

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>

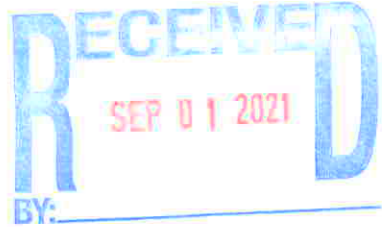
TUBING RECORD:	Size:	Set At:	Packer At:	
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HURRICANE SERVICES INC

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: 8/20/2021
Invoice #: 0354935
Lease Name: Casino Royale
Well #: 1 (New)
County: Ness, Ks
Job Number: WP1756
District: Oakley

Date/Description	HRS/QTY	Rate	Total
8.625" Surface	0.000	0.000	0.00
H-325	165.000	17.600	2,904.00
Light Eq Mileage	60.000	1.760	105.60
Heavy Eq Mileage	60.000	3.520	211.20
Ton Mileage	490.000	1.320	646.80
Cement Pump Service	1.000	968.000	968.00

*Cement for surface
8/20*

Total 4,835.60 ✓

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!

**CEMENT TREATMENT REPORT**

Customer: Palomino Petroleum	Well: Casino Royale # 1	Ticket: WP 1756
City, State:	County: Ness KS	Date: 8/20/2021
Field Rep: Fennis Garduno	S-T-R: 18-16S-24W	Service: 8.625" surface

Downhole Information

Hole Size:	12.25 in
Hole Depth:	219 ft
Casing Size:	8 5/8 in
Casing Depth:	219.18 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	12.7 bbls

Calculated Slurry - Lead

Blends:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	41.4 bbls
Total Sacks:	165 sx

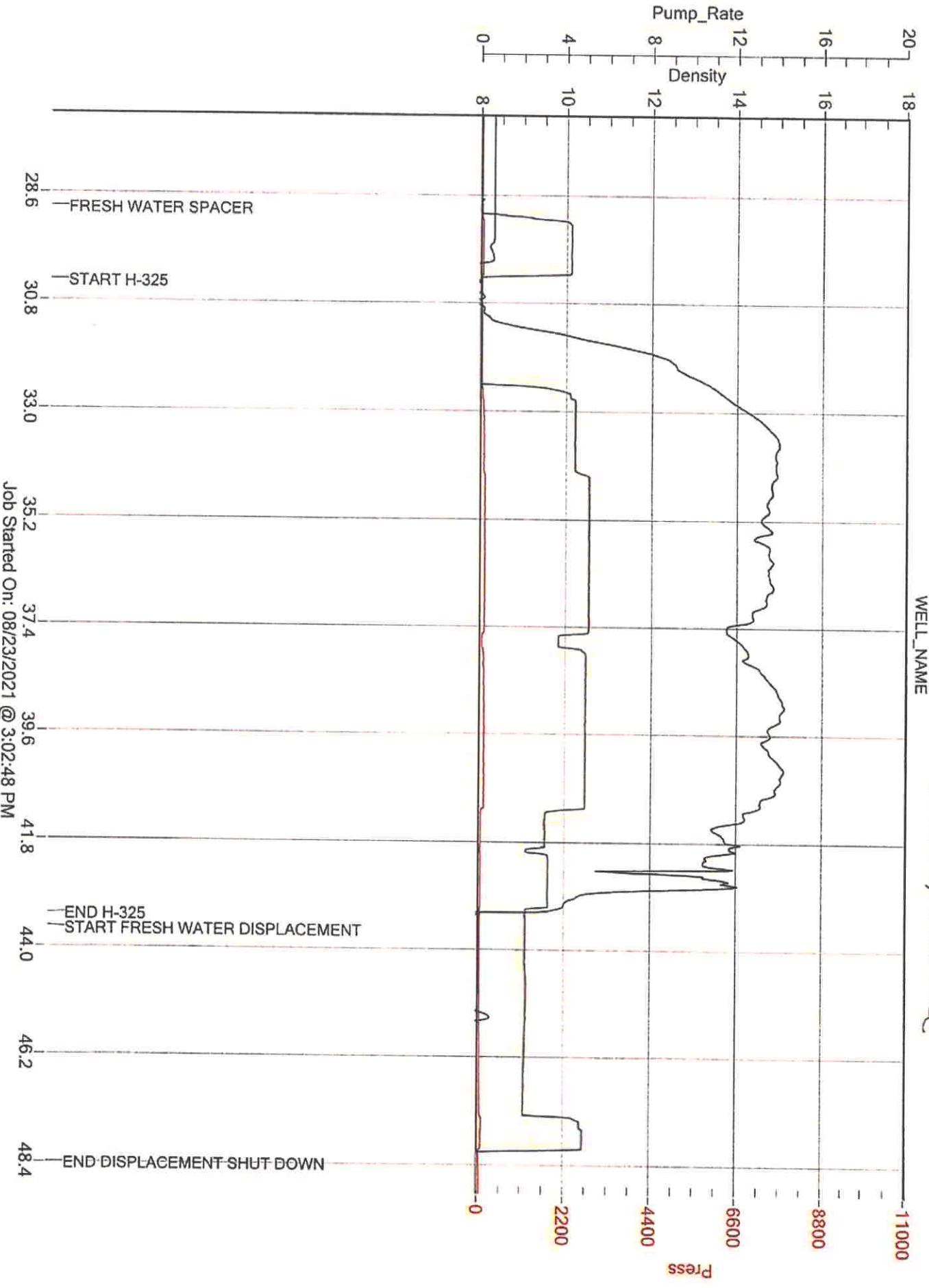
Calculated Slurry - Tail

Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
2:45 AM				-	Journey management meeting
1:00 PM				-	Convoy to location
1:30 PM				-	Arrive on location
1:35 PM				-	Safety meeting
1:45 PM				-	Spot in / rig up equipment
				-	Hole depth = 219' Total pipe ran 219.88' - 7' landing joint = casing set @ 212.18'
3:15 PM		110.0		-	Rig land casing , circulate
3:30 PM	4.0	50.0	5.0	5.0	Pump fresh water spacer
3:35 PM	5.0	80.0	41.4	46.4	Mix 165 sx H-325 @ 14.8 ppg
3:43 PM	3.0	80.0	12.7	59.1	Displace with fresh water leaving 20' cement shoe
3:50 PM		80.0		59.1	S/D shut in casing with 80 psi on it
					Circulated 10 sx cement to surface

CREW	UNIT	SUMMARY
Cementor: Fennis	78	Average Rate
Pump Operator: Mike	180/520	Average Pressure
Bulk #1: Kale	242	Total Fluid
Bulk #2:		4.0 bpm
		80 psi
		59 bbls

Palomino Petroleum Casino Royale Surface
WELL_NAME



Job Started On: 08/23/2021 @ 3:02:48 PM



Home
(785) 798-2400

Andrew Stenzel Geologist

Ness City, Kansas



Cell
(785) 798-5977

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

Well Name: Casino Royale #1
API: 15-135-26116-00-00
Location: Sec. 18-16S-24W (Ness County)
License Number: 30742
Spud Date: 8/20/21
Surface Coordinates: 2399' FSL & 2193' FWL
Region: KANSAS
Drilling Completed: 8/27/21

Bottom Hole
Coordinates:
Ground Elevation (ft): 2516
Logged Interval (ft): 3700 To: TD
Formation: MISSISSIPPIAN
Type of Drilling Fluid: Mud-Co Chemical
K.B. Elevation (ft): 2521
Total Depth (ft): 4604

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

OPERATOR

Company: Palomino Petroleum, Inc.
Address: 4924 SE 84th St.
Newton, KS 67114

GEOLOGIST

Name: Andrew Stenzel
Company: Petroleum Geologist
Address: 501 S. Franklin
Ness City, KS 67560

Drilling Report

DAILY DRILLING REPORT:

8/20/21 MIRU, ran surface casing
8/21/21 Drilling @ 1036'
8/22/21 Drilling @ 2860'
8/23/21 Drilling @ 3900'
8/24/21 Doing bit trip @ 4360'
8/25/21 Circulating to condition hole for DST #1, DST #1
8/26/21 Circulating to condition hole for logs, ran electric logs, DST #2
8/27/21 Plugged & Abandoned

Services

RIG: Murfin Drilling, Rig #102

MUD: MUDCO

LOGS: Gemini Wireline: CNDL, PE, DIL, ML

Casing Record

SURFACE Casing: Ran 5 jts nrew 8 5/8", 23# casing @ 219'

PRODUCTION Casing: None

Formation Tops

Sample Tops **		LogTops	
Anhy.	1912 (+609)	Anhy.	1877 (+644)
Base Anhy.	1947 (+574)	Base Anhy.	1908 (+613)
Heebner	3855 (-1334)	Heebner	3850 (-1329)
Lansing	3903 (-1382)	Lansing	3896 (-1375)
BKC	4182 (-1661)	BKC	4181 (-1660)
Pawnee	4307 (-1786)	Pawnee	4307 (-1786)
Ft. Scott	4389 (-1868)	Ft. Scott	4388 (-1867)
Cher. Sh.	4413 (-1892)	Cher. Sh.	4410 (-1889)
Miss.	4477 (-1956)	Miss.	4478 (-1957)
RTD	4605 (-2084)	LTD	4604 (-2083)

** Sample tops are corrected to board after pipe strap, see drilling log



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

18 16s 24w

4924 SE 84th St
New ton Ks 67114

Casino Royale #1

Job Ticket: 66957 **DST#: 1**

ATTN: Andrew Stenzel

Test Start: 2021.08.25 @ 10:30:00

GENERAL INFORMATION:

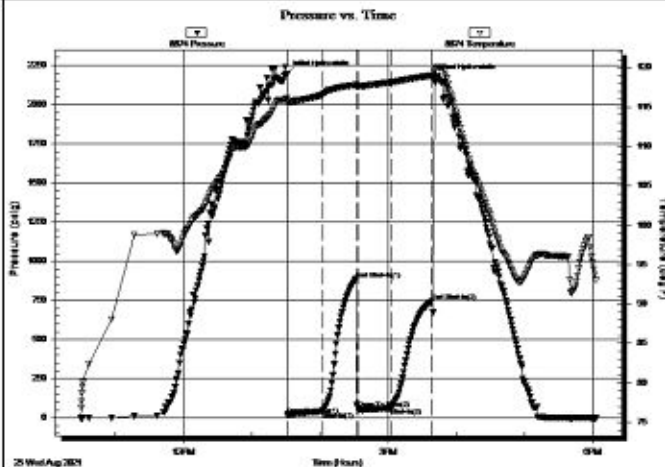
Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:31:45
 Time Test Ended: 18:02:45
 Interval: **4430.00 ft (KB) To 4492.00 ft (KB) (TVD)**
 Total Depth: 4492.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2521.00 ft (KB)
 2516.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8874

Inside

Press@RunDepth: 62.08 psig @ 4431.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.08.25 End Date: 2021.08.25 Last Calib.: 2021.08.25
 Start Time: 10:30:05 End Time: 18:02:44 Time On Btmr: 2021.08.25 @ 13:31:15
 Time Off Btmr: 2021.08.25 @ 15:41:15

TEST COMMENT: 30- IF: 3.1" blow.
 30- IS: .3" return.
 30- FF: 2.9" return.
 30- FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.73	116.17	Initial Hydro-static
1	20.51	115.53	Open To Flow (1)
31	41.27	116.54	Shut-In(1)
61	886.82	117.82	End Shut-In(1)
63	61.07	117.64	Open To Flow (2)
91	62.08	118.13	Shut-In(2)
128	746.21	118.99	End Shut-In(2)
130	2173.05	119.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 20g 35o 45m	0.30
30.00	oil 100o	0.15
0.00	90' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

18 16s 24w

4924 SE 84th St
New ton Ks 67114

Casino Royale #1

Job Ticket: 66958

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.08.26 @ 14:30:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:15:00

Time Test Ended: 23:46:00

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: **4497.00 ft (KB) To 4515.00 ft (KB) (TVD)**

Total Depth: 4604.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2521.00 ft (KB)

2516.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8845

Inside

Press@RunDepth: 63.57 psig @ 4498.00 ft (KB)

Start Date: 2021.08.26

End Date:

2021.08.26

Start Time: 14:08:05

End Time:

23:24:00

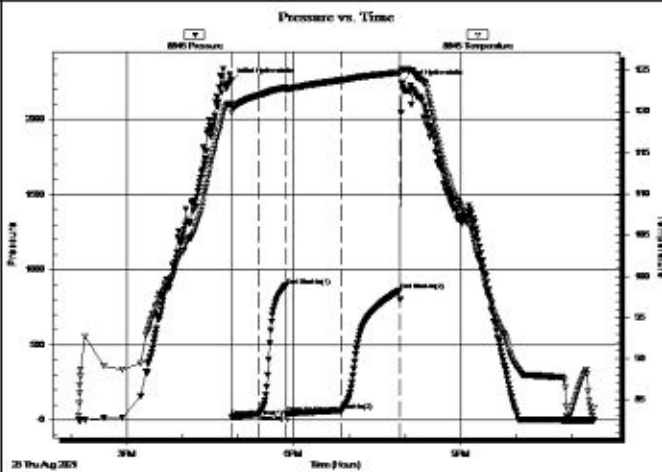
Capacity: 8000.00 psig

Last Calib.: 2021.08.26

Time On Btmr: 2021.08.26 @ 16:52:45

Time Off Btmr: 2021.08.26 @ 19:56:30

TEST COMMENT: 30- IF: 2.5" blow .
30- IS: No return.
60- FF: 3.7" blow .
60- FS: Surface return... died in 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.23	120.93	Initial Hydro-static
1	21.37	119.87	Open To Flow (1)
30	39.19	121.98	Shut-In(1)
59	895.72	122.89	End Shut-In(1)
60	42.53	122.72	Open To Flow (2)
119	63.57	123.82	Shut-In(2)
182	860.71	124.74	End Shut-In(2)
184	2241.30	125.11	Final Hydro-static

Recovery


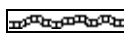
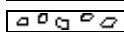
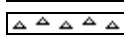
Length (ft)	Description	Volume (bbl)
60.00	gmco 20g 30m 50o	0.30
40.00	oil 100o	0.20
0.00	80' GIP	0.00

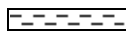



* Recovery from multiple tests





Gas Rates

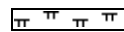

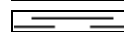
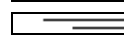
Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)

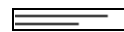



ROCK TYPES

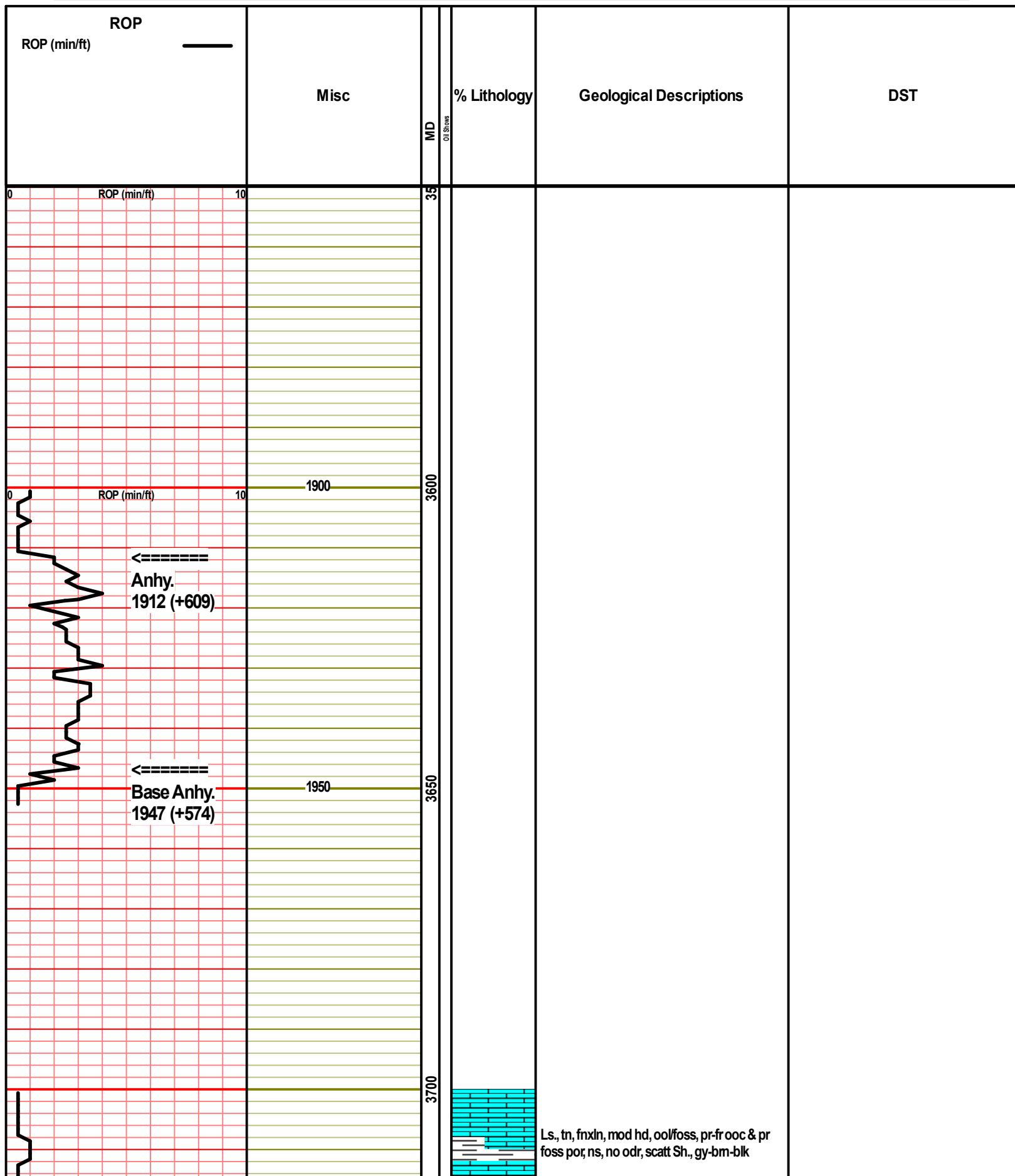
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-  Bent
-  Brec
-  Cht

