

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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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: 3/8/2022
 Invoice #: 0359362
 Lease Name: Riders On the Storm
 Well #: 1
 County: Ness, Ks
 Job Number: WP2508
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Depth Charge 0'-500'	1.000	920.000	920.00
Heavy Eq Mileage	85.000	4.000	340.00
Light Eq Mileage	85.000	2.000	170.00
Ton Mileage	799.000	1.500	1,198.50
Cement Blending & Mixing	200.000	1.288	257.60
H-325	200.000	18.400	3,680.00

Total 6,566.10

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!



Customer	Palomino Petroleum	Lease & Well #	Riders on the storm # 1	Date	3/8/2022
Service District	Oakley KS	County & State	Ness KS	Legals S/T/R	28-16S-24W
Job Type	Surface	<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	Legals S/T/R New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Job #
					Ticket #

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
180/520	Jimmie	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Lockout/Tagout	<input checked="" type="checkbox"/> Warning Signs & Flagging
205	Josh	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input checked="" type="checkbox"/> Required Permits	<input checked="" type="checkbox"/> Fall Protection
		<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Comments	

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
D010	Depth Charge: 0'-500'	job	1.00	\$920.00
M010	Heavy Equipment Mileage	mi	85.00	\$340.00
m015	Light Equipment Mileage	mi	85.00	\$170.00
M020	Ton Mileage	tm	799.00	\$1,198.50
C060	Cement Blending & Mixing Service	sack	200.00	\$257.60
CP015	H-325	sack	200.00	\$3,680.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?	Net:	\$6,566.10
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Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely	Total Taxable \$ - Tax Rate: State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	Sale Tax: \$ - Total: \$ 6,566.10
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HSI Representative: <i>Josh Master</i>
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TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**



CEMENT TREATMENT REPORT

Customer:	Palomino Petroleum	Well:	Riders on the storm # 1	Ticket:	WP 2508
City, State:	Oakley KS	County:	Ness KS	Date:	3/8/2022
Field Rep:	Josh Mosier	S-T-R:	28-16S-24W	Service:	Surface

Downhole Information	
Hole Size:	12.25 in
Hole Depth:	214 ft
Casing Size:	8 5/8 in
Casing Depth:	217.7 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	12.5 bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft ³ / sx
Annular Bbls / Ft.:	0.0735 bbs / ft.
Depth:	214 ft
Annular Volume:	15.7 bbls
Excess:	
Total Slurry:	50.2 bbls
Total Sacks:	200 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
930P			-	-	GOT TO LOCATION
935P				-	SAFETY MEETING
940P				-	RIGGED UP TRUCKS
1025P				-	LANDED CASING
1030P				-	CIRCULATED HOLE
1042P	3.0	100.0	5.0	5.0	PUMPED H2O AHEAD
1044P	6.0	150.0	50.2	55.2	PUMPED 200 SKS OF H-325 @ 214 FT
1053P	3.0	100.0	12.5	67.7	DISPLACED WITH H2O
1058P				67.7	PLUG DOWN WITH 5 BBL CIRCULATED TO PIT
1100P				67.7	WASHED UP PUMP TRUCK
1110P				67.7	RIGGED DOWN PUMP
1125P					OFF LOCATION

CREW		UNIT	SUMMARY		
Cementer:	Jimmie	180/520	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Josh	205	4.0 bpm	117 psi	68 bbls
Bulk #1:					
Bulk #2:					

SWIFT



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
3/15/2022	34274

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

RECEIVED
MAR 21 2022
BY: _____

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Riders On Th...	Ness	Duke Drlg	Oil	Development	5 1/2 Longstring	Preston
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer				10	Each	90.00	900.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
284	Calseal				5	Sack(s)	40.00	200.00T
283	Salt				500	Lb(s)	0.25	125.00T
285	CFR-1				50	Lb(s)	5.00	250.00T
276	Flocele				75	Lb(s)	3.00	225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	18.00	2,250.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				4	Gallon(s)	42.00	168.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
582D	Minimum Drayage Charge				1	Each	300.00	300.00
	Subtotal							12,138.00
	Sales Tax Ness County						6.50%	634.92

*Cement for long string for #1
3/15*

We Appreciate Your Business!	Total	\$12,772.92
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CHARGE TO: Palomino Refueling
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 34274

SWIFT SERVICES, INC.
 12138th St
 Ness City, KS 67560

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>Riders on the Storm</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY	DATE <u>3-5-22</u>	OWNER
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke</u>	RIG NAME/NO.	SHIPPED VIA <u>ct</u>	DELIVERED TO <u>location</u>	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Longstring 5 1/2"</u>				WELL LOCATION <u>Random 3-61, 510</u>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF					
575									
578									
404									
403									
406									
407									
409									

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER REPRESENTATIVE PRIOR TO START OF WORK OR DELIVERY

DATE SIGNED 3-15-22 TIME SIGNED 16:30 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL #1 5870.00
 #2 6268.00
 # 12138.00

TOTAL 18972.92

SWIFT OPERATOR Robert Wade APPROVAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 34274

CUSTOMER *Palomino Petroleum*

WELL *Riders on the 36000 #1*

DATE *3-15-22* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QUANTITY				UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY	U/M	QTY	U/M			
325						5 Tons of CMS	100	SKS				14,500	1450,00
284						Cal Seal	5	SKS				40,00	200,00
283						Salt	500	lbs				1,25	125,00
285						CFR-1	50	lbs				5,00	250,00
276						Floacle	75	lbs				3,00	225,00
330						5 MD cement	125	SKS				18,00	2250,00
281						Mud Flush	500	gal				1,50	750,00
221						Liquid KCL	4	gal				25,00	100,00
290						D-Air	4	gal				43,00	168,00
581						Service Charge						2,00	450,00
						Mileage Charge						23,00	300,00
						Loaded Miles						20	300,00
						Cubic Feet						230	min 500
						Ton Miles						230	min 500

CONTINUATION TOTAL 300,00 6268,00

JOB LOG

SWIFT Services, Inc.

DATE 3-15-22 PAGE NO. 1

CUSTOMER Palomares Petroleum WELL NO. #1 LEASE Riders on the Storm JOB TYPE Longstring 5 1/2" TICKET NO. 34274

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	10:30							ON location RTD 4610' LTD 4608' 5 1/2" 14# shoe 37,62 PC 1928' #66 collar Basket 1970 pin #66 Turbolizers 1,2,3,4,5,6,7,8,9,67
	11:30							Start 5 1/2 casing in hole
	14:00							Drop ball circulate
	15:00	4	32		✓			Pump Flush 500gal plus 20001 spacer
	15:15	2	12-8		✓			RH, MH plug (30, 20SK)
	15:25	4	29		✓	200		Down hole SMD 75SKS at 12.5
	15:35	4	24		✓	200		Ea 2 100SKS at 15.36
	15:45							wash out pump lines
	15:50	6	0-		✓	200		start displacement
		6	82		✓	300		lift pressure
		6	108		✓	700		Max lift pressure
	16:10		112		✓	1700		land plug * hold psi Release
	16:20							wash truck
	16:45							Job complete Thanks! Preston, Kirby, John
								125 SMD used (30RH, 20MH) 100 Ea2 used



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4824 SE 84th St,
Newton, KS 67114

ATTN: Andrew Stenzel

28-16s-24w Ness,KS

Riders on the Storm #1

Start Date: 2022.03.13 @ 10:55:00

End Date: 2022.03.13 @ 17:59:15

Job Ticket #: 68062 DST #: 1

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

Printed: 2022.03.16 @ 15:48:43

Palomino Petroleum

Riders on the Storm #1

28-16s-24w Ness,KS

DST # 1

Cherokee Sand

2022.03.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

4824 SE 84th St,
New ton, KS 67114

ATTN: Andrew Stenzel

Riders on the Storm #1

28-16s-24w Ness,KS

Job Ticket: 68062

DST#: 1

Test Start: 2022.03.13 @ 10:55:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:02:15

Time Test Ended: 17:59:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4454.00 ft (KB) To 4502.00 ft (KB) (TVD)

Reference Elevations: 2524.00 ft (KB)

Total Depth: 4502.00 ft (KB) (TVD)

2516.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8874 Outside

Press@RunDepth: 532.11 psig @ 4455.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.03.13

End Date:

2022.03.13

Last Calib.:

2022.03.13

Start Time:

10:55:05

End Time:

17:59:14

Time On Btm:

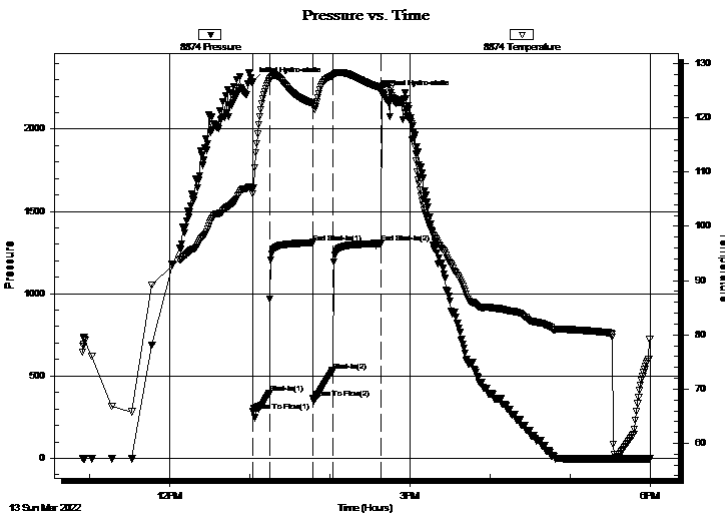
2022.03.13 @ 13:02:00

Time Off Btm:

2022.03.13 @ 14:39:00

TEST COMMENT: 15- IF: BOB @ 2 min, built to 65".
30- IS: 0.6" return.
15- FF: BOB @ 2 min, built to 89".
30- FS: 0.5" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2286.12	106.98	Initial Hydro-static
1	284.34	106.05	Open To Flow (1)
13	395.48	126.81	Shut-In(1)
46	1310.55	122.63	End Shut-In(1)
46	364.26	122.13	Open To Flow (2)
60	532.11	127.76	Shut-In(2)
97	1305.83	125.47	End Shut-In(2)
97	2212.21	125.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gmco 30g 20m 50o	1.68
1200.00	gsmco 20g 5m 75o	16.83
0.00	320' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

4824 SE 84th St,
New ton, KS 67114

ATTN: Andrew Stenzel

Riders on the Storm #1

28-16s-24w Ness,KS

Job Ticket: 68062

DST#: 1

Test Start: 2022.03.13 @ 10:55:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

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Interval: 4454.00 ft (KB) To 4502.00 ft (KB) (TVD)

Total Depth: 4502.00 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: 2524.00 ft (KB)

2516.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8319 Inside

Press@RunDepth: psig @ 4455.00 ft (KB)

Start Date: 2022.03.13

End Date:

2022.03.13

Start Time: 10:55:05

End Time:

17:59:14

Capacity: 8000.00 psig

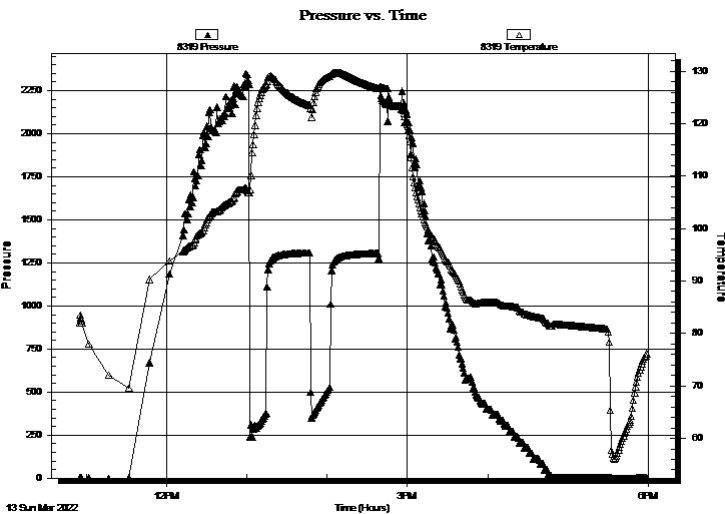
Last Calib.:

2022.03.13

Time On Btm:

Time Off Btm:

TEST COMMENT: 15- IF: BOB @ 2 min, built to 65".
30- IS: 0.6" return.
15- FF: BOB @ 2 min, built to 89".
30- FS: 0.5" return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gmco 30g 20m 50o	1.68
1200.00	gsmco 20g 5m 75o	16.83
0.00	320' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

Riders on the Storm #1

4824 SE 84th St,
New ton, KS 67114

28-16s-24w Ness,KS

Job Ticket: 68062

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2022.03.13 @ 10:55:00

Tool Information

Drill Pipe:	Length: 4451.00 ft	Diameter: 3.80 inches	Volume: 62.44 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 62.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4454.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 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			4428.00	
Shut In Tool	5.00			4433.00	
Hydraulic tool	5.00			4438.00	
Jars	5.00			4443.00	
Safety Joint	2.00			4445.00	
Packer	5.00			4450.00	27.00 Bottom Of Top Packer
Packer	4.00			4454.00	
Stubb	1.00			4455.00	
Recorder	0.00	8319	Inside	4455.00	
Recorder	0.00	8874	Outside	4455.00	
Perforations	11.00			4466.00	
Change Over Sub	1.00			4467.00	
Drill Pipe	31.00			4498.00	
Change Over Sub	1.00			4499.00	
Bullnose	3.00			4502.00	48.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

Riders on the Storm #1

4824 SE 84th St,
New ton, KS 67114

28-16s-24w Ness,KS

Job Ticket: 68062

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2022.03.13 @ 10:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gmco 30g 20m 50o	1.683
1200.00	gsmco 20g 5m 75o	16.833
0.00	320' GIP	0.000

Total Length: 1320.00 ft Total Volume: 18.516 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

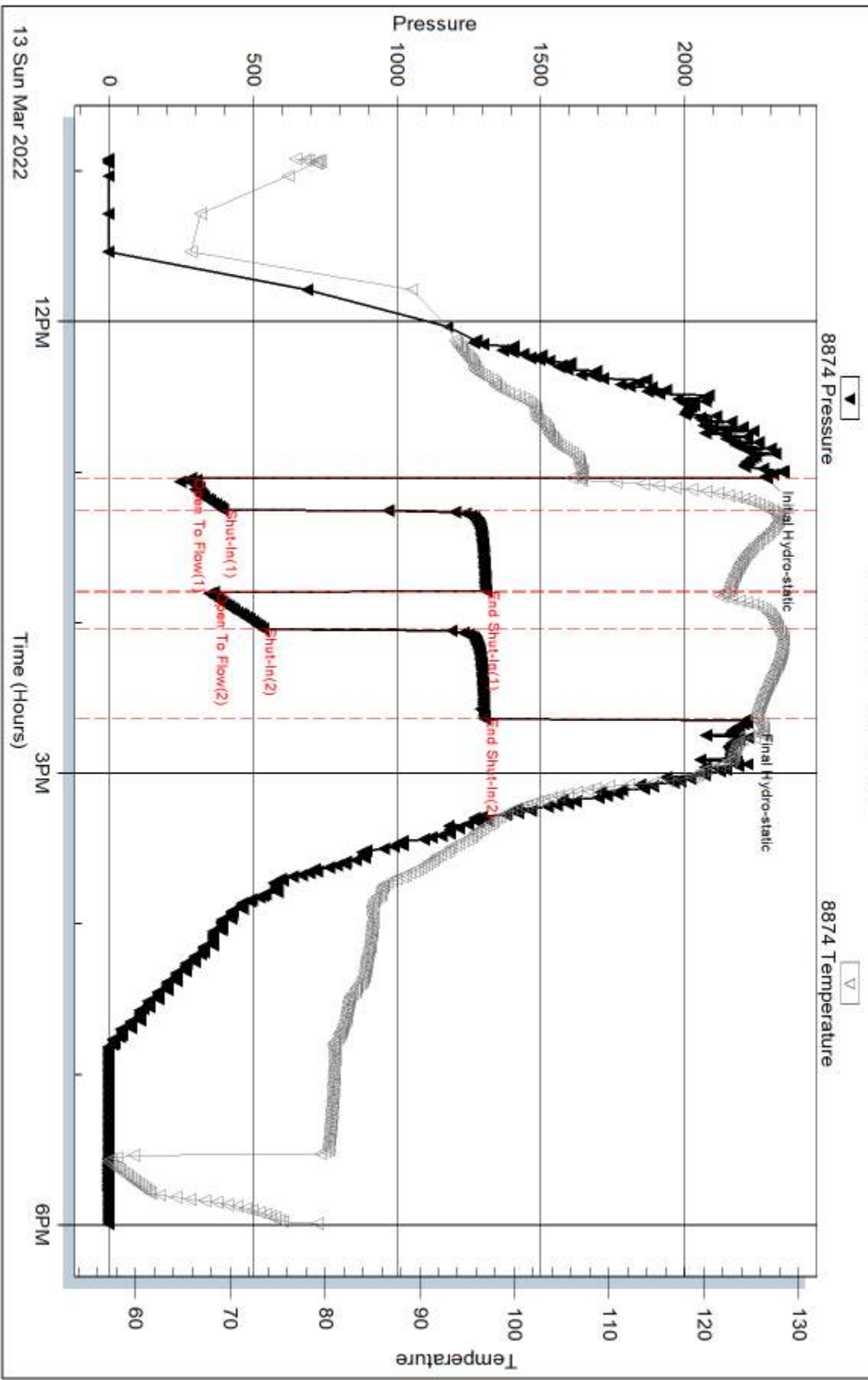
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



