:00

Tool Information

Drill Pipe:	Length: 4240.00 ft	Diameter: 3.82 inches	Volume: 60.10 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4488.00 ft			Final	67000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	80.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4460.00	
Change Over Sub	1.00			4461.00	
Shut In Tool	5.00			4466.00	
Hydraulic tool	5.00		Fluid	4471.00	
Jars	5.00			4476.00	
Safety Joint	3.00			4479.00	
Packer	5.00			4484.00	29.00 Bottom Of Top Packer
Packer	4.00			4488.00	
Stubb	1.00			4489.00	
Perforations	3.00			4492.00	
Change Over Sub	1.00			4493.00	
Recorder	0.00	6838	Inside	4493.00	
Recorder	0.00	8875	Inside	4493.00	
Drill Pipe	32.00			4525.00	
Change Over Sub	1.00			4526.00	
Perforations	10.00			4536.00	
Bullnose	3.00			4539.00	51.00 Bottom Packers & Anchor
Total Tool Length:	80.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Garet Dinkel

The Empire Strikes Back #1
17-20s-25w Ness,KS
Job Ticket: 67862 **DST#: 2**
Test Start: 2021.12.31 @ 13:10:00

Mud and Cushion Information

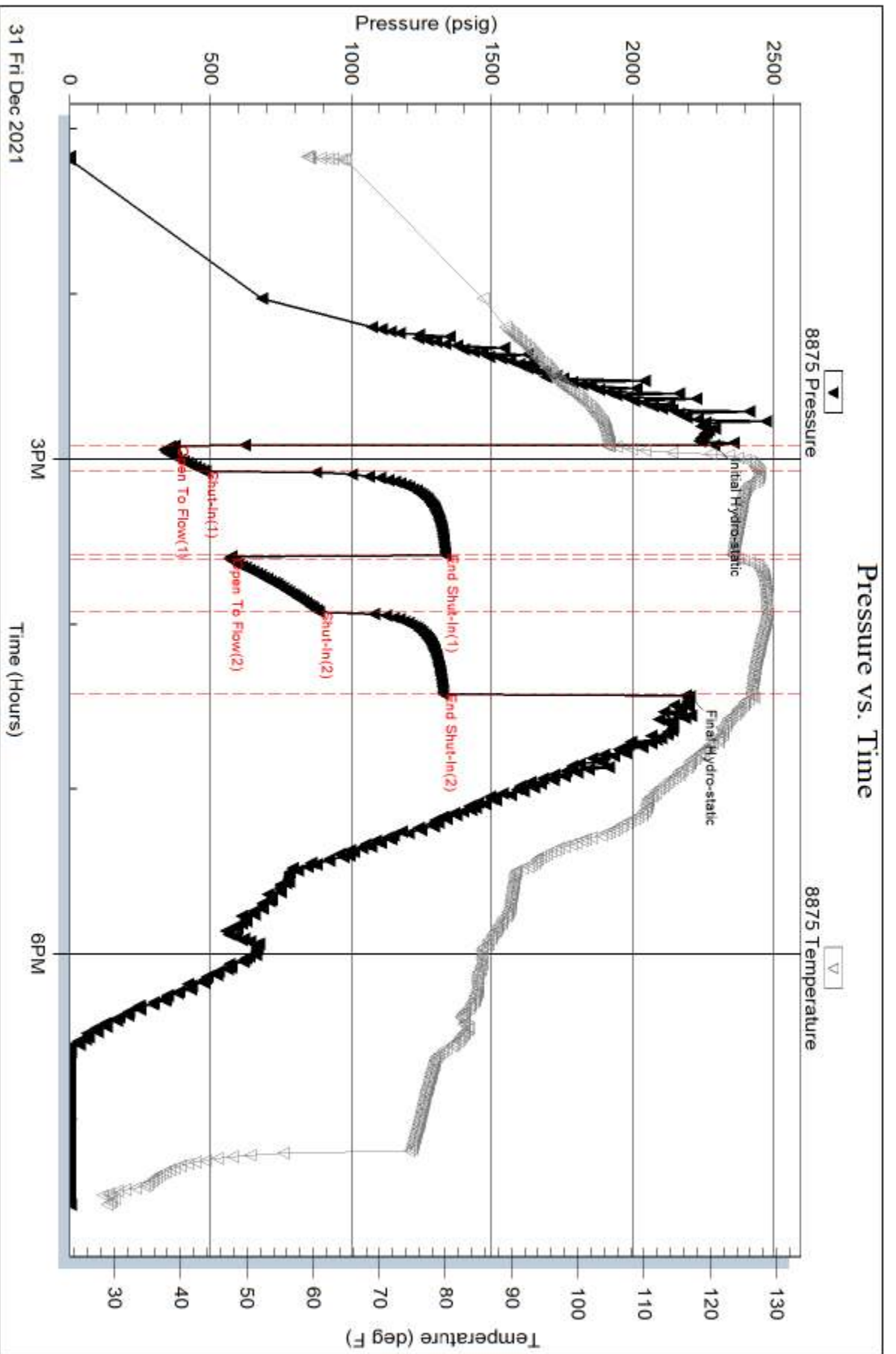
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	31000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
350.00	WCM 10%W 90%M	2.749
1550.00	GW 5%G 95%W	21.972

Total Length: 1900.00 ft Total Volume: 24.721 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 1#LCM
RW= .829@19F