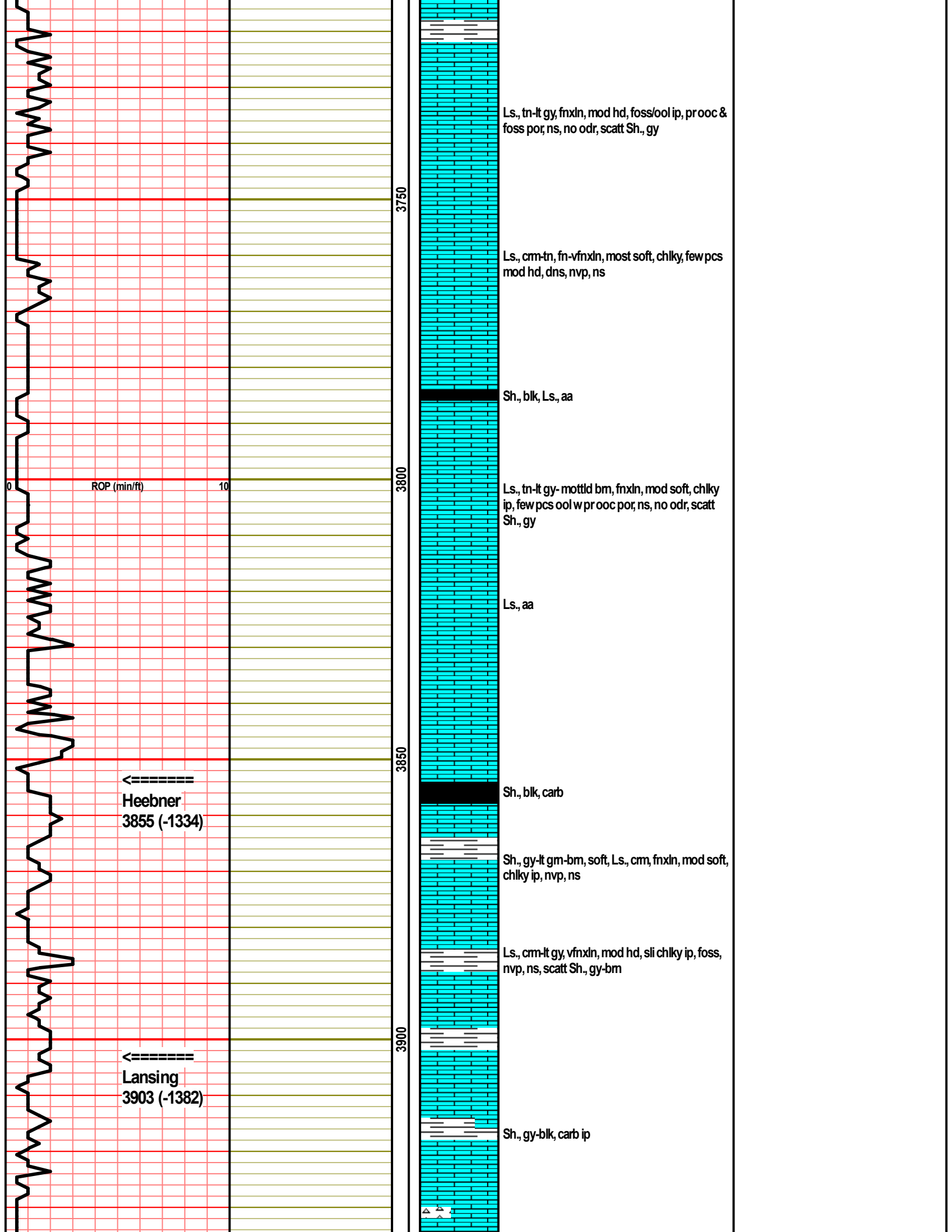
-  Clyst
-  Carb shale
-  Congl
-  Dol

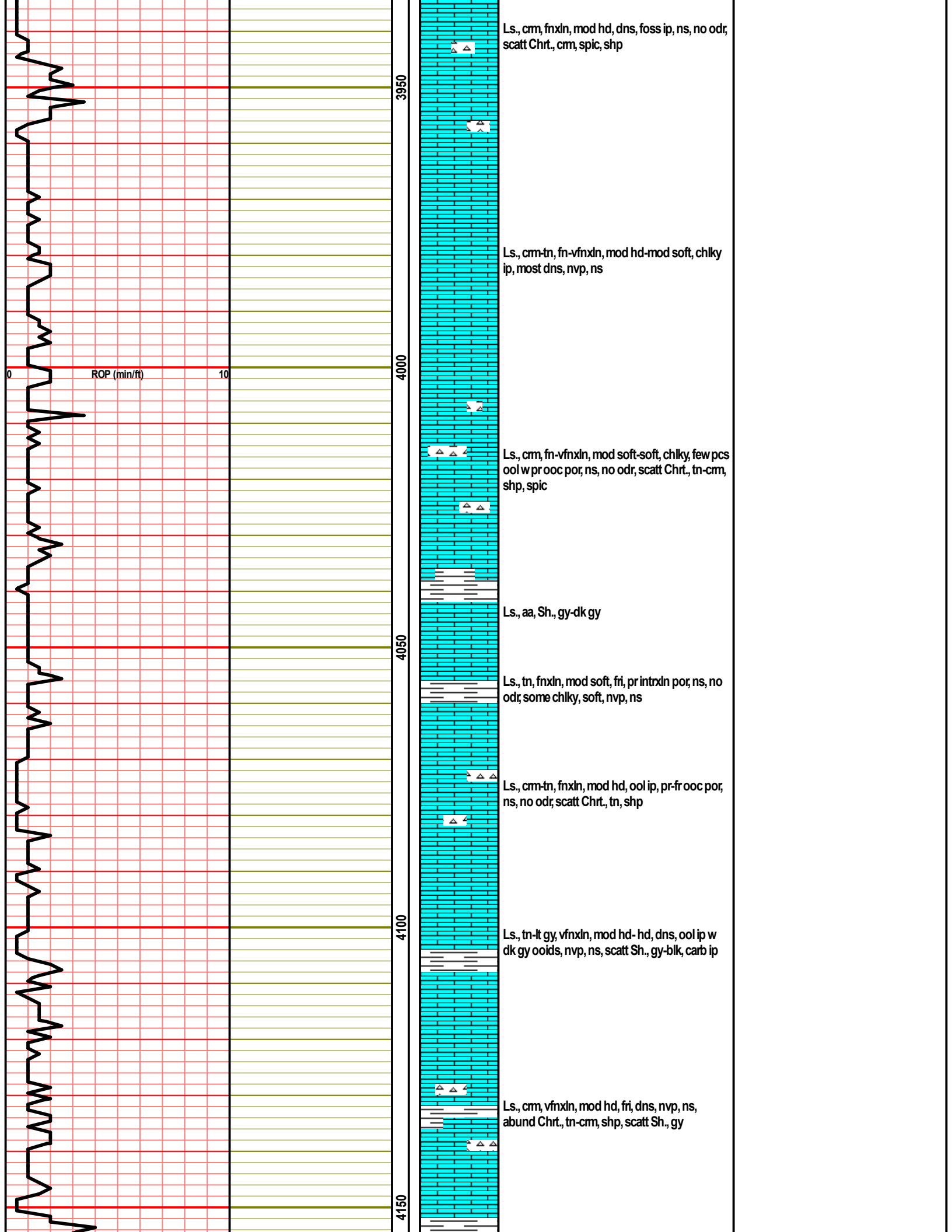
-  Gyp
-  Igne
-  Lmst
-  Meta

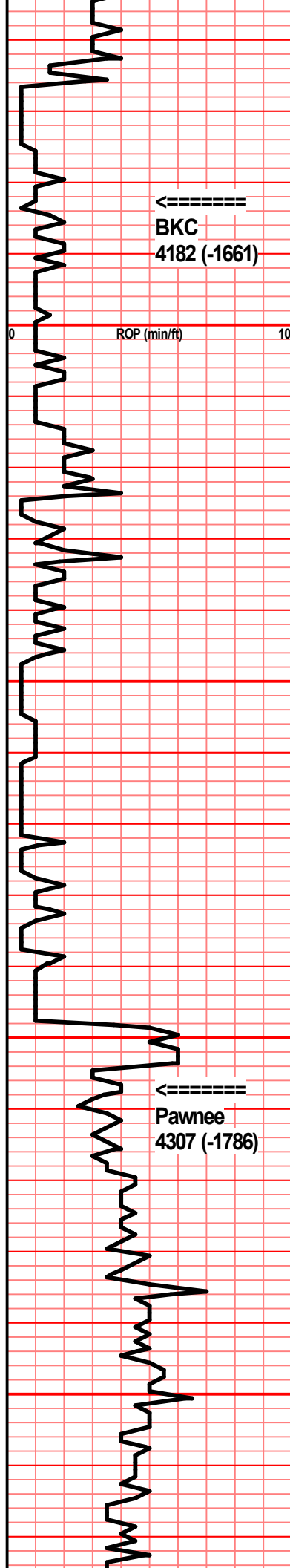
-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till





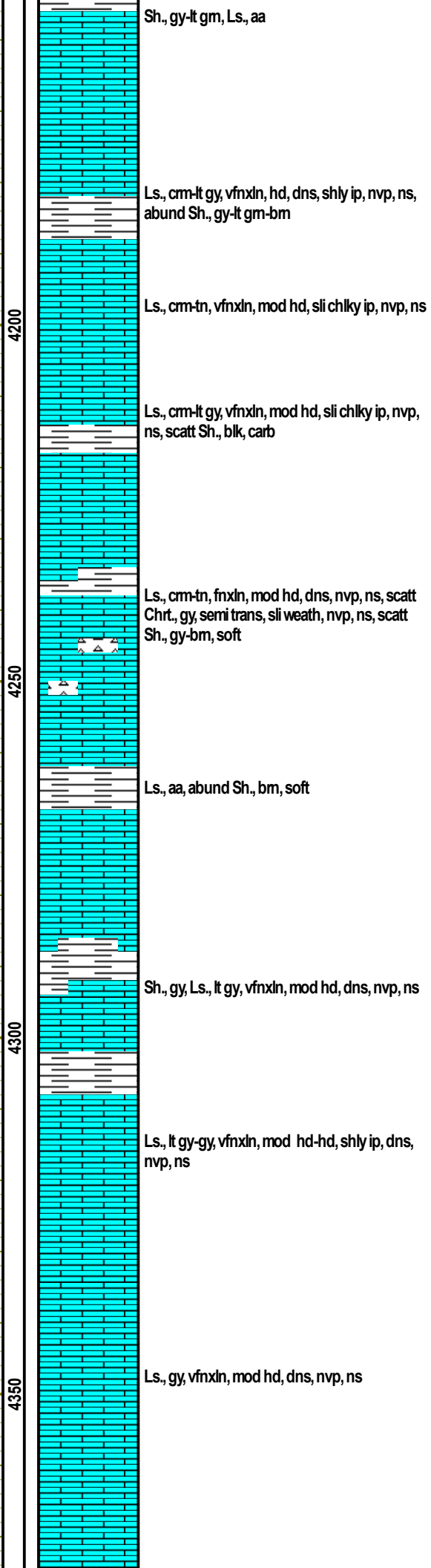




←
BKC
4182 (-1661)

←
Pawnee
4307 (-1786)

Bit Trip @ 4360', pipe strap 62' short to board/geolograph. Corrected to 4298', put on button bit. Samples from 4298 down, lagged to corrected depth.



