

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](mailto: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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416 Main Street  
 P.O. Box 225  
 Victoria, KS 67671  
 Office (785) 639-3949  
 24 Hour Service Line (785) 639-7269

# Invoice

Date	Invoice #
9/28/2022	0733

Please Pay from this Invoice.  
 Remit Payment to:  
 416 Main Street PO BOX 225  
 Victoria, KS 67671  
 Billing Questions-Call Tianna at  
 (785) 639-3949  
 Email: franksoilfield@yahoo.com

Bill To  
 Palomino Petroleum, Inc  
 4924 SE 84th St  
 Newton, KS 67114-8827

**RECEIVED**  
 OCT 13 2022  
 BY: \_\_\_\_\_

KCC License Number  
 35469

County/State	Lease/Well#	Terms	Job Type
Ness County, KS	The Fountain Head 1	Net 30	Surface

Description	Quantity	Rate	Amount
Pump Charge	1	1,150.00	1,150.00
Mileage	65	6.50	422.50
8.33 tons at 65 miles	541.45	1.50	812.18
Surface Blend	170	24.50	4,165.00
Discount		-654.96	-654.96

*Thank you!*

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.	<b>Subtotal</b>	\$5,894.72
<i>We appreciate your business and look forward to serving you again!</i>	<b>Sales Tax (6.5%)</b>	\$243.65
	<b>Balance Due</b>	\$6,138.37

# FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269  
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0733

LOCATION Victoria

FOREMAN Tam Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY			
4-28-22	30742	The Fountainhead 1	18	16	24w	Ness			
CUSTOMER Palomina Petroleum Inc		TRUCK #		DRIVER		TRUCK #		DRIVER	
MAILING ADDRESS 4924 SE 87th St.		102		Tom W					
CITY Newton		STATE KS		ZIP CODE 67114		4/301		Jack T	

JOB TYPE Surface HOLE SIZE \_\_\_\_\_ HOLE DEPTH 221' CASING SIZE & WEIGHT 8 1/2" 23#  
 CASING DEPTH 221' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting & set up on Deck #2. Circulation made  
Mix 170# surface blend & displace 12.7 Bbl starting 3:30 pm.  
Cement did circulate.

Thanks Tom & Jack

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PL002	1	PUMP CHARGE <u>surface</u>	\$1150.00	\$1150.00
MO01	65	MILEAGE	\$6.50	\$422.50
MO02	8.33 tons	Ton Mileage Delivery	\$812.18	\$812.18
CB004	1705#	Wess 4 3/8" W 290 gal 1/4" Van	\$24.50	\$4165.00
			sub total	\$6549.68
			less 10% disc.	\$654.96
			sub total	\$5894.72
			SALES TAX	243.65
			ESTIMATED TOTAL	6138.37

AUTHORIZATION Dein Vasquez TITLE Pusher DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

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

Well Name: The Fountainhead #1  
API: 15-135-26189-00-00  
Location: 100 FSL, 1031 FEL, Sec.18-Twp.16S-R24W  
License Number: 30742  
Spud Date: 9/25/2022  
Surface Coordinates:  
Region: Ness  
Drilling Completed: 10/03/2022

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 2546  
Logged Interval (ft): 3550 To: R.T.D  
Formation: Miss @ R.T.D  
Type of Drilling Fluid: Chemical  
K.B. Elevation (ft): 2554  
Total Depth (ft): 4650

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://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	The Fountainhead 2554			Lease: KB	Atlas Shrugged 2550	
Formation	Top	Datum	Strat Comp	Formation	Top	Datum
Anhy	1907	647	3	Anhy	1906	644
Heebner	3888	-1334	2	Heebner	3886	-1336
Toronto	3906	-1352	4	Toronto	3906	-1356
Lansing	3928	-1374	2	Lansing	3926	-1376
BKC	4220	-1666	-3	BKC	4213	-1663
Pawnee	4350	-1796	-3	Pawnee	4343	-1793
Fort Scott	4426	-1872	0	Fort Scott	4422	-1872
Cherokee	4449	-1895	-1	Cherokee	4444	-1894
Miss	4534	-1980	-22	Miss	4508	-1958
<b>SAMPLE TOPS</b>				<b>LOG TOPS</b>		
Anhy.	1907	647	1	Anhy.	1908	646
B - Anhy	1941	613	0	B - Anhy	1941	613
Heebner	3886	-1332	2	Heebner	3888	-1334
Toronto	3905	-1351	1	Toronto	3906	-1352
Lansing	3927	-1373	1	Lansing	3928	-1374
BKC	4213	-1659	7	BKC	4220	-1666
Pawnee	4347	-1793	3	Pawnee	4350	-1796
Scott	4424	-1870	-5	Scott	4419	-1865
Cherokee SH	4452	-1898	-3	Cherokee SH	4449	-1895
Miss.	4520	-1966	14	Miss.	4534	-1980
RTD	4650	-2096	1	LTD	4651	-2097



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum  
4924 84TH St.  
New ton, KS 67114  
ATTN: Keaton Jones

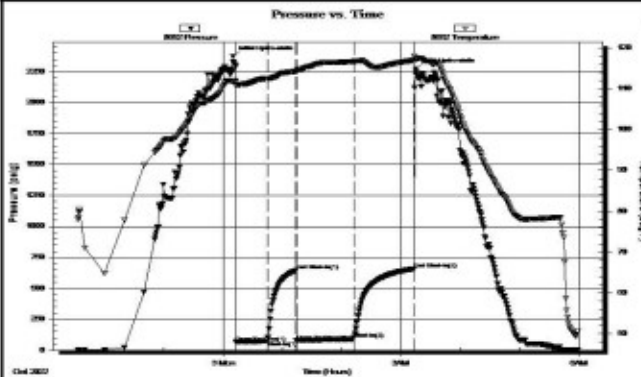
**18-16S-24W Ness, KS**  
**The Fountainhead #1**  
Job Ticket: 69837      **DST#: 1**  
Test Start: 2022.10.02 @ 21:33:00

### GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 00:13:00  
Time Test Ended: 05:59:00  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Dustin Day  
Unit No: 70  
Interval: **4450.00 ft (KB) To 4545.00 ft (KB) (TVD)**  
Total Depth: 4545.00 ft (KB) (TVD)  
Reference Elevations: 2554.00 ft (KB)  
2546.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

**Serial #: 8652      Outside**  
Press@RunDepth: 91.18 psig @ 4451.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2022.10.02      End Date: 2022.10.03      Last Calib.: 2022.10.03  
Start Time: 21:33:05      End Time: 05:58:59      Time On Btm: 2022.10.03 @ 00:10:00  
Time Off Btm: 2022.10.03 @ 03:14:45

**TEST COMMENT:** F-30- Built to 2 1/2"  
S11-30- No return  
FF-60- Built to 2 1/2"  
S2-60- No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2372.31	111.87	Initial Hydro-static
3	66.07	110.71	Open To Flow (1)
35	75.39	112.52	Shut-in(1)
64	644.24	114.25	End Shut-in(1)
64	78.33	114.13	Open To Flow (2)
122	91.18	116.68	Shut-in(2)
183	655.64	116.94	End Shut-in(2)
185	2271.72	117.13	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
63.00	SOCM 5% oil 95% mud	0.88
1.00	oil 100%	0.01

### Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum  
4924 84TH St.  
Newton, KS 67114  
ATTN: Keaton Jones

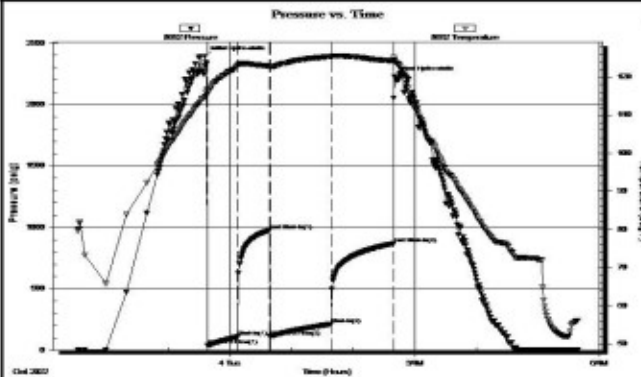
**18-16S-24W Ness, KS**  
**The Fountainhead #1**  
Job Ticket: 69838      **DST#: 2**  
Test Start: 2022.10.03 @ 21:32:00

### GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 23:38:15  
Time Test Ended: 05:38:30  
Test Type: Conventional Straddle (Reset)  
Tester: Dustin Day  
Unit No: 70  
Interval: **4542.00 ft (KB) To 4580.00 ft (KB) (TVD)**  
Total Depth: 4651.00 ft (KB) (TVD)  
Reference Elevations: 2554.00 ft (KB)  
2546.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

**Serial #: 8652      Outside**  
Press@RunDepth: 213.07 psig @ 4543.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2022.10.03      End Date: 2022.10.04      Last Calib.: 2022.10.04  
Start Time: 21:32:05      End Time: 05:38:29      Time On Btm: 2022.10.03 @ 23:35:45  
Time Off Btm: 2022.10.04 @ 02:40:15

**TEST COMMENT:** F-30- BOB in 22 min, built to 14 3/4"  
S11-30- No return  
FF-60- BOB in 34 min, built to 18"  
S2-60- No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2392.27	114.81	Initial Hydro-static
3	38.20	115.44	Open To Flow (1)
32	109.05	123.03	Shut-in(1)
63	976.64	122.86	End Shut-in(1)
64	112.62	122.54	Open To Flow (2)
123	213.07	125.39	Shut-in(2)
184	868.08	124.27	End Shut-in(2)
185	2226.24	124.55	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
318.00	MCW 10% mud 90% w ater	4.46
93.00	OSWCM 40% w ater 60% mud	1.30
1.00	oil 100%	0.01