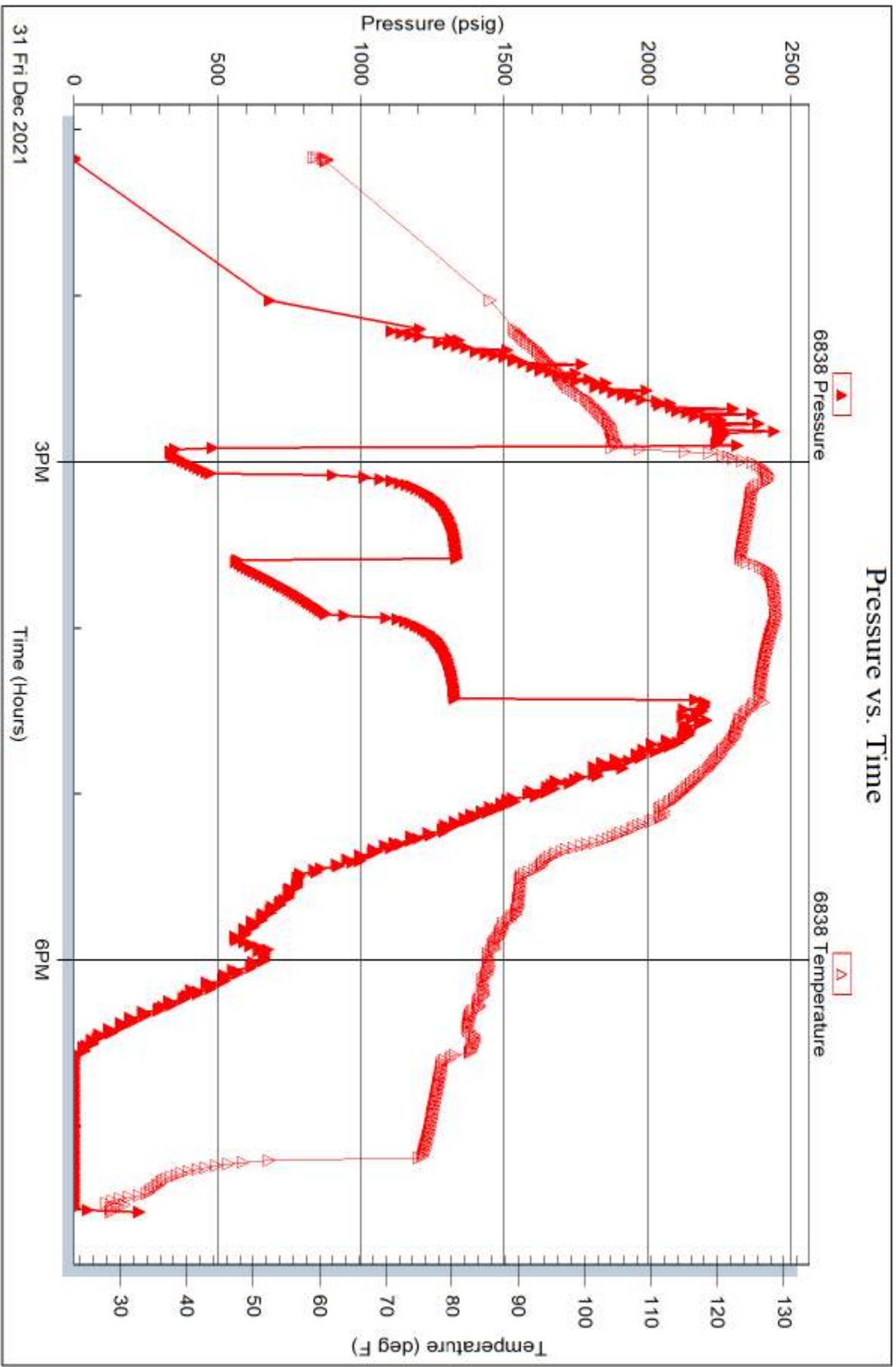
Serial #: 6838

Inside

Palomino Petroleum Inc

17-20s-25w Ness, KS

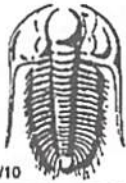
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67862

Printed: 2022.01.04 @ 11:31:42



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67861

Well Name & No. The Empire Strikes Back #1 Test No. 1 Date 12/30/2021
 Company Palomino Petroleum Inc Elevation 2493 KB 2481 GL
 Address 4924 SE 84th St Newton KS 67114+8827
 Co. Rep / Geo. Jared Dinkel Rig Murfin #21
 Location: Sec. 17 Twp 20s Rge. 25w Co. Miss State KS

Interval Tested 4484' - 4518' Zone Tested Mississippi
 Anchor Length 34' Drill Pipe Run 4242' Mud Wt. 9.2
 Top Packer Depth 4479' Drill Collars Run 239' Vis 58
 Bottom Packer Depth 4484' Wt. Pipe Run - WL 6.0
 Total Depth 4518' Chlorides 5000 ppm System LCM 1#

Blow Description 17- Surface to 1/2"
50- No Return
77- No Blow
78- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70'</u>	<u>Mud w/ scum oil</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70' BHT 120° Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2265 Test 1450 T-On Location 18:06
 (B) First Initial Flow 16 Jars 250 T-Started 19:00
 (C) First Final Flow 36 Safety Joint 75 T-Open 21:06
 (D) Initial Shut-In 1345 Circ Sub T-Pulled 23:06
 (E) Second Initial Flow 38 Hourly Standby T-Out 03:28
 (F) Second Final Flow 65 Mileage 17487 104rt 130 Comments no grocery
 (G) Final Shut-In 1344 Sampler open
 (H) Final Hydrostatic 2247 Straddle EM Tool

Initial Open 30 Shale Packer Ruined Shale Packer
 Initial Shut-In 30 Extra Packer Ruined Packer
 Final Flow 30 Extra Recorder Extra Copies
 Final Shut-In 30 Day Standby Sub Total 0
 Sub Total 1905 Accessibility Total 1905
 Sub Total 1905 MP/DST-Disc't

Approved By _____ Our Representative J. Dinkel Thanks!

Trilobite 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.

