

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: 8/17/2022
 Invoice #: 0362637
 Lease Name: Bearcat
 Well #: 1 (New)
 County: Gove, Ks
 Job Number: WP3241
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	22.500	4,500.00
Heavy Eq Mileage	130.000	4.000	520.00
Light Eq Mileage	65.000	2.000	130.00
Ton Mileage	611.000	1.500	916.50
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Cement Blending & Mixing	200.000	1.400	280.00
Service Supervisor	1.000	275.000	275.00

Total 7,621.50

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 #	Bearcat 1	Date	8/17/2022
Service District	Oakey KS	County & State	Gove KS	Legals S/T/R	15-15S-26W
Job Type	Surface	<input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Job #
Equipment #	Driver	Ticket # WP 3241			

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
527/235	Jimmie	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
528/520	Spencer	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
914	Hunter	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" 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 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
CP015	H-325	sack	200.00	\$4,500.00
M010	Heavy Equipment Mileage	mi	130.00	\$520.00
M015	Light Equipment Mileage	mi	65.00	\$130.00
M020	Ton Mileage	tm	611.00	\$916.50
D010	Depth Charge: 0'-500'	job	1.00	\$1,000.00
C060	Cement Blending & Mixing Service	sack	200.00	\$280.00
R061	Service Supervisor	day	1.00	\$275.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$7,621.50
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"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		Total Taxable	\$ -
		Tax Rate:	
		Sale Tax:	\$ -
		Total:	\$ 7,621.50
HSI Representative: <i>Jimmie Cottrell</i>			

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: Bearcat 1	Ticket: WP 3241
City, State: Oakley KS	County: Gove KS	Date: 8/17/2022
Field Rep: Deon	S-T-R: 15-15S-26W	Service: Surface

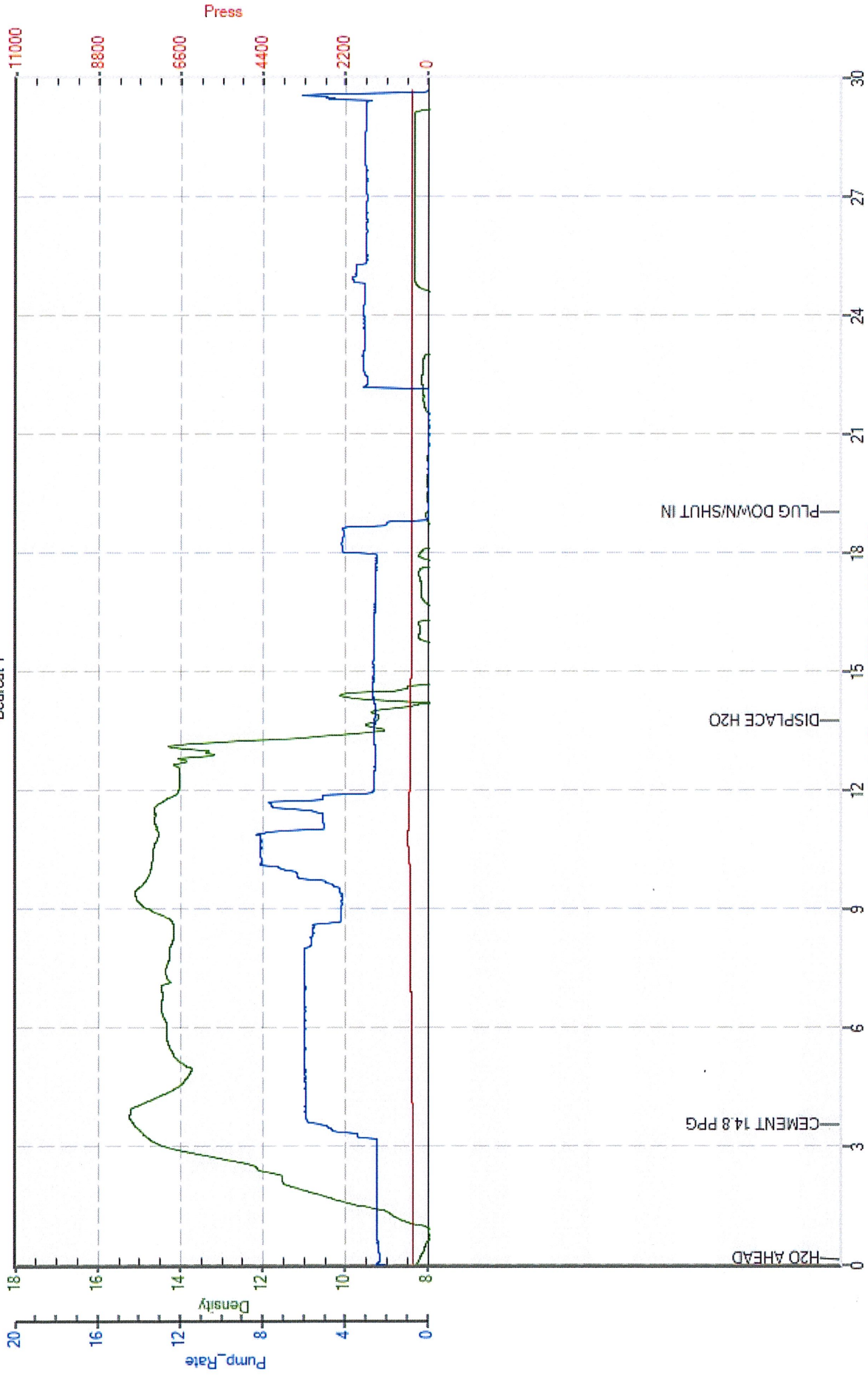
Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	12 1/4 in	Blend:	H-325	Blend:	
Hole Depth:	223 ft	Weight:	14.8 ppg	Weight:	ppg
Casing Size:	8 5/8 in	Water / Sx:	6.9 gal / sx	Water / Sx:	gal / sx
Casing Depth:	223 ft	Yield:	1.41 ft ³ / sx	Yield:	ft ³ / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	0.0735 bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	13.0 bbls	Total Slurry:	50.2 bbls	Total Slurry:	0.0 bbls
		Total Sacks:	200 sx	Total Sacks:	0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
1000P			-	-	ON LOCATION
1005P				-	SAFETY MEETING
1015P				-	RIG UP
1040P				-	GET WELL INFO: 212' 8 5/8 23# CASING (RACK VERIFIED) 11' LANDING JOINT
1110P				-	CASING ON BOTTOM
1115P				-	CIRCULATE MUD WITH RIG PUMP
1120P	3.0	150.0	5.0	5.0	H2O AHEAD
1124P	6.0	320.0	50.2	55.2	CEMENT 14.8 PPG (MUD SCALE VERIFIED)
1134P	4.0	300.0	13.0	68.2	DISPLACE H2O
1138P				68.2	SHUT IN/PLUG DOWN
1145P				68.2	WASH UP
1150P					RIG DOWN
1155P					LEFT LOCATION

CREW		UNIT	SUMMARY		
Cementer:	Jimmie	527/235	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Spencer	528/520	4.3 bpm	257 psi	68 bbls
Bulk #1:	Hunter	914			
Bulk #2:					

Palomino Petroleum

Bearcat 1





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



Invoice

DATE	INVOICE #
8/25/2022	34680

RECEIVED
 AUG 29 2022

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Bearcat	Lane	Duke Drlg	Oil	Development	5 1/2 Longstring	Preston
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	7.00	280.00
578D-L	Pump Charge - Long String				1	Job	1,600.00	1,600.00
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
403-5	5 1/2" Cement Basket				1	Each	300.00	300.00T
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	350.00	350.00T
409-5	5 1/2" Turbolizer				9	Each	100.00	900.00T
325	Standard Cement				100	Sacks	15.00	1,500.00T
284	Calseal				5	Sack(s)	50.00	250.00T
283	Salt				500	Lb(s)	0.25	125.00T
285	CFR-1				50	Lb(s)	6.00	300.00T
276	Flocele				75	Lb(s)	3.00	225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	19.50	2,437.50T
281	Mud Flush				500	Gallon(s)	2.00	1,000.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				460	Ton Miles	1.00	460.00
	Subtotal							13,153.50
	Sales Tax Lane County						7.50%	777.26
We Appreciate Your Business!							Total	\$13,930.76



CHARGE TO: *Palmino Petroleum*
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 34680

WELL/PROJECT NO. *#1*
 LEASE *Bearcat*
 COUNTY/PARISH *Lane*
 STATE *KS*
 CITY *location*

PAGE 1 OF 2

1. *Ness City*
 2. *OKe*
 3. *OKe*
 4. *Development*
 REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
575					Truck 112	410	mi				7.00	2800.00
578					Pump charge	1	Job				1600.00	1600.00
404					Port collar	1	ea	5'12"			2500.00	2500.00
403					Cement Basket	1	ea	5'12"			300.00	300.00
406					latch down plug & baffle	1	ea	5'12"			250.00	250.00
407					Insert Elbow shoe w/ Auto Fill	1	ea	5'12"			350.00	350.00
409					Turb blizers	9	ea	5'12"			100.00	900.00

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'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 X *[Signature]*

DATE SIGNED *8-25-22* TIME SIGNED *11:30* 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?
 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? YES NO

PAGE TOTAL *1* **TOTAL** *13920.76*

SWIFT OPERATOR *[Signature]* APPROVAL *[Signature]*

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

Thank You!



Services, Inc.

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

TICKET CONTINUATION

TICKET No. 34680

CUSTOMER *Palomino Petroleum*

WELL *Bearcat #1*

DATE *8-25-22* PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	UM		
325						STD cement	100	SKS	15.00	1500.00
284						Cal Seal	5	SKS	50.00	250.00
283						Salt	500	lbs	0.25	125.00
285						CFR-1	50	lbs	6.00	300.00
276						Floccle	75	lbs	3.00	225.00
330						5MD cement	125	SKS	19.50	2437.50
281						Mud Flush	500	gal	2.00	1000.00
221						Liquid KCL	4	gal	25.00	100.00
290						D-AIF	3	gal	43.00	126.00
581						CMT Service Charge	225	SKS	2.00	450.00
583						Drayage	2300	lbs	4.00	460.00
						SERVICE CHARGE				
						MILEAGE CHARGE				
						TOTAL WEIGHT				
						LOADED MILES				
						CUBIC FEET				
						TON MILES				

CONTINUATION TOTAL *6973.50*

JOB LOG

SWIFT Services, Inc.