\* Recovery from multiple tests

### Gas Rates

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

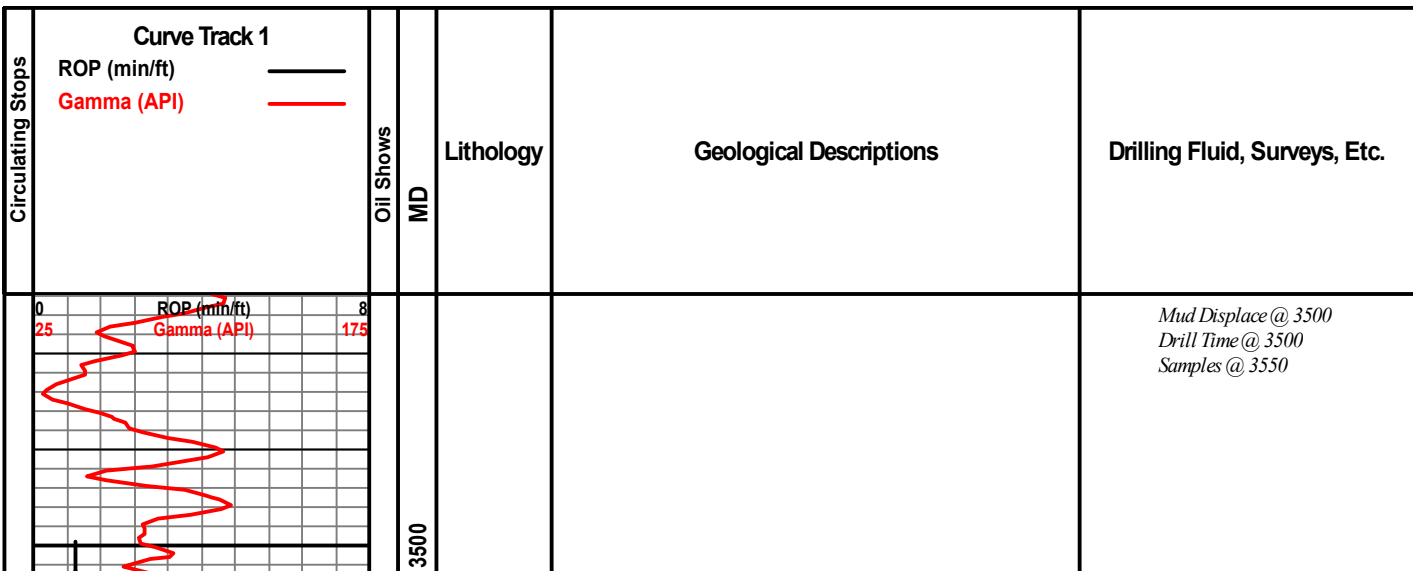
## The Fountainhead Strap VS Board

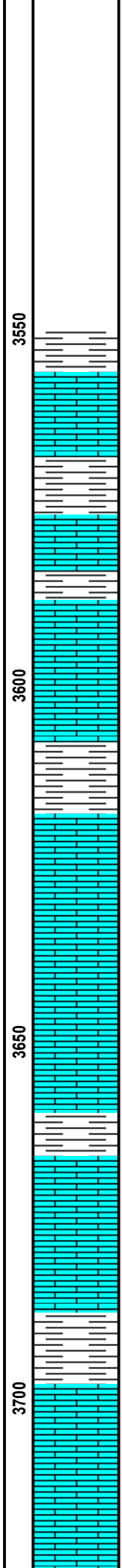
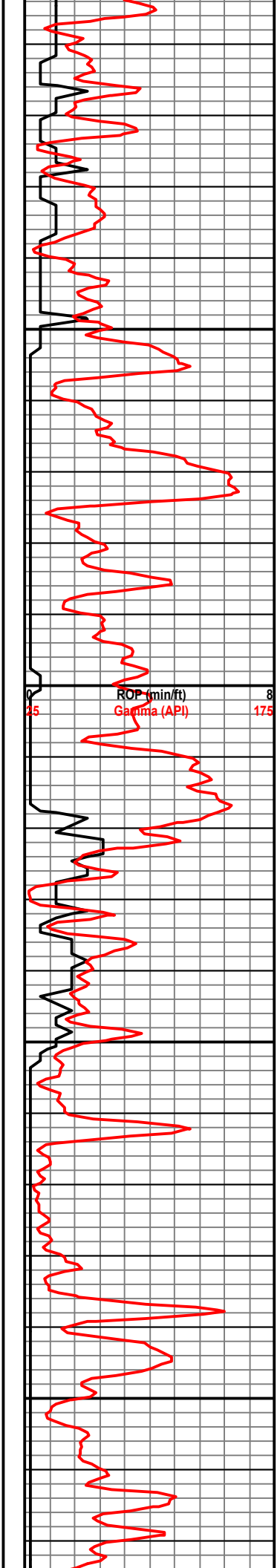
Number of Joints	Length of Jt	total Depth	No. of Stands	Number of Joints	Length of Jt	total Depth	No. of Stands	Number of Joints	Length of Jt	total Depth	No. of Stands	Number of Joints	Length of Jt	total Depth	No. of Stands	Number of Joints	Length of Jt	total Depth	No. of Stands
Kelly	40	40		30	31.91	947.79	15	60	31.96	1899.97	30	90	31	2850.7	45	120	31.88	3802.44	60
1	29.41	69.41		31	31.3	979.09		61	31.65	1931.62		91	32	2882.7		121	31.64	3834.08	
2	29.23	98.64	1	32	31.95	1011.04	16	62	31.37	1962.99	31	92	31.74	2914.44	46	122	31.94	3866.02	61
3	29.13	127.77		33	31.76	1042.8		63	31.92	1994.91		93	31.41	2945.85		123	30.9	3896.92	
4	28.54	156.31	2	34	31.64	1074.44	17	64	31.89	2026.8	32	94	32.01	2977.86	47	124	31.35	3928.27	62
5	27.43	183.74		35	31.4	1105.84		65	31.61	2058.41		95	31.72	3009.58		125	31.75	3960.02	
6	29.08	212.82	3	36	31.7	1137.54	18	66	31.39	2089.8	33	96	31.36	3040.94	48	126	31.9	3991.92	63
7	28.4	241.22		37	31.68	1169.22		67	31.44	2121.24		97	31.19	3072.13		127	31.97	4023.89	
8	30.03	271.25	4	38	31.27	1200.49	19	68	32.04	2153.28	34	98	32.01	3104.14	49	128	32	4055.89	64
9	30.06	301.31		39	31.72	1232.21		69	31.97	2185.25		99	31.99	3136.13		129	31.81	4087.7	
10	30.04	331.35	5	40	31.61	1263.82	20	70	32.06	2217.31	35	100	31.21	3167.34	50	130	31.33	4119.03	65
11	28.4	359.75		41	32.05	1295.87		71	31.11	2248.42		101	31.9	3199.24		131	31.86	4150.89	
12	29.17	388.92	6	42	31.3	1327.17	21	72	32.9	2281.32	36	102	31.89	3231.13	51	132	31.81	4182.7	66
13	28.6	417.52		43	31.86	1359.03		73	31.35	2312.67		103	31.7	3262.83		133	31.71	4214.41	
14	28.54	446.06	7	44	31.49	1390.52	22	74	32	2344.67	37	104	32	3294.83	52	134	31.63	4246.04	67
15	29.13	475.19		45	31.58	1422.1		75	31.37	2376.04		105	31.97	3326.8		135	31.25	4277.29	
16	29.09	504.28	8	46	31.93	1454.03	23	76	31.08	2407.12	38	106	31.35	3358.15	53	136	31.35	4308.64	68
DP 17	31.91	536.19		47	32	1486.03		77	32.08	2439.2		107	31.99	3390.14		137	31.48	4340.12	
18	31.42	567.61	9	48	31.9	1517.93	24	78	31.83	2471.03	39	108	31.78	3421.92	54	138	31.69	4371.81	69
19	31.98	599.59		49	31.76	1549.69		79	31.5	2502.53		109	31.3	3453.22		139	31.47	4403.28	
20	31.3	630.89	10	50	31.67	1581.36	25	80	31.95	2534.48	40	110	31.29	3484.51	55	140	31.35	4434.63	70
21	31.11	662		51	31.37	1612.73		81	31.82	2566.3		111	31.9	3516.41		141		4434.63	
22	31.91	693.91	11	52	31.94	1644.67	26	82	31.33	2597.63	41	112	32	3548.41	56	142		4434.63	71
23	31.83	725.74		53	31.97	1676.64		83	31.36	2628.99		113	31.49	3579.9		143		4434.63	
24	31.97	757.71	12	54	31.94	1708.58	27	84	31.98	2660.97	42	114	32.05	3611.95	57	144		4434.63	72
25	31.23	788.94		55	31.9	1740.48		85	31.87	2692.84		115	31.84	3643.79		145		4434.63	
26	31.84	820.78	13	56	31.89	1772.37	28	86	32.02	2724.86	43	116	31.41	3675.2	58	146		4434.63	73
27	31.81	852.59		57	31.87	1804.24		87	31.6	2756.46		117	31.97	3707.17		147		4434.63	
28	31.92	884.51	14	58	31.79	1836.03	29	88	31.37	2787.83	44	118	31.7	3738.87	59	148		4434.63	74
29	31.37	915.88		59	31.98	1868.01		89	31.87	2819.7		119	31.69	3770.56		149		4434.63	
Total Tally		915.88		Total Tally		952.13		Total Tally		951.69		Total Tally		950.86		Total Tally		664.07	

Kelly & Collars	40	40	Row 1	Row 2	Row 3	Row 4	Row 5	Row 6						
58.64	58.29	1	63.12	8	63.06	16	63.1	31						
57.67	58.5	2	62.77	9	62.81	17	62.95	32						
56.51	57.79	3	62.83	10	63.49	18	63.14	33						
58.43	58.45	4	63.45	11	63.46	19	63.59	34						
60.1	59.68	5	63.14	12	63.35	20	63.07	35						
57.57	59.95	6	63.76	13	63.87	21	63.85	36						
57.14	58.55	7	63.84	14	63.48	22	62.5	37						
58.22	56.8			15	63.16	23	63.67	38						
Total	504.28	508.01	Total	442.91	Total	506.68	Total	506.86	Total	506.33	Total	505.53	Total	509.4
	Original	Corrected												

Row 7	Row 8	Row 1	Row 2	Row 3	Row 4	Row 5	Row 6	Row 7	Row 8
47	63.01	55	63.25	442.91	506.68	506.86	505.53	509.4	441.41
48	63.31	56	63.62	506.86	506.33	505.77	505.77	441.41	
49	63.63	57	63.18						
50	62.94	58	63.72						
51	63.36	59	62.42						
52	62.63	60	62.4						
53	63.7	Down	62.82						
54	63.19								
Total	505.77	Total	441.41	Total	3924.89				

--	--	--	--	--





*Ls - Br - medXLn - Foss - Interbed XLn Por - Shaly*

*Sh - Gry - Chalky*

*Ls - Gry - MedXLn - Scat Ooli - Foss - InterXLn Por - N/S*

*Ls - Br - MedXLn - Foss - Ooli In Part - N/S*

*Ls - Br - MedXLn - Foss - Scat InterXLn Por - Dead Stn - N/S*

*Sh - Gry - Silty*

*Ls - Br - MedXLn - Oolic Por - Vuggy W/ Scat Moldic Por - N/S*

*Sh - Blk - Carb*

*Ls - Gry - fXLn - Interbed Sh - Scat Foss - Dirty*

*Ls - Gry - fXLn - No Vis Por*

*Ls - Br - MedXLn - Scat Vug Por - N/S*

Conn - 3516

*- Jet #1 - Finish Displace*

Conn - 3548

Conn - 3579

Conn - 3610

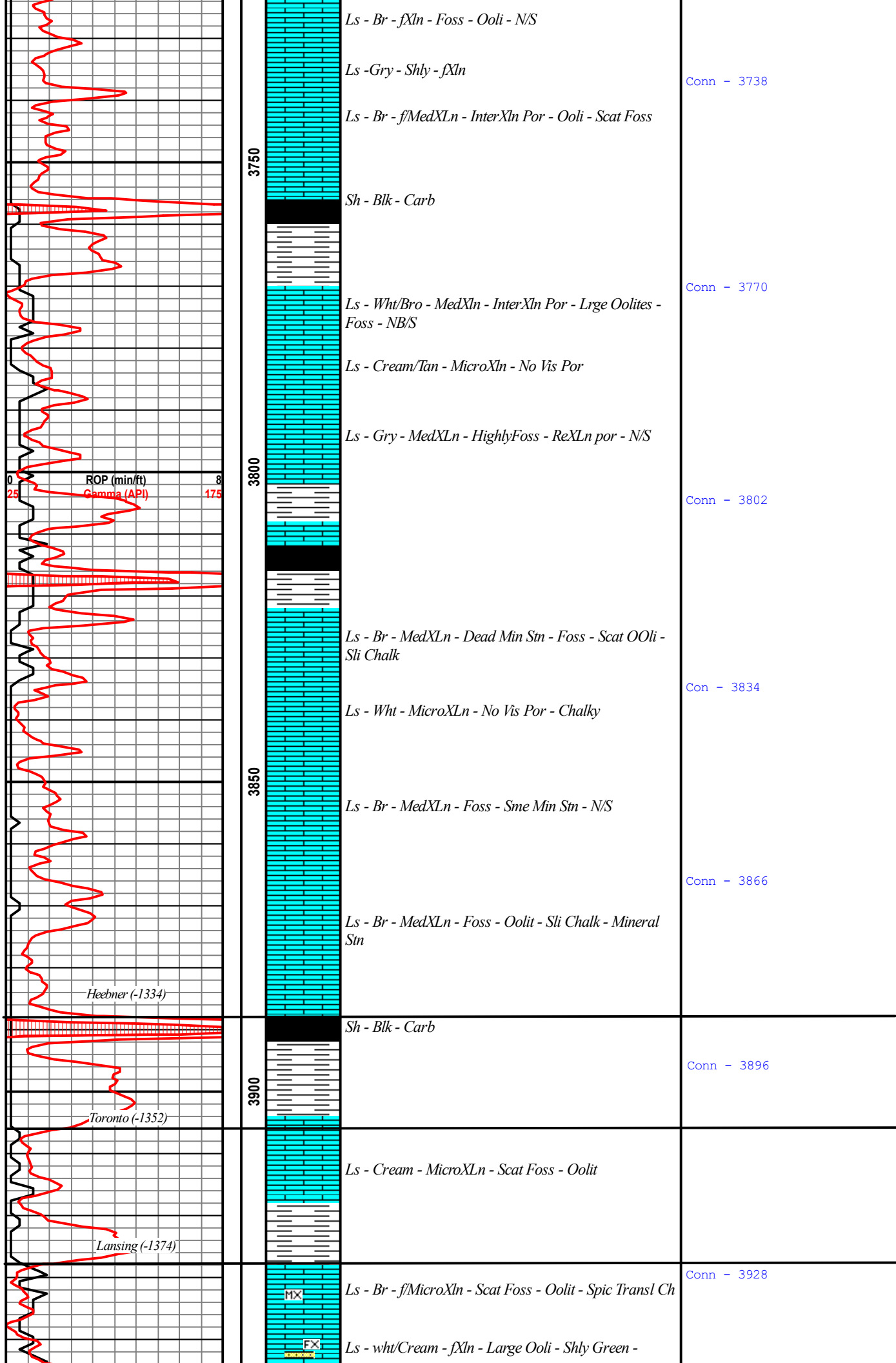
*- Mud Report -  
Depth: 3632  
Wt: 8.7  
Vis: 58  
Fil: 5.4  
Chl: 3,800  
Lcm: 2*

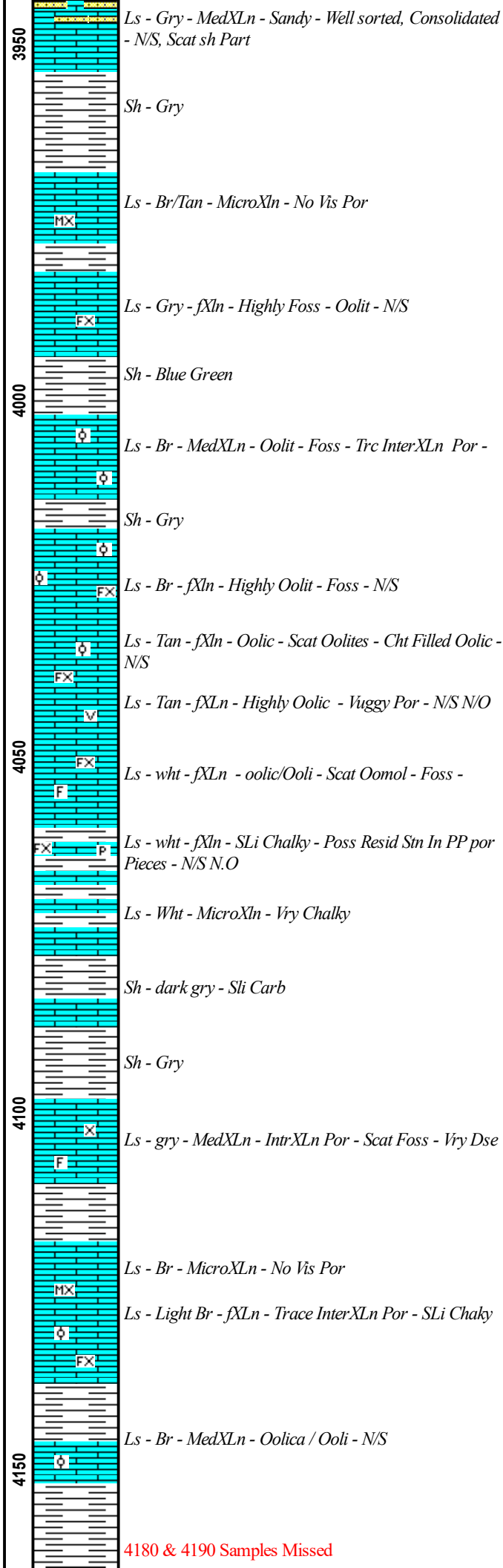
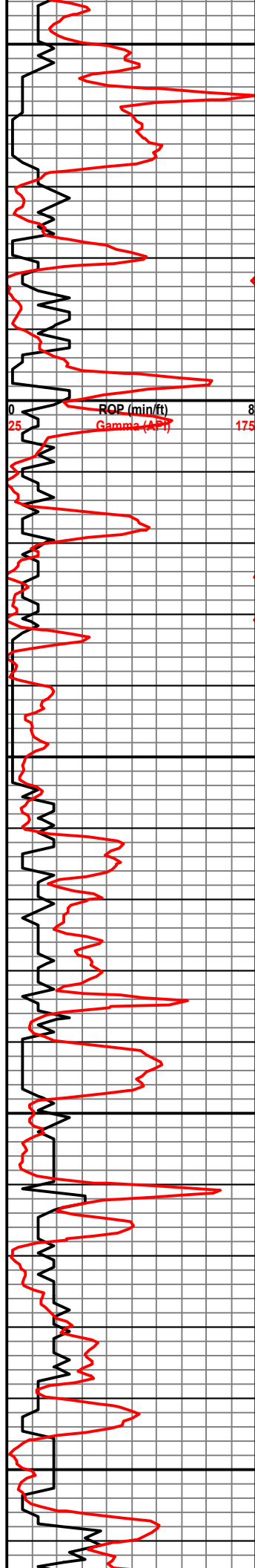
Conn - 3643