Sh., gy-lt gm, Ls., aa

Ls., crm-lt gy, vfnxn, hd, dns, shly ip, nvp, ns, abund Sh., gy-lt gm-bm

Ls., crm-tn, vfnxn, mod hd, sli chky ip, nvp, ns

Ls., crm-lt gy, vfnxn, mod hd, sli chky ip, nvp, ns, scatt Sh., blk, carb

Ls., crm-tn, fnxn, mod hd, dns, nvp, ns, scatt Chrt., gy, semi trans, sli weath, nvp, ns, scatt Sh., gy-bm, soft

Ls., aa, abund Sh., bm, soft

Sh., gy, Ls., lt gy, vfnxn, mod hd, dns, nvp, ns

Ls., lt gy-gy, vfnxn, mod hd-hd, shly ip, dns, nvp, ns

Ls., gy, vfnxn, mod hd, dns, nvp, ns

4200

4250

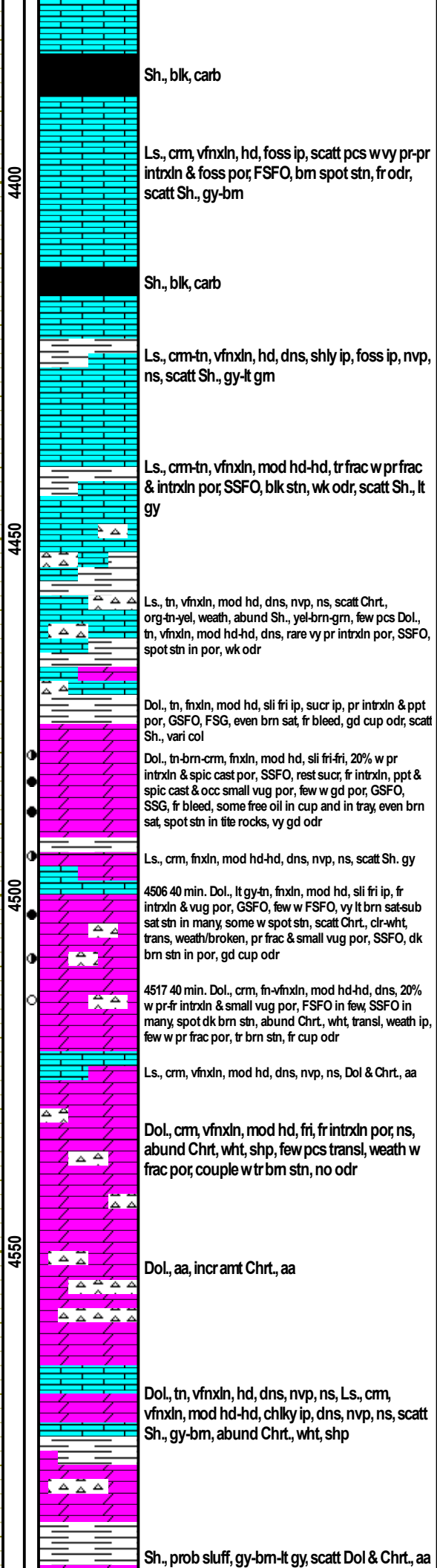
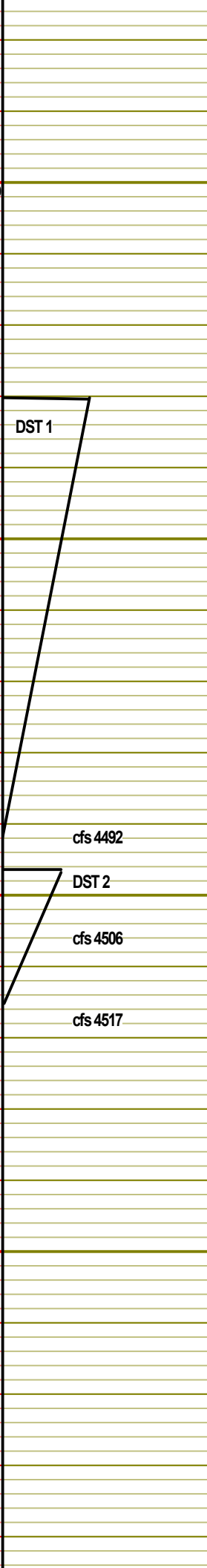
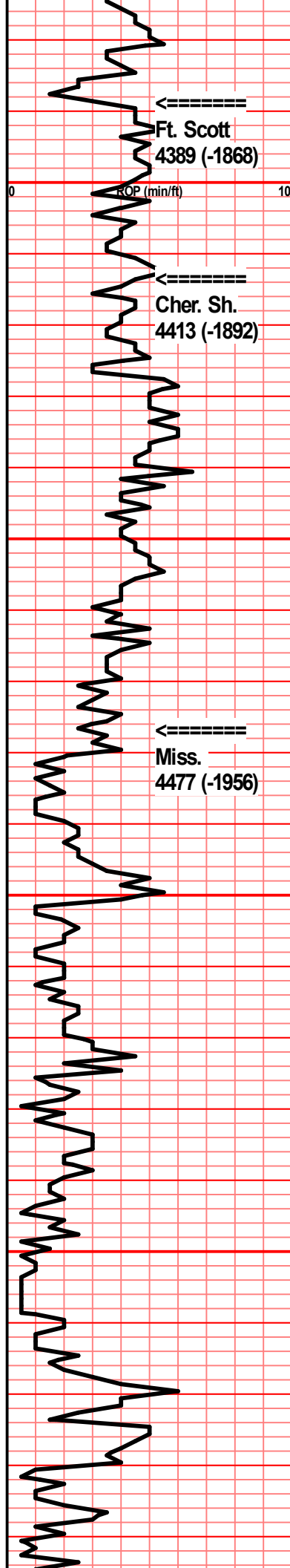
4300

4350

ROP (min/ft)

0

10



DST #1 4430-4492 (Mississippian)

30-30-30-30
 IF: Built to 3"
 IS: Built to 1/4"
 FF: Built to 3"
 FS: No blow

Recovery:
 90' GIP
 30' CO (100%O)
 60' GOCM (20%G, 35%O, 45%M)

 90' TF

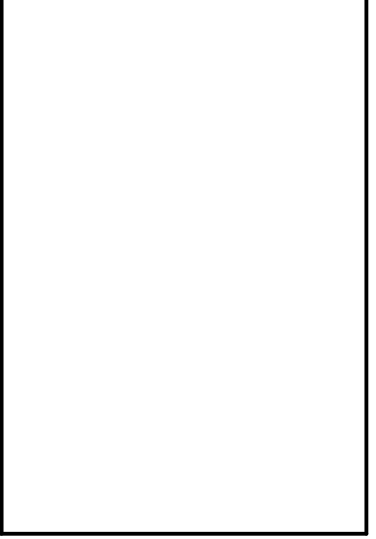
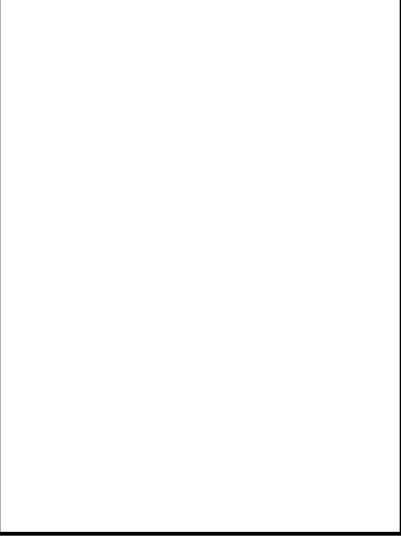
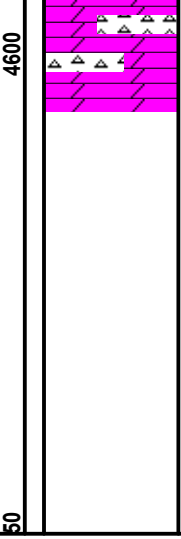
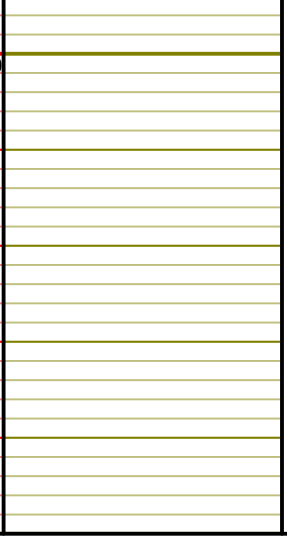
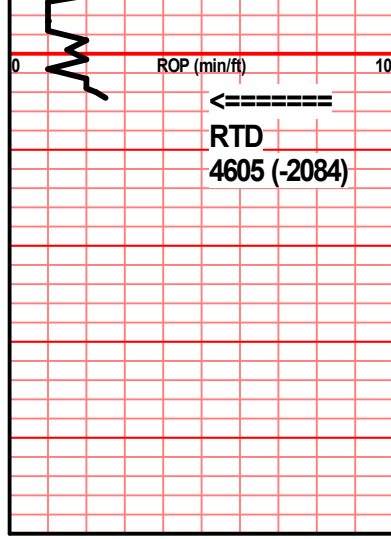
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 HP: 2195-2173

BHT: 119
 Gravity: 39
 Chlor: ---

DST #2 4497-4515 (Mississippian)

30-30-60-60
 IF: Built to 2 1/2"
 IS: No blow
 FF: Built to 3 3/4"
 FS: SB, died after 20 min