DATE 8-25-26 PAGE NO. 1

CUSTOMER *Palomina Petroleum* WELL NO. *#1* LEASE *Bear Cat* JOB TYPE *long string 5 1/2"* TICKET NO. *34680*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	03:00							ON location 5 1/2" 14# RTD 4420' Set @ 4417' Shoe 42.25 PC 1896' collar #39 Basket 1939' pla #39 Turbo's 1, 4, 8, 9, 10, 108, 11, 12, 60
	06:30							Start 5 1/2" csg in well
	8:45							Circulate
	9:50	4	12			150		pump mud Flush
		4	20			150		KCL spacer
	10:00		19					plug RH 30SK MH 20SK
	10:15	4 1/2	29			200		SMD 75 SKS mixed
	10:20	3 1/2	24			150		EA2 100 SKS mixed
	10:30							wash out pump lines + drop plug
	10:35	6	0			250		start displacement
		6	75			300		lift pressure
		6	106			800		max lift
	10:55	4	107			1800		land plug
	11:05							
	11:05							Wash truck
	11:45							Job Complete Thanks! Preston, Kirby, Isaac
								125 SKS SMD 100 SKS EA2

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Bearcat
API: 15-063-22413-00-00
Location: 330 FNL - 330 FWL Sec.15 Twp.15S. R26W
License Number: 30742
Spud Date: 8/17/2021
Surface Coordinates:
Region: Kansas
Drilling Completed: 8/25/2021

Bottom Hole
Coordinates:
Ground Elevation (ft): 2431
Logged Interval (ft): 2700 To: T.D
Formation: Miss T.D.
Type of Drilling Fluid: Chemical Mud
K.B. Elevation (ft): 2439
Total Depth (ft): 4420

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: Keaton Jones
Company: Rockhound Petroleum, LLC
Address: 255 NE 30th
St. John KS 67576
(620)-546-4010

Well Tops Comparison

Lease: KB	Bearcat 2439			Lease: KB	Bollinger F1 2445	
Formation	Top	Datum	Strat Comp	Formation	Top	Datum
Anhy	1863	576	1	Anhy	1870	575
Heebner	3657	-1218	6	Heebner	3669	-1224
Toronto	3676	-1237	7	Toronto	3689	-1244
Lansing	3694	-1255	10	Lansing	3710	-1265
BKC	4000	-1561	1	BKC	4007	-1562
Pawnee	4143	-1704	4	Pawnee	4153	-1708
Fort Scott	4206	-1767	3	Fort Scott	4215	-1770
Cherokee	4234	-1795	0	Cherokee	4240	-1795
Miss Dol	4321	-1882	2	Miss Dol	4329	-1884
SAMPLE TOPS				LOG TOPS		
Anhy	1863	576		Anhy	1862	577
Heebner	3657	-1218		Heebner	3661	-1222
Toronto	3676	-1237		Toronto	3680	-1241
Lansing	3694	-1255		Lansing	3700	-1261
BKC	4000	-1561		BKC	3994	-1555
Pawnee	4143	-1704		Pawnee	4142	-1703
Fort Scott	4206	-1767		Fort Scott	4207	-1768
Cherokee	4234	-1795		Cherokee	4232	-1793
Miss Dol	4321	-1882		Miss Dol	4325	-1886
RTD	4420	-1981		LTD	4417	-1978



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 Newton, Ks 67114
 ATTN: Keaton Jones

15 15s 26w Gove, Ks
Bearcat #1
 Job Ticket: 69157 DST#: 1
 Test Start: 2022.08.21 @ 18:35:00

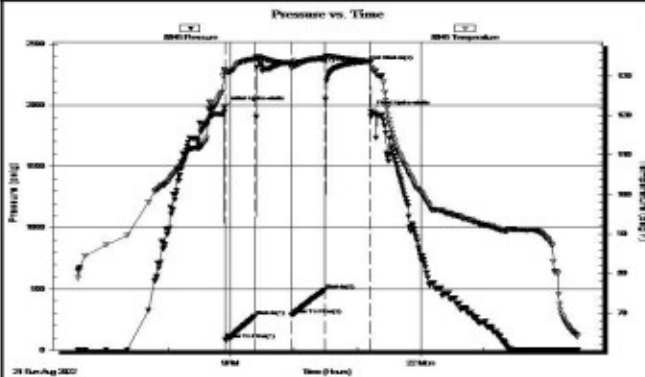
GENERAL INFORMATION:

Formation: **LKC- J**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 20:54:45
 Time Test Ended: 02:29:30
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Bradley Walter**
 Unit No: **78**
 Interval: **3891.00 ft (KB) To 3950.00 ft (KB) (TVD)**
 Total Depth: **3950.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Reference Elevations: **2439.00 ft (KB)**
2431.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8845

Press@RunDepth: **490.93 psig @** ft (KB)
 Start Date: **2022.08.21** End Date: **2022.08.22**
 Start Time: **18:35:05** End Time: **02:29:29**
 Capacity: **8000.00 psig**
 Last Calb.: **2022.08.22**
 Time On Btm: **2022.08.21 @ 20:54:15**
 Time Off Btm: **2022.08.21 @ 23:12:30**

TEST COMMENT: **F: BOB @ 3 min.- 68***
ISt No return.
FF: BOB @ 5 min. 36*
FSt No return. 30-30-30-30



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.14	131.58	Initial Hydro-static
1	85.85	130.53	Open To Flow (1)
29	277.59	134.30	Shut-in(1)
63	2339.50	133.15	End Shut-in(1)
64	290.43	132.06	Open To Flow (2)
95	490.93	134.56	Shut-in(2)
138	2358.63	133.71	End Shut-in(2)
139	1951.11	133.53	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
630.00	smow 2m 98w (oil spots)	8.84
400.00	gmw co 30g 10m 30w 30o	5.61
0.00	300' GP	0.00

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)

TriLOBite Testing, Inc

Ref. No: 69157

Printed: 2022.08.22 @ 07:13:25

ROCK TYPES

	Anhy		Coal		Lmst		Shcol		Cfs
	Bent		Congl		Meta		Shgy		
	Brec		Dol		Mrlst		Slst		
	Cht		Gyp		Salt		Ss		
	Clyst		Ign		Shale		Till		