*- Rig Check -*

Conn - 3675

Conn - 3707





Conn - 3960

Conn - 3991

-Mud Check -  
Wt: 9.1  
Vis: 58  
Lcm: 2

Conn - 4023

Conn - 4055

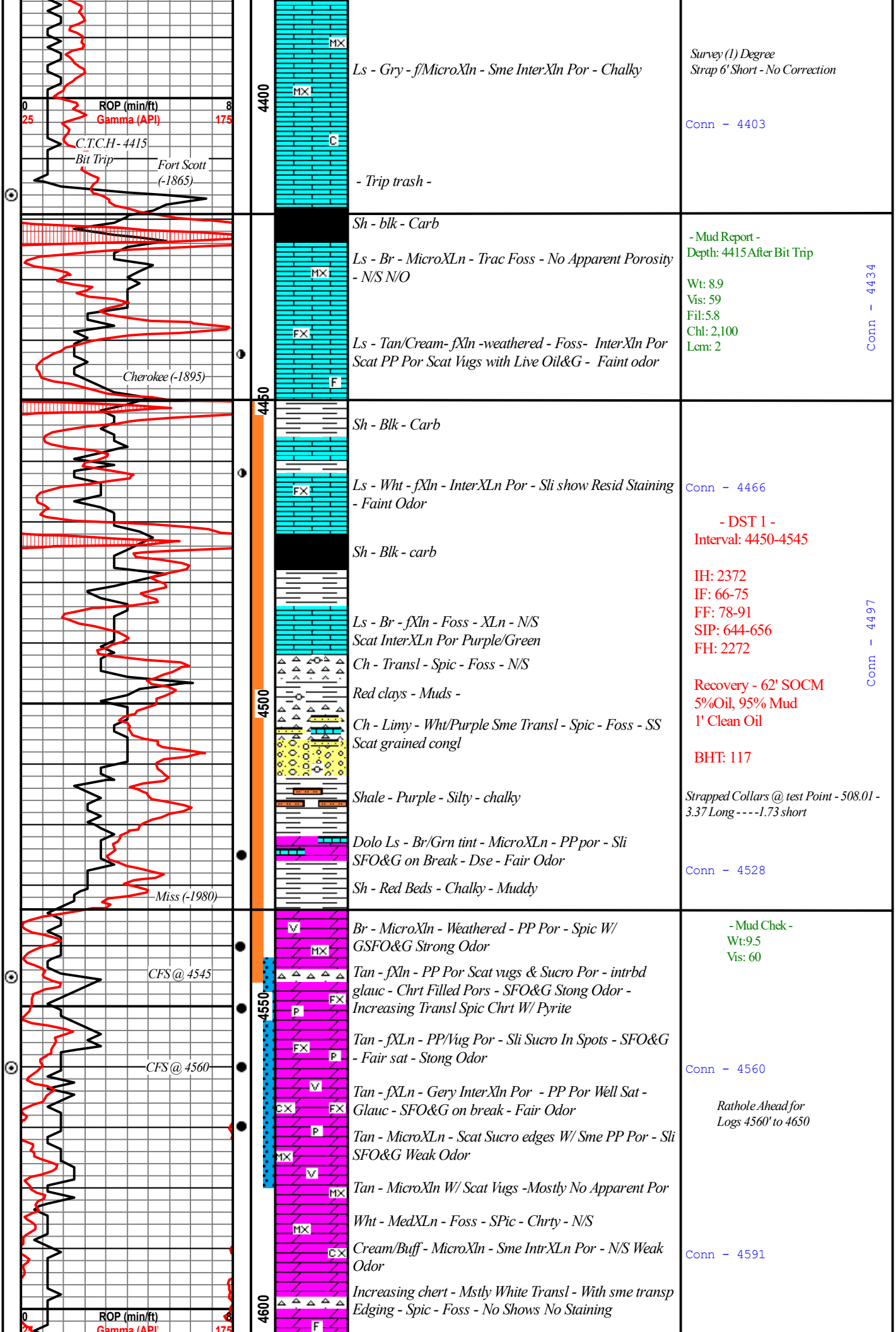
Conn - 4087

Conn - 4119

Conn - 4150

4180 & 4190 Samples Missed





Survey (1) Degree  
Strap 6' Short - No Correction

Conn - 4403

Ls - Gry - f/MicroXln - Sme InterXln Por - Chalky

- Trip trash -

Sh - blk - Carb

Ls - Br - MicroXln - Trac Foss - No Apparent Porosity  
- N/S N/O

- Mud Report -  
Depth: 4415 After Bit Trip

Wt: 8.9  
Vis: 59  
Fil: 5.8  
Chl: 2,100  
Lcm: 2

Ls - Tan/Cream - fXln - weathered - Foss - InterXln Por  
Scat PP Por Scat Vugs with Live Oil&G - Faint odor

Conn - 4434

Sh - Blk - Carb

Ls - Wht - fXln - InterXln Por - Sli show Resid Staining  
- Faint Odor

Conn - 4466

- DST 1 -  
Interval: 4450-4545

Sh - Blk - carb

Ls - Br - fXln - Foss - Xln - N/S  
Scat InterXln Por Purple/Green

IH: 2372  
IF: 66-75  
FF: 78-91  
SIP: 644-656  
FH: 2272

Ch - Transl - Spic - Foss - N/S

Red clays - Muds -

Ch - Limy - Wht/Purple Sme Transl - Spic - Foss - SS  
Scat grained congl

Recovery - 62' SOCM  
5% Oil, 95% Mud  
1' Clean Oil

Shale - Purple - Silty - chalky

Dolo Ls - Br/Grn tint - MicroXln - PP por - Sli  
SFO&G on Break - Dse - Fair Odor

Strapped Collars @ test Point - 508.01 -  
3.37 Long ---- -1.73 short

Sh - Red Beds - Chalky - Muddy

Conn - 4528

Br - MicroXln - Weathered - PP Por - Spic W/  
GSFO&G Strong Odor

- Mud Chk -  
Wt: 9.5  
Vis: 60

Tan - fXln - PP Por Scat vugs & Sucro Por - intrbd  
glauc - Chrt Filled Pors - SFO&G Stong Odor -  
Increasing Transl Spic Chrt W/ Pyrite

Conn - 4560

Tan - fXln - PP/Vug Por - Sli Sucro In Spots - SFO&G  
- Fair sat - Stong Odor

Tan - fXln - Gery InterXln Por - PP Por Well Sat -  
Glauc - SFO&G on break - Fair Odor

Rathole Ahead for  
Logs 4560' to 4650

Tan - MicroXln - Scat Sucro edges W/ Sme PP Por - Sli  
SFO&G Weak Odor

Tan - MicroXln W/ Scat Vugs - Mostly No Apparent Por

Wht - MedXln - Foss - SPic - Chrt - N/S

Cream/Buff - MicroXln - Sme IntrXln Por - N/S Weak  
Odor

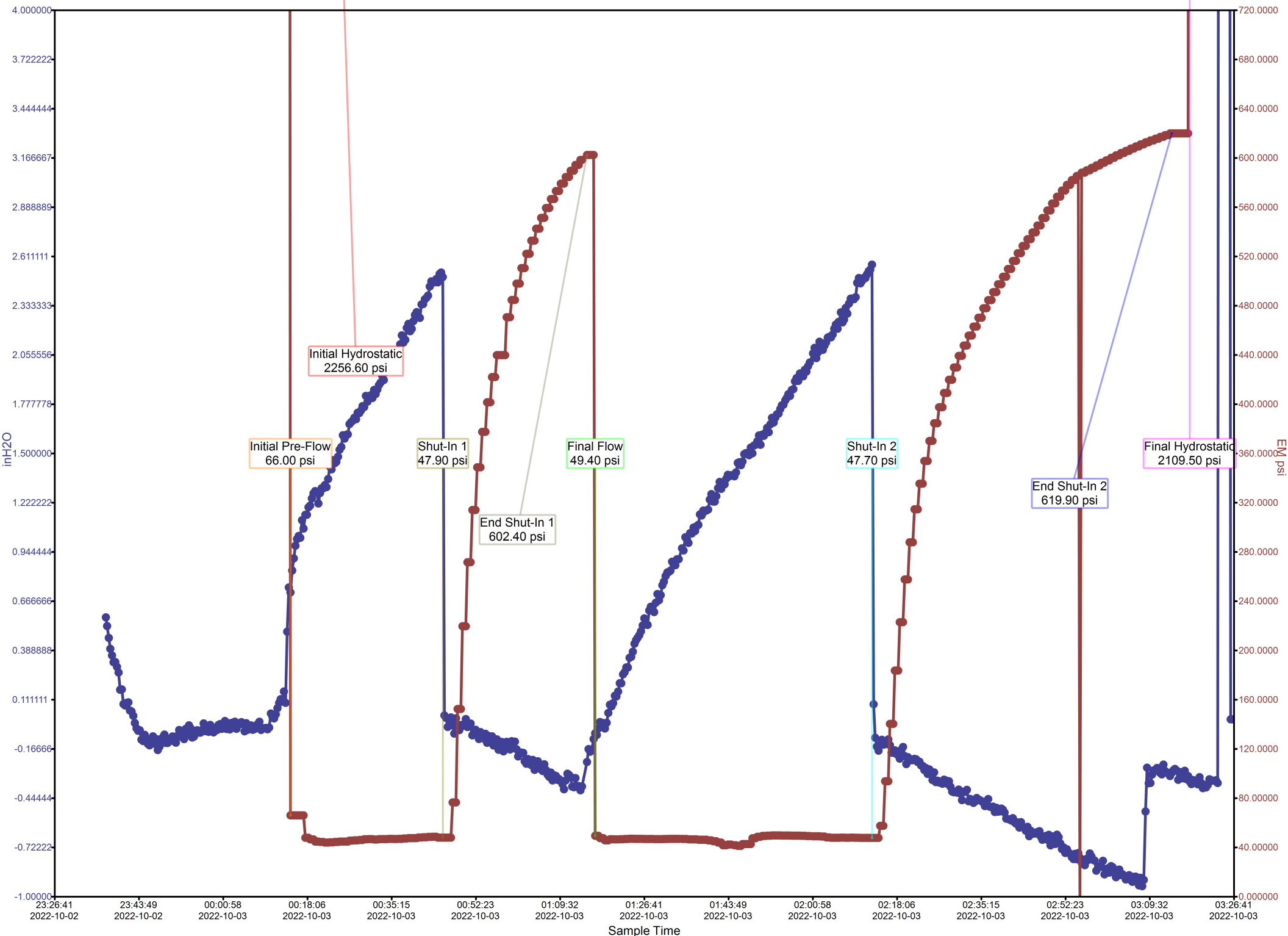
Conn - 4591

Increasing chert - Mstly White Transl - With sme transp  
Edging - Spic - Foss - No Shows No Staining





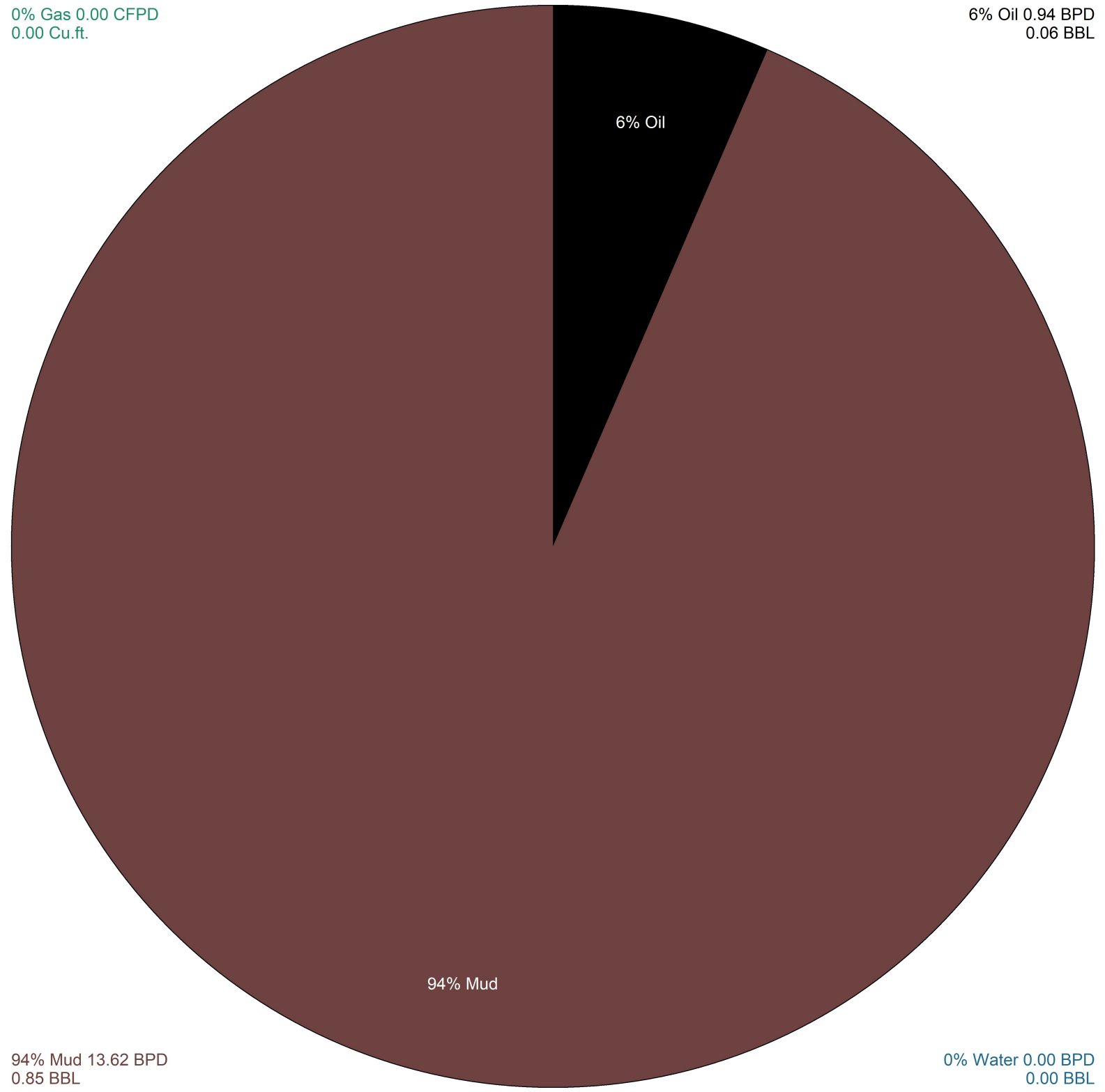
# Palomino Petroleum - The Fountainhead 1 - DST #1



Calculated Recovery Analysis - Palomino Petroleum - The Fountainhead 1 - DST #1

0% Gas 0.00 CFPD  
0.00 Cu.ft.