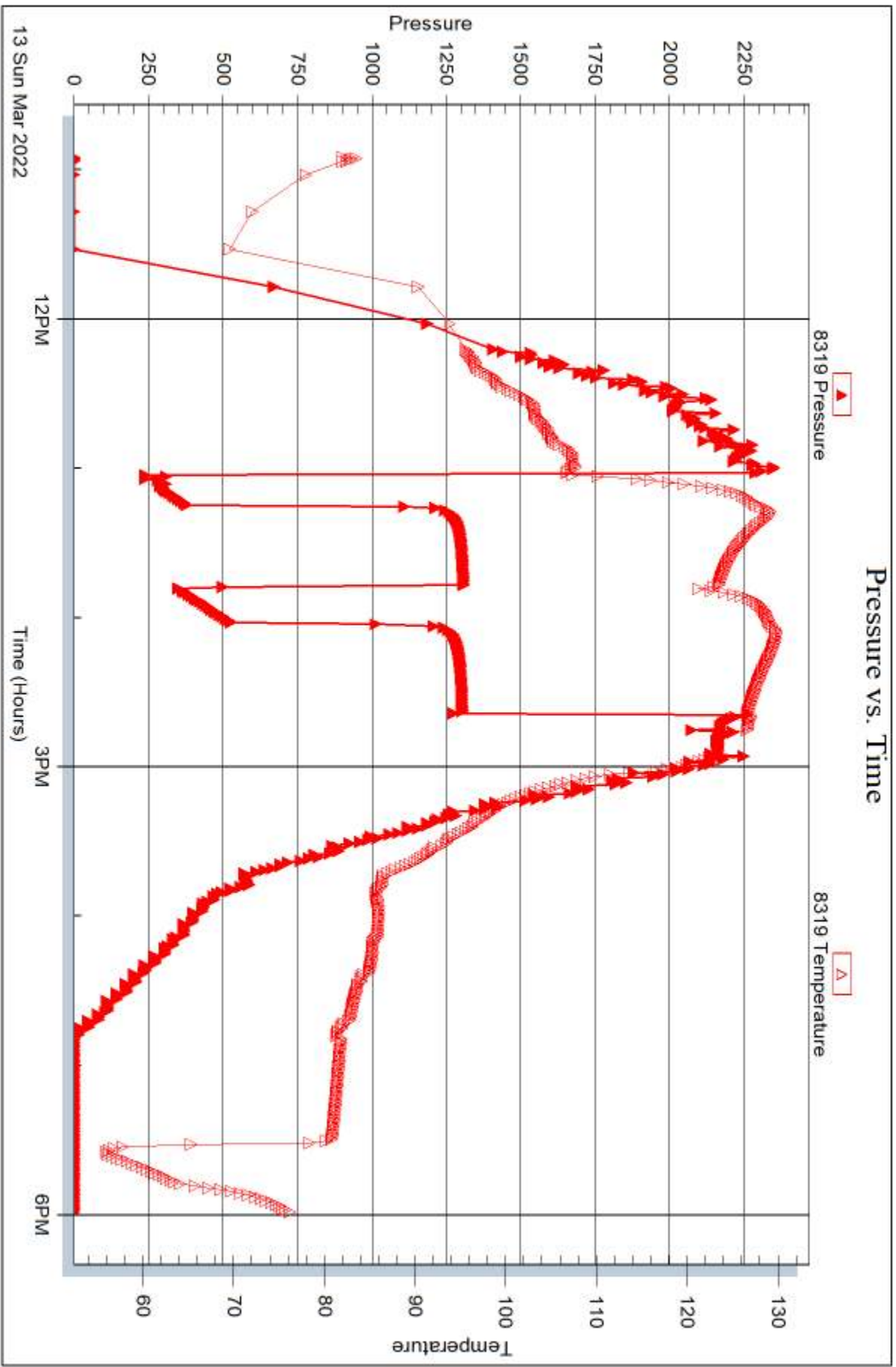
Serial #: 8319

Inside

Palomino Petroleum

28-16s-24w Ness, KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4824 SE 84th St,
Newton, KS 67114

ATTN: Andrew Stenzel

28-16s-24w Ness,KS

Riders on the Storm #1

Start Date: 2022.03.14 @ 01:46:00

End Date: 2022.03.14 @ 10:16:45

Job Ticket #: 68063 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.03.16 @ 15:47:59

Palomino Petroleum

Riders on the Storm #1

28-16s-24w Ness,KS

DST # 2

Cherokee Sand

2022.03.14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

4824 SE 84th St,
New ton, KS 67114

ATTN: Andrew Stenzel

Riders on the Storm #1

28-16s-24w Ness,KS

Job Ticket: 68063

DST#: 2

Test Start: 2022.03.14 @ 01:46:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:04:30

Time Test Ended: 10:16:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4504.00 ft (KB) To 4518.00 ft (KB) (TVD)

Total Depth: 4518.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2524.00 ft (KB)

2516.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8874 Outside

Press@RunDepth: psig @ 4505.00 ft (KB)

Start Date: 2022.03.14

End Date:

2022.03.14

Start Time: 01:46:05

End Time:

10:16:44

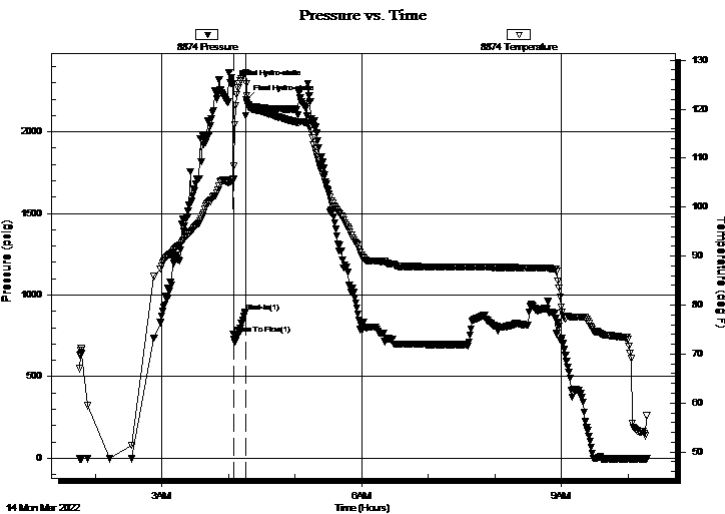
Capacity: 8000.00 psig

Last Calib.: 2022.03.14

Time On Btm: 2022.03.14 @ 04:04:00

Time Off Btm: 2022.03.14 @ 04:16:15

TEST COMMENT: 10- IF- BOB @ 15 sec, built to 300"
Pulled test.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2289.32	105.62	Initial Hydro-static
1	758.24	105.69	Open To Flow (1)
12	897.29	127.29	Shut-In(1)
13	2195.21	125.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gow cm 30g 20o 20w 30m	1.68
1780.00	gsmco 20g 2m 78o	24.97
0.00	110' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum

4824 SE 84th St,
New ton, KS 67114

ATTN: Andrew Stenzel

Riders on the Storm #1

28-16s-24w Ness,KS

Job Ticket: 68063

DST#: 2

Test Start: 2022.03.14 @ 01:46:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:04:30

Time Test Ended: 10:16:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

Interval: 4504.00 ft (KB) To 4518.00 ft (KB) (TVD)

Reference Elevations: 2524.00 ft (KB)

Total Depth: 4518.00 ft (KB) (TVD)

2516.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8319

Inside

Press@RunDepth: psig @ 4505.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.03.14

End Date:

2022.03.14

Last Calib.:

2022.03.14

Start Time: 01:46:05

End Time:

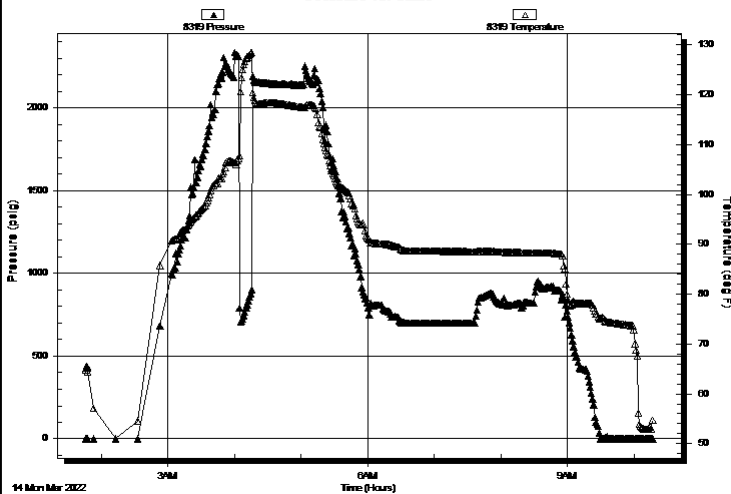
10:16:59

Time On Btm:

Time Off Btm:

TEST COMMENT: 10- IF: BOB @ 15 sec, built to 300"
Pulled test.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gow cm 30g 20o 20w 30m	1.68
1780.00	gsmco 20g 2m 78o	24.97
0.00	110' 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

Riders on the Storm #1

4824 SE 84th St,
New ton, KS 67114

28-16s-24w Ness,KS

Job Ticket: 68063

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2022.03.14 @ 01:46:00

Tool Information

Drill Pipe:	Length: 4482.00 ft	Diameter: 3.80 inches	Volume: 62.87 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 62.87 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4504.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	41.00 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			4478.00	
Shut In Tool	5.00			4483.00	
Hydraulic tool	5.00			4488.00	
Jars	5.00			4493.00	
Safety Joint	2.00			4495.00	
Packer	5.00			4500.00	27.00 Bottom Of Top Packer
Packer	4.00			4504.00	
Stubb	1.00			4505.00	
Recorder	0.00	8319	Inside	4505.00	
Recorder	0.00	8874	Outside	4505.00	
Perforations	10.00			4515.00	
Bullnose	3.00			4518.00	14.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

Riders on the Storm #1

4824 SE 84th St,
New ton, KS 67114

28-16s-24w Ness,KS

Job Ticket: 68063

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2022.03.14 @ 01:46:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gow cm 30g 20o 20w 30m	1.683
1780.00	gsmco 20g 2m 78o	24.969
0.00	110' GIP	0.000

Total Length: 1900.00 ft Total Volume: 26.652 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

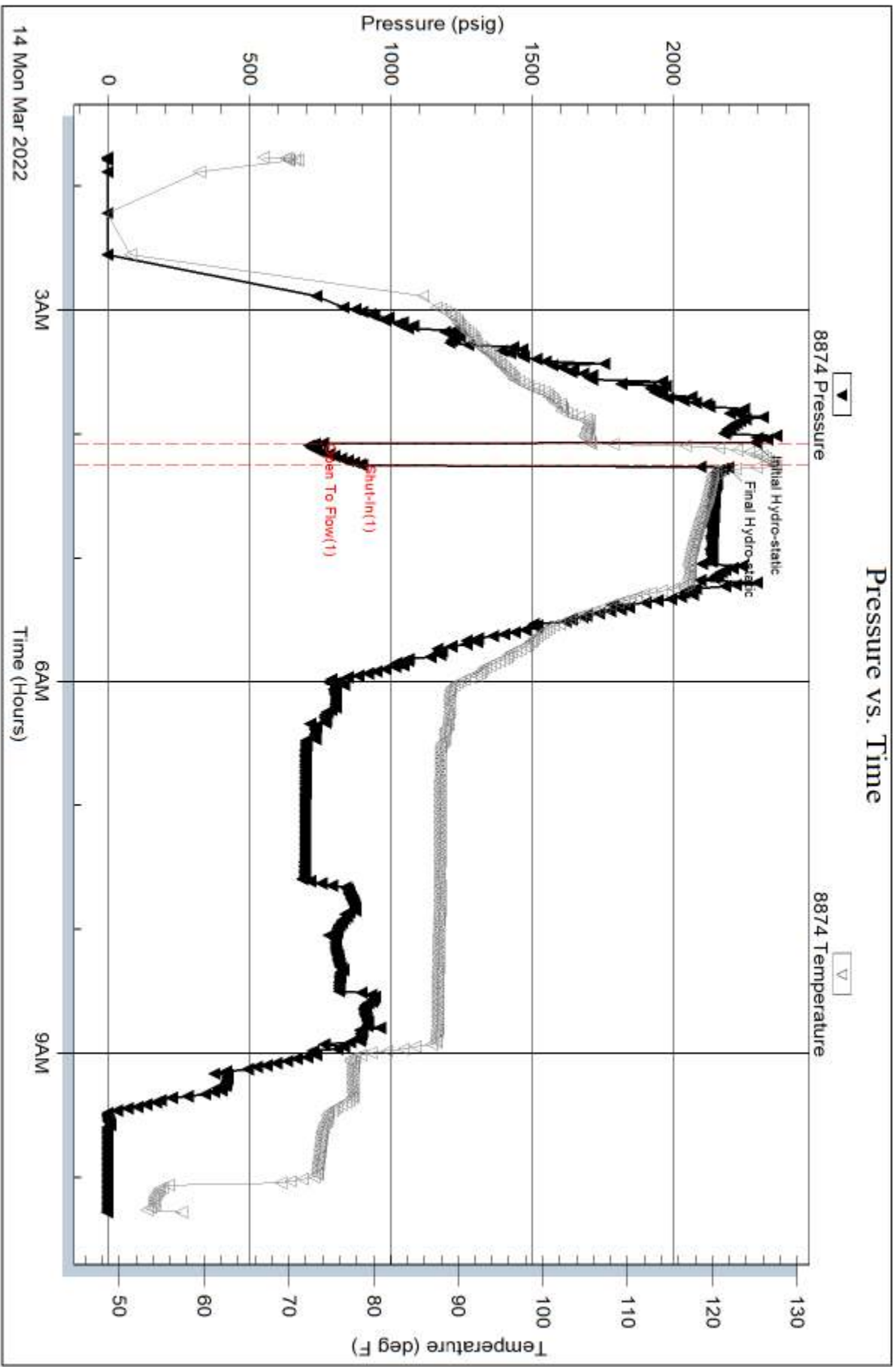
Recovery Comments:

Serial #: 8874

Outside Palominio Petroleum

28-16s-24w Ness, KS

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68063

Printed: 2022.03.16 @ 15:48:02

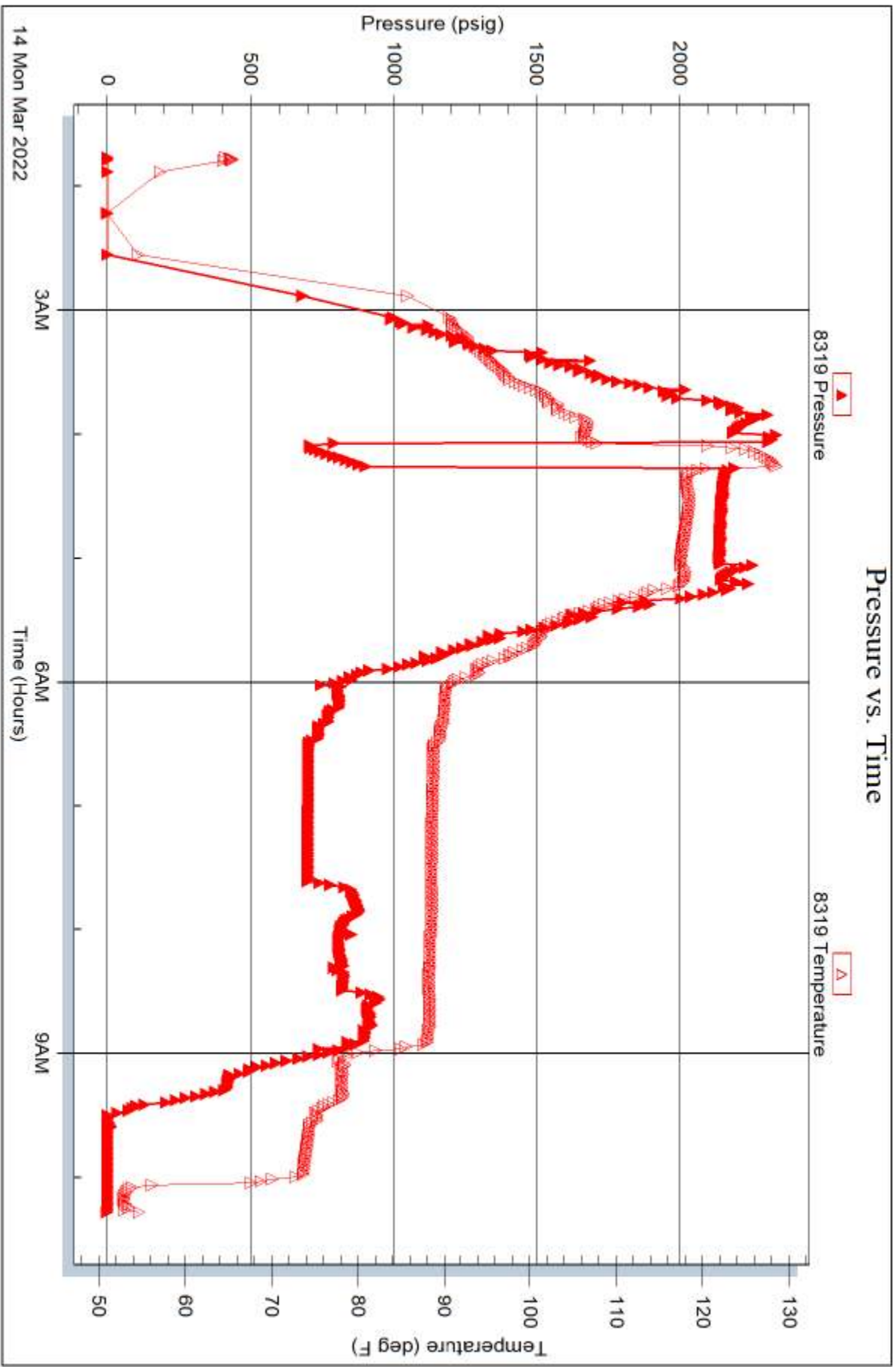
Serial #: 8319

Inside

Palominio Petroleum

28-16s-24w Ness, KS

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68062

Well Name & No. Riders on the Storm #1 Test No. 1 Date 3/13/2022
 Company Palomino Petroleum Elevation 2524 KB 2516 GL
 Address 4924 SE 84th St Newton, Ks 67114
 Co. Rep / Geo. Ryan Stenzel Rig Duke #2
 Location: Sec. 28 Twp 16s Rge. 24w Co. Miss State Ks