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau

- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite

- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst

- Siltstrg
- Ssstrg

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint

- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

- Even
- Spotted
- Ques

EVENT

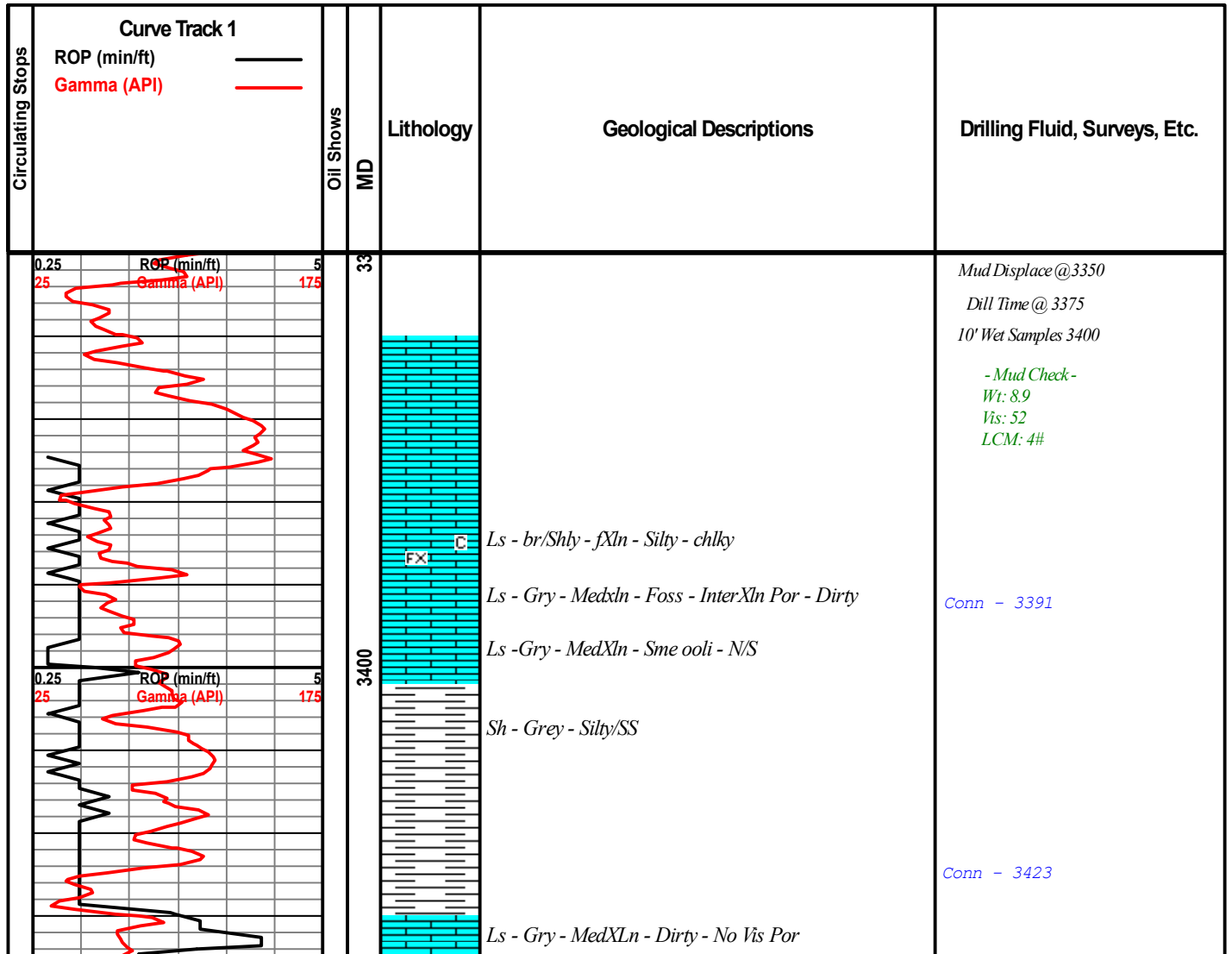
- Rft
- Sidewall

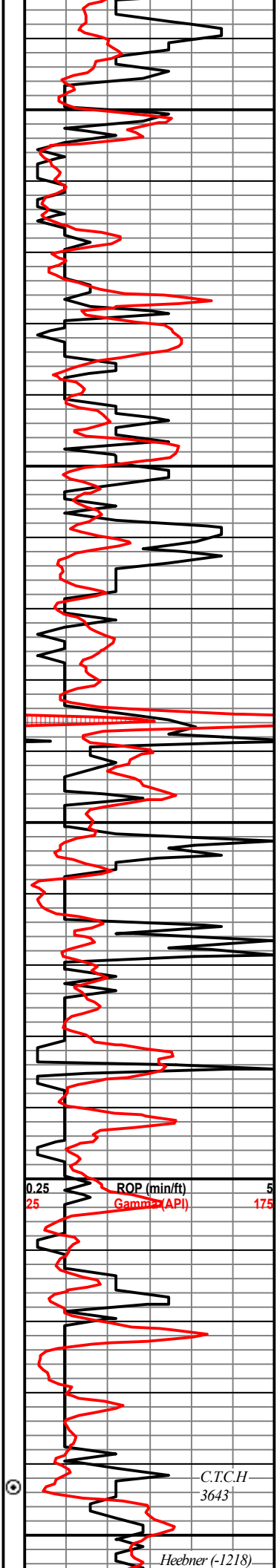
OIL SHOW

- Cfs

INTERVAL

- Core
- Dst 2
- Dst





3450 Ls - Wht - fXln - Sme Oolites Sme Vuggy Por - N/S

Ls - Grey - MedXln - Sme IntrXln wht Por - N/S

Ls - Br - MedXln - InterXln Por - Sme Vuggy Sme Ooli - Sli Shly - N/S

Ls - Br/wht - fMedXln - Sme Vug - Sme Oolic - Sme Chlky - Abundt Sm - N/S N/O

Sh - Gry

CH - Blue/Gry - Dse - Translu

Ls - Br - MedXln W/ InterXln Por - Withrd sli vuggy - N/S

Ls - Br - fXln - No Vis Por

Ls - Br - fXln - InterXln Por - Sme Stn - N/S

Ls - Gry - MedXln - IntrXln Por - Foss - Sting - N/S N/O

Ls - tan - fXln - Highly oolit - dse - N/S

Ls - br - d/MedXln - Highly Ooli-Oolic Por - Sme intrbed Xln Por - N/S N/O

Ls - Br - fXln - Highly Oolit Sme Vug - foss - N/S

Ls - wht - NoXln - Chalky

Ls - Gry - Chrty - FXln - Foss - N/S

Ls - Br - fXln - InterXln Por - sme Vuggy - Foss - Fairly Dse - N/S

Ls - Br - MedXln Good InterXln Por - N/S

Ls - Wht - fXln - Sli InterXln Por - Sli Chalk - N/S

Ls - tan - MedXln - Abundant Stainging - Faint Odor - N/Free Oil

Conn 3454

Conn - 3485

- Rig Check -

Conn - 3517

Conn - 3550

- Mud Check -
Wt: 8.9
Vis: 52

Conn - 3581

Conn - 3614

C.T.C.H@ 3643 Kelly Down - Bit Trip

Conn - 3643

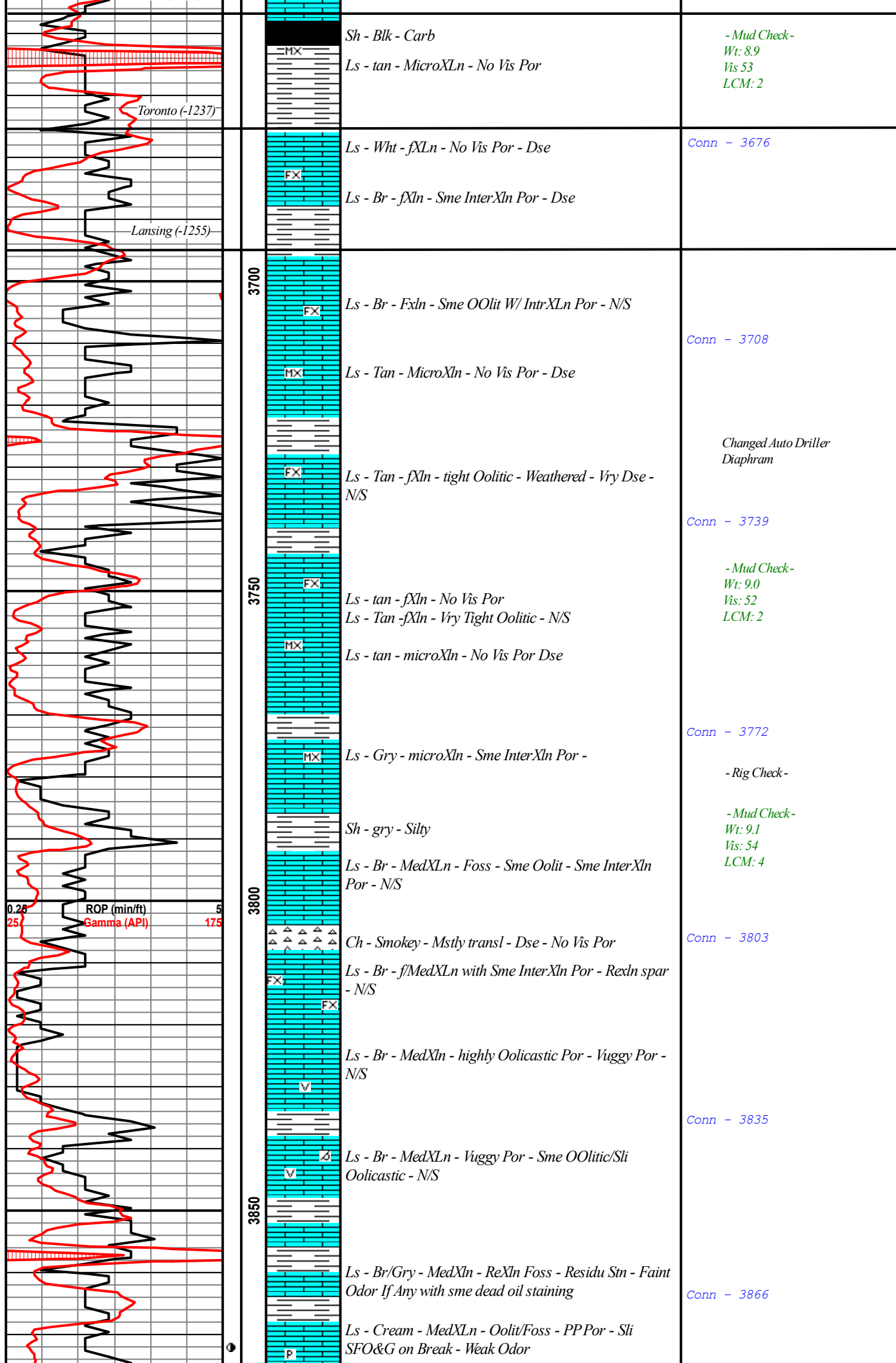
Strap = 1.02 short

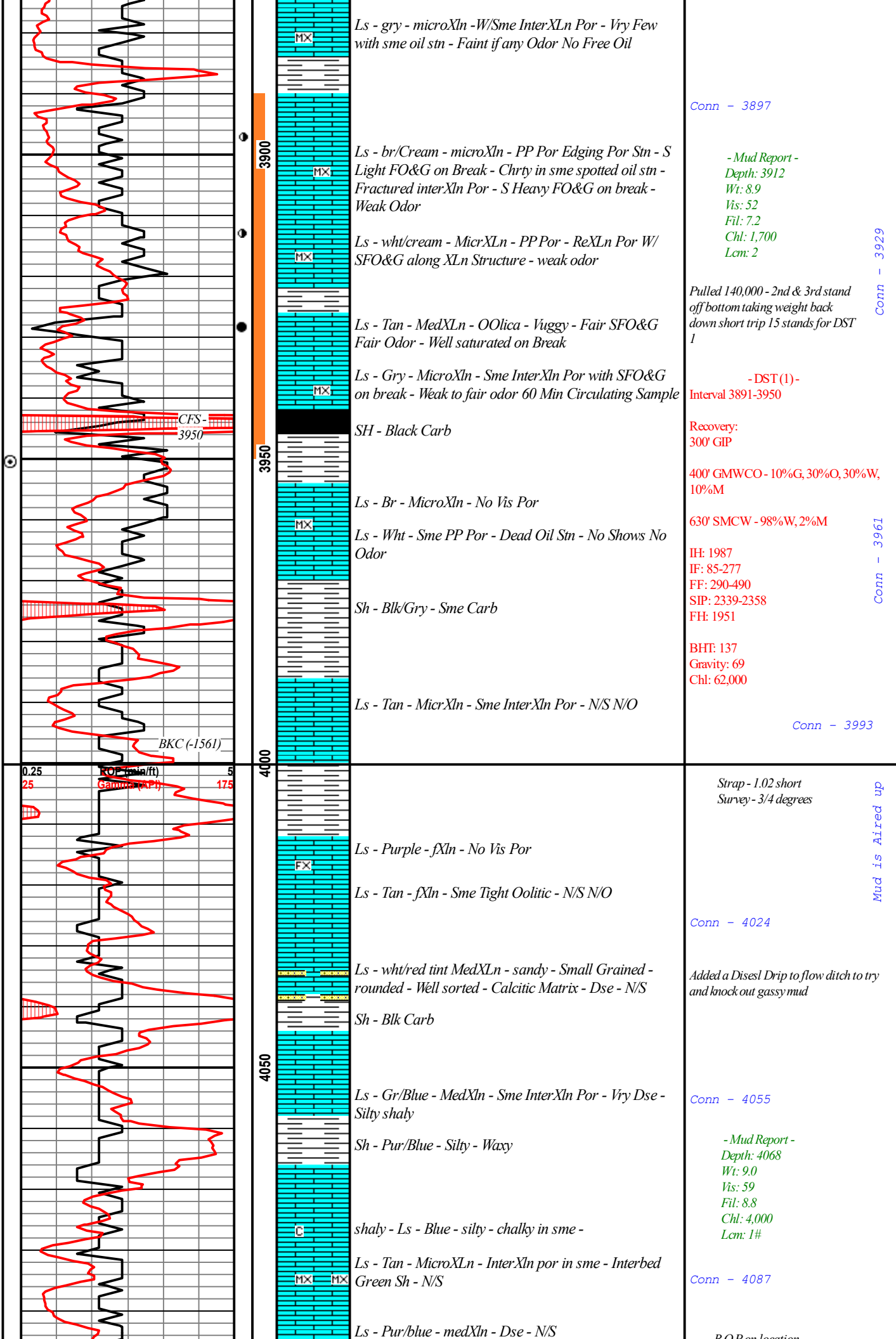
Survey - 3/4 deviated

0.25 ROP (min/ft) 5
25 Gamma (API) 175

C.T.C.H - 3643

Heebner (-1218)