6% Oil 0.94 BPD  
0.06 BBL



94% Mud

6% Oil

94% Mud 13.62 BPD  
0.85 BBL

0% Water 0.00 BPD  
0.00 BBL



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**18-16S-24W Ness, KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

Job Ticket: 69837

**DST#: 1**

ATTN: Keaton Jones

Test Start: 2022.10.02 @ 21:33:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:13:00

Time Test Ended: 05:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

**Interval: 4450.00 ft (KB) To 4545.00 ft (KB) (TVD)**

Reference Elevations: 2554.00 ft (KB)

Total Depth: 4545.00 ft (KB) (TVD)

2546.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 91.18 psig @ 4451.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.10.02

End Date:

2022.10.03

Last Calib.: 2022.10.03

Start Time: 21:33:05

End Time:

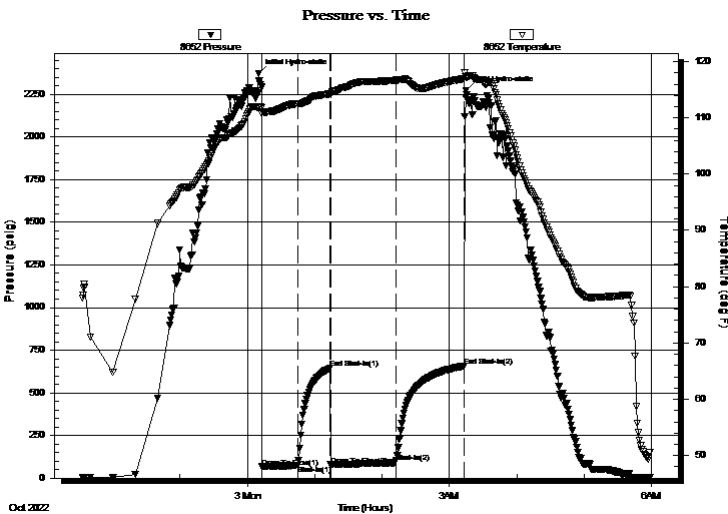
05:58:59

Time On Btm: 2022.10.03 @ 00:10:00

Time Off Btm: 2022.10.03 @ 03:14:45

TEST COMMENT: IF-30- Built to 2 1/2"  
SI1-30- No return  
FF-60- Built to 2 1/2"  
SI2-60- No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2372.31	111.87	Initial Hydro-static
3	66.07	110.71	Open To Flow (1)
35	75.39	112.52	Shut-In(1)
64	644.24	114.25	End Shut-In(1)
64	78.33	114.13	Open To Flow (2)
122	91.18	116.68	Shut-In(2)
183	655.64	116.94	End Shut-In(2)
185	2271.72	117.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	SOCM 5% oil 95% mud	0.88
1.00	oil 100%	0.01

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

**18-16S-24W Ness, KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

Job Ticket: 69837

**DST#: 1**

ATTN: Keaton Jones

Test Start: 2022.10.02 @ 21:33:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	SOCM 5% oil 95% mud	0.884
1.00	oil 100%	0.014

Total Length: 64.00 ft      Total Volume: 0.898 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

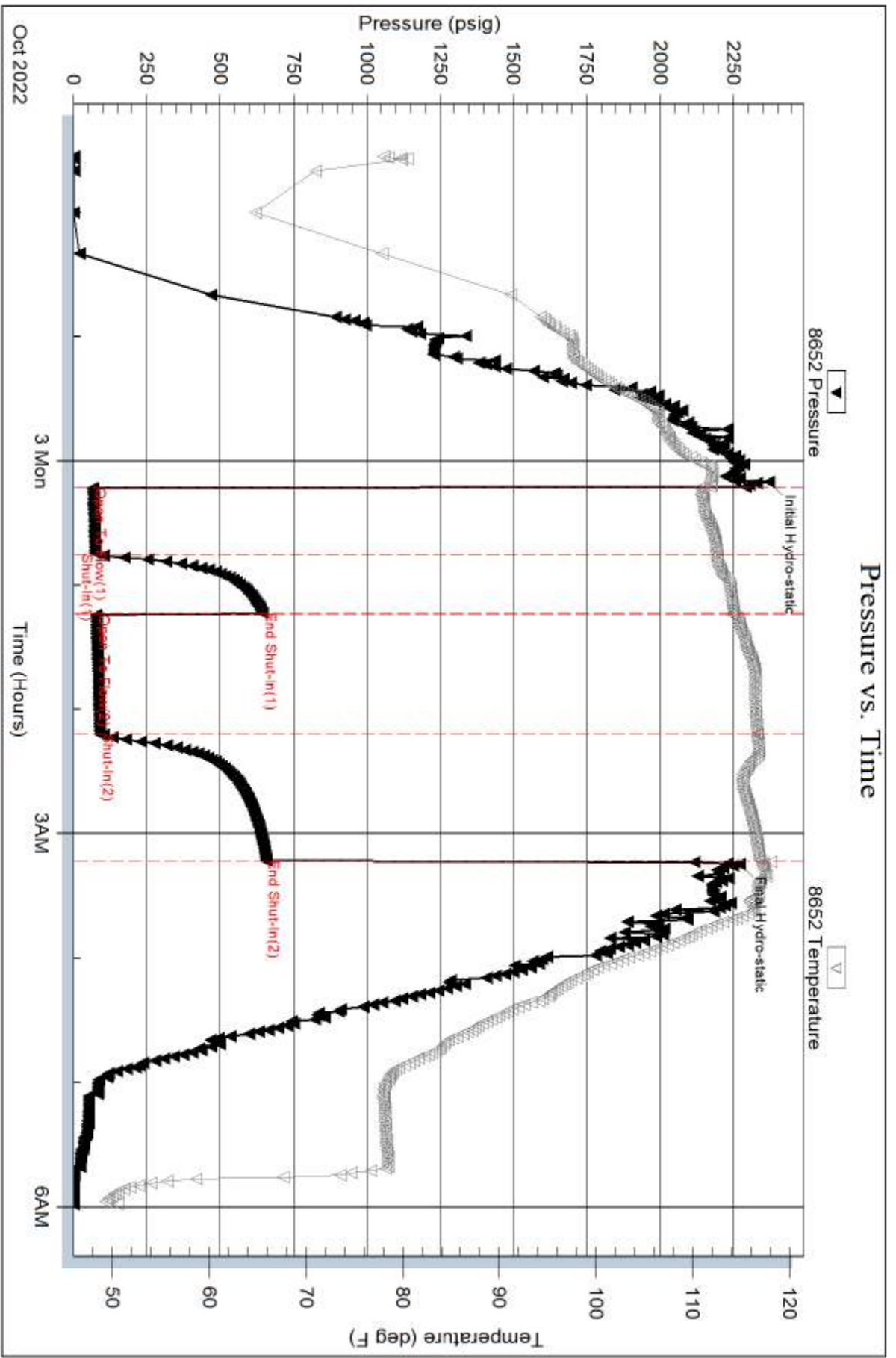
Recovery Comments: 2# LCM

Serial #: 8652

Outside Palomino Petroleum

The Fountainhead #1

DST Test Number: 1



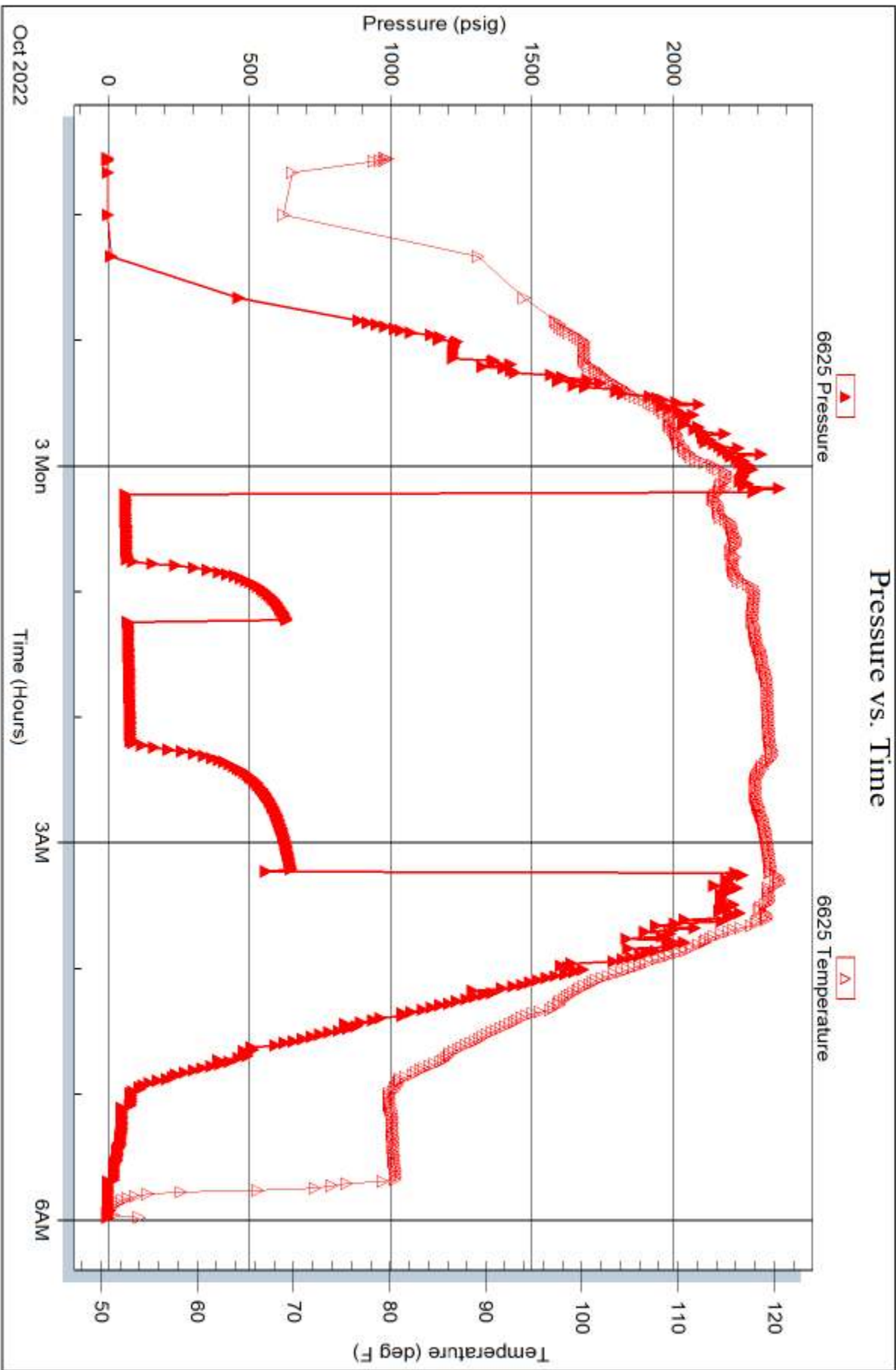
Serial #: 6625

Inside

Palomino Petroleum

The Fountainhead #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 84TH St.  
Newton, KS 67114

ATTN: Keaton Jones

### **The Fountainhead #1**

### **18-16S-24W Ness,KS**

Start Date: 2022.10.02 @ 21:33:00

End Date: 2022.10.03 @ 05:59:00

Job Ticket #: 69837                      DST #: 1

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

Printed: 2022.10.05 @ 11:32:58

Palomino Petroleum  
18-16S-24W Ness,KS  
The Fountainhead #1  
DST # 1  
Miss  
2022.10.02





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**18-16S-24W Ness,KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

ATTN: Keaton Jones

Job Ticket: 69837

**DST#: 1**

Test Start: 2022.10.02 @ 21:33:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:13:00

Time Test Ended: 05:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

**Interval: 4450.00 ft (KB) To 4545.00 ft (KB) (TVD)**

Reference Elevations: 2554.00 ft (KB)

Total Depth: 4545.00 ft (KB) (TVD)

2546.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 91.18 psig @ 4451.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.10.02

End Date:

2022.10.03

Last Calib.: 2022.10.03

Start Time: 21:33:05

End Time:

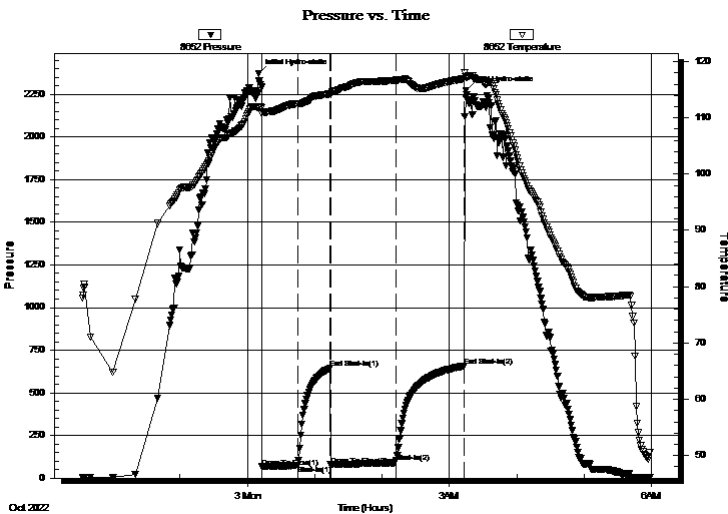
05:58:59

Time On Btm: 2022.10.03 @ 00:10:00

Time Off Btm: 2022.10.03 @ 03:14:45

TEST COMMENT: IF-30- Built to 2 1/2"  
SI1-30- No return  
FF-60- Built to 2 1/2"  
SI2-60- No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2372.31	111.87	Initial Hydro-static
3	66.07	110.71	Open To Flow (1)
35	75.39	112.52	Shut-In(1)
64	64.24	114.25	End Shut-In(1)
64	78.33	114.13	Open To Flow (2)
122	91.18	116.68	Shut-In(2)
183	65.64	116.94	End Shut-In(2)
185	2271.72	117.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	SOCM 5% oil 95% mud	0.88
1.00	oil 100%	0.01

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**18-16S-24W Ness,KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

Job Ticket: 69837

**DST#: 1**

ATTN: Keaton Jones

Test Start: 2022.10.02 @ 21:33:00

## Tool Information

Drill Pipe:	Length: 4431.00 ft	Diameter: 3.80 inches	Volume: 62.16 bbl	Tool Weight: 2900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 62.16 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4450.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	126.00 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			4420.00	
shut In Tool	5.00			4425.00	
hydraulic tool	5.00			4430.00	
Jars	5.00			4435.00	
EM Tool	3.00			4438.00	
Safety Joint	3.00			4441.00	
Packer	5.00			4446.00	31.00 Bottom Of Top Packer
Packer	4.00			4450.00	
Stubb	1.00			4451.00	
Recorder	0.00	6625	Inside	4451.00	
Recorder	0.00	8652	Outside	4451.00	
perforations	5.00			4456.00	
change Over Sub	1.00			4457.00	
drill Pipe	64.00			4521.00	
change Over Sub	1.00			4522.00	
perforations	19.00			4541.00	
Bullnose	4.00			4545.00	95.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>126.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

**18-16S-24W Ness,KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

Job Ticket: 69837

**DST#: 1**

ATTN: Keaton Jones

Test Start: 2022.10.02 @ 21:33:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	SOCM 5% oil 95% mud	0.884
1.00	oil 100%	0.014

Total Length: 64.00 ft

Total Volume: 0.898 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

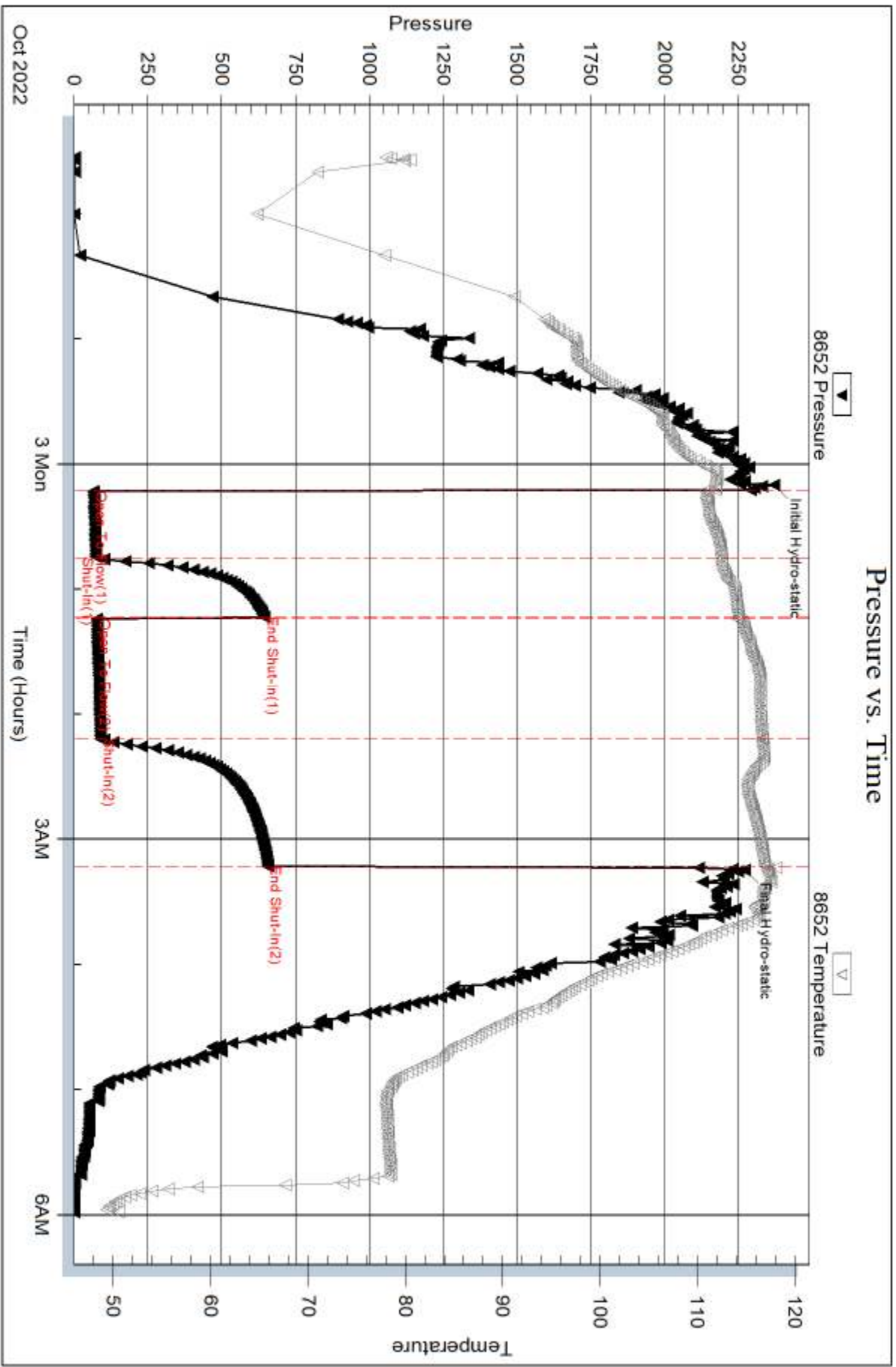
Recovery Comments: 2# LCM

Serial #: 8652

Outside Palomino Petroleum

The Fountainhead #1

DST Test Number: 1



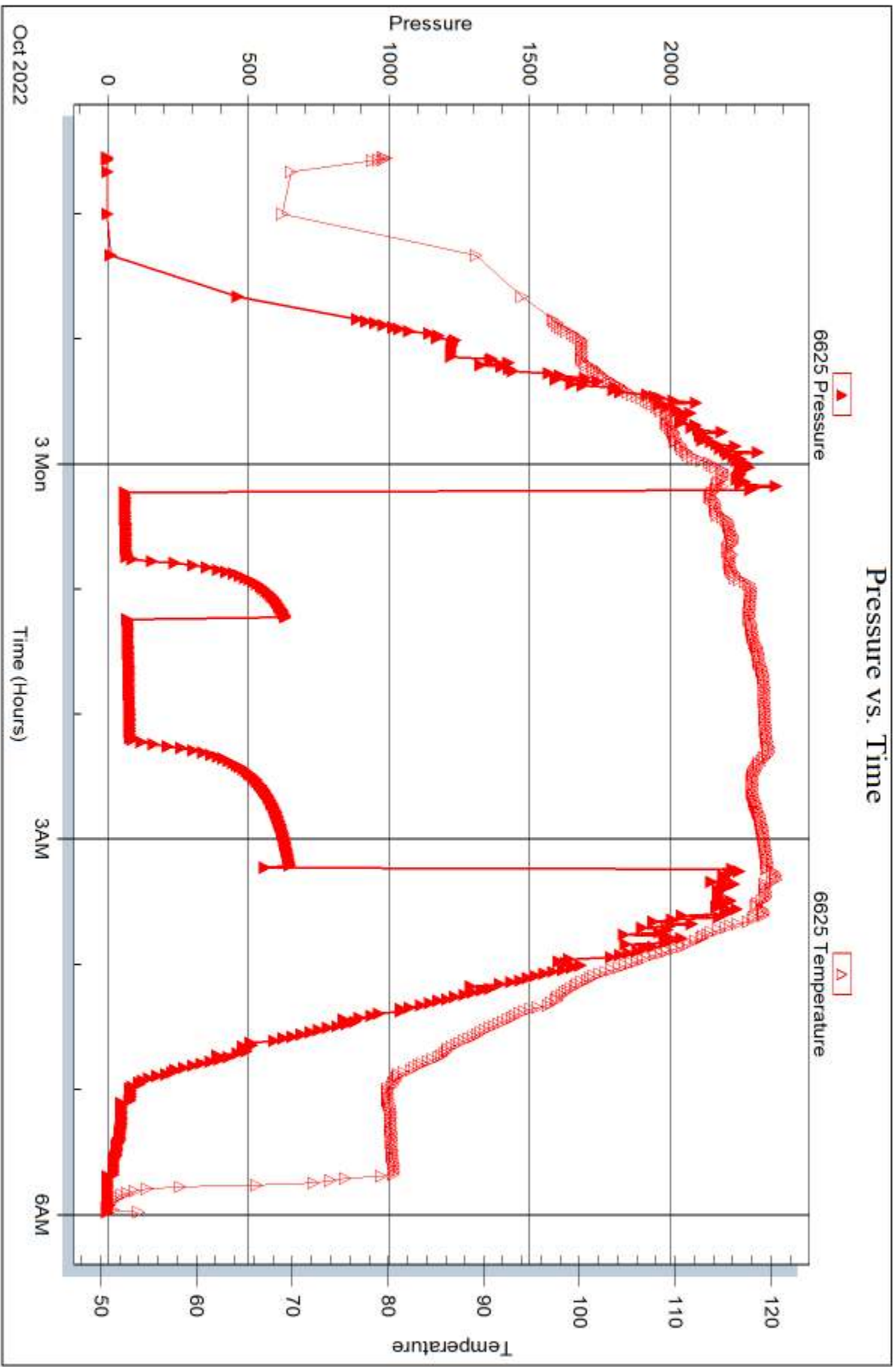
Serial #: 6625

Inside

Palomino Petroleum

The Fountainhead #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 69837

Printed: 2022.10.05 @ 11:34:51



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 84TH St.  
Newton, KS 67114

ATTN: Keaton Jones

### **The Fountainhead #1**

### **18-16S-24W Ness,KS**

Start Date: 2022.10.03 @ 21:32:00

End Date: 2022.10.04 @ 05:38:30

Job Ticket #: 69838                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.05 @ 11:26:33

Palomino Petroleum  
18-16S-24W Ness,KS  
The Fountainhead #1  
DST # 2  
Miss  
2022.10.03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**18-16S-24W Ness,KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

ATTN: Keaton Jones

Job Ticket: 69838

**DST#: 2**

Test Start: 2022.10.03 @ 21:32:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:38:15

Time Test Ended: 05:38:30

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4542.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 2554.00 ft (KB)

Total Depth: 4651.00 ft (KB) (TVD)

2546.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 213.07 psig @ 4543.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.10.03

End Date:

2022.10.04

Last Calib.: 2022.10.04

Start Time: 21:32:05

End Time:

05:38:29

Time On Btm: 2022.10.03 @ 23:35:45

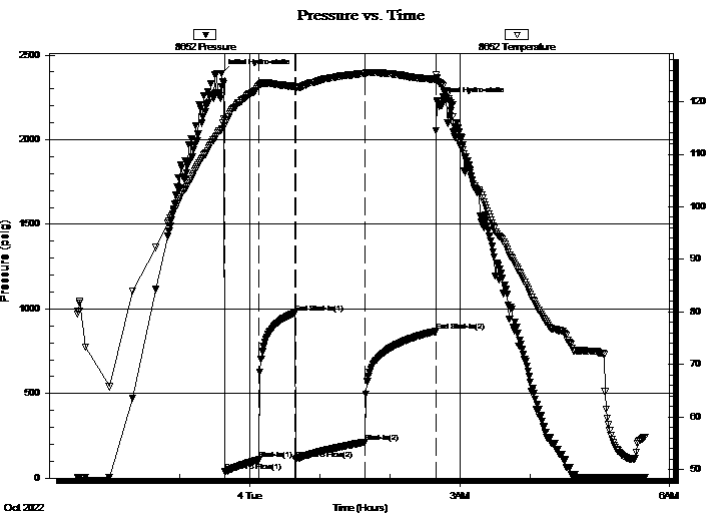
Time Off Btm: 2022.10.04 @ 02:40:15

**TEST COMMENT:** IF-30- BOB in 22 min, built to 14 3/4"

SI1-30- No return

FF-60- BOB in 34 min, built to 18"

SI2-60- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2392.27	114.81	Initial Hydro-static
3	38.20	115.44	Open To Flow (1)
32	109.05	123.03	Shut-In(1)
63	976.64	122.86	End Shut-In(1)
64	112.62	122.54	Open To Flow (2)
123	213.07	125.39	Shut-In(2)
184	868.08	124.27	End Shut-In(2)
185	2226.24	124.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
318.00	MCW 10% mud 90% water	4.46
93.00	OSWCM 40% water 60% mud	1.30
1.00	oil 100%	0.01

\* Recovery from multiple tests

## Gas Rates

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









**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum

**18-16S-24W Ness,KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

Job Ticket: 69838

**DST#: 2**

ATTN: Keaton Jones

Test Start: 2022.10.03 @ 21:32:00

## Tool Information

Drill Pipe:	Length: 4530.00 ft	Diameter: 3.80 inches	Volume: 63.54 bbl	Tool Weight: 2900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 63.54 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4542.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	4577.00 ft			
Interval between Packers:	35.00 ft			
Tool Length:	140.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