785-259-0036



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67862

Well Name & No. The Empire Strikes Back #1 Test No. 2 Date 12/31/2021
 Company Palomino Petroleum Inc Elevation 2493 KB 2481 GL
 Address 4924 SE 84th ST Newton KS 67112+8827
 Co. Rep / Geo. Mared Dinkel Rig Murfin #21
 Location: Sec. 17 Twp 20S Rge. 25W Co. Pass State KS

Interval Tested 4488' - 4539' Zone Tested Mississippi
 Anchor Length 51' Drill Pipe Run 4240' Mud Wt. 9.3
 Top Packer Depth 4483' Drill Collars Run 239' Vis 56
 Bottom Packer Depth 4488' Wt. Pipe Run - WL 6.0
 Total Depth 4539' Chlorides 4900 ppm System LCM 1#

Blow Description D7- BOB 45 secs; Built to 71"
DSD- Weak Surface
77- BOB 1 min; Built to 112"
75- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>350</u>	<u>WCM</u>		<u>10</u>	<u>90</u>	
<u>1550</u>	<u>GW</u>	<u>5</u>	<u>95</u>		

Rec Total 1900' BHT 126° Gravity - API RW 829 @ 19 °F Chlorides 31,000 ppm

(A) Initial Hydrostatic <u>2291</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>12:36</u>
(B) First Initial Flow <u>372</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>13:10</u>
(C) First Final Flow <u>480</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>14:56</u>
(D) Initial Shut-In <u>1335</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>16:26</u>
(E) Second Initial Flow <u>565</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>19:31</u>
(F) Second Final Flow <u>885</u>	<input checked="" type="checkbox"/> Mileage <u>174R72</u> 260	Comments <u>Loaded @ 11:00 01/01</u>
(G) Final Shut-In <u>1328</u>	<input type="checkbox"/> Sampler	<u>no grocery open</u>
(H) Final Hydrostatic <u>2201</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool

Initial Open 10
 Initial Shut-In 30
 Final Flow 20
 Final Shut-In 30

Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 2035

MP/DST Disc't

Approved By _____ Our Representative J.J. [Signature] Thanks!

Trilobite 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.

785-259-0036



PALOMINO PETROLEUM, INC.

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: The Empire Strikes Back #1
API: 15-135-26137
Location: SW NE SW NW Sec.17 T20S-R25W
License Number: 30742
Spud Date: 12/21/2021
Surface Coordinates: State Plane-NAD 27 Kansas South X= 1536728.35 Y= 604282.92
Nad 27 Lat/Long Lat: 38.315218 Long: -100.114709
Bottom Hole Coordinates: (Same)
Ground Elevation (ft): 2481
Logged Interval (ft): 3750 To: 4620
Formation: Mississippian
Type of Drilling Fluid: Water Based Chemical Mud

Region: Kansas
Drilling Completed: 1/1/2022
K.B. Elevation (ft): 2492
Total Depth (ft): 4620

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Palomino Petroleum Inc.
Address: 4924 SE 84th Street
Newton, Kansas 67114

GEOLOGIST

Name: Gareth Dinkel
Company: Grand Mesa Operating Company
Address: 1700 N Waterfront Parkway
Wichita, Kansas 67206

COMMENTS

Due to lack of viable reservoir encountered above local oil water contact, it was decided by operator to plug and abandoned The Empire Strikes Back #1 on 1/1/2022.

Respectfully submitted,
Gareth Dinkel



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 Newton KS 67114+8827
 ATTN: Garet Dinkel

The Empire Strikes Back #1
17-20s-25w Ness, KS
 Job Ticket: 67861 **DST#: 1**
 Test Start: 2021.12.30 @ 19:00:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:09:02
 Time Test Ended: 03:29:02

Test Type: Conventional Bottom Hole (Initial)
 Tester: Spencer J Staab
 Unit No: 84

Interval: **4484.00 ft (KB) To 4518.00 ft (KB) (TVD)**
 Total Depth: 4518.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair

Reference Elevations: 2493.00 ft (KB)
 2481.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8875

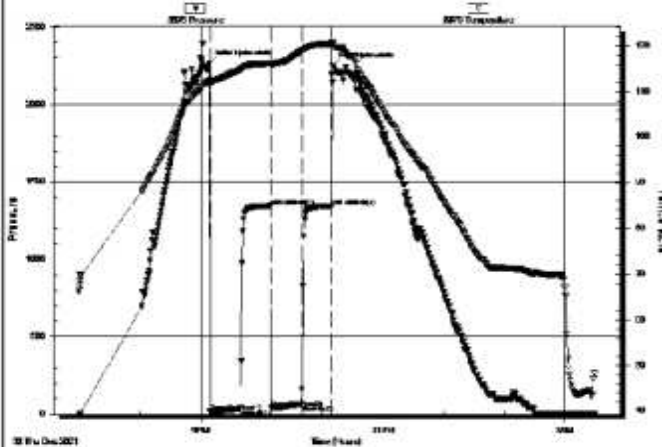
Outside

Press@RunDepth: 65.27 psig @ 4485.00 ft (KB)
 Start Date: 2021.12.30 End Date: 2021.12.31
 Start Time: 19:00:01 End Time: 03:29:02

Capacity: psig
 Last Calib.: 2021.12.31
 Time On Btm: 2021.12.30 @ 21:08:57
 Time Off Btm: 2021.12.30 @ 23:10:42

TEST COMMENT: 30-IF-Surface to 1/2"
 30-IS-No Return
 30-FF-No Blow
 30-FSH-No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2265.41	112.41	Initial Hydro-static
1	16.30	111.37	Open To Flow (1)
30	36.71	114.67	Shut-in(1)
61	1345.00	116.18	End Shut-in(1)
61	38.95	115.81	Open To Flow (2)
91	65.27	118.83	Shut-in(2)
121	1344.15	120.41	End Shut-in(2)
122	2247.91	120.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud w /scum oil	0.34