Ls - gry - microXln - W/Sme InterXln Por - Vry Few with sme oil stn - Faint if any Odor No Free Oil

Conn - 3897

Ls - br/Cream - microXln - PP Por Edging Por Stn - S Light FO&G on Break - Chrtly in sme spotted oil stn - Fractured interXln Por - S Heavy FO&G on break - Weak Odor

-Mud Report -
Depth: 3912
Wt: 8.9
Vis: 52
Fil: 7.2
Chl: 1,700
Lcm: 2

Ls - wht/cream - MicrXln - PP Por - ReXln Por W/ SFO&G along Xln Structure - weak odor

Pulled 140,000 - 2nd & 3rd stand off bottom taking weight back down short trip 15 stands for DST 1

Ls - Tan - MedXln - OOlica - Vuggy - Fair SFO&G Fair Odor - Well saturated on Break

-DST(1)-
Interval 3891-3950

Ls - Gry - MicroXln - Sme InterXln Por with SFO&G on break - Weak to fair odor 60 Min Circulating Sample

Recovery:
300' GIP

SH - Black Carb

400' GMWCO - 10%G, 30%O, 30%W, 10%M

Ls - Br - MicroXln - No Vis Por

630' SMCW - 98%W, 2%M

Ls - Wht - Sme PP Por - Dead Oil Stn - No Shows No Odor

IH: 1987
IF: 85-277
FF: 290-490
SIP: 2339-2358
FH: 1951

Sh - Blk/Gry - Sme Carb

BHT: 137
Gravity: 69
Chl: 62,000

Ls - Tan - MicrXln - Sme InterXln Por - N/S N/O

Conn - 3993

Strap - 1.02 short
Survey - 3/4 degrees

Ls - Purple - fXln - No Vis Por

Mud is Aired up

Ls - Tan - fXln - Sme Tight Oolitic - N/S N/O

Conn - 4024

Ls - wht/red tint MedXln - sandy - Small Grained - rounded - Well sorted - Calcitic Matrix - Dse - N/S

Added a Disesl Drip to flow ditch to try and knock out gassy mud

Sh - Blk Carb

Conn - 4055

Ls - Gr/Blue - MedXln - Sme InterXln Por - Vry Dse - Silty shaly

-Mud Report -
Depth: 4068
Wt: 9.0
Vis: 59
Fil: 8.8
Chl: 4,000
Lcm: 1#

Sh - Pur/Blue - Silty - Waxy

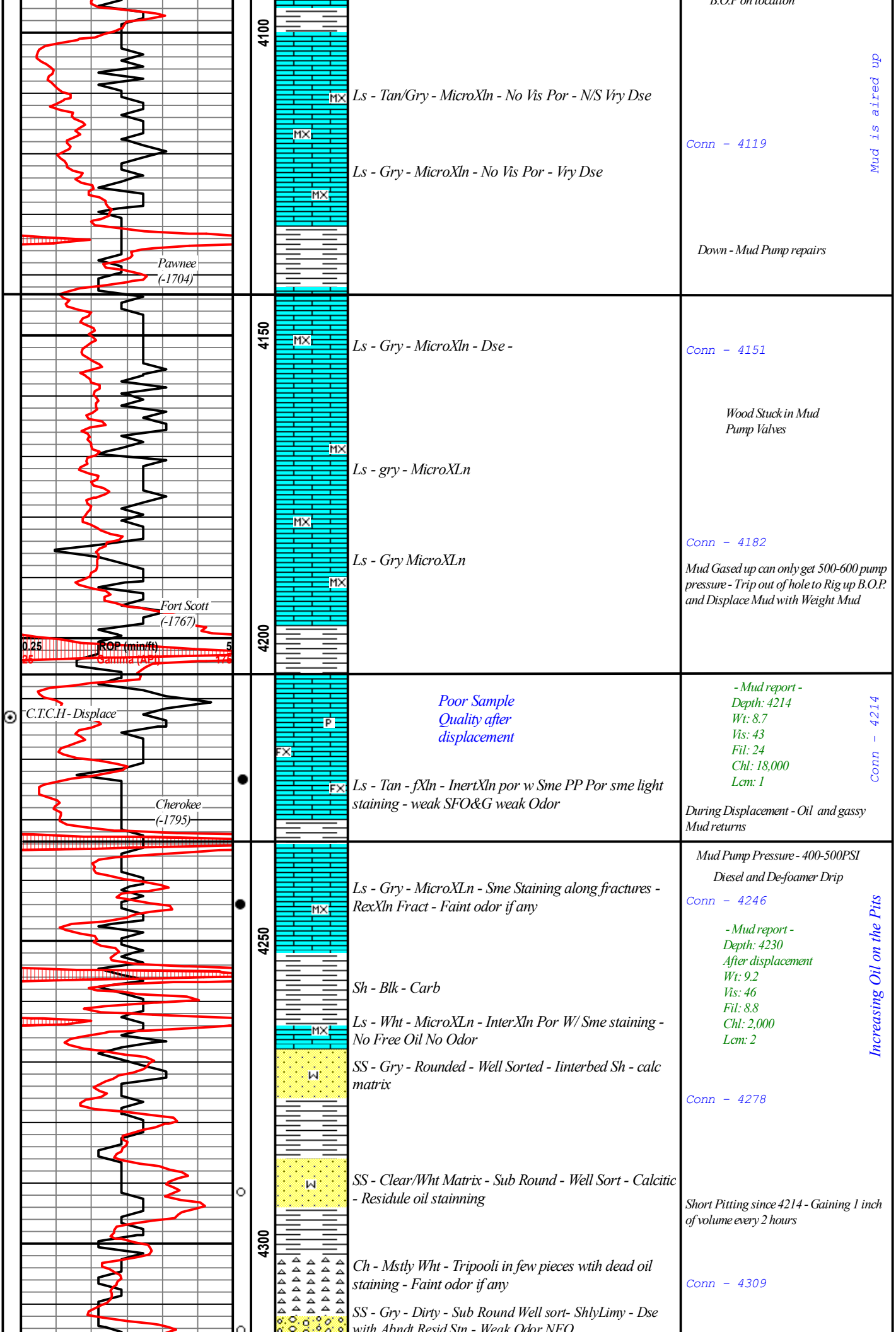
shaly - Ls - Blue - silty - chalky in sme -

Conn - 4087

Ls - Tan - MicroXln - InterXln por in sme - Interbed Green Sh - N/S

Ls - Pur/blue - medXln - Dse - N/S

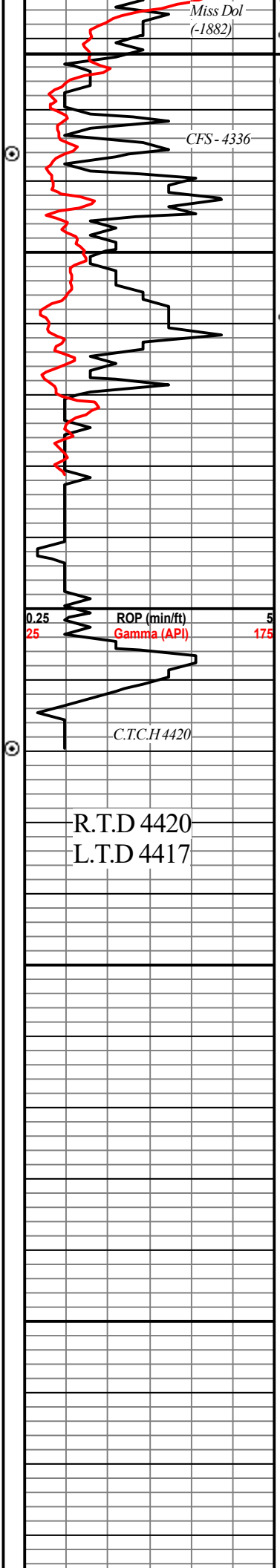
BOP location



4100
4150
4200
4250
4300

Ls - Tan/Gry - MicroXln - No Vis Por - N/S Vry Dse
Ls - Gry - MicroXln - No Vis Por - Vry Dse
Ls - Gry - MicroXln - Dse -
Ls - gry - MicroXln
Ls - Gry MicroXln
Ls - Tan - fXln - InertXln por w Sme PP Por sme light staining - weak SFO&G weak Odor
Ls - Gry - MicroXln - Sme Staining along fractures - RexXln Fract - Faint odor if any
Sh - Blk - Carb
Ls - Wht - MicroXln - InterXln Por W/ Sme staining - No Free Oil No Odor
SS - Gry - Rounded - Well Sorted - Interbed Sh - calc matrix
SS - Clear/Wht Matrix - Sub Round - Well Sort - Calcitic - Residue oil staining
Ch - Mstly Wht - Tripooli in few pieces with dead oil staining - Faint odor if any
SS - Gry - Dirty - Sub Round Well sort - ShlyLimy - Dse with Abndt Resid Stn - Weak Odor NFO