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

Change Over Sub	1.00			4512.00	
shut In Tool	5.00			4517.00	
hydraulic tool	5.00			4522.00	
Jars	5.00			4527.00	
EM Tool	3.00			4530.00	
Safety Joint	3.00			4533.00	
Packer	5.00			4538.00	31.00 Bottom Of Top Packer
Packer	4.00			4542.00	
Stubb	1.00			4543.00	
Recorder	0.00	6625	Inside	4543.00	
Recorder	0.00	8652	Outside	4543.00	
perforations	33.00			4576.00	
Blank Off Sub	1.00			4577.00	
Packer	3.00			4580.00	35.00 Tool Interval
Packer	1.00			4581.00	
stubb	1.00			4582.00	
Change Over Sub	1.00			4583.00	
Recorder	0.00	8167	Below	4583.00	
Drill Pipe	63.00			4646.00	
change Over Sub	1.00			4647.00	
bullnose	4.00			4651.00	74.00 Bottom Packers & Anchor

**Total Tool Length: 140.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

**18-16S-24W Ness,KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

Job Ticket: 69838

**DST#: 2**

ATTN: Keaton Jones

Test Start: 2022.10.03 @ 21:32:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
318.00	MCW 10% mud 90% water	4.461
93.00	OSWCM 40% water 60% mud	1.305
1.00	oil 100%	0.014

Total Length: 412.00 ft

Total Volume: 5.780 bbl

Num Fluid Samples: 0

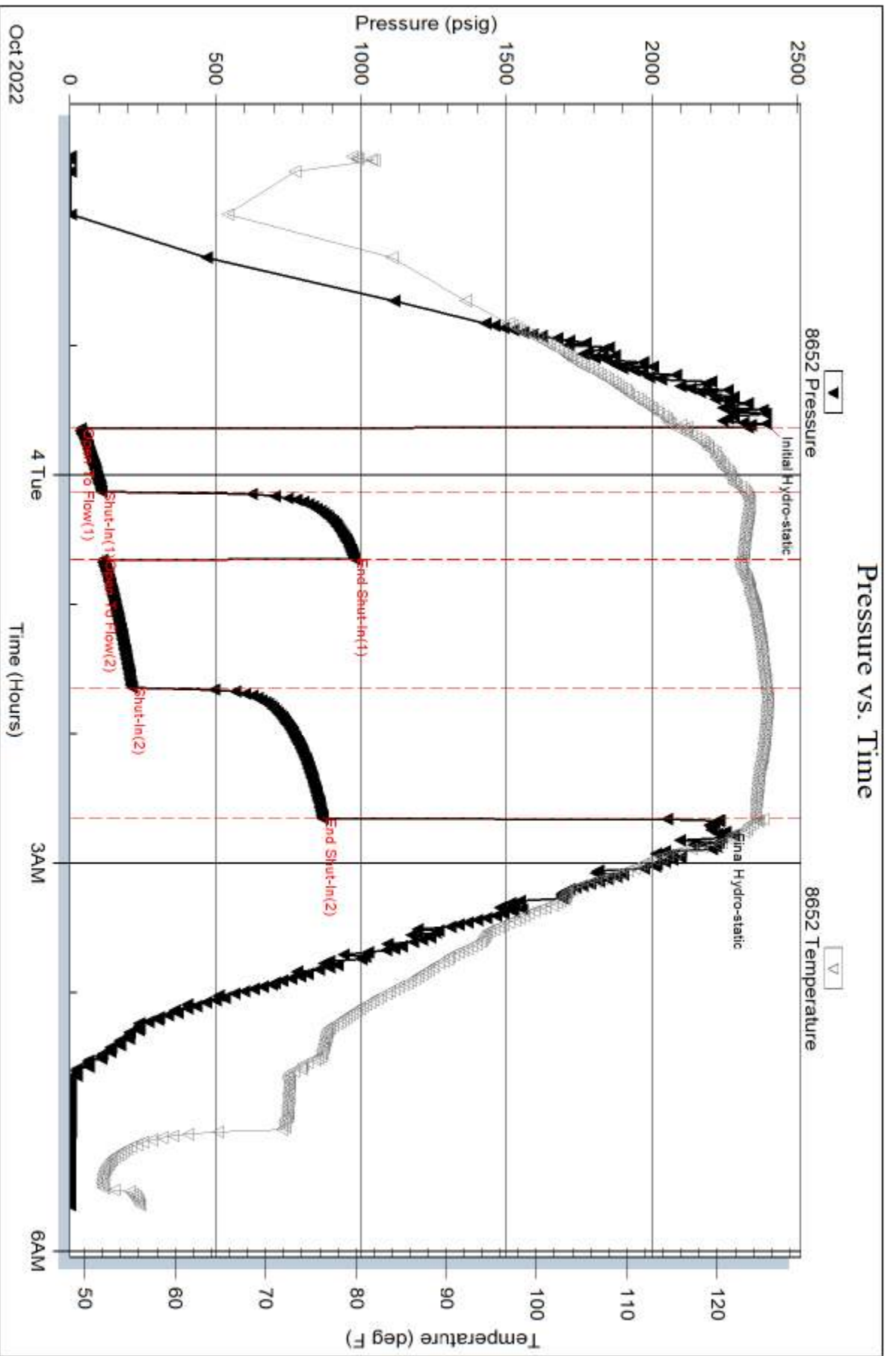
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



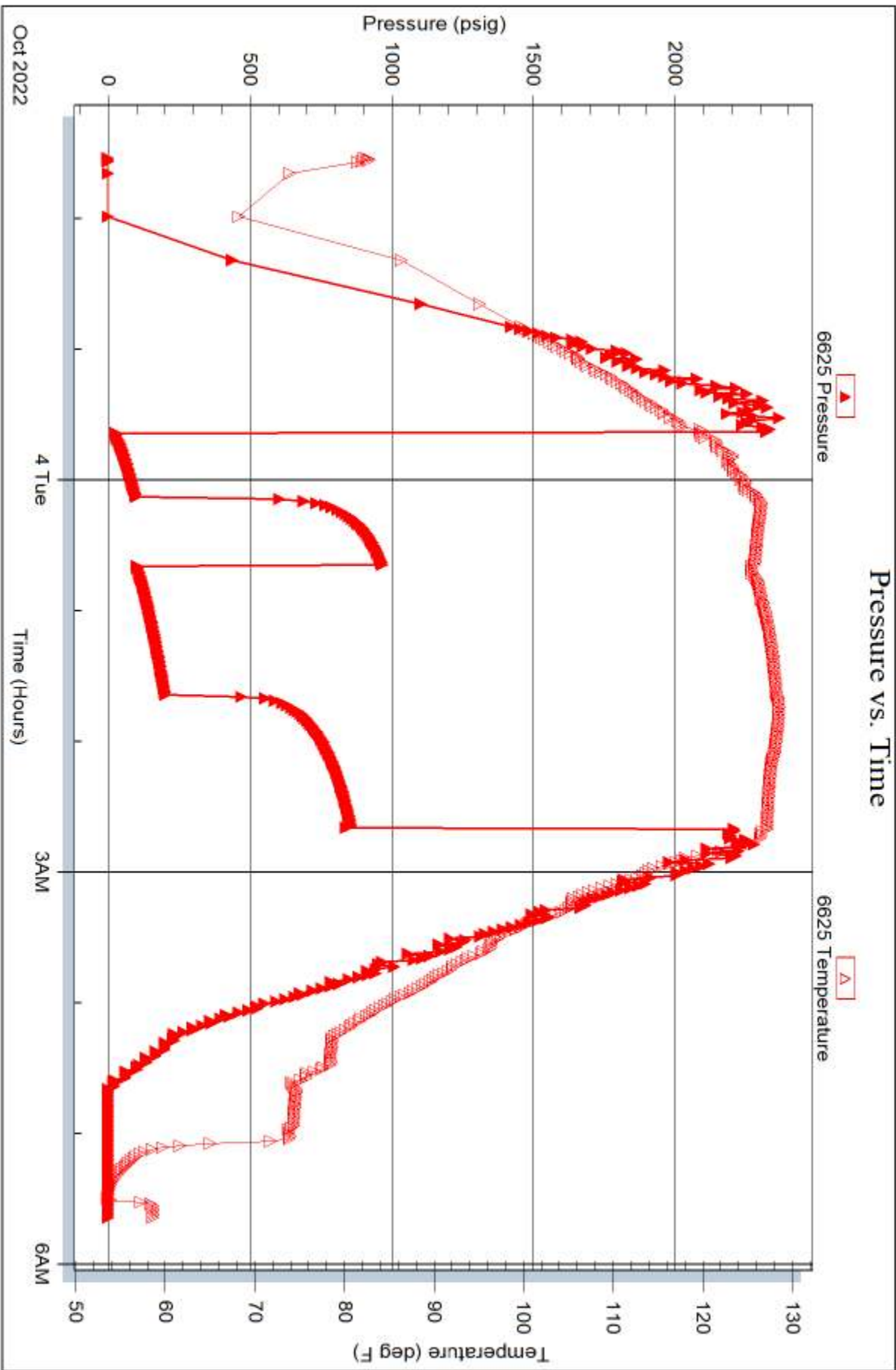
Serial #: 6625

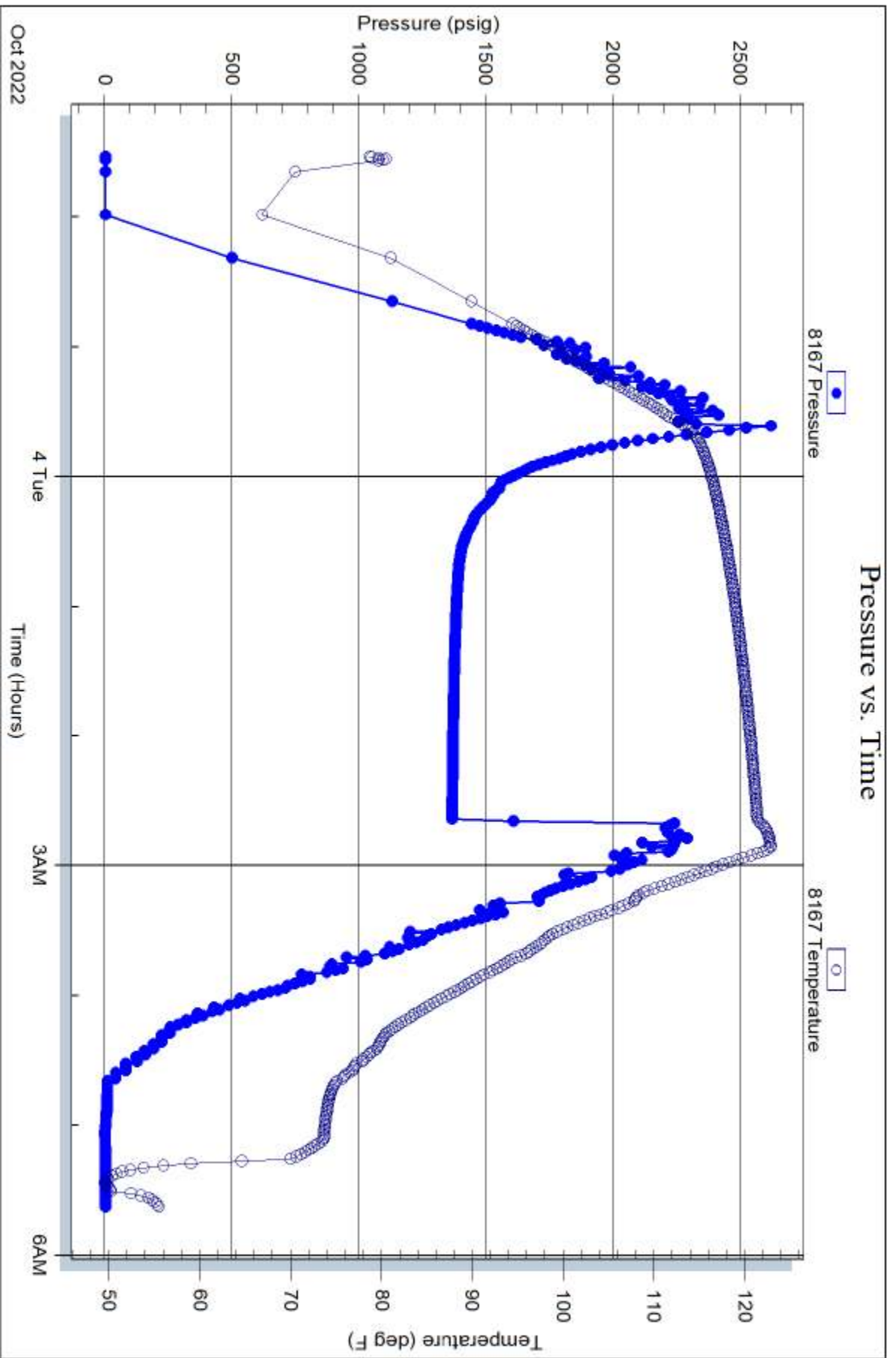
Inside

Palomino Petroleum

The Fountainhead #1

DST Test Number: 2







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **69837**

Well Name & No. The Fountainhead #1 Test No. 1 Date 10/23/22  
 Company Palomino Petroleum Elevation 2554 KB 25410 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Keaton Jones Rig Duke Rig #2  
 Location: Sec. 18 Twp 16S Rge. 24W Co. ~~10280~~ Ness State KS

Interval Tested 4450-4545 Zone Tested Miss  
 Anchor Length 95 Drill Pipe Run 4431 Mud Wt. 8.9  
 Top Packer Depth 4445 Drill Collars Run Ø Vis 59  
 Bottom Packer Depth 4450 Wt. Pipe Run Ø WL 5.8  
 Total Depth 4545 Chlorides 2100 ppm System LCM 2#

Blow Description IF- Built to 2 1/2"  
S14- No return  
FF- Built to 2 1/2"  
S12- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>SOCM</u>	<u>5</u>	<u>5</u>	<u>95</u>	<u>0</u>
<u>1</u>	<u>oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>