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton KS 67114+8827
ATTN: Garet Dinkel

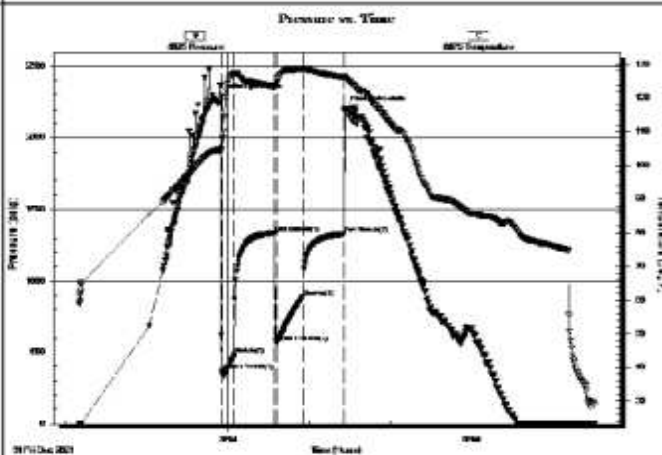
The Empire Strikes Back #1
17-20s-25w Ness, KS
Job Ticket: 67862 **DST#: 2**
Test Start: 2021.12.31 @ 13:10:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:55:12
Time Test Ended: 19:31:12
Interval: **4488.00 ft (KB) To 4539.00 ft (KB) (TVD)**
Total Depth: **4539.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Reference Elevations: 2493.00 ft (KB)
2481.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8875 Inside
Press@RunDepth: 885.04 psig @ 4493.00 ft (KB) Capacity: psig
Start Date: 2021.12.31 End Date: 2021.12.31 Last Calib.: 2021.12.31
Start Time: 13:10:01 End Time: 19:31:11 Time On Btm: 2021.12.31 @ 14:54:42
Time Off Btm: 2021.12.31 @ 16:26:22

TEST COMMENT: 10-IF-BOB 45 secs Built to 71"
30-ISI-Weak Surface
20-FF-BOB 1 min Built to 112"
30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2291.67	104.83	Initial Hydro-static
1	372.79	104.71	Open To Flow (1)
10	480.50	127.28	Shut-in(1)
40	1335.01	123.39	End Shut-in(1)
42	565.63	124.09	Open To Flow (2)
61	885.04	128.62	Shut-in(2)
91	1328.35	126.22	End Shut-in(2)
92	2204.50	126.27	Final Hydro-static

Recovery

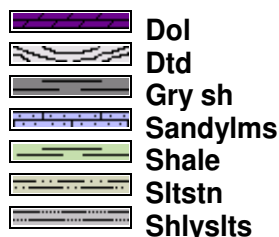
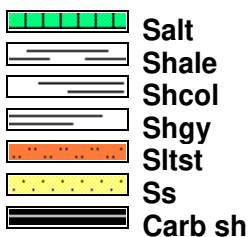
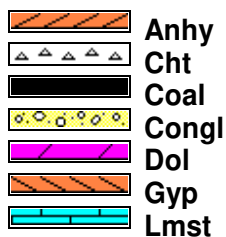
Length (ft)	Description	Volume (bbl)
350.00	WCM 10%W 90%M	2.75
1550.00	GW 5%G 95%W	21.97

* Recovery from multiple tests

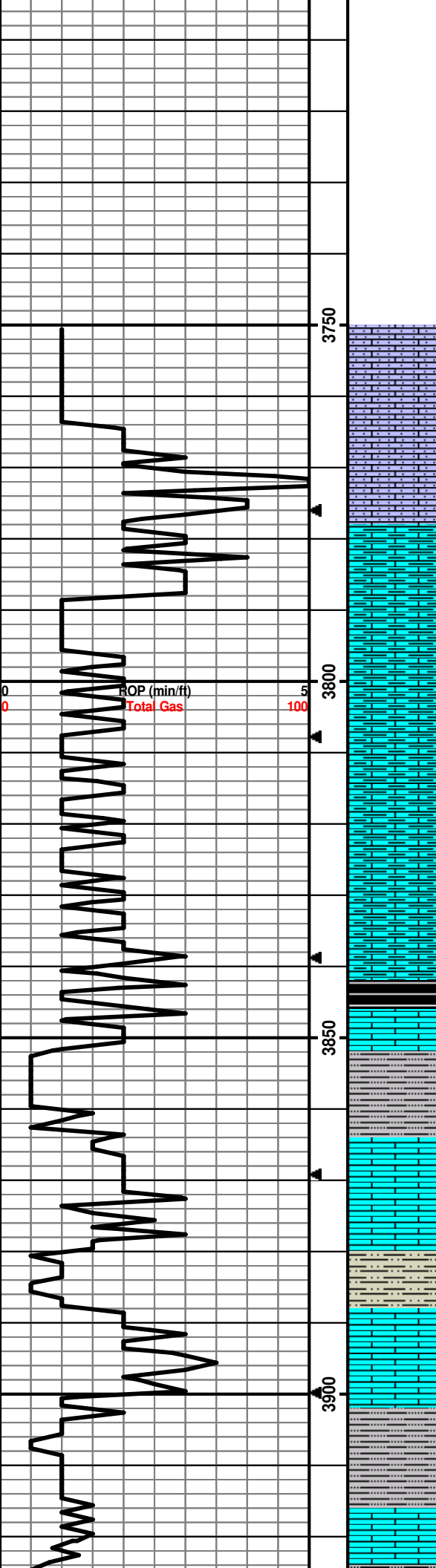
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)