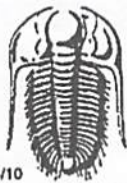
Interval Tested 4454 - 4502 Zone Tested Cherokee Sand
 Anchor Length 48' Drill Pipe Run 4451 Mud Wt. 9.5
 Top Packer Depth 4449 Drill Collars Run 0 Vis 68
 Bottom Packer Depth 4454 Wt. Pipe Run 0 WL 8.0
 Total Depth 4502 Chlorides 6600 ppm System LCM 1#
 Blow Description IF BOB@ 2 min. built to 65"
ISI 0.6" return
FF BOB@ 2 min built to 69"
FSI 0.5" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1200</u>	<u>65 mco</u>	<u>20</u>	<u>75</u>	<u>5</u>	
<u>120</u>	<u>GMCO</u>	<u>30</u>	<u>50</u>	<u>20</u>	
	<u>320' GIP</u>				

Rec Total 1320 BHT 125 Gravity 37 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2286</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>1000</u>
(B) First Initial Flow <u>284</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1055</u>
(C) First Final Flow <u>395</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1404</u>
(D) Initial Shut-In <u>1310</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1535</u>
(E) Second Initial Flow <u>364</u>	<input type="checkbox"/> Hourly Standby	T-Out
(F) Second Final Flow <u>532</u>	<input checked="" type="checkbox"/> Mileage <u>128 AT 112rt 140</u>	Comments
(G) Final Shut-In <u>1305</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2212</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1915</u>
	Sub Total <u>1915</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]
 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68063

Well Name & No. Riders On The Storm #1 Test No. 2 Date 3/4/2022
 Company Palomero Petroleum Elevation 2524 KB 2516 GL
 Address 4924 SE 84th St Newton KS 67114
 Co. Rep / Geo. Ryan Stenzel Rig Duke #2
 Location: Sec. 28 Twp 16s Rge. 24w Co. Ness State Ks

Interval Tested 4504-4518 Zone Tested Cherokee Sand
 Anchor Length 14' Drill Pipe Run 4488 Mud Wt. 9.5
 Top Packer Depth 4499 Drill Collars Run 0 Vis 68
 Bottom Packer Depth 4504 Wt. Pipe Run 0 WL 8.0
 Total Depth 4518 Chlorides 6600 ppm System LCM 1#
 Blow Description IF Bob @ 15 sec - 300" blow
Pulled Test

Rec	Feet of	%gas	%oil	%water	%mud
1780	66 WCM	30	20	20	30
1780	65 MCO	20	78		2
120	60 WCM	30	20	20	30
	110' GIP				

Rec Total 1900 BHT 127 Gravity 36 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2289</u>	<input checked="" type="checkbox"/> Test 1450	T-On Location <u>0100</u>
(B) First Initial Flow <u>758</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>0128</u>
(C) First Final Flow <u>897</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>0405</u>
(D) Initial Shut-In <u>/</u>	<input checked="" type="checkbox"/> Circ Sub 50	T-Pulled <u>0415</u>
(E) Second Initial Flow <u>/</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1016</u>
(F) Second Final Flow <u>/</u>	<input checked="" type="checkbox"/> Mileage <u>x2</u> 280	Comments <u>9/0 Tool</u>
(G) Final Shut-In <u>/</u>	<input type="checkbox"/> Sampler	<u>0400 3/15/2022</u>
(H) Final Hydrostatic <u>2195</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> EM Tool
Initial Open <u>10 -</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>Pull</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>/</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>/</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>2105</u>
	Sub Total <u>2105</u>	MP/DST Disc't <u>/</u>

Approved By _____ Our Representative [Signature]
 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.



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: Riders on the Storm #1
API: 15-135-26154-00-00
Location: SW-SW-SW-SW Sec. 28-16S-24W (Ness County)
License Number: 30742
Spud Date: 3/8/22
Surface Coordinates: 480' FEL & 338' FWL
Region: KANSAS
Drilling Completed: 3/15/22

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): 2524
Total Depth (ft): 4610

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:

3/8/22 MIRU, ran surface casing
3/9/22 Waiting on cement
3/10/22 Drilling @ 2012'
3/11/22 Drilling @ 3298'
3/12/22 Drilling @ 4080'
3/13/22 DST #1
3/14/22 Tripping out with DST #2
3/15/22 Ran electric logs, ran production casing

Services

RIG: Duke Drilling, Rig #2

MUD: MUDCO

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

Casing Record

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing @ 212'

PRODUCTION Casing: Ran 114 jts new MW55 5 1/2", 14# casing set at 4605'.

Formation Tops

Sample Tops		LogTops	
Anhy.	1880 (+644)	Anhy.	1879 (+645)
Base Anhy.	1910 (+614)	Base Anhy.	1906 (+618)
Heebner	3874 (-1350)	Heebner	3872 (-1348)
Lansing	3918 (-1394)	Lansing	3915 (-1391)
BKC	4210 (-1686)	BKC	4208 (-1684)
Pawnee	4336 (-1812)	Pawnee	4329 (-1805)
Ft. Scott	4413 (-1889)	Ft. Scott	4408 (-1884)
Cher. Sh.	4437 (-1913)	Cher. Sh.	4433 (-1909)
Cher. Sd.	4490 (-1966)	Cher. Sd.	4489 (-1965)
Miss.	4540 (-2016)	Miss.	4545 (-2021)
RTD	4610 (-2086)	LTD	4608 (-2084)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

4824 SE 84th St,
New ton, KS 67114

ATTN: Andrew Stenzel

Riders on the Storm #1

28-16s-24w Ness,KS

Job Ticket: 68062 **DST#: 1**

Test Start: 2022.03.13 @ 10:55:00

GENERAL INFORMATION:

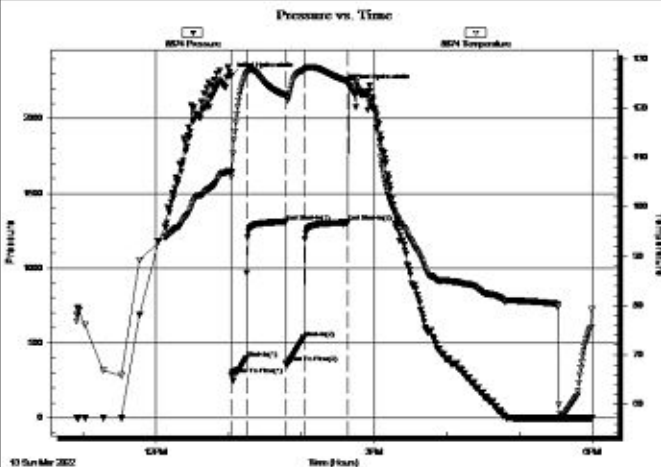
Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:02:15
 Time Test Ended: 17:59:15
 Interval: **4454.00 ft (KB) To 4502.00 ft (KB) (TVD)**
 Total Depth: 4502.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2524.00 ft (KB)
 2516.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8874

Outside

Press@RunDepth: 532.11 psig @ 4455.00 ft (KB)
 Start Date: 2022.03.13 End Date: 2022.03.13
 Start Time: 10:55:05 End Time: 17:59:14
 Capacity: 8000.00 psig
 Last Calib.: 2022.03.13
 Time On Btmr: 2022.03.13 @ 13:02:00
 Time Off Btmr: 2022.03.13 @ 14:39:00

TEST COMMENT: 15- IF: BOB @ 2 min, built to 65".
 30- IS: 0.6" return.
 15- FF: BOB @ 2 min, built to 89".
 30- FS: 0.5" return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2286.12	106.98	Initial Hydro-static
1	284.34	106.05	Open To Flow (1)
13	395.48	126.81	Shut-In(1)
46	1310.55	122.63	End Shut-In(1)
46	364.26	122.13	Open To Flow (2)
60	532.11	127.76	Shut-In(2)
97	1305.83	125.47	End Shut-In(2)
97	2212.21	125.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1200.00	gmco 30g 20m 50o	1.68
1200.00	gsmco 20g 5m 75o	16.83
0.00	320' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