Conn - 4119
Down - Mud Pump repairs
Mud is aired up
Conn - 4151
Wood Stuck in Mud Pump Valves
Conn - 4182
Mud Gased up can only get 500-600 pump pressure - Trip out of hole to Rig up B.O.P. and Displace Mud with Weight Mud
- Mud report -
Depth: 4214
Wt: 8.7
Vis: 43
Fil: 24
Chl: 18,000
Lcm: 1
Conn - 4214
During Displacement - Oil and gassy Mud returns
Mud Pump Pressure - 400-500PSI
Diesel and De-foamer Drip
Conn - 4246
- Mud report -
Depth: 4230
After displacement
Wt: 9.2
Vis: 46
Fil: 8.8
Chl: 2,000
Lcm: 2
Conn - 4278
Short Pitting since 4214 - Gaining 1 inch of volume every 2 hours
Conn - 4309
Increasing Oil on the Pits



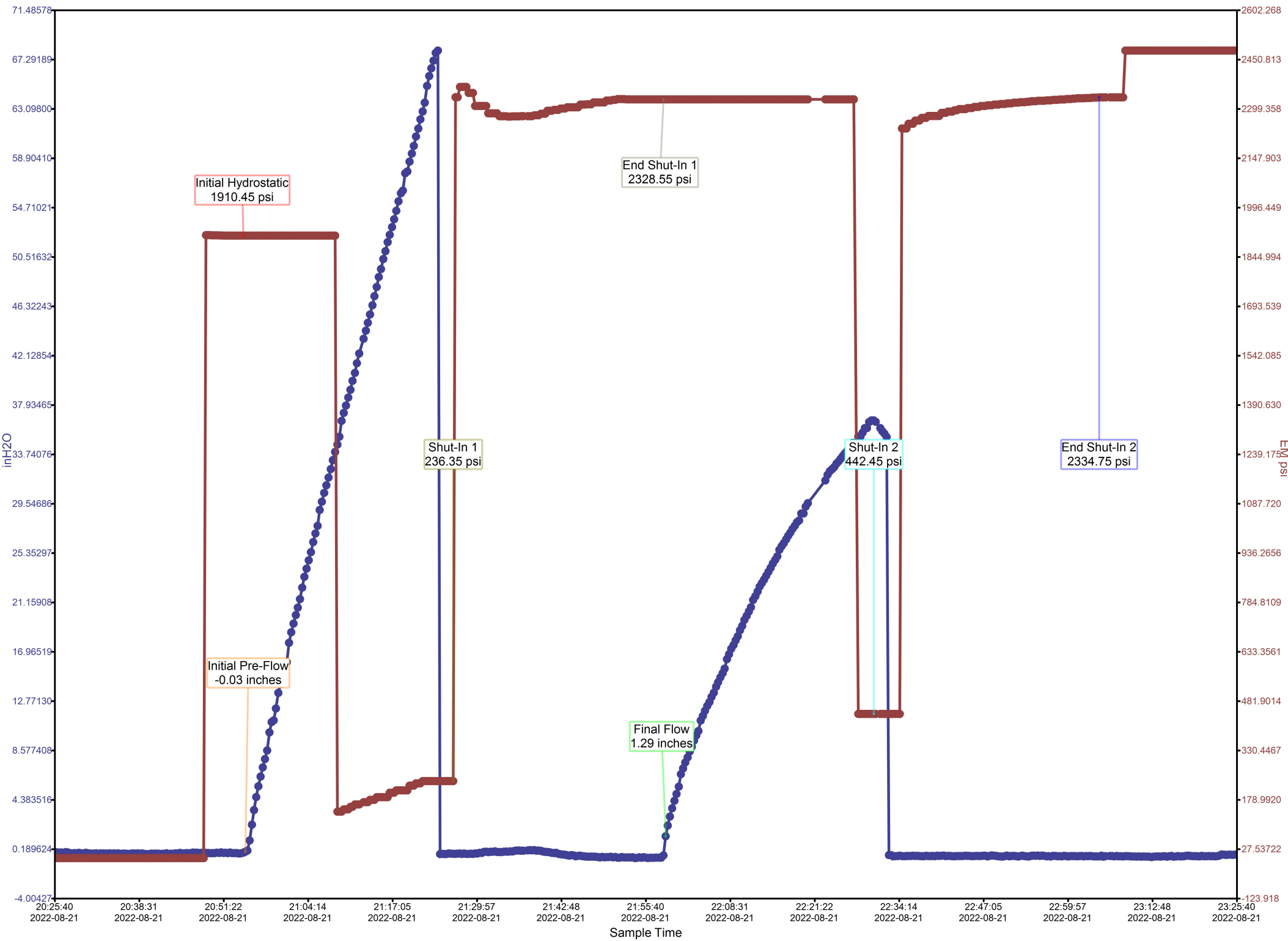
4350
 4400
 4450
 4500

Ch/SS/LS - mstly tan - Fract interXLn por Sme tripool - light oil staining - fair odor
 Dol - Tan - Sucrosic in sme -mstly Vuggy - fair sat - SFO&G strong Odor - relatively Dse
 Ch - Transp - Dse - abundant light oil staining along frac - no free oil - Strong odor
 Dol - tan - fXln - Sucrosic in Sme - Interbed Green Sh - NSFO - Strong Odor
 Dol -tan - MicroXLn - Interbed Green Shl - No Vis Por
 Ch - yellow - scat oolic vugs oil stained - SFO&G - Faint Odor
 Ch - Tranl W/ Blue tint - Sme Foss - Sme Vuggy - No Oil Staining N/S
 Ch - Transl with a blue tint - Foss in sme oolit in sme - N/S N/O
 Ch - mstly transl - sme transp - No Vis Por
 Sh - Gry with Green Striations - chrty with abundt pyrite
 Ch - cream - Interbed Green Shales W/ Pyrite - Weathered

Pits gained - 6 inches fluid over daylight
 Conn - 4341
 -Mud Check-
 Wt: 9.3
 Vis: 42
 Pis gained 1/2 inch over 3 hours
 Conn - 4373
 Conn - 4405
 -Mud Check-
 Wt: 9.3
 Vis: 43
 C.T.C.H - (2 HRS)
 Mud Pump Pressure - 350-450 PSI

R.T.D 4420
 L.T.D 4417

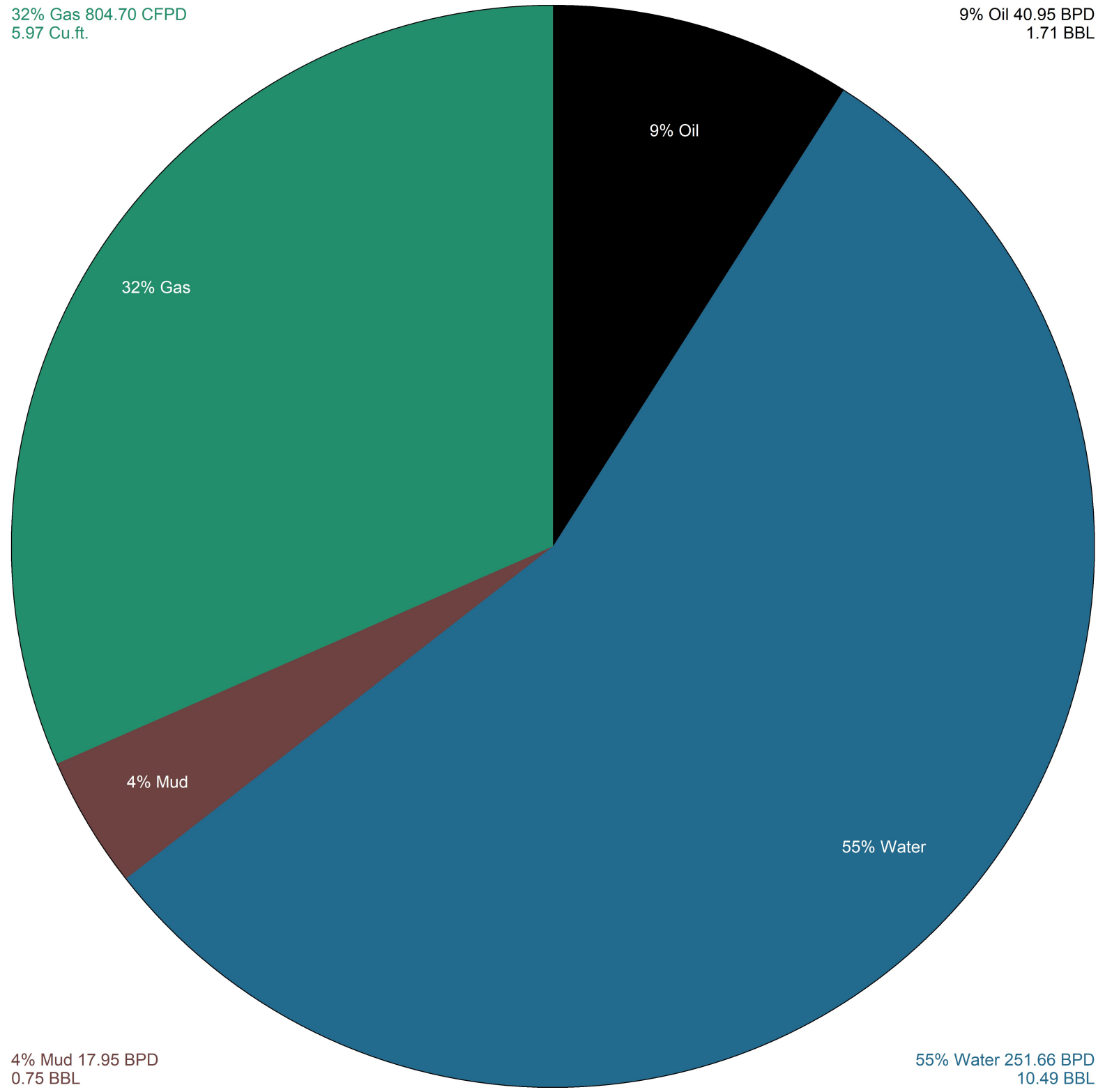
Palomino Petroleum - Bearcat 1 - DST #1



Calculated Recovery Analysis - Palomino Petroleum - Bearcat 1 - DST #1

32% Gas 804.70 CFPD
5.97 Cu.ft.