ROCK TYPES



Curve Track 1		MD	Lithology	CFS Point	Oil Shows	Geological Descriptions	Remarks	
ROP (min/ft)	Total Gas							
0	5	35				<p>Palomino Petroleum, Inc. The Empire Strike Back #1 SW NE SW NW Sec.17 T20S-R25W GL: 2,481' KB: 2,492' RTD: 4,620' LTD: 4,621'</p> <p>Company Representative : Mr. Nick Gerstner Office: (316)-799-1000</p> <p>Drilling Contractor: Murfin Drilling Co., Inc. Rig # 21 Office: (316) 267-3241</p> <p>Tool Pusher: Juan Tinoco Cell: (620) 655-6886</p> <p>Drilling Fluids: Mud-co/Service Mud Inc. Gary Schmidtberger Cell: (785) 259-2757</p> <p>Drill Stem Testing: Trilobite Testing Spencer Staab 785-259-0056</p> <p>Wireline Logs: Gemini Wireline (CDNL-DIL-Micro) Gus Pfanensteil 785-735-7112</p> <p>Daily Drilling Report 12/20/21 MIRU 12/21/21 Spud 12:15 PM - Surface 8-5/8" @ 219' KB Plug Down 5:15 PM</p> <p>12/22/21 Drain up rig 12/23/21 Down for Holiday 12/24/21 Down for Holiday 12/25/21 Down for Holiday 12/26/21 Down for Holiday 12/27/21 Drill out 10:00 A.M. 12/28/21 Drlg - 2,161 ft. 12/29/21 Drlg - 3,855 ft. 12/30/21 Trip/bit - 4,479 ft. 12/31/21 TIH After DST #1 - 4,518 ft. 1/1/21 Logging - 4,620 ft.</p> <p>Bit Record 1. HTCO 12-1/4" 0-219 ft.</p>	Mud-Co Mud Check #1 12/17/21 Delivery Mud-Co Mud Check #2 12/21/21 Make-up Water 200 ppm Chloride 195 ppm Calcium Daily Cost: \$831.51 Cum. Cost: \$831.51 Mud-Co Mud Check #3 12/27/21 219 ft. Daily Cost: \$341.35 Cum. Cost: \$1,172.86 Mud-Co Mud Check #4 12/28/21 2,321 ft. Wt. 9.4 Vis. 29 LCM 0 27,000 pp. Chloride Daily Cost: \$501.80 Cum. Cost: \$1,674.66	
0	5	3600						
0	5	3650						
0	5	3700						



2. Smith -7-7/8" PDC
 Model: MDI 516
 Serial: JV6732
 In at 219' out 4,479'

3. Smith -7-7/8" Cone
 Model: FHI 20VPS
 Serial: RPO609
 In at 4,479' out 4,539'

4. Smith - 7-7/8" PDC
 Model: MDI 516
 Serial: JV6732
 In at 4,539' out TD

LS-bone-tan, micro-crystalline, dense, argillaceous, sandy 3790

LS-crm-gry, micro-crystalline, soft, argillaceous, v. chalky, 3800

LS-wht-crm, micro-crystalline, dense, v. chalky w/ Siltstone-gm-dense waxy 3820

LS- crm-gry, micro-crystalline, v. soft, abun. wht globular chalk. 3830

LS- AA3840

LS-crm mott black, micro-crystalline, dense sl. foss (pelletal) argilaceous, earthy, sandy w/ Siltstn-gm-gry, dense waxy 3850

Heebner Sh Mbr. 3,843' (-1,351)

LS AA, few scat Sh blk carb 3860
 Predom LSAA- w increase in Sh-blk, carb 3870

no sample 3880

Toronto Lm. Mbr. 3,863' (-1,371)

Flood Siltstn-gm, pyritic dense waxy, w/ Ls-crm, micro-crystalline, dense 3890

Flood Chalk, wht globular w/Siltstn-AA 3900

Chalk AA3910

Lansing Group 3,888' (-1,396)

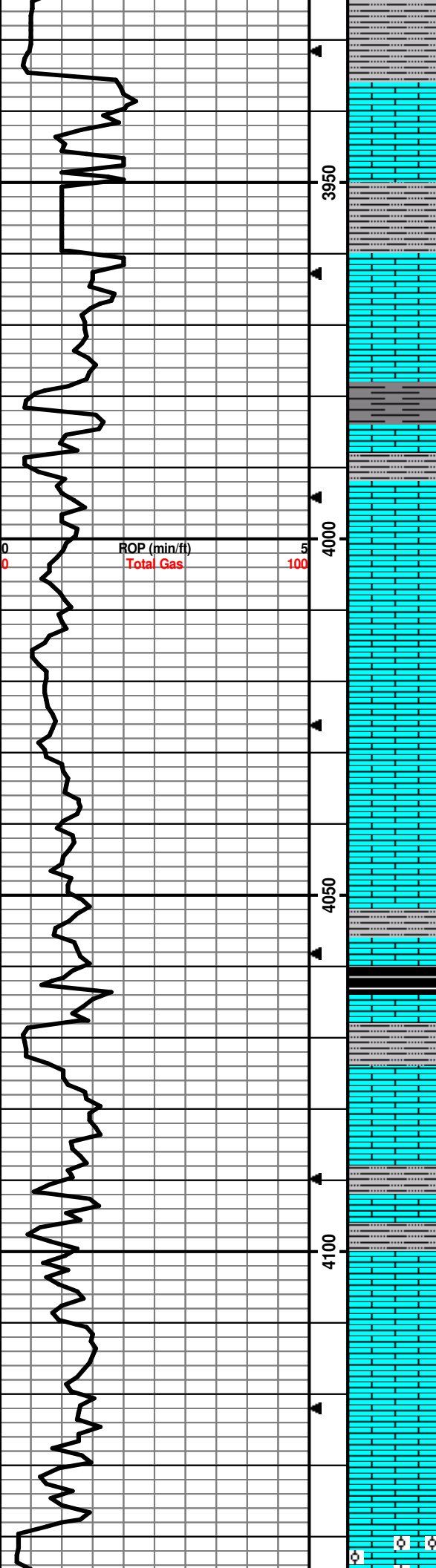
Flood Ls- wht-gry, micro-crystalline, v.dense, platy, chlkly in some w/ siltstn:gry-gm, dense waxy 3920