4824 SE 84th St,
New ton, KS 67114

ATTN: Andrew Stenzel

Riders on the Storm #1

28-16s-24w Ness,KS

Job Ticket: 68063 **DST#:2**

Test Start: 2022.03.14 @ 01:46:00

GENERAL INFORMATION:

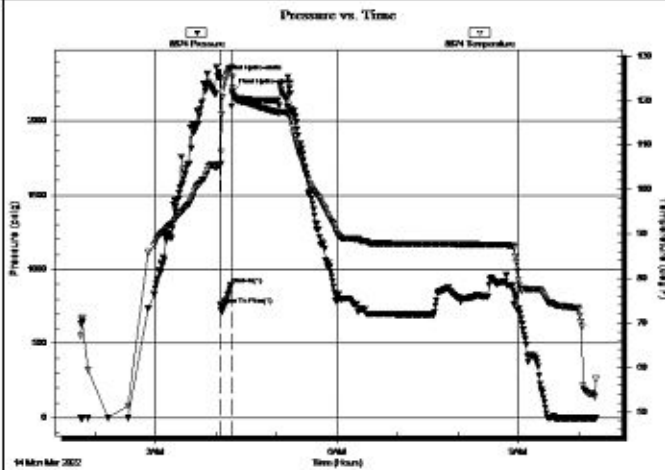
Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:04:30
 Time Test Ended: 10:16:45
 Interval: **4504.00 ft (KB) To 4518.00 ft (KB) (TVD)**
 Total Depth: 4518.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2524.00 ft (KB)
 2516.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8874

Outside

Press@RunDepth: psig @ 4505.00 ft (KB)
 Start Date: 2022.03.14 End Date: 2022.03.14
 Start Time: 01:46:05 End Time: 10:16:44
 Capacity: 8000.00 psig
 Last Calib.: 2022.03.14
 Time On Btmr: 2022.03.14 @ 04:04:00
 Time Off Btmr: 2022.03.14 @ 04:16:15

TEST COMMENT: 10- IF: BOB @ 15 sec, built to 300"
 Pulled test.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2289.32	105.62	Initial Hydro-static
1	758.24	105.69	Open To Flow (1)
12	897.29	127.29	Shut-In(1)
13	2195.21	125.18	Final Hydro-static

Recovery


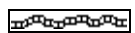
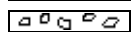
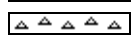
Length (ft)	Description	Volume (bbl)
120.00	gow cm 30g 20o 20w 30m	1.68
1780.00	gsmco 20g 2m 78o	24.97
0.00	110' GIP	0.00

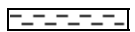



* Recovery from multiple tests





Gas Rates

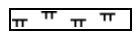

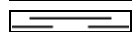
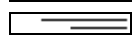
Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)

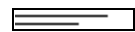



ROCK TYPES

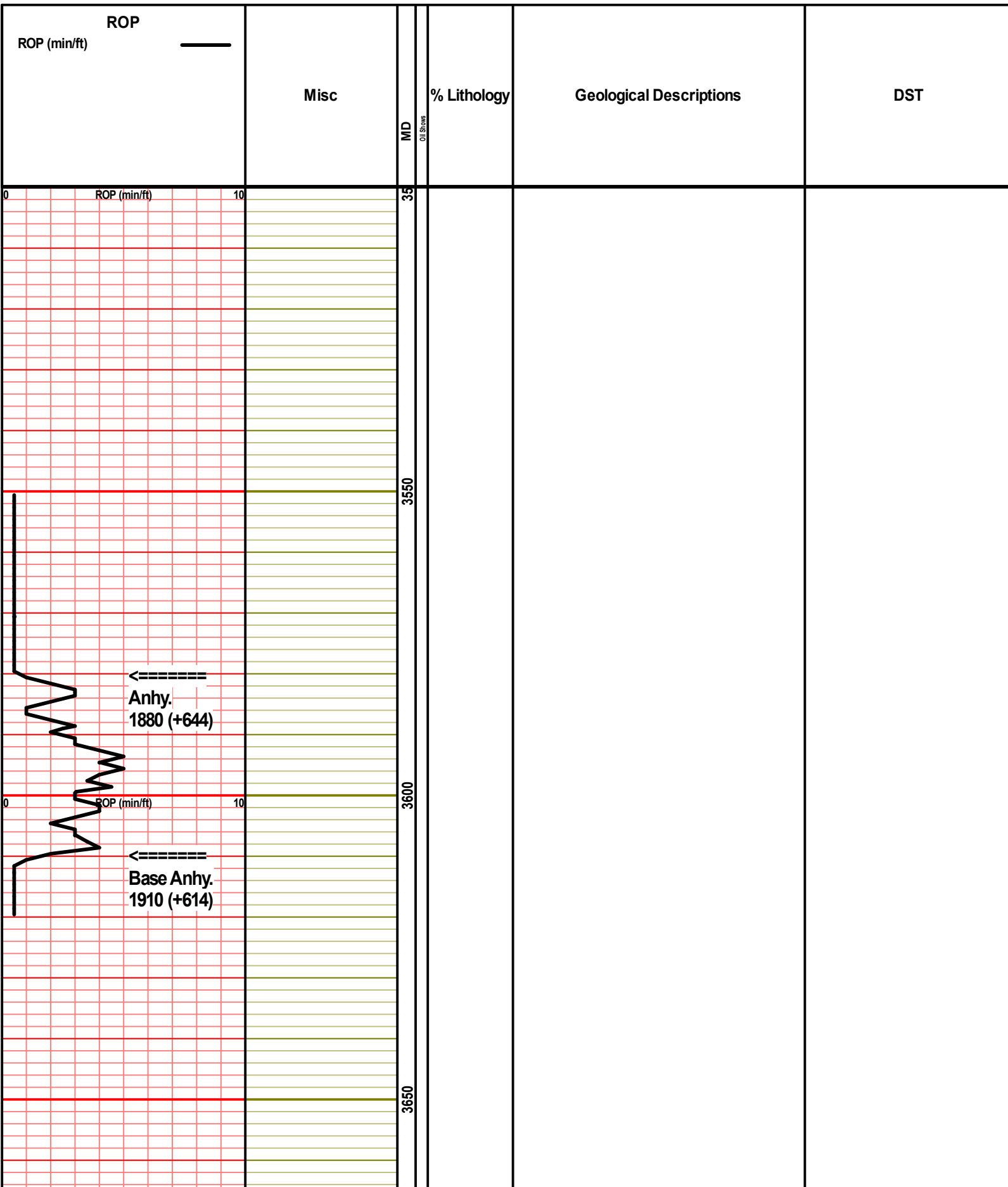
-  Anhy
-  Bent
-  Brec
-  Cht

-  Clyst
-  Carb shale
-  Congl
-  Dol

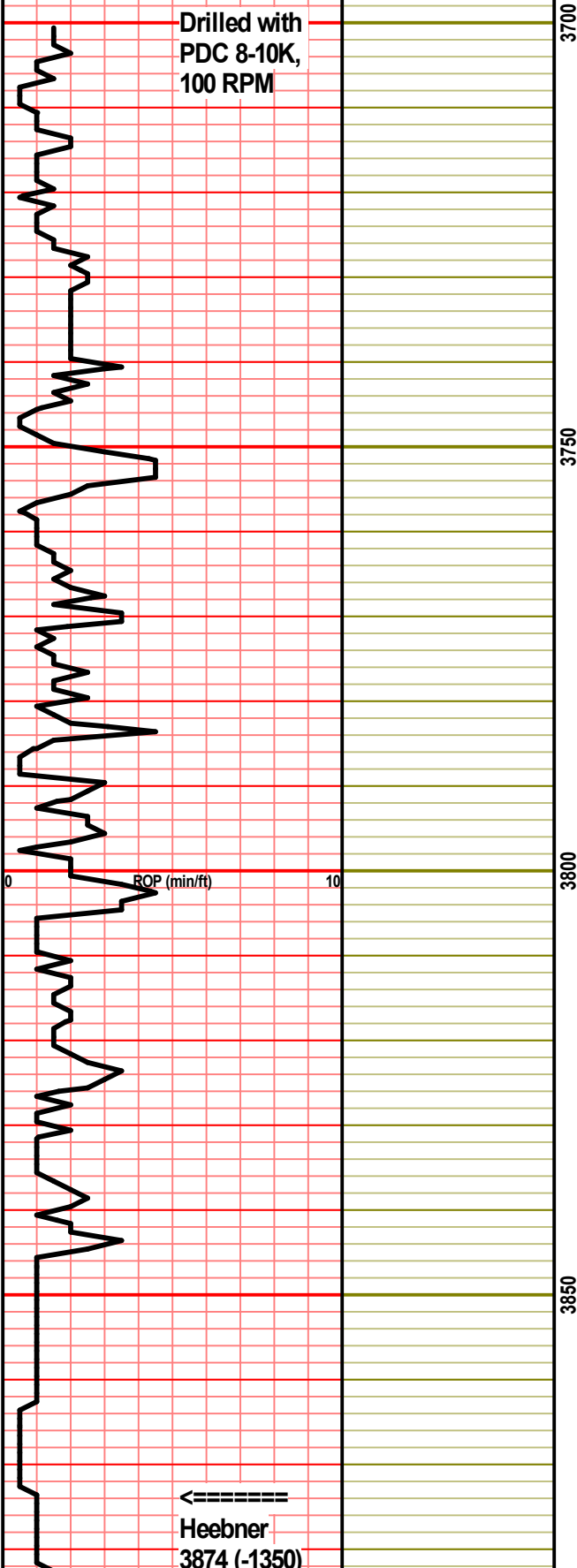
-  Gyp
-  Igne
-  Lmst
-  Meta

-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till



Drilled with
PDC 8-10K,
100 RPM



3700

Ls., cm-lt gy, fr-vfnxn, soft, vy chlky, some foss ip,
nvp, ns, scatt Sh., gy

3750

Ls., cm-lt gy, fnxn, mod hd, ool ip wfr ooc por, ns, no
odr, scatt pcs chlky, soft, abund Sh., gy-blk