9% Oil 40.95 BPD
1.71 BBL



32% Gas

9% Oil

55% Water

4% Mud

4% Mud 17.95 BPD
0.75 BBL

55% Water 251.66 BPD
10.49 BBL



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

15 15s 26w Gove, Ks

4924 SE 84th St
New ton, Ks 67114

Bearcat #1

Job Ticket: 69157

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.08.21 @ 18:35:00

GENERAL INFORMATION:

Formation: **LKC- J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:54:45

Time Test Ended: 02:29:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 3891.00 ft (KB) To 3950.00 ft (KB) (TVD)

Reference Elevations: 2439.00 ft (KB)

Total Depth: 3950.00 ft (KB) (TVD)

2431.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8845

Press@RunDepth: 490.93 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.08.21

End Date:

2022.08.22

Last Calib.:

2022.08.22

Start Time: 18:35:05

End Time:

02:29:29

Time On Btm:

2022.08.21 @ 20:54:15

Time Off Btm:

2022.08.21 @ 23:12:30

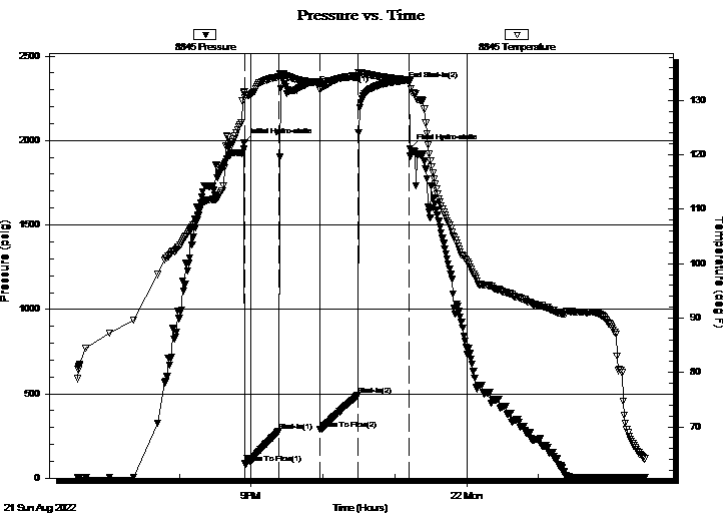
TEST COMMENT: IF: BOB @ 3 min. - 68"

IS: No return.

FF: BOB @ 5 min. 36"

FS: No return.

30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.14	131.58	Initial Hydro-static
1	85.85	130.53	Open To Flow (1)
29	277.59	134.30	Shut-In(1)
63	2339.50	133.15	End Shut-In(1)
64	290.43	132.06	Open To Flow (2)
95	490.93	134.56	Shut-In(2)
138	2358.63	133.71	End Shut-In(2)
139	1951.11	133.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
630.00	smcw 2m 98w (oil spots)	8.84
400.00	gmw co 30g 10m 30w 30o	5.61
0.00	300' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum

15 15s 26w Gove, Ks

4924 SE 84th St
New ton, Ks 67114

Bearcat #1

ATTN: Keaton Jones

Job Ticket: 69157

DST#: 1

Test Start: 2022.08.21 @ 18:35:00

GENERAL INFORMATION:

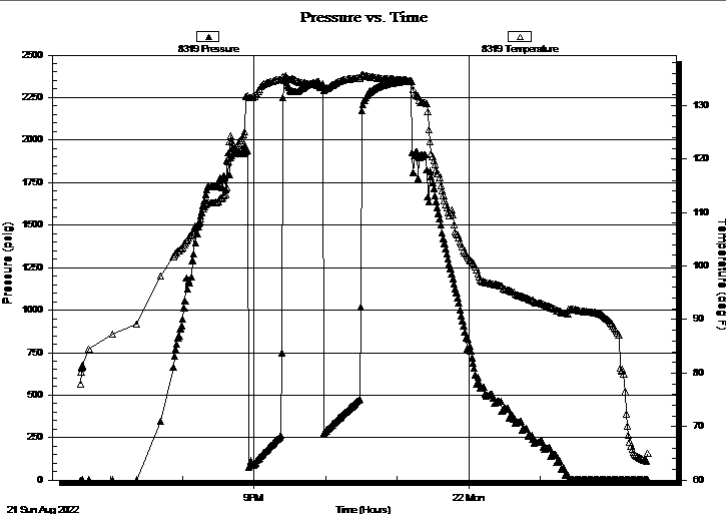
Formation: LKC- J		Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock:	ft (KB)	Tester: Bradley Walter
Time Tool Opened: 20:54:45		Unit No: 78
Time Test Ended: 02:29:30		Reference Elevations: 2439.00 ft (KB)
Interval: 3891.00 ft (KB) To 3950.00 ft (KB) (TVD)		2431.00 ft (CF)
Total Depth: 3950.00 ft (KB) (TVD)		KB to GR/CF: 8.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good	

Serial #: 8319

Inside

Press@RunDepth:	psig @	3892.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2022.08.21	End Date:	2022.08.22	Last Calib.: 1899.12.30
Start Time:	18:35:05	End Time:	02:29:29	Time On Btm:
				Time Off Btm:

TEST COMMENT: IF: BOB @ 3 min. - 68"
IS: No return.
FF: BOB @ 5 min. 36"
FS: No return. 30-30-30-30



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
630.00	smcw 2m 98w (oil spots)	8.84
400.00	gmw co 30g 10m 30w 30o	5.61
0.00	300' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

15 15s 26w Gove, Ks

4924 SE 84th St
New ton, Ks 67114

Bearcat #1

Job Ticket: 69157

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.08.21 @ 18:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

62000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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
630.00	smcw 2m 98w (oil spots)	8.837
400.00	gmw co 30g 10m 30w 30o	5.611
0.00	300' GIP	0.000

Total Length: 1030.00 ft Total Volume: 14.448 bbl

Num Fluid Samples: 0

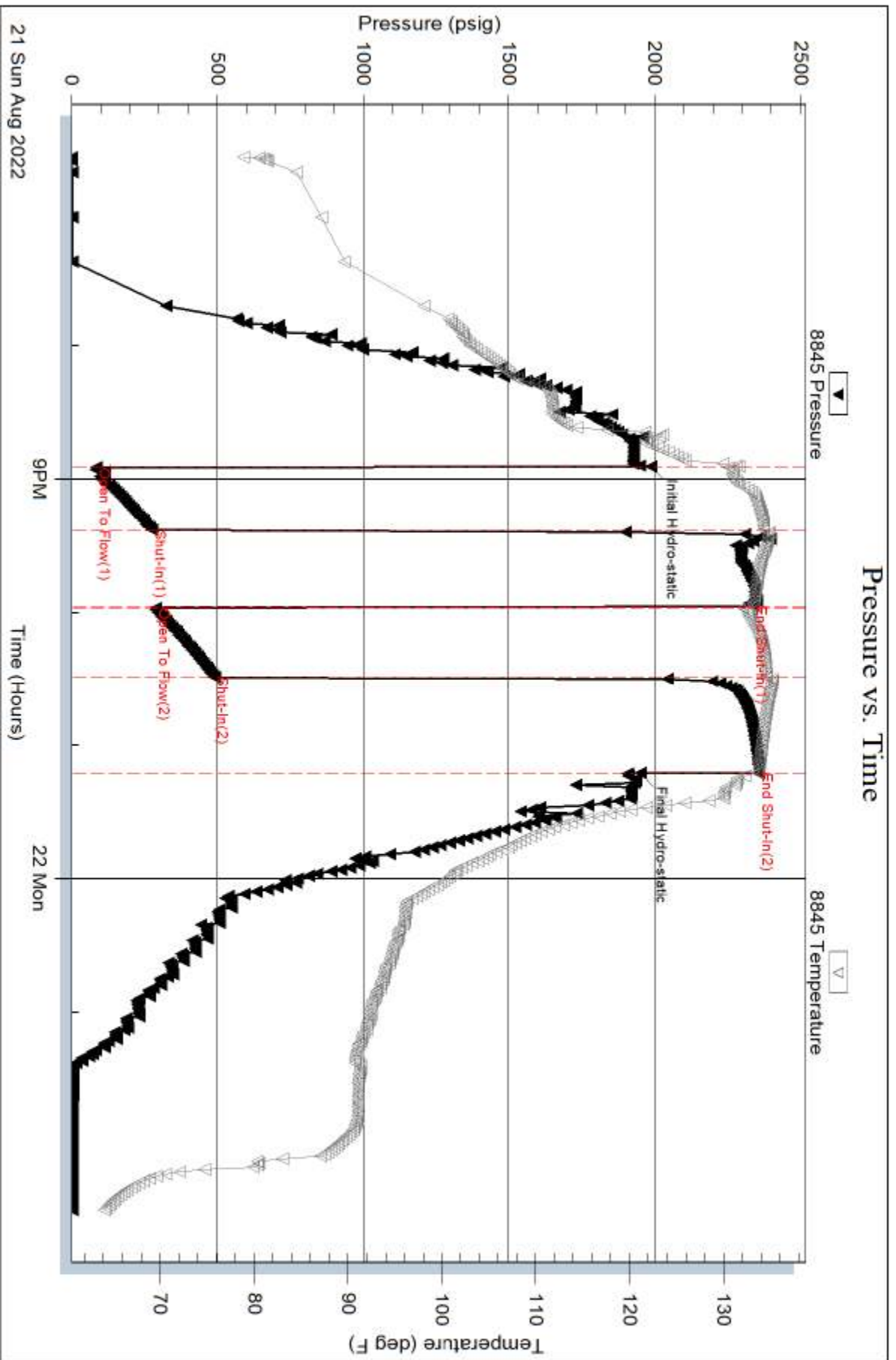
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .126 @ 69f = 62000ppm