AA 3930

Flood Sh-bm-blk, dense, few LS-bm, micro-crystalline, dense 3940

Predom Siltstone-bm-gry dense waxy, w/ few LS crm mott gry, argilaceous 3950

Mud-Co Mud Check #5
 12/29/21
 3,837 ft.
 Wt. 9.0
 Vis. 60+
 LCM 2#
 Filt. 6.0 ml/30min
 4,800 pp. Chloride
 Daily Cost: \$7,335.34
 Cum. Cost: \$9,010.00



Siltstone AA 3960

Flood LS-cm, micro-crystalline, dense, sl. foss (pelletal), rexin spar. few w/ f. pp por. no odor, no show. 3970

LS gry mott gren, micro-crystalline, dense, argilacious, glac? sl. chalky 3980

Siltstn: gry, gm, bm, dense 3990

LS-cm-gry, micro-crystalline, dense, sl. foss (pelletal-crinodial), sparry, no vis por., no odor, no show. 4000

LS AA w/ Siltstn-gry-gm dense 4010

LS cm-bm, micro-crystalline, dense, argilacios, sl. chalky w/ Sh: blk dense 4020

AA 4030

LS-wht-cm, micro-crystalline. sl. dense, chalky, 4040

LS-cm-tan, micro-crystalline, dense, sl. chalky, few sl foss (pelletal) no vis por. no odor no show 4050

LS-cm-tan, micro-crystalline, dense, 4060

Down 1hr for Pump

LS cm-gry, micro-crystalline, dense few sl. foss (pelletal) w/ re-xln spar, no vis por. no odor no show 4070

Muncie Creek Sh. Mbr. 4,062' (-1,570)

LS- gry, micro-crystalline, argilacious, chalky, scat. pyrite, Siltstn: gry-grn, dense waxy few black sl. carb. 4080

Predom LS-cm-bm, micro-crystalline, dense, sl. sparry w/ Siltstn&Sh AA 4090

Predom LS-bone-cm, micro-crystalline, dense, few cm mott bm, earthy, w/ gry-gm Siltstn 4100

LS bone-gry, micro-crystalline, dense, few earthy with lithic stain. no vis por., no odor, no show no flour 4110

LS AA sl. chalky, few siltstone-gm-gry, dense waxy 4120

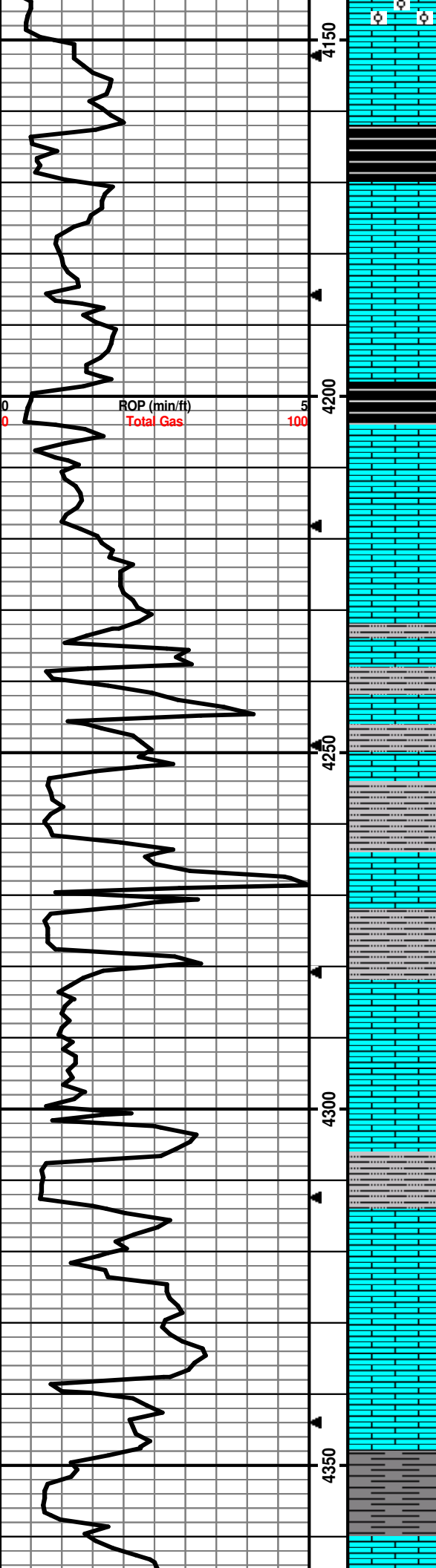
LS cm-bone, micro-crystalline, dense, sl. chalky, 4130

Predom LS- AA few v. dense, sparry-cherty, pytric w/ siltstone-gry grn dense waxy. 4140

AA w/ flood chalk bm, wht, gm, globular 4150

Predom LS- cm-tan, micro-crystalline dense, few v. foss (ool-castic) w/ f-good ool-castic por. mostly re-xln, no odor, no flour, no show 4160

LS AA- Increase in ool-castic por, chalky, no flour, no odor, no show 4170



LS- cm-gry, micro-crystalline, sl. dense, sl chalky, 4180

Stark Sh. Mbr. 4,162' (-1670)

Predom LSAAW/ few Sh-Blk, dense, sl. carb 4190

LS-Wht, micro-crystalline, dense, 4200

LS AA Flood chalk-wht, globular 4210

LS- cm, micro-crystalline dense, few sl. foss (ool) w/ re-xln spar; no vis por. no odor no show. 4220