Ls., cm-tn, fnxn, mod hd, ool/foss ip, few pcs w pr
foss & introol por, ns, no odr, scatt Sh., gy, few pcs
Cht., lt gy, shp

Ls., & Sh., aa

Sh., blk

3800

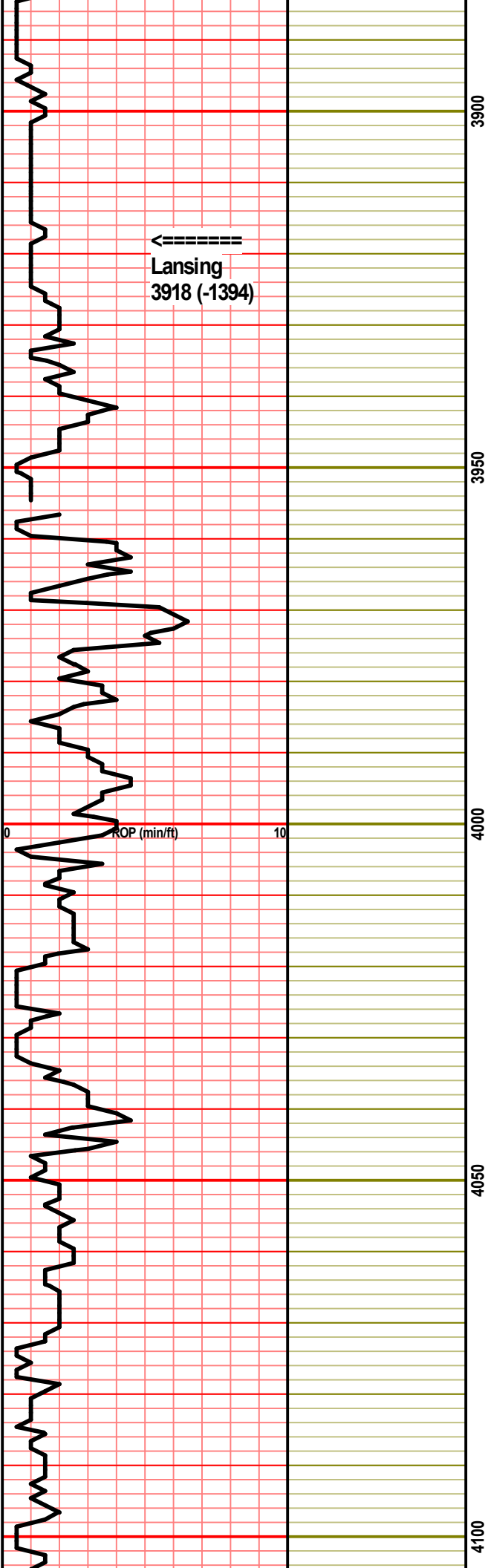
Ls., cm, vfnxn, soft, vy chlky, nvp, ns

Ls., cm-mottld bm, vy soft, vy chlky, nvp, ns, scatt Sh.,
gy, soft

3850

Sh., blk, carb

←
Heebner
3874 (-1350)



←
Lansing
3918 (-1394)