Rec Total 63 BHT 117 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2372  Test 1950 T-On Location 20:15  
 (B) First Initial Flow 66  Jars 300 T-Started 21:33  
 (C) First Final Flow 75  Safety Joint \_\_\_\_\_ T-Open 02:13  
 (D) Initial Shut-In 644  Circ Sub N/A T-Pulled 03:13  
 (E) Second Initial Flow 78  Hourly Standby \_\_\_\_\_ T-Out 05:59  
 (F) Second Final Flow 91  Mileage 114 171 Comments \_\_\_\_\_  
 (G) Final Shut-In 656  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2277  Straddle \_\_\_\_\_  EM Tool \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 66  Day Standby \_\_\_\_\_ Sub Total 0  
 Sub Total 2421  Accessibility \_\_\_\_\_ Total 2421  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Dust D

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. **69838**

Well Name & No. The Fountainhead #1 Test No. 2 Date 10/3/22  
 Company Palomino Petroleum Elevation 2554 KB 2546 GL  
 Address 4921 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Keaton Jones Rig Duke Rig #2  
 Location: Sec. 13 Twp 16S Rge. 24W Co. NeSS State KS

Interval Tested 4542-4580 Zone Tested MISS  
 Anchor Length 38 Drill Pipe Run 4530 Mud Wt. 9.1  
 Top Packer Depth 4531 Drill Collars Run 0 Vis 59  
 Bottom Packer Depth 4542 SP-4580 Wt. Pipe Run 0 WL 5.4  
 Total Depth 4651 Chlorides 2200 ppm System LCM 2#

Blow Description IF- BOB in 22 min, built to 1434"  
S12- No return  
FF- BOB in 34 min, built to 18"  
S12- NO return

Rec	Feet of	%gas	%oil	%water	%mud
<u>318</u>	<u>MCW</u>			<u>90%</u>	<u>10%</u>
<u>93</u>	<u>OSWCM</u>			<u>40%</u>	<u>60%</u>
<u>1</u>	<u>oil</u>		<u>100%</u>		

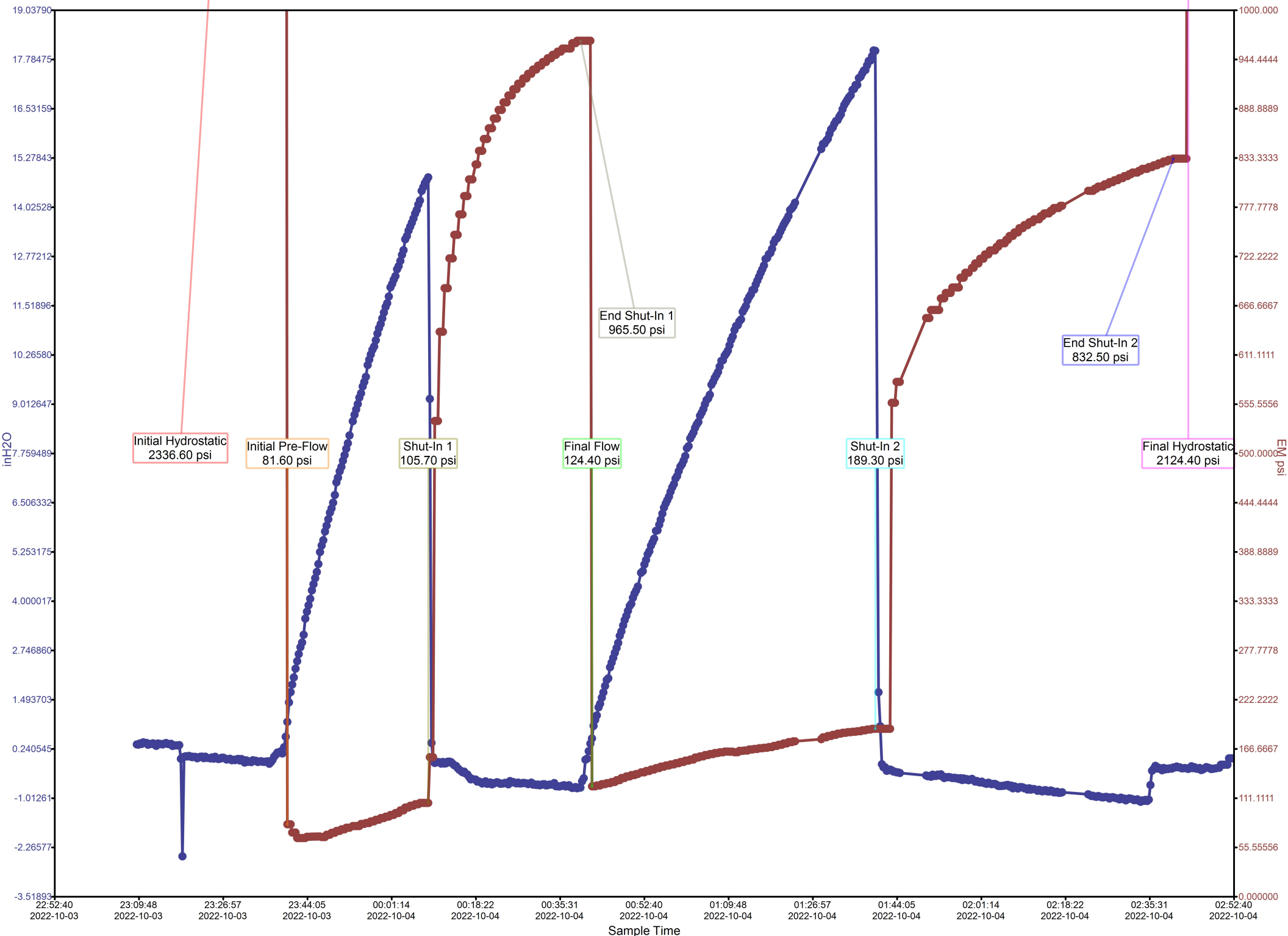
Rec Total 412 BHT 125 Gravity \_\_\_\_\_ API RW .40 @ 53 °F Chlorides 23000 ppm

(A) Initial Hydrostatic <u>2392</u>	<input checked="" type="checkbox"/> Test <u>1950</u>	T-On Location <u>20'00</u>
(B) First Initial Flow <u>38</u>	<input checked="" type="checkbox"/> Jars <u>300</u>	T-Started <u>21:32</u>
(C) First Final Flow <u>109</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>23:39</u>
(D) Initial Shut-In <u>977</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/A</u>	T-Pulled <u>02:39</u>
(E) Second Initial Flow <u>113</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>05:39</u>
(F) Second Final Flow <u>213</u>	<input checked="" type="checkbox"/> Mileage <u>114</u> <u>171</u>	Comments _____
(G) Final Shut-In <u>868</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2226</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input checked="" type="checkbox"/> EM Tool _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	Total <u>3021</u>
	Sub Total <u>3021</u>	MP/DST Disc't _____

Approved By \_\_\_\_\_ Our Representative DW \* Dy

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.

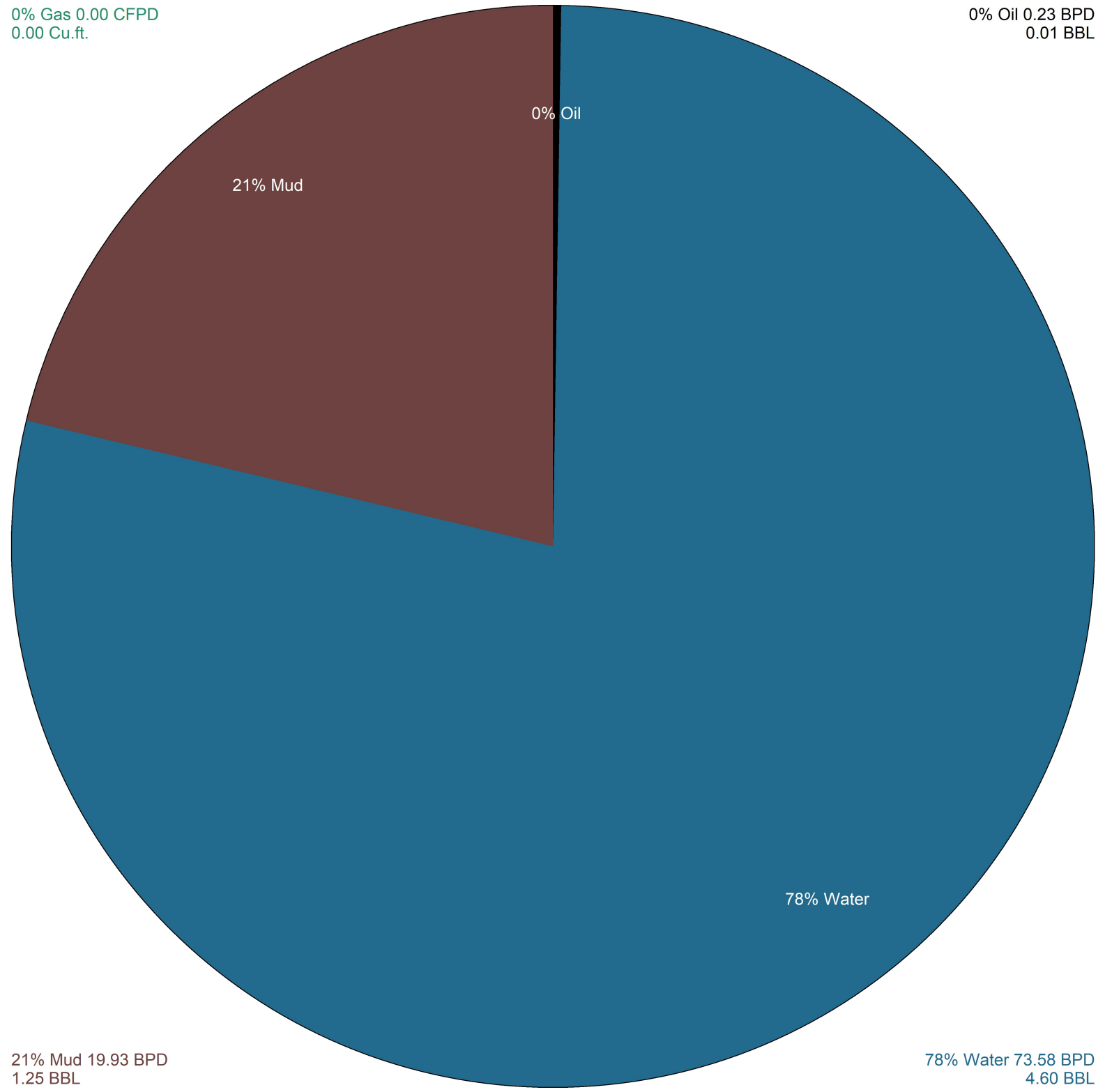
# Palomino Petroleum - The Fountainhead 1 - DST #2



Calculated Recovery Analysis - Palomino Petroleum - The Fountainhead 1 - DST #2

0% Gas 0.00 CFPD  
0.00 Cu.ft.

0% Oil 0.23 BPD  
0.01 BBL



0% Oil

21% Mud

78% Water

21% Mud 19.93 BPD  
1.25 BBL

78% Water 73.58 BPD  
4.60 BBL



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum

**18-16S-24W Ness, KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

ATTN: Keaton Jones

Job Ticket: 69838

**DST#: 2**

Test Start: 2022.10.03 @ 21:32:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:38:15

Time Test Ended: 05:38:30

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4542.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 2554.00 ft (KB)

Total Depth: 4651.00 ft (KB) (TVD)

2546.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 213.07 psig @ 4543.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.10.03 End Date: 2022.10.04

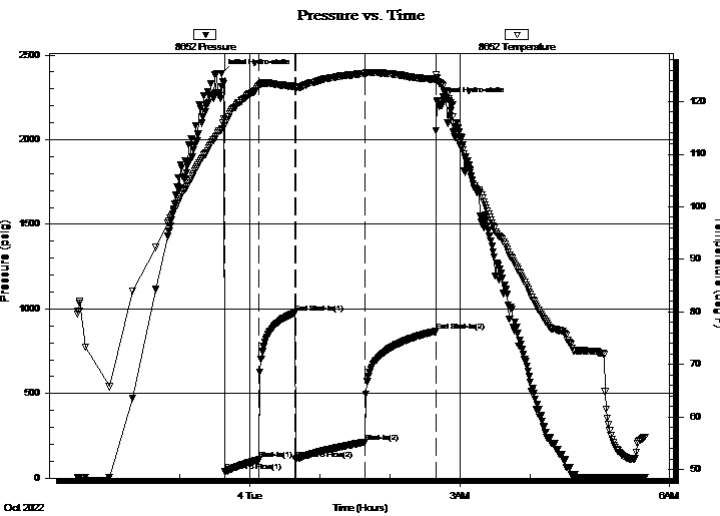
Last Calib.: 2022.10.04

Start Time: 21:32:05 End Time: 05:38:29

Time On Btm: 2022.10.03 @ 23:35:45

Time Off Btm: 2022.10.04 @ 02:40:15

**TEST COMMENT:** IF-30- BOB in 22 min, built to 14 3/4"  
SI1-30- No return  
FF-60- BOB in 34 min, built to 18"  
SI2-60- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2392.27	114.81	Initial Hydro-static
3	38.20	115.44	Open To Flow (1)
32	109.05	123.03	Shut-In(1)
63	976.64	122.86	End Shut-In(1)
64	112.62	122.54	Open To Flow (2)
123	213.07	125.39	Shut-In(2)
184	868.08	124.27	End Shut-In(2)
185	2226.24	124.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
318.00	MCW 10% mud 90% water	4.46
93.00	OSWCM 40% water 60% mud	1.30
1.00	oil 100%	0.01

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum

**18-16S-24W Ness, KS**

4924 84TH St.  
New ton, KS 67114

**The Fountainhead #1**

Job Ticket: 69838

**DST#: 2**

ATTN: Keaton Jones

Test Start: 2022.10.03 @ 21:32:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
318.00	MCW 10% mud 90% water	4.461
93.00	OSWCM 40% water 60% mud	1.305
1.00	oil 100%	0.014