Hushpuckney Sh. Mbr. 4,199' (-1,707)

Sh: blk, soft, sl. carb w/ LS-bm mott wht, sl. dense, argilacious, chalky, 4230

LS- whte mott, micro-crystalline, sl. dense, argilacious, chalky, few foss (pelletal-ool) hvy re-xln spar. no vis por. no odor no show 4240

LS AA, cherty w/siltstone: maroon, red, gry-grn 4250

Predom LS- cm-bm, dense, argilacious, w/ siltstn-Red Maroon gry-green, dense waxy pyritic 4260

LS & Siltstn AA w/ scat chert-wht-trans, fresh, sharp 4270

Flood chalk-gm globular, w/ siltstone -gm, dense, waxy 4280

AA w/ Siltstone-red, marron. dense 4290

LS-Cm-bm, micro-crystalline, dense, spary, abun globular chalk 4300

Flood green siltstn-dense-waxy w/ wht-bm globular chalk 4310

LS-cm, micro-crystalline, sl. dense, w/ siltstone gry-gm red, 4320

Flood Siltstone red w/ globular chalk, few LS cm mott bm, earthy, lithic, 4330

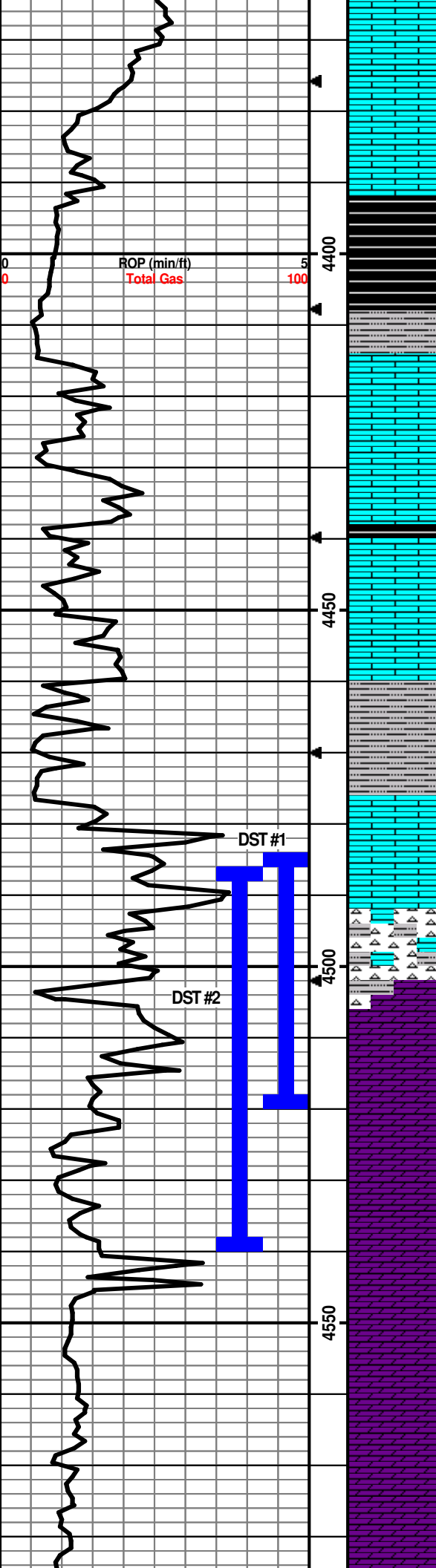
LS- cm-wht, micro-crystalline, s. dense, earthy, sl. chalky 4340

LS tan-bm, micro-crystalline, dense, spary, 4350

LS- AA few pieces of Sh-gry-blk 4360

Flood Sh: gry-blk dense waxy 4370

LS-cm-tan, micro-crystalline, dense, few sl. foss (pelletal w/ hvy re-xln spar. no vis por. no odor no show 4380



LS-AA w/ few scat chert- amber, fresh sharp, 4390

LS-tan-brn, micro-crystalline, dense 4400

Flood Sh-Blk, dense, sl carb 4420

Sh-AA w/ Siltstn-gry, dense, waxy abunt chalky, gry- globular 4430

LS- crm-tan, micro-crystalline, dense, few sl. foss (bm pelletal), w/ hvy re-xln spar. one piece dead tary stain, no vis por. no odor 4440

LS-tan-brn, micro-crystalline, dense, few foss AA, no vis por. no odor, no show 4450

Cherokee Sh. 4,438' (-1946)

LS AA w/ sh-blk, dense, pyritic, 4460

LS- crm-tan, micro-crystalline, dense 4470

LS-tan-brn, micro-crystalline, dense, earthy w/ multi-color inclusions, few v. foss (fuss, pelletal) w/ re-xln spar. no vis por. no odor no show 4479 stop

AA w/ siltstn-gry- blk dense, 4479 30min

LS-crm-gry, micro-crystalline, sl. dense, sl. chalky 4479 60min

Predom LS- crm micro-crystalline, dense, few piece of wea chert- wht-grt, sur.. chalky, w/ dead stain, fair odor on break, sl. show few oil on break 4500

Chert-amber-tan, fresh, sharp, w/ abun. multi color siltstn. few suc. trip. sl. chalky w/ clingy dead stain, sl. show w/ f. odor on break, f. cup odor. no flour. 4508 Stop

AA, inc. in wea chert w/show, few Dolo-tan-brn, f. xln, dense, cherty, GSFO, g. cup odor, no flour 4508 20min

AA w/ increase in Dolo (10%), tan-brn, f-m-xln, predom dense, few sl. suc w/ pp-sl vug, hvy drk stain, FSFO, g. cup odor, 4508 45

Dolo-tan-brn, m. crystalline, mostly dense, few suc. w/ f. inter-crystalline por. hvy drk stain, FSFO 4518 Stop

Dolo-tan, f. xln, sl. dense suc. w/ inter-cry por. few w/ f. g pp-sl vuggy por. FSFO, g. odor, no flour 4518 30min

Dolo-tan, f-m xln, sl. dense, mod. suc. few w/ f. pp - sl. vug. por., good stain, FSFO, g. odor. no flour.