3900
3950
4000
4050
4100



Sh., lt gm, vy soft

Ls., cm, fn-vfnxn, mod hd-mod soft, chky ip, nvp, ns, scatt Chrt., tn, shp

Sh., gy-lt gm-bm

Ls., cm-tn, fnxn, mod hd, fri, foss ip, nvp, ns, scatt Sh., gy-bm

Ls., tn, fnxn, mod soft, fri ip, shly ip, nvp, ns, scatt Sh., aa

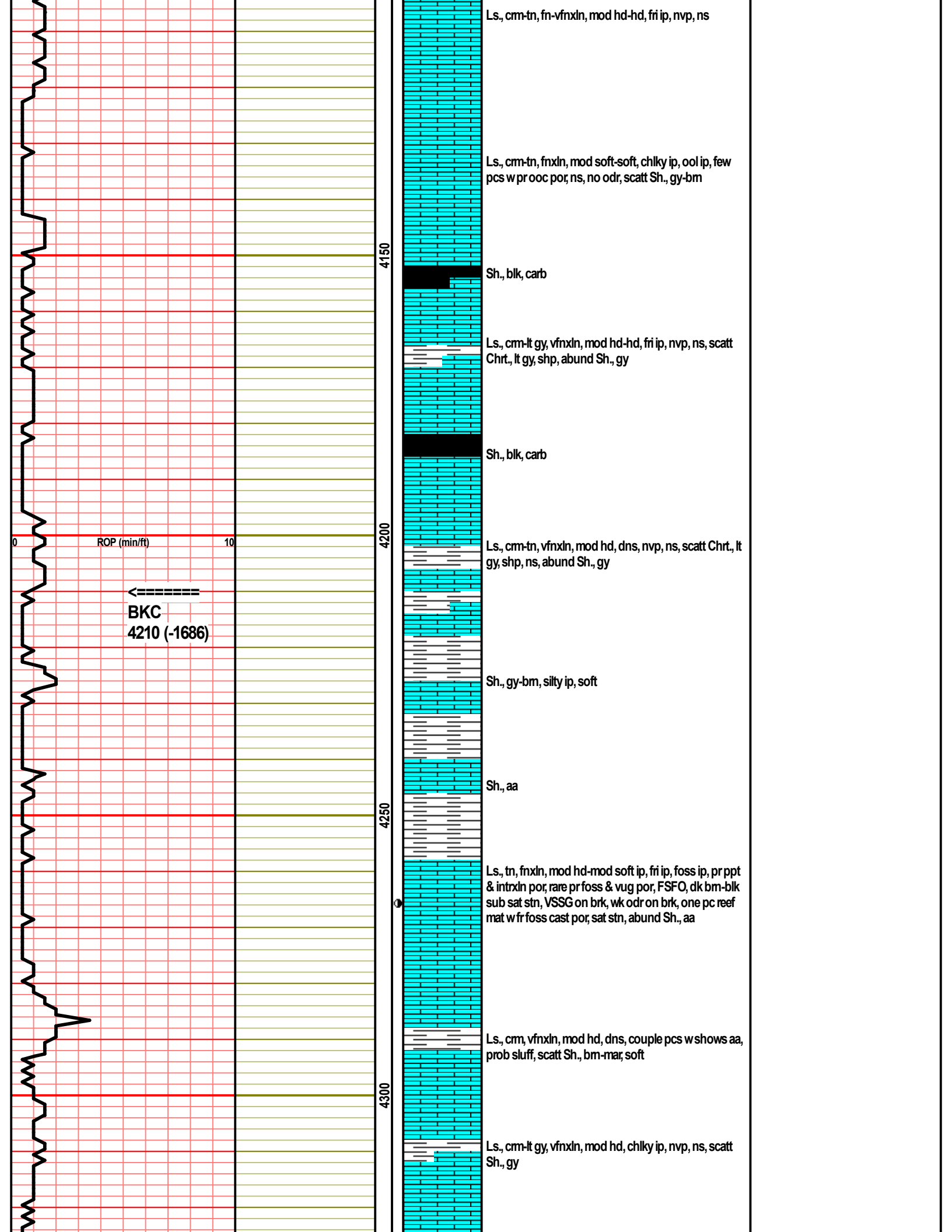
Sh., gy-lt gm-bm, soft ip

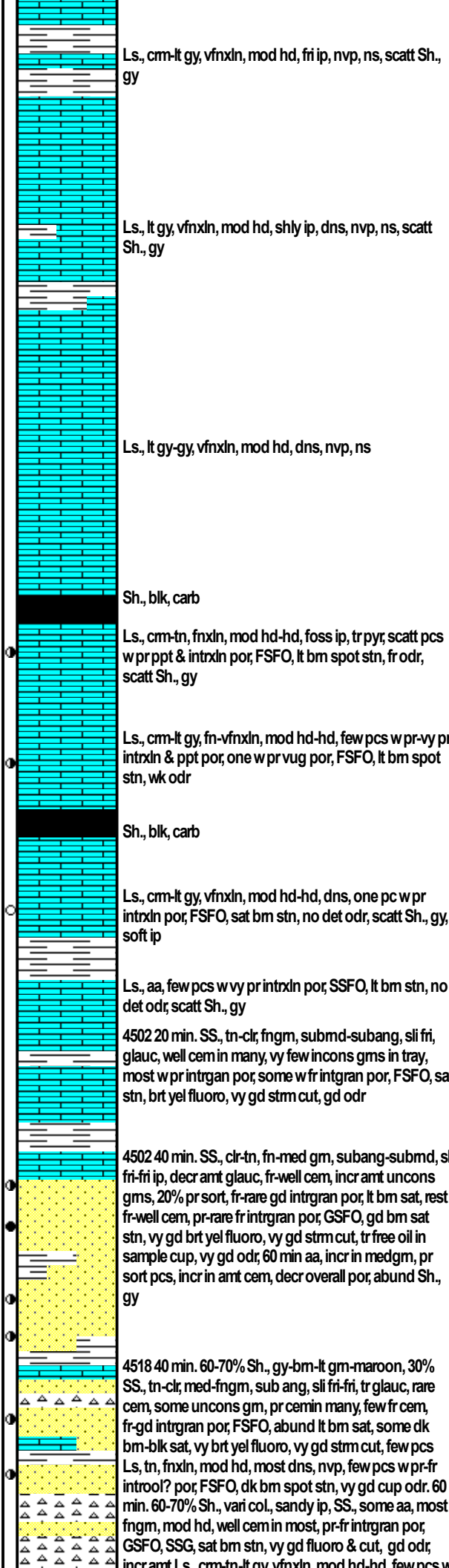
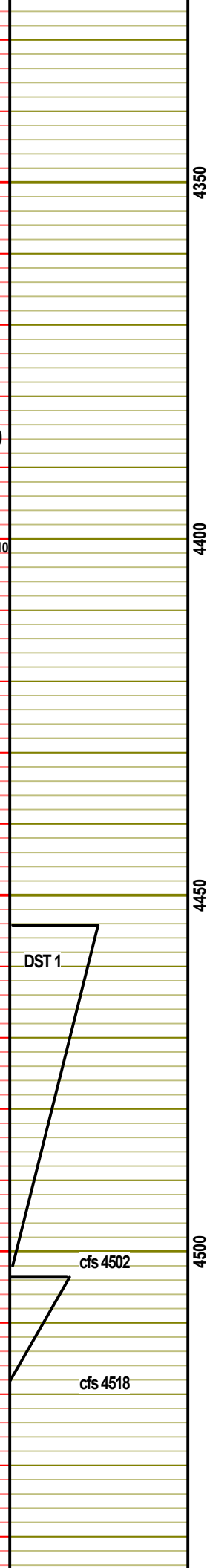
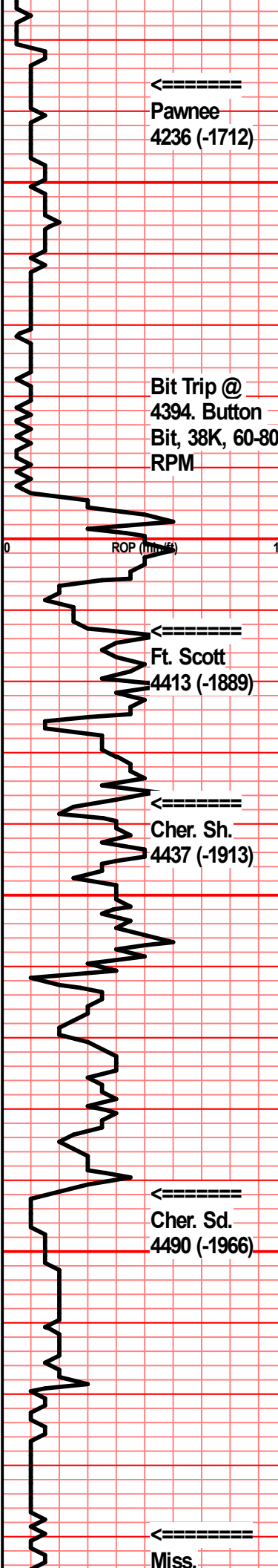
Ls., tn-cm, vfnxn, mod hd, chky ip, foss ip, nvp, ns, scatt Chrt., wht, shp, ns

Ls., tn, fnxn, mod hd, ool, fr-gd ooc por, ns, no odr

Ls., tn-lt gy, fn-vfnxn, mod hd, ool ip, pr ooc por, ns, no odr

Ls., cm-tn, fnxn, mod hd-mod soft ip, foss ip, 2 pcs w pr intrxn por, SSFO, lt bm sub sat str, no det odr, scatt Sh, dk gy





DST #1 4454-4502 (Cherokee Sand)

15-30-15-30
IF: BOB in 2 min, built to 65"
IS: Built to .6"
FF: BOB in 2 min, built to 89"
FS: Built to .5"

Recovery:
320' GIP
1200' GSMCO (20%G, 5%M, 75%O)
120' GMCO (30%G, 20%M, 50%O)

1320' TF

FP: 284-395; 364-532
SIP: 1311-1306
HP: 2286-2212

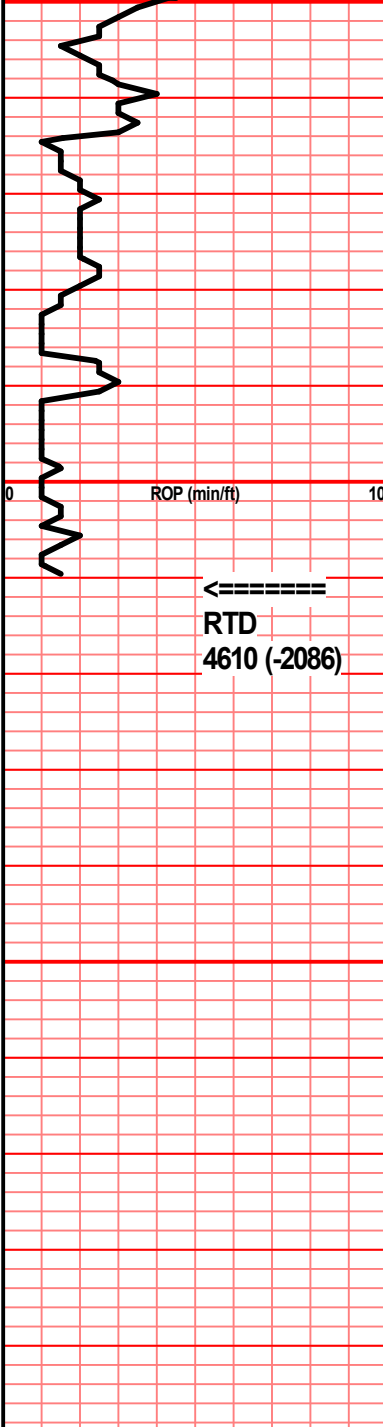
BHT: 125
Gravity: 37
Chlor: —

DST #2 4504-4518 (Cherokee Sand)

10-0-0-0
IF: BOB in 15 sec, built to 300"
Pulled tool

Recovery:
110' GIP
1780' GSMCO (20%G, 2%M, 78%O)
120' GOWCM (30%G, 20%O, 20%W, 30%M)

4540 (-2016)



4550
4600
4650
00



por & shows, aa

sample 4540-50. Sh., vari col., 20% SS., tn-gy-cm, med-fngm, pr sort, sub ang-sub md, mod hd-sli fri, few pcs well cem, vy pr-no vis por, most w fr intrgran por, SSFO, lt bm sat in few, dk bm-blk sat stn in many, gd odr, scatt Ls., aa, scatt Chrt., wht, shp, some weath/sli sandy pcs, nvp, ns in chrt

sample 4560. 50-60% Chrt., wht, trip ip, vy few pcs w pr vis por, VSSFO, bm spot stn, some Chrt., tn, shp, tr frags, nvp, ns, 20% SS., aa, 20-30% Sh., gy-bm, scatt Dol., cm, vfnxn, mod hd, dns, nvp, ns

sample 4570-80. 80% chrt., aa, ns, scatt Sh., gy, 4580' sample 20-30% Dol., cm-tn, vfnxn, mod hd, chky ip, nvp, ns

sample 4590-4600. 50-60% Chrt., wht-tn-clr, trip ip, ns, rest Dol., cm, vfnxn, mod hd, chky ip, dns, nvp, ns

Chrt., aa & Dol., aa

1900' TF

FP: 758-897
SIP: --
HP: 2289-2195

BHT: 127
Gravity: 36
Chlor: ---

←-----
RTD
4610 (-2086)

cfs 4610