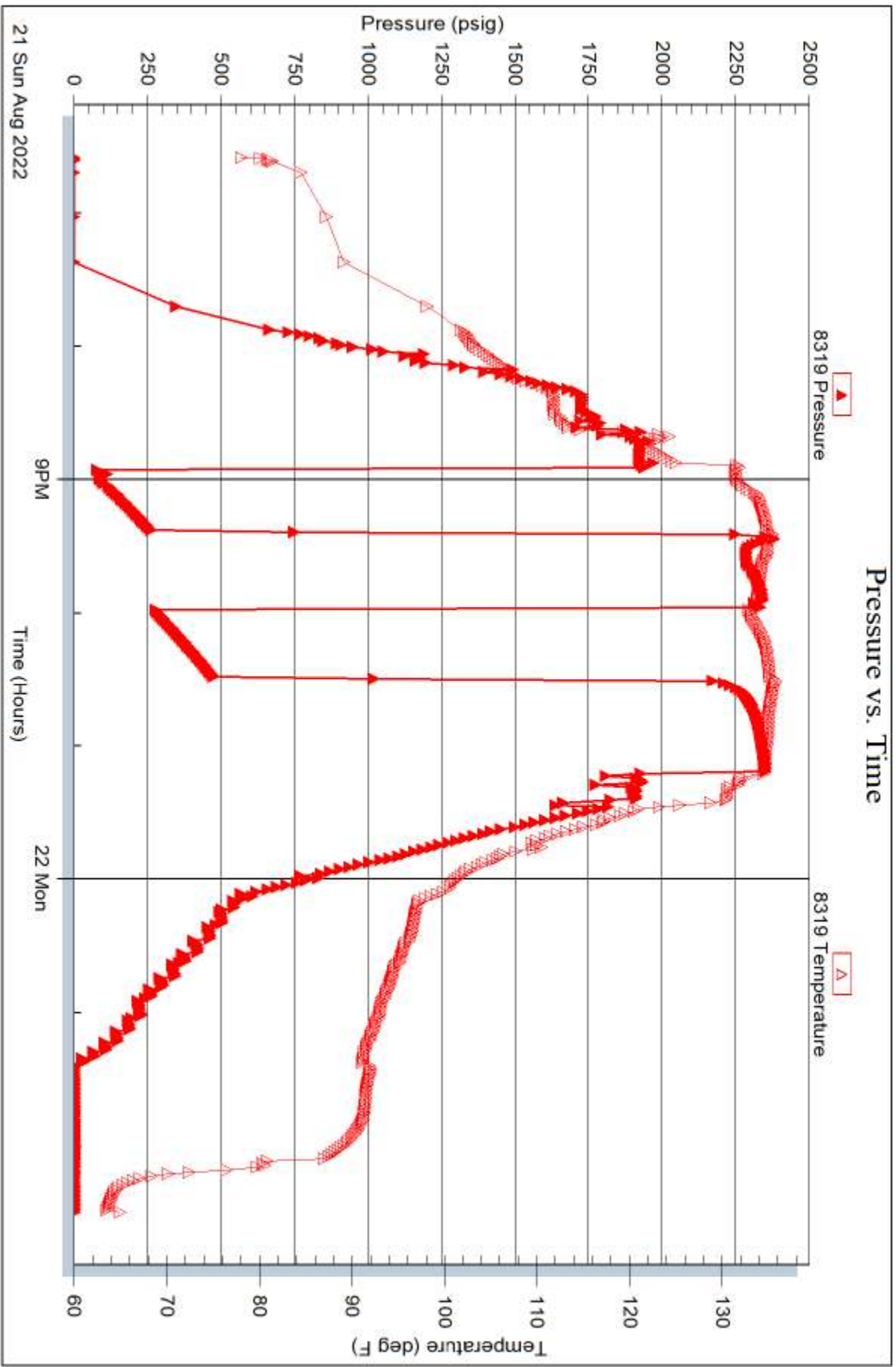
Serial #: 8319

Inside

Palomino Petroleum

Bearcat #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Keaton Jones

Bearcat #1

15-15s-26w Gove,KS

Start Date: 2022.08.21 @ 18:35:00

End Date: 2022.08.22 @ 02:29:30

Job Ticket #: 69157 DST #: 1

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

Printed: 2022.08.26 @ 09:09:16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

15-15s-26w Gove,KS

4924 SE 84th St
New ton, KS 67114

Bearcat #1

Job Ticket: 69157

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.08.21 @ 18:35:00

GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:54:45

Time Test Ended: 02:29:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 3891.00 ft (KB) To 3950.00 ft (KB) (TVD)

Reference Elevations: 2439.00 ft (KB)

Total Depth: 3950.00 ft (KB) (TVD)

2431.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8845 Outside

Press@RunDepth: 490.93 psig @ 3892.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.08.21

End Date:

2022.08.22

Last Calib.:

2022.08.22

Start Time: 18:35:05

End Time:

02:29:29

Time On Btm:

2022.08.21 @ 20:54:15

Time Off Btm:

2022.08.21 @ 23:12:30

TEST COMMENT: IF: BOB @ 3 min. - 68"

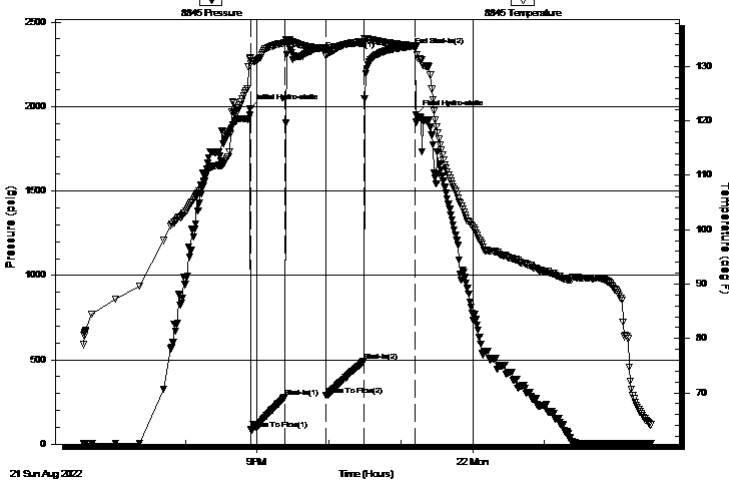
IS: No return.

FF: BOB @ 5 min. 36"

FS: No return.

30-30-30-30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.14	131.58	Initial Hydro-static
1	85.85	130.53	Open To Flow (1)
29	277.59	134.30	Shut-In(1)
63	2339.50	133.15	End Shut-In(1)
64	290.43	132.06	Open To Flow (2)
95	490.93	134.56	Shut-In(2)
138	2358.63	133.71	End Shut-In(2)
139	1951.11	133.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
630.00	smcw 2m 98w (oil spots)	8.84
400.00	gmw co 30g 10m 30w 30o	5.61
0.00	300' GIP	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Palomino Petroleum

15-15s-26w Gove,KS

4924 SE 84th St
New ton, KS 67114

Bearcat #1

Job Ticket: 69157

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.08.21 @ 18:35:00

GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 20:54:45

Tester: Bradley Walter

Time Test Ended: 02:29:30

Unit No: 78

Interval: 3891.00 ft (KB) To 3950.00 ft (KB) (TVD)

Reference Elevations: 2439.00 ft (KB)

Total Depth: 3950.00 ft (KB) (TVD)

2431.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8319 Inside

Press@RunDepth: psig @ 3892.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.08.21

End Date: 2022.08.22

Last Calib.: 1899.12.30

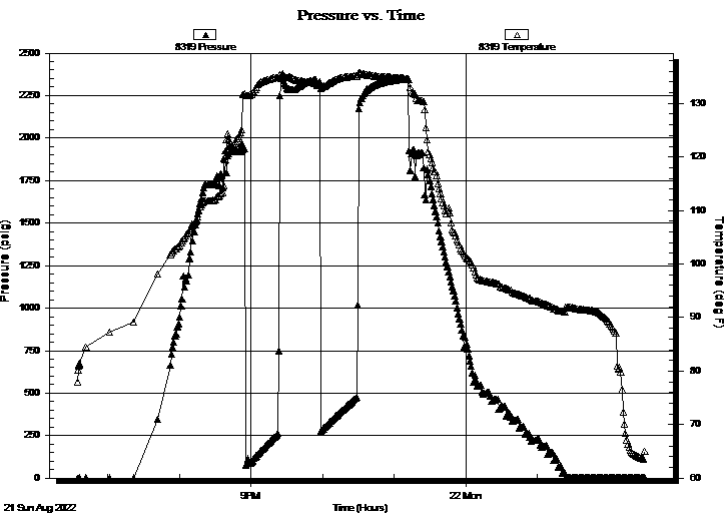
Start Time: 18:35:05

End Time: 02:29:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 3 min. - 68"
IS: No return.
FF: BOB @ 5 min. 36"
FS: No return. 30-30-30-30



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
630.00	smcw 2m 98w (oil spots)	8.84
400.00	gmw co 30g 10m 30w 30o	5.61
0.00	300' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

15-15s-26w Gove,KS

4924 SE 84th St
New ton, KS 67114

Bearcat #1

Job Ticket: 69157

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.08.21 @ 18:35:00

Tool Information

Drill Pipe:	Length: 3864.00 ft	Diameter: 3.80 inches	Volume: 54.20 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 54.20 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3891.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	59.00 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			3862.00	
Shut In Tool	5.00			3867.00	
Hydraulic tool	5.00			3872.00	
Jars	5.00			3877.00	
EM Tool	3.00			3880.00	
Safety Joint	2.00			3882.00	
Packer	5.00			3887.00	30.00 Bottom Of Top Packer
Packer	4.00			3891.00	
Stubb	1.00			3892.00	
Recorder	0.00	8319	Inside	3892.00	
Recorder	0.00	8845	Outside	3892.00	
Perforations	22.00			3914.00	
Change Over Sub	1.00			3915.00	
Drill Pipe	31.00			3946.00	
Change Over Sub	1.00			3947.00	
Bullnose	3.00			3950.00	59.00 Bottom Packers & Anchor
Total Tool Length:	89.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

15-15s-26w Gove,KS

4924 SE 84th St
New ton, KS 67114

Bearcat #1

Job Ticket: 69157

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.08.21 @ 18:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