Total Length: 412.00 ft

Total Volume: 5.780 bbl

Num Fluid Samples: 0

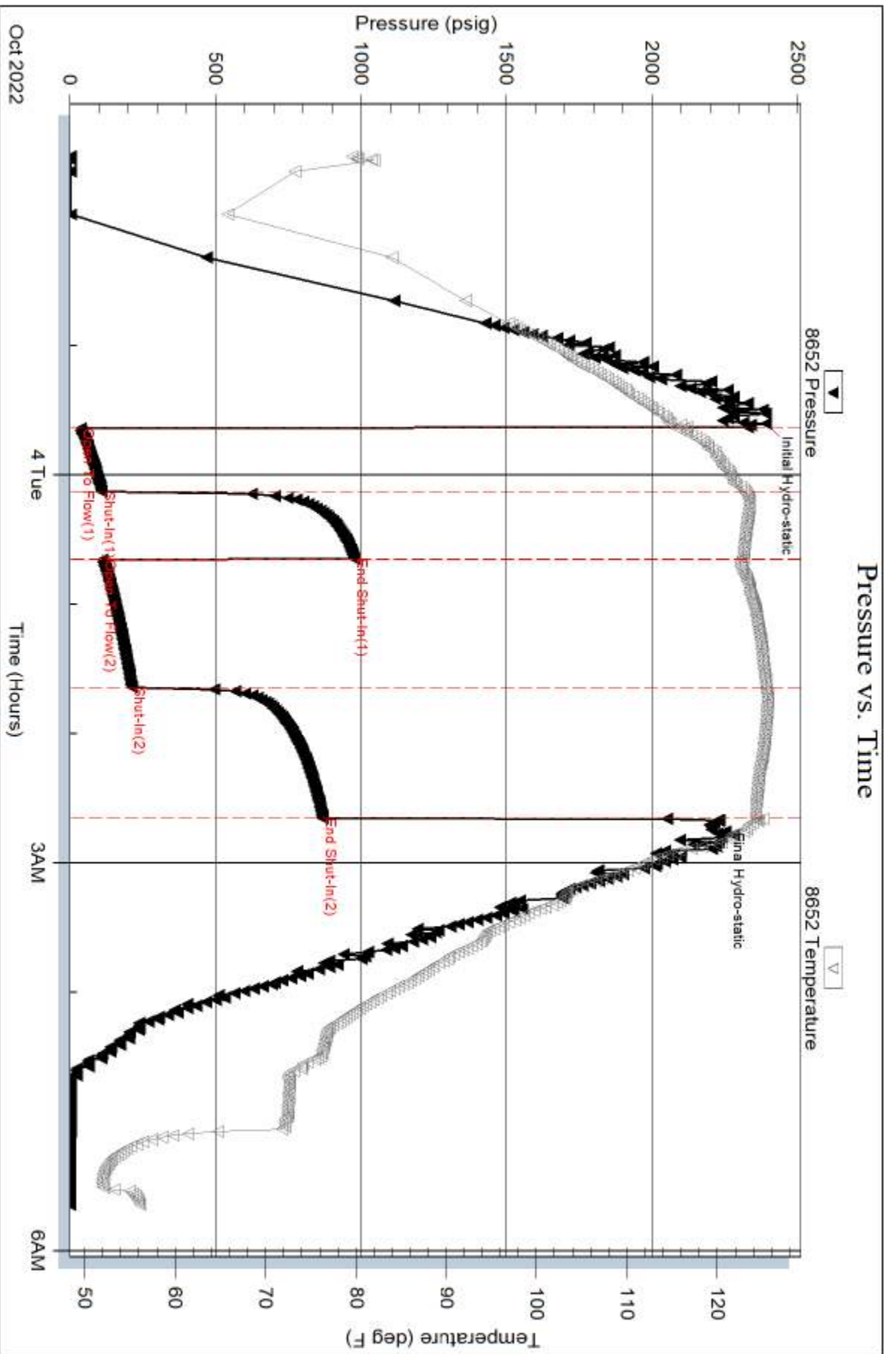
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





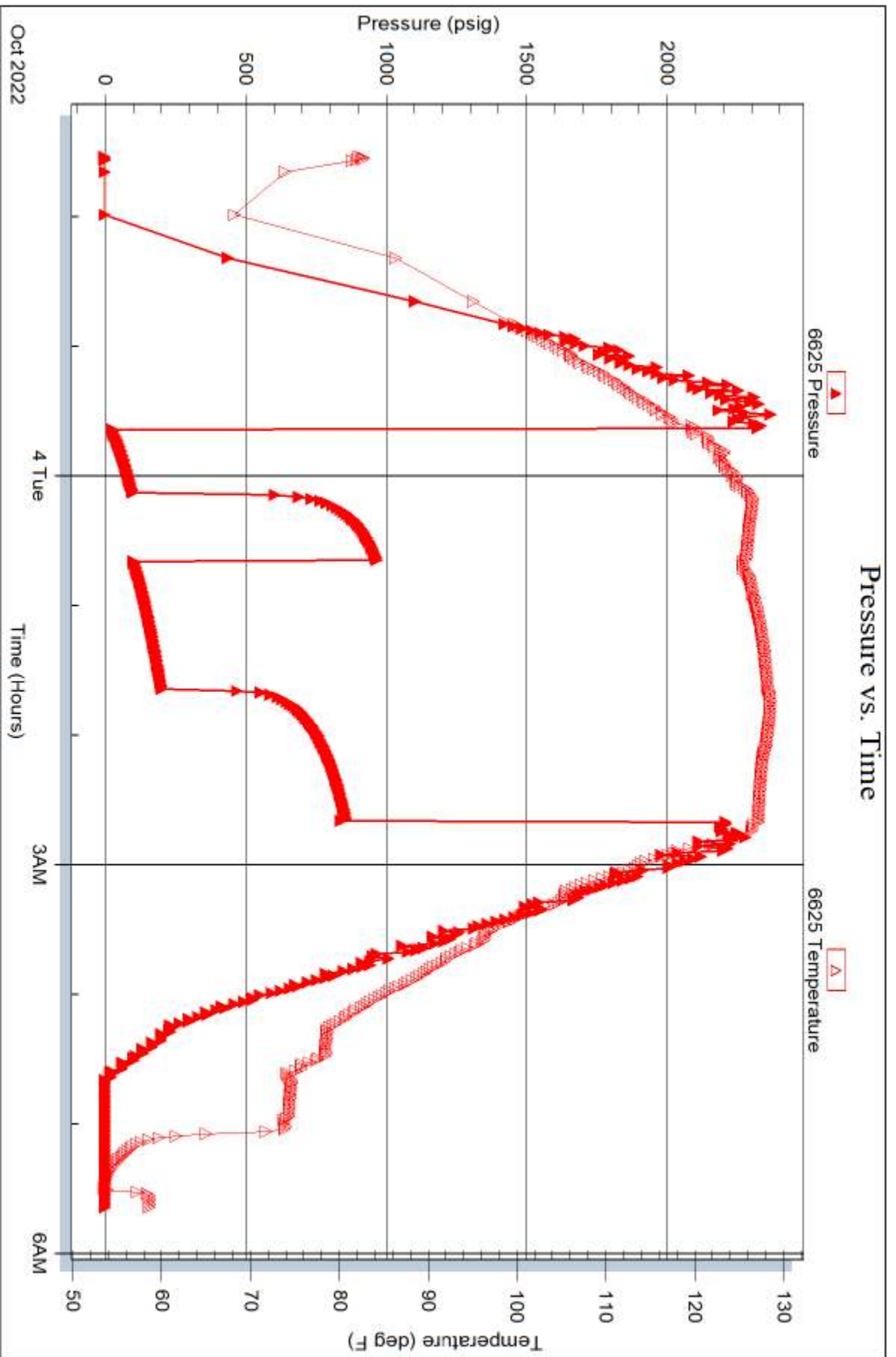
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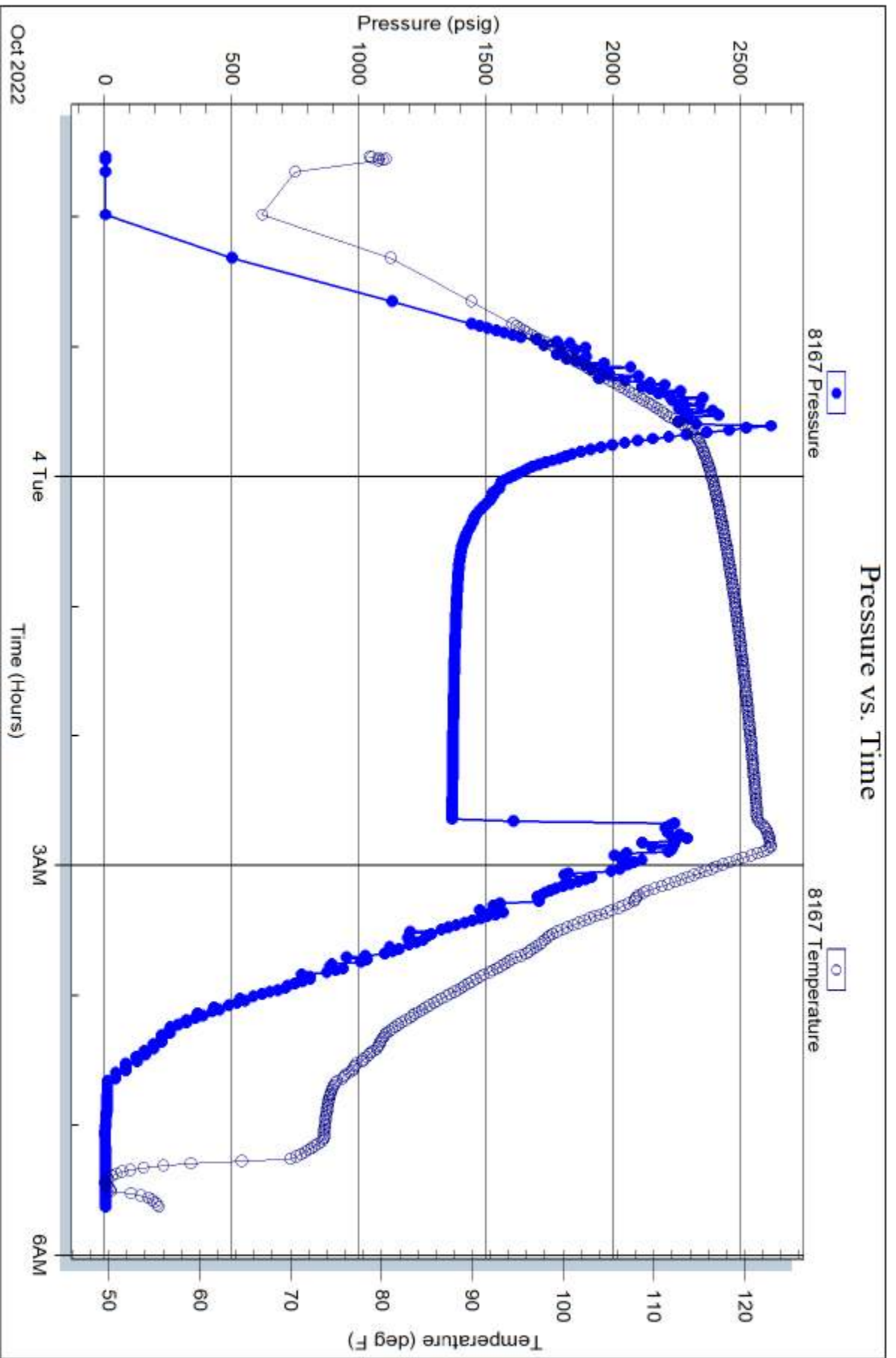
Inside

Palomino Petroleum

The Fountainhead #1

DST Test Number: 2







416 Main Street  
 P.O. Box 225  
 Victoria, KS 67671  
 Office (785) 639-3949  
 24 Hour Service Line (785) 639-7269

# Invoice

Date	Invoice #
10/4/2022	0740

Please Pay from this Invoice.  
 Remit Payment to:  
 416 Main Street PO BOX 225  
 Victoria, KS 67671  
 Billing Questions-Call Tianna at  
 (785) 639-3949  
 Email: franksoilfield@yahoo.com

KCC License Number  
 35469

<b>Bill To</b> Palomino Petroleum, Inc 4924 SE 84th St Newton, KS 67114-8827
---

**RECEIVED**  
 OCT 17 2022  
 BY: \_\_\_\_\_

County/State	Lease/Well#	Terms	Job Type
Ness County, KS	The Fountainhead 1	Net 30	PTA

Description	Quantity	Rate	Amount
Pump Charge	1	1,500.00	1,500.00
Mileage	67	6.50	435.50
12.25 tons at 67 miles	820.75	1.50	1,231.13
60/40 4% gel 1/4# floseal	250	16.75	4,187.50T
Discount		-367.70	-367.70

*Thank-You!*

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.	<b>Subtotal</b>	\$6,986.43
<i>We appreciate your business and look forward to serving you again!</i>	<b>Sales Tax (6.5%)</b>	\$258.58
	<b>Balance Due</b>	\$7,245.01

# FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269  
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 0740  
 LOCATION Victoria  
 FOREMAN Tam Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-4-22	30742	The Encroached 1	19	16	24W	Ness
CUSTOMER <u>Palomino Petroleum Inc.</u>			TRUCK #			
MAILING ADDRESS <u>4924 SE 84<sup>th</sup> St</u>			DRIVER <u>Tam W</u>		TRUCK #	
CITY <u>Newton</u>			DRIVER <u>Jack T</u>		TRUCK #	
STATE <u>Ks</u>			TRUCK #		DRIVER	
ZIP CODE <u>67114</u>			TRUCK #		DRIVER	

JOB TYPE PTA HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2" TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting & set up Pump #2 Plug as ordered

1) 1950'	50 sk
2) 1200'	80 sk
3) 270'	50 sk
CO'	20 sk
R.H.	30 sk
M.H.	20 sk
250 sk total	

*Thanks Tam & Jack*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC005	1	PUMP CHARGE <u>PTA</u>	\$1500.00	\$1500.00
MO01	67	MILEAGE	\$6.60	\$435.50
MO02	12.25 tons	Tan Mileage Delivery	\$1231.13	\$1,231.13
CB010	250 sk	CO/HO 20 gal 1/4" #812 seal	\$16.75	\$4,187.50
			subtotal	\$7,354.13
			less 5% disc	\$347.70
			subtotal	\$6,986.43
			SALES TAX	258.58
			ESTIMATED TOTAL	7245.01

AUTHORIZATION Dean Vazgy TITLE Pusher DATE 10-04-2022

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.