Recovery:





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Casino Royale #1

18-16s-24w Ness,KS

Start Date: 2021.08.25 @ 10:30:00

End Date: 2021.08.25 @ 18:02:45

Job Ticket #: 66957 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.08.30 @ 15:44:49

Palomino Petroleum
18-16s-24w Ness,KS
Casino Royale #1
DST # 1
Mississippian
2021.08.25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

18-16s-24w Ness,KS

4924 SE 84th St
New ton KS 67114

Casino Royale #1

Job Ticket: 66957

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.08.25 @ 10:30:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:31:45

Time Test Ended: 18:02:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4430.00 ft (KB) To 4492.00 ft (KB) (TVD)

Reference Elevations: 2521.00 ft (KB)

Total Depth: 4492.00 ft (KB) (TVD)

2516.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8874

Inside

Press@RunDepth: 62.08 psig @ 4431.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.08.25

End Date:

2021.08.25

Last Calib.:

2021.08.25

Start Time: 10:30:05

End Time:

18:02:44

Time On Btm:

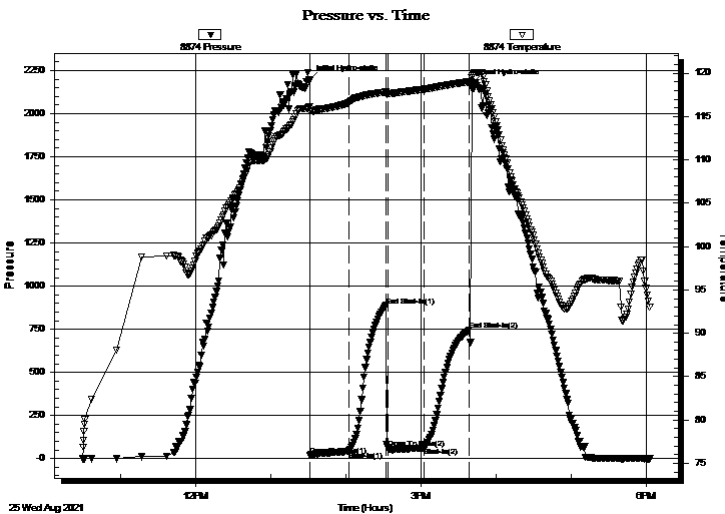
2021.08.25 @ 13:31:15

Time Off Btm:

2021.08.25 @ 15:41:15

TEST COMMENT: 30- IF: 3.1" blow.
30- IS: .3" return.
30- FF: 2.9" return.
30- FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.73	116.17	Initial Hydro-static
1	20.51	115.53	Open To Flow (1)
31	41.27	116.54	Shut-In(1)
61	886.82	117.82	End Shut-In(1)
63	61.07	117.64	Open To Flow (2)
91	62.08	118.13	Shut-In(2)
128	746.21	118.99	End Shut-In(2)
130	2173.05	119.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 20g 35o 45m	0.30
30.00	oil 100o	0.15
0.00	90' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum

18-16s-24w Ness,KS

4924 SE 84th St
New ton KS 67114

Casino Royale #1

Job Ticket: 66957

DST#: 1

ATTN: Andrew Stenzel

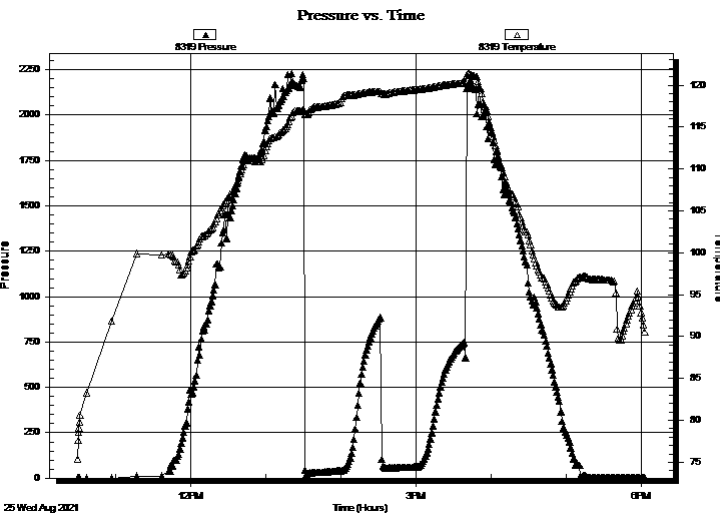
Test Start: 2021.08.25 @ 10:30:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:31:45
 Time Test Ended: 18:02:45
Interval: 4430.00 ft (KB) To 4492.00 ft (KB) (TVD)
 Total Depth: 4492.00 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: 2521.00 ft (KB)
 2516.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8319 Outside
 Press@RunDepth: psig @ 4431.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2021.08.25 End Date: 2021.08.25 Last Calib.: 2021.08.25
 Start Time: 10:30:05 End Time: 18:02:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- IF: 3.1" blow.
 30- IS: .3" return.
 30- FF: 2.9" return.
 30- FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gocm 20g 35o 45m	0.30
30.00	oil 100o	0.15
0.00	90' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

18-16s-24w Ness,KS

4924 SE 84th St
New ton KS 67114

Casino Royale #1

Job Ticket: 66957

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.08.25 @ 10:30:00

Tool Information

Drill Pipe:	Length: 4301.00 ft	Diameter: 3.80 inches	Volume: 60.33 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4430.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	89.00 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			4404.00	
Shut In Tool	5.00		Fluid	4409.00	
Hydraulic tool	5.00			4414.00	
Jars	5.00			4419.00	
Safety Joint	2.00			4421.00	
Packer	5.00		Inside	4426.00	27.00 Bottom Of Top Packer
Packer	4.00			4430.00	
Stubb	1.00			4431.00	
Recorder	0.00	8874	Inside	4431.00	
Recorder	0.00	8319	Outside	4431.00	
Perforations	25.00			4456.00	
Change Over Sub	1.00			4457.00	
Drill Pipe	31.00			4488.00	
Change Over Sub	1.00			4489.00	
Bullnose	3.00			4492.00	62.00 Bottom Packers & Anchor

Total Tool Length: 89.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

18-16s-24w Ness,KS

4924 SE 84th St
New ton KS 67114

Casino Royale #1

Job Ticket: 66957

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.08.25 @ 10:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gocm 20g 35o 45m	0.295
30.00	oil 100o	0.148
0.00	90' GIP	0.000