62000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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
630.00	smcw 2m 98w (oil spots)	8.837
400.00	gmw co 30g 10m 30w 30o	5.611
0.00	300' GIP	0.000

Total Length: 1030.00 ft Total Volume: 14.448 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

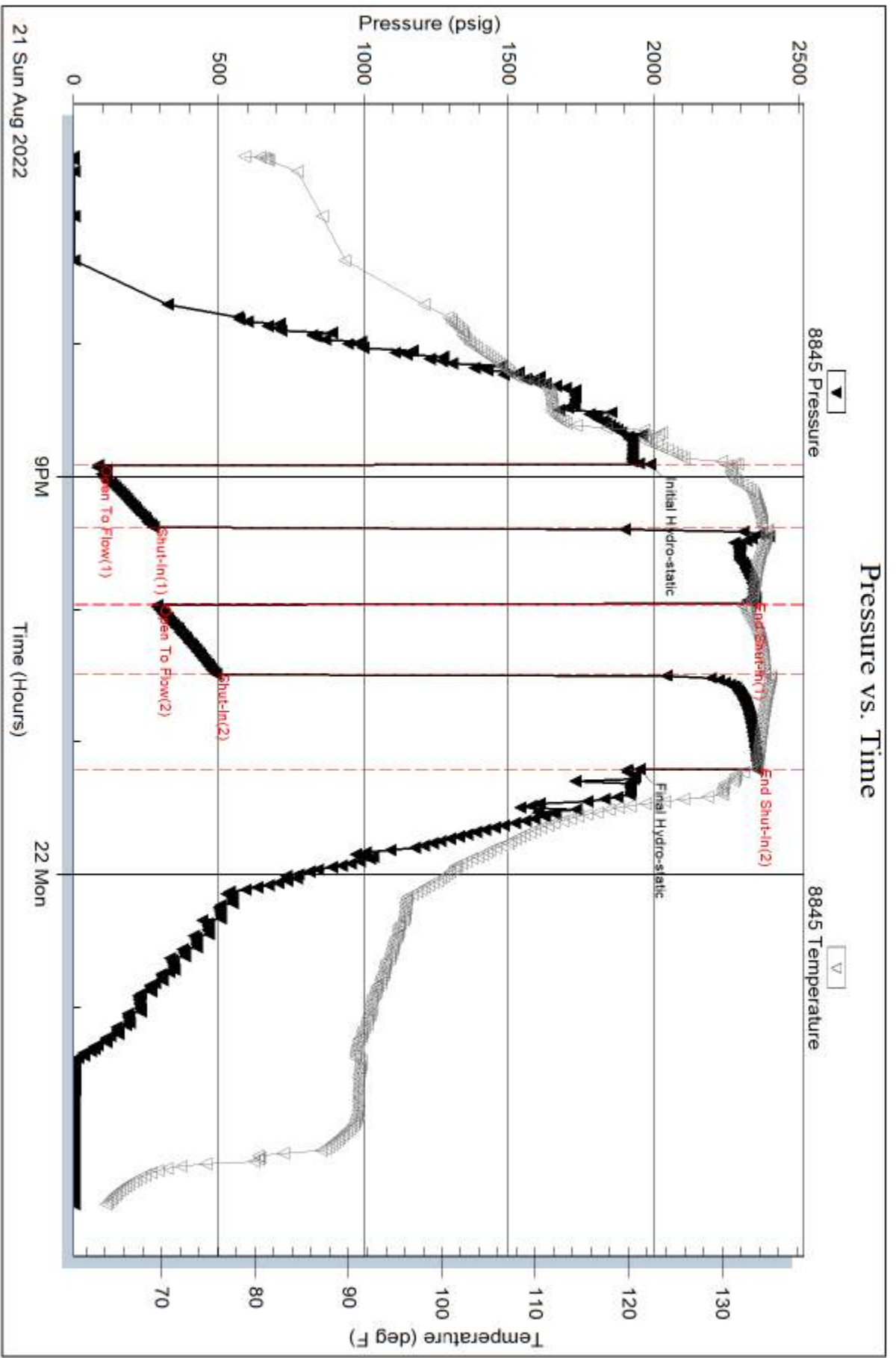
Recovery Comments: rw is .126 @ 69f = 62000ppm

Serial #: 8845

Outside Palomino Petroleum

Bearcat #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 69157

Printed: 2022.08.26 @ 09:09:16

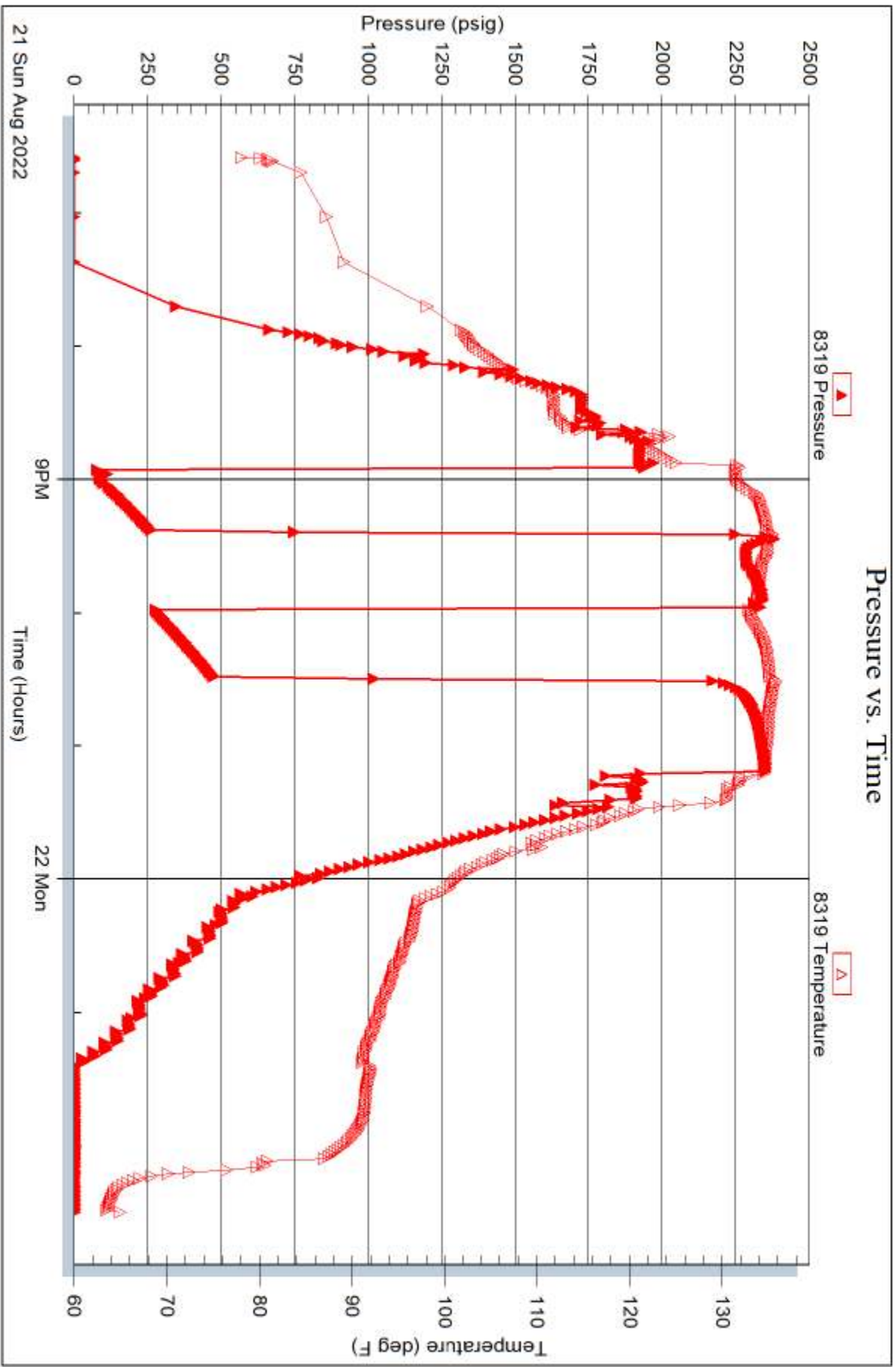
Serial #: 8319

Inside

Palomino Petroleum

Bearcat #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 69157

Printed: 2022.08.26 @ 09:09:16



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69157

Well Name & No. Bearcat #1 Test No. 1 Date 08/21/2027
 Company Palomino Petroleum Elevation 2439 KB 2431 GL
 Address Newton Ks
 Co. Rep / Geo. Kenton Jones Rig Duke #2
 Location: Sec. 15 Twp 15S Rge. 26W Co. Gove State Ks

Interval Tested 3891 - 3950 Zone Tested LTC J
 Anchor Length 59' Drill Pipe Run 3864 Mud Wt. 9.0
 Top Packer Depth 3886 Drill Collars Run — Vls 50
 Bottom Packer Depth 3891 Wt. Pipe Run — WL 8.0
 Total Depth 3950 Chlorides 4000 ppm System LCM 2#
 Blow Description IF BOB@ 3 min. 68"
ISI Marston.
PF BOB@ 5 min 36"
PSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>480</u>	<u>GMWCO</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>10</u>
<u>630</u>	<u>SMCW</u>			<u>98</u>	<u>2</u>
	<u>300' GIP</u>				

Rec Total 1030 BHT 137 Gravity — API RW .126 @ 69 °F Chlorides 62,000 ppm

(A) Initial Hydrostatic <u>1987</u>	<input checked="" type="checkbox"/> Test 1800	T-On Location <u>1700</u>
(B) First Initial Flow <u>85</u>	<input checked="" type="checkbox"/> Jars 300	T-Started <u>1835</u>
(C) First Final Flow <u>277</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>2054</u>
(D) Initial Shut-In <u>2339</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2304</u>
(E) Second Initial Flow <u>290</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0229</u>
(F) Second Final Flow <u>490</u>	<input checked="" type="checkbox"/> Mileage <u>118RT</u> 177	Comments _____
(G) Final Shut-In <u>2358</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1951</u>	<input type="checkbox"/> Straddle	<input checked="" 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>2277</u>
	Sub Total <u>2277</u>	MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
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