KOLAR Document ID: 1643878

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 # 30742
Name: Palomino Petroleum, Inc.
Address 1: 4924 SE 84TH ST
Address 2:
City: NEWTON State: KS Zip: 67114 + 8827
Contact Person: Nick Gerstner
Phone: (316) 799-1000
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Andrew Stenzel
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 #:

5/9/2022 Spud Date or Recompletion Date
5/16/2022 Date Reached TD
5/16/2022 Completion Date or Recompletion Date

API No.: 15-135-26164-00-00
Spot Description:
NW - NW - NW - SE Sec. 27 Twp. 16 S. R. 26 ☐ East ☑ West
2587 Feet from ☐ North / ☑ South Line of Section
2476 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ness
Lease Name: TRUE GRIT Well #: 1
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2633 Kelly Bushing: 2641
Total Vertical Depth: 4679 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 224 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: 10000 ppm Fluid volume: 3420 bbls
Dewatering method used: Evaporated
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: 06/02/2022
☐ **Confidential Release Date:** 06/01/2024
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** David Befort **Date:** 06/02/2022

Operator Name: Palomino Petroleum, Inc. Lease Name: TRUE GRIT Well #: 1

Sec. 27 Twp. 16 S. R. 26 ☐ East ☑ West County: Ness

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	224	H-325	200	H-325

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	TRUE GRIT 1
Doc ID	1643878

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	224	H-325	200	H-325

HURRICANE SERVICES INC

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

Customer:

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

Invoice Date:	5/9/2022
Invoice #:	0360667
Lease Name:	True Grit
Well #:	1 (New)
County:	Ness, Ks
Job Number:	WP2774
District:	Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	200.000	21.150	4,230.00
Light Eq Mileage	75.000	2.000	150.00
Heavy Eq Mileage	75.000	4.000	300.00
Ton Mileage	705.000	1.500	1,057.50
Cement Blending & Mixing	200.000	1.316	263.20
Service Supervisor	1.000	258.500	258.50
Depth Charge 0'-500'	1.000	940.000	940.00

Total 7,199.20

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!

Hurricane Services, Inc.
250 N. Water St., Suite #200
Wichita, KS 67202

Customer	Palomino Petroleum Inc	Lease & Well #	True Grit # 1	Date	5/9/2022
Service District	Oakley KS	County & State	Ness KS	Legals S/T/R	27-16S-26W
Job Type	Surface	☑ PROD ☐ INJ ☐ SWD		New Well?	☑ YES ☐ No
				Job #	
				Ticket #	WP-2774

Equipment #	Driver
78	Jesse
230	Michael
242	Charlies

Job Safety Analysis - A Discussion of Hazards & Safety Procedures

☑ Hard hat	☑ Gloves	☐ Lockout/Tagout	☐ Warning Signs & Flagging
☑ H2S Monitor	☑ Eye Protection	☐ Required Permits	☐ Fall Protection
☑ Safety Footwear	☐ Respiratory Protection	☑ Slip/Trip/Fall Hazards	☑ Specific Job Sequence/Expectations
☑ FRC/Protective Clothing	☐ Additional Chemical/Acid PPE	☑ Overhead Hazards	☑ Muster Point/Medical Locations
☑ Hearing Protection	☐ Fire Extinguisher	☐ Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity			Net Amount
CP015	H-325	sack	200.00			$4,230.00
M015	Light Equipment Mileage	mi	75.00			$150.00
M010	Heavy Equipment Mileage	mi	75.00			$300.00
M020	Ton Mileage	tm	705.00			$1,057.50
C060	Cement Blending & Mixing Service	sack	200.00			$263.20
R061	Service Supervisor	day	1.00			$258.50
D010	Depth Charge: 0'-500'	job	1.00			$940.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Based on this job, how likely is it you would recommend HSI to a colleague?

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely

				Net:	$7,199.20
Total Taxable	$ -	Tax Rate:			
State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.				Sale Tax:	$ -
				Total:	$ 7,199.20

HSI Representative: *Jesse Jones*

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 ½% 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 fom 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 informaiton in determining taxable services.

X_____ **CUSTOMER AUTHORIZATION SIGNATURE**

ftv: 15-2021/01/25
mplv: 262-2022/05/09

CEMENT TREATMENT REPORT

Customer:	Palomino Petroleum Inc	**Well:**	True Grit # 1	**Ticket:**	WP-2774
City, State:	Oakley KS	**County:**	Ness KS	**Date:**	5/9/2022
Field Rep:	Deon	**S-T-R:**	27-16S-26W	**Service:**	Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	224 ft
Casing Size:	8 5/8 in
Casing Depth:	223 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	14.2 bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft^3 / sx
Annular Bbls / Ft.:	0.0735 bbs / ft.
Depth:	224 ft
Annular Volume:	16.5 bbls
Excess:	
Total Slurry:	50.2 bbls
Total Sacks:	200 sx

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