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

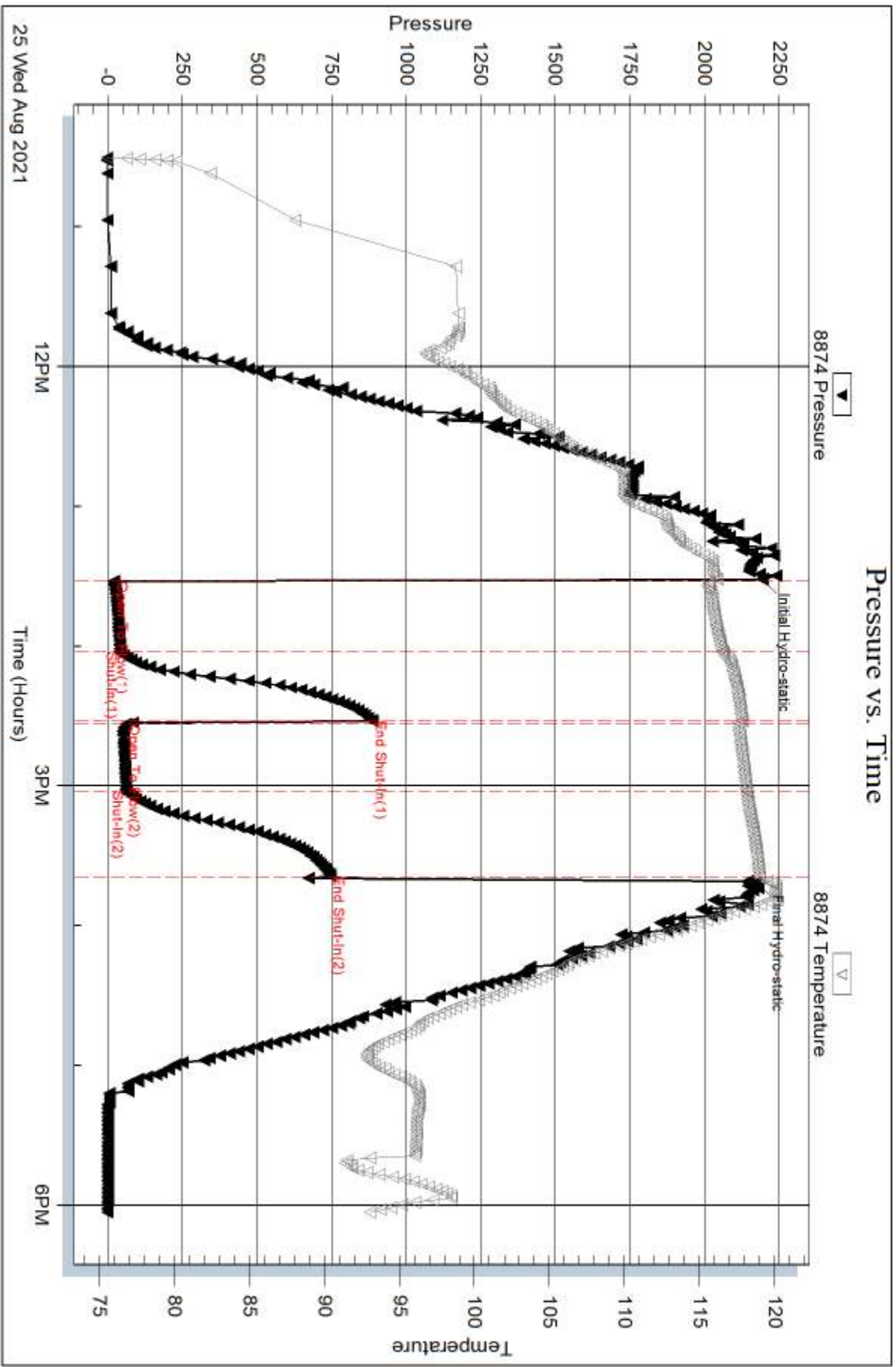
Serial #: 8874

Inside

Palomino Petroleum

Casino Royale #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 66957

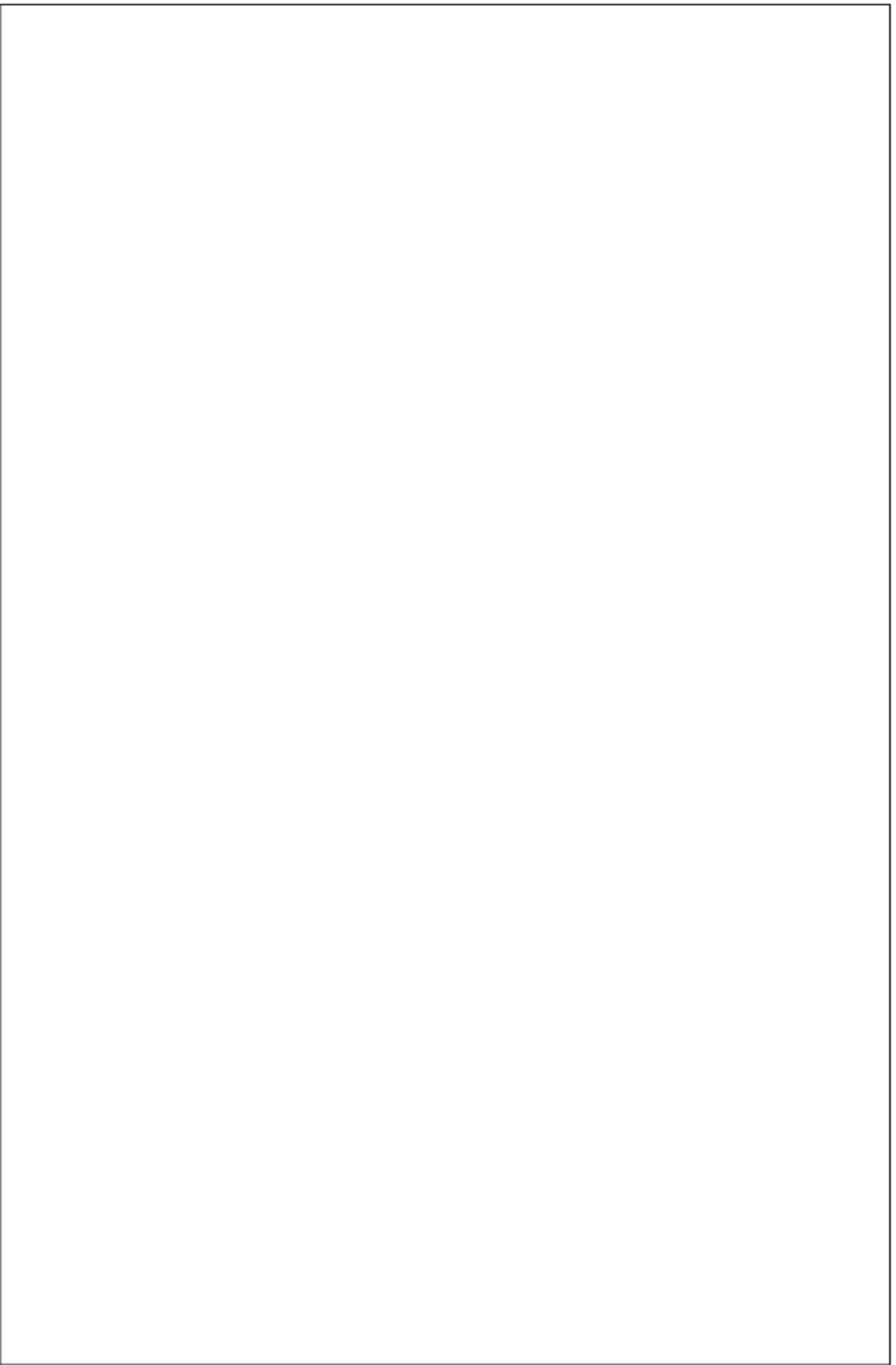
Printed: 2021.08.30 @ 15:44:50

Serial #: 8319

Outside Palomino Petroleum

Casino Royale #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 66957

Printed: 2021.08.30 @ 15:44:51



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Andrew Stenzel

Casino Royale #1

18-16s-24w Ness,KS

Start Date: 2021.08.26 @ 14:30:00

End Date: 2021.08.26 @ 23:46:00

Job Ticket #: 66958 DST #: 2

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

Printed: 2021.08.30 @ 15:43:21

Palomino Petroleum
18-16s-24w Ness,KS
Casino Royale #1
DST # 2
Mississippian
2021.08.26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

18-16s-24w Ness,KS

4924 SE 84th St
New ton KS 67114

Casino Royale #1

Job Ticket: 66958

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.08.26 @ 14:30:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:15:00

Time Test Ended: 23:46:00

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4497.00 ft (KB) To 4515.00 ft (KB) (TVD)

Reference Elevations: 2521.00 ft (KB)

Total Depth: 4604.00 ft (KB) (TVD)

2516.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8845

Inside

Press@RunDepth: 63.57 psig @ 4498.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.08.26

End Date:

2021.08.26

Last Calib.:

2021.08.26

Start Time: 14:08:05

End Time:

23:24:00

Time On Btm:

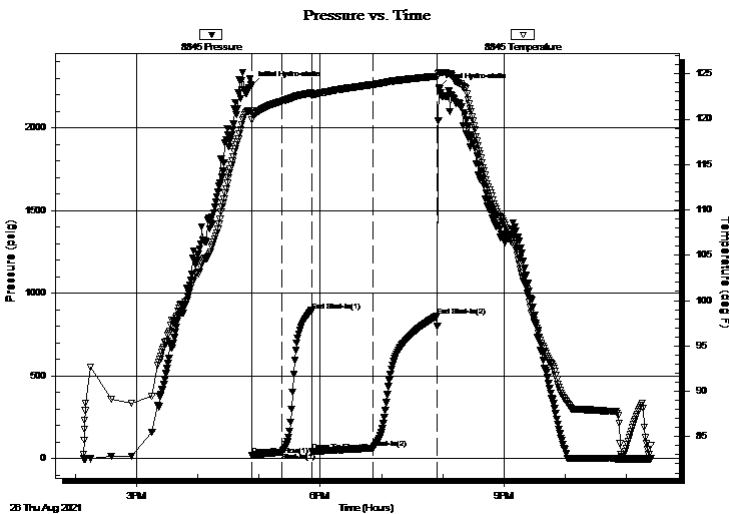
2021.08.26 @ 16:52:45

Time Off Btm:

2021.08.26 @ 19:56:30

TEST COMMENT: 30- IF: 2.5" blow .
30- IS: No return.
60- FF: 3.7" blow .
60- FS: Surface return... died in 15 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2258.23	120.93	Initial Hydro-static
1	21.37	119.87	Open To Flow (1)
30	39.19	121.98	Shut-In(1)
59	895.72	122.89	End Shut-In(1)
60	42.53	122.72	Open To Flow (2)
119	63.57	123.82	Shut-In(2)
182	860.71	124.74	End Shut-In(2)
184	2241.30	125.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gmco 20g 30m 50o	0.30
40.00	oil 100o	0.20
0.00	80' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

18-16s-24w Ness,KS

4924 SE 84th St
New ton KS 67114

Casino Royale #1

Job Ticket: 66958

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.08.26 @ 14:30:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:15:00

Time Test Ended: 23:46:00

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4497.00 ft (KB) To 4515.00 ft (KB) (TVD)

Reference Elevations: 2521.00 ft (KB)

Total Depth: 4604.00 ft (KB) (TVD)

2516.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8874 Below (Straddle)

Press@RunDepth: psig @ 4521.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.08.26 End Date: 2021.08.26

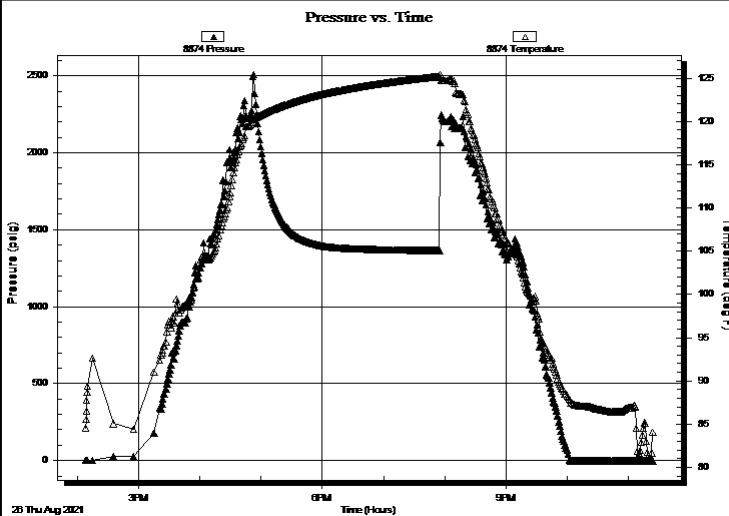
Last Calib.: 2021.08.26

Start Time: 14:08:05 End Time: 23:24:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF: 2.5" blow .
30- IS: No return.
60- FF: 3.7" blow .
60- FS: Surface return... died in 15 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gmco 20g 30m 50o	0.30
40.00	oil 100o	0.20
0.00	80' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