Dolo- tan, m xln, sl. dense, suc., w/ f pp-sl vuggy por., good stain, FSFO, g. odor, no flour

Dolo - AA, decrease in stain, few w/ sl. SFO , f. odor, no flour 4570

Dolo: tan, f. xln, dense, few w/ f. inter-xln por., few w/ pp-sl vuggy por. mostly barron, sl odor 4580

Dolo- crm-tan, f-xln, dense, few sl. suc. w/ f. inter-xln por. no show, no odor 4590

Dolo- crm-tan, f. xln, dense, sl. chalky, no show no odor 4600

Dolo- crm-tan, f. xln, dense, sl. chalky, cherty in some, no show no odor 4610

Mud-Co Mud Check #6
12/30/21
4,479 ft.
Wt. 9.2
Vis. 58
LCM 1#
Filt. 6.0 ml/30min
5,000 pp. Chloride

Daily Cost: \$1,296.52
Cum. Cost: \$10,306.52

Mud-Co Mud Check #7
12/31/21
4,518 ft.
Wt. 9.3
Vis. 56
LCM 1#
Filt. 6.0 ml/30min
4,900 pp. Chloride

Daily Cost: \$448.01
Cum. Cost: \$10,754.53

Trip for bit at 4479
PDC for Cone
CFS 4479
Stop/30min/60min

DST #1
Mississippian
4,484'-4518'
30-30-30-30
Rec. 70 mud scum oil

IF: 16-36
ISIP: 1345
FF: 38-65
FSIP: 1344

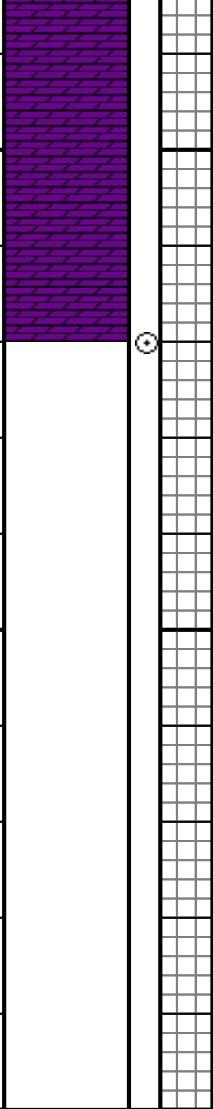
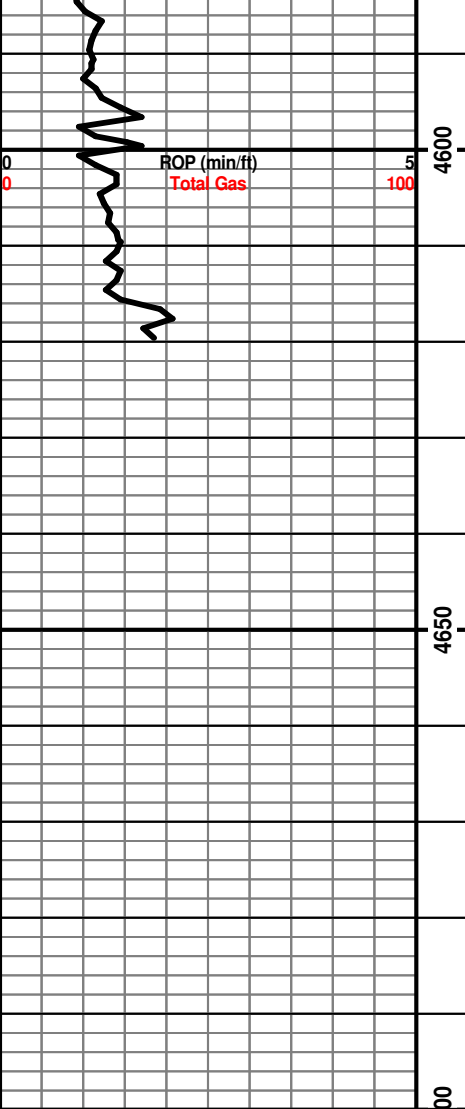
CFS 4508
Stop/20/45min
CFS 4518
Stop/30/60min

CFS 4539
Stop/30/60

PDC BIT #2 in hole following DST #2

DST #2
Mississippian
4,488'-4,539'
10-30-20-30

Rec:
350' WCM
(10%W 90%M)
1550' GW
(5%G 95%W)



Dolo - tan, m-xln, dense, sl cherty, tew sl. suc, w g. tvuggy por, no show no odor 4620

Dolo-crm, f-xln, dense, sl foss. (ool) with p. inter-foss - sl. vuggy por, no show no odor. 4620 30min

Dolo-wht-crm-f-xln, dense sl. chalky, no show no odor 4620 60min

RTD: 4620 @ 12:15 A.M. 1/1/2022
 LTD: 4621 @ 7:00 A.M. 1/1/2022
 Order to Plug 9:13 A.M. 1/1/2022
 Off location 10:00 AM 1/1/2022

IF: 372-485
 ISIP: 1335
 FF: 565-885
 FSIP: 1328
 HP 2292-2204

CFS 4620
 Stop/30/60

Mud-Co Mud Check #8
 1/1/22
 4,620 ft.
 Wt. 9.4
 Vis. 60
 LCM 1#
 Filt. 6.4 ml/30min
 5100 pp. Chloride

Daily Cost:
 \$33.38
 Cum. Cost: \$10,787.91