DRILL STEM TEST REPORT

Palomino Petroleum

18-16s-24w Ness,KS

4924 SE 84th St
New ton KS 67114

Casino Royale #1

ATTN: Andrew Stenzel

Job Ticket: 66958

DST#: 2

Test Start: 2021.08.26 @ 14:30:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:15:00

Time Test Ended: 23:46:00

Test Type: Conventional Straddle (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4497.00 ft (KB) To 4515.00 ft (KB) (TVD)

Total Depth: 4604.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2521.00 ft (KB)

2516.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8319 Outside

Press@RunDepth: psig @ 4498.00 ft (KB)

Start Date: 2021.08.26 End Date: 2021.08.26

Start Time: 14:08:05 End Time: 23:24:00

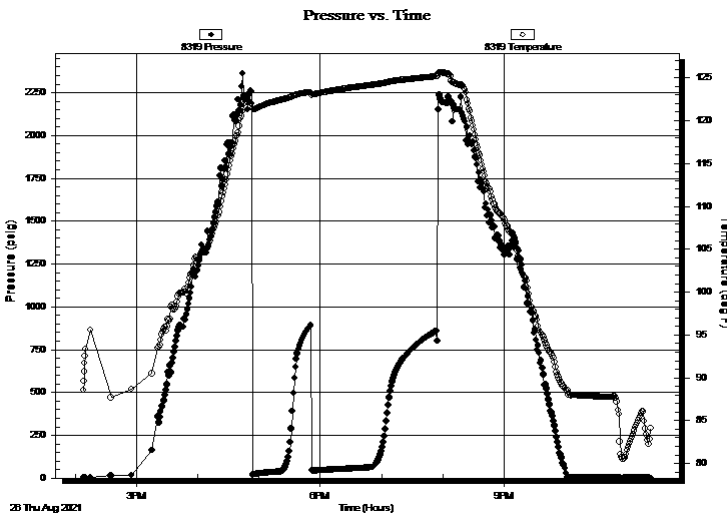
Capacity: 8000.00 psig

Last Calib.: 2021.08.26

Time On Btm:

Time Off Btm:

TEST COMMENT: 30- IF: 2.5" blow .
30- IS: No return.
60- FF: 3.7" blow .
60- FS: Surface return... died in 15 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gmco 20g 30m 50o	0.30
40.00	oil 100o	0.20
0.00	80' GIP	0.00

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

18-16s-24w Ness,KS

4924 SE 84th St
New ton KS 67114

Casino Royale #1

Job Ticket: 66958

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.08.26 @ 14:30:00

Tool Information

Drill Pipe:	Length: 4364.00 ft	Diameter: 3.80 inches	Volume: 61.22 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 61.81 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	4497.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	4512.00 ft				
Interval between Packers:	15.00 ft				
Tool Length:	134.00 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			4471.00	
Shut In Tool	5.00		Fluid	4476.00	
Hydraulic tool	5.00			4481.00	
Jars	5.00			4486.00	
Safety Joint	2.00			4488.00	
Packer	5.00		Inside	4493.00	27.00 Bottom Of Top Packer
Packer	4.00			4497.00	
Stubb	1.00			4498.00	
Recorder	0.00	8319	Outside	4498.00	
Recorder	0.00	8845	Inside	4498.00	
Perforations	13.00			4511.00	
Blank Off Sub	1.00			4512.00	15.00 Tool Interval
Packer	3.00			4515.00	
Stubb	1.00			4516.00	
Shale Packer	5.00			4521.00	
Recorder	0.00	8874	Below	4521.00	
Perforations	15.00			4536.00	
Change Over Sub	1.00			4537.00	
Drill Pipe	63.00			4600.00	
Change Over Sub	1.00			4601.00	
Bullnose	3.00			4604.00	92.00 Bottom Packers & Anchor

Total Tool Length: 134.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

18-16s-24w Ness,KS

4924 SE 84th St
New ton KS 67114

Casino Royale #1

Job Ticket: 66958

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.08.26 @ 14:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	gmco 20g 30m 50o	0.295
40.00	oil 100o	0.197
0.00	80' GIP	0.000

Total Length: 100.00 ft

Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

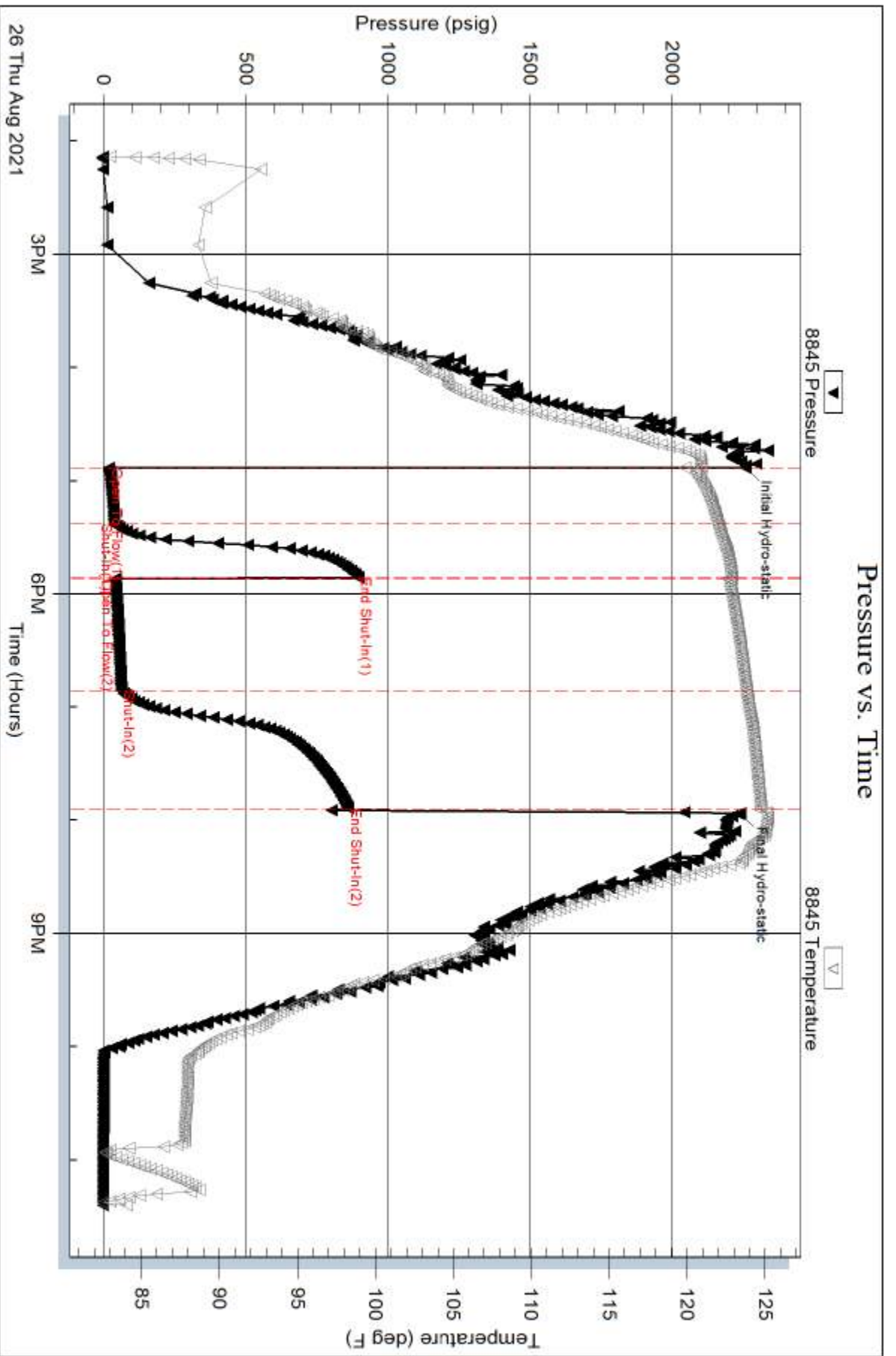
Serial #: 8845

Inside

Palomino Petroleum

Casino Royale #1

DST Test Number: 2

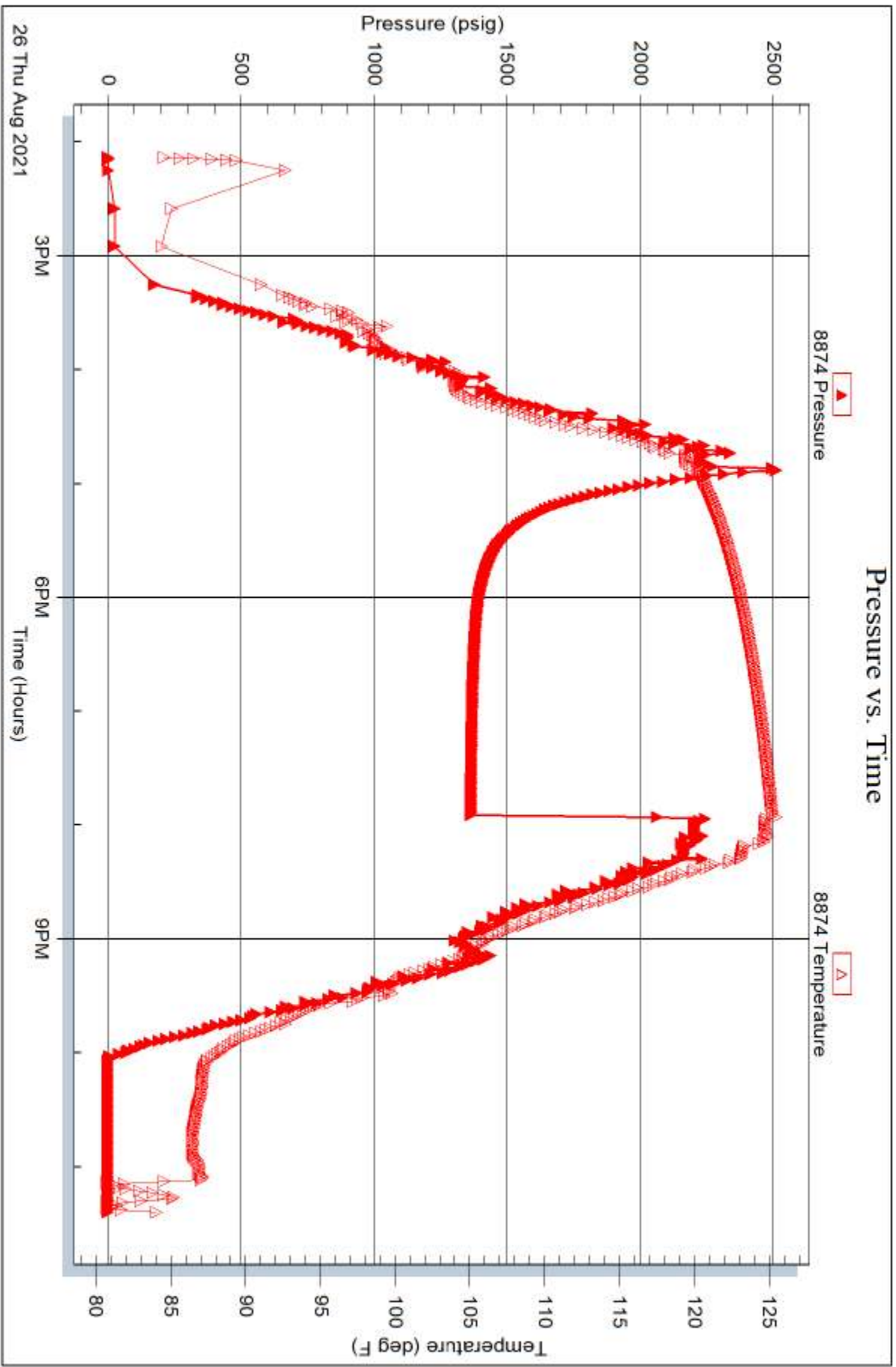


Serial #: 8874

Below (Str Rattenho Petroleum

Casino Royale #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66958

Printed: 2021.08.30 @ 15:43:38

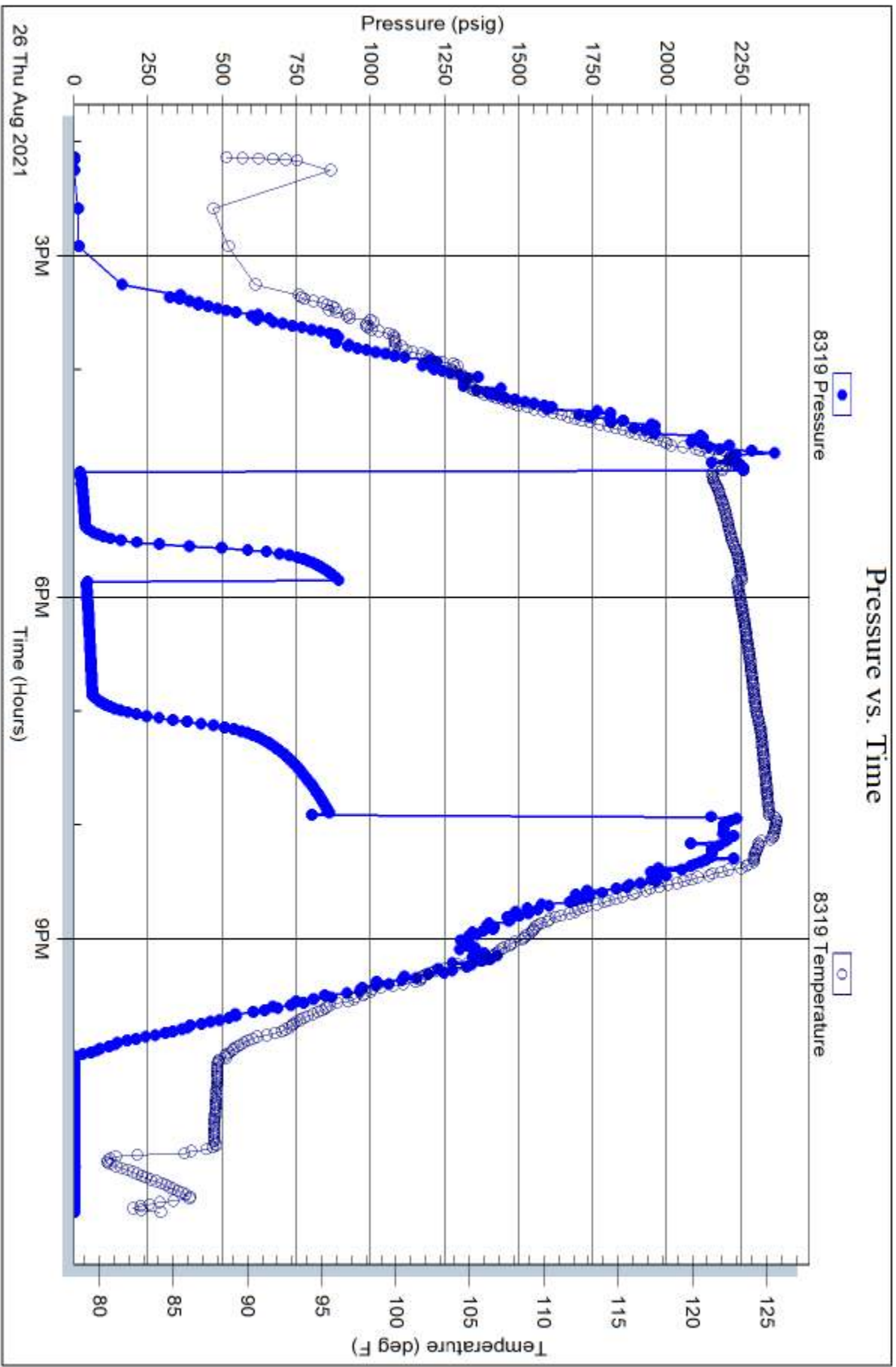
Serial #: 8319

Outside

Palomino Petroleum

Casino Royale #1

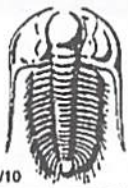
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66958

Printed: 2021.08.30 @ 15:43:38



TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **66957**

Well Name & No. R. Casino Royale #1 Test No. 1 Date 8/25/2021
 Company Palomino Petroleum Elevation 2521 KB 2516 GL
 Address 4924 SE 84th St Newton, Ks 67114
 Co. Rep / Geo. Andrew Stenzel Rig Modin 102
 Location: Sec. 18 Twp 16s Rge. 24w Co. Mass State Ks

Interval Tested 4430-4492 Zone Tested Mississippian
 Anchor Length 62' Drill Pipe Run 4301 Mud Wt. 9.4
 Top Packer Depth 4425 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 4430 Wt. Pipe Run Ø WL 6.2
 Total Depth 4492 Chlorides 3900 ppm System LCM 1#
 Blow Description IF 3.1" blow
ISI 0.3" return.
FF 29" blow
FSI No return.

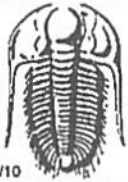
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>oil</u>	<u>100</u>			
<u>60</u>	<u>60cm</u>	<u>20</u>	<u>35</u>		<u>45</u>
	<u>90' GIP</u>				

Rec Total 90 BHT 119 Gravity 39 API RW —@ —° F Chlorides — ppm

(A) Initial Hydrostatic <u>2195</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>0715</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1030</u>
(C) First Final Flow <u>41</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1332</u>
(D) Initial Shut-In <u>486</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1432</u>
(E) Second Initial Flow <u>61</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1815</u>
(F) Second Final Flow <u>62</u>	<input checked="" type="checkbox"/> Mileage <u>114 RT 142.50</u>	Comments <u>pulled 30 over to come</u>
(G) Final Shut-In <u>746</u>	<input type="checkbox"/> Sampler	<u>off bottom</u>
(H) Final Hydrostatic <u>2173</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>1917.50</u>
	Sub Total <u>1917.50</u>	MP/DST Disc't <u>—</u>

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. 66958

4/10

Well Name & No. Casino Royale #1 Test No. 2 Date 8/26/2021
 Company Palomino Petroleum Elevation 2521 KB 2516 GL
 Address Newton KS
 Co. Rep / Geo. Andrew Stenzel Rig NO. 102
 Location: Sec. 18 Twp 16S Rge. 24W Co. NOSS State KS

Interval Tested 4497-4515 4604 LTD Zone Tested Mississippian
 Anchor Length 18' Drill Pipe Run 4364 Mud Wt. 9.4
 Top Packer Depth 4492 & 4497 Drill Collars Run 120 Vis 54
~~Bottom~~ Packer Depth 4515 & 4520 Wt. Pipe Run 0 WL 5.4
 Total Depth 4604 LTD Chlorides 4000 ppm System LCM 1#
 Blow Description IF 2.5" blow
IST No return.
FF 3.7" blow
FSI Surface return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Oil</u>	<u>100</u>			
<u>60</u>	<u>G.M.C.O</u>	<u>20%</u>	<u>50</u>		<u>30</u>
	<u>80' GIP</u>				

Rec Total 100 BHT 120 Gravity 38 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2258</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>1400</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1430</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1647</u>
(D) Initial Shut-In <u>895</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1947</u>
(E) Second Initial Flow <u>42</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2324</u>
(F) Second Final Flow <u>63</u>	<input checked="" type="checkbox"/> Mileage <u>114RT</u> <u>142.50</u>	Comments
(G) Final Shut-In <u>860</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2241</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> EM Tool
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Extra Packer <u>200</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Accessibility	Total <u>2967.50</u>
Final Shut-In <u>60</u>	Sub Total <u>2967.50</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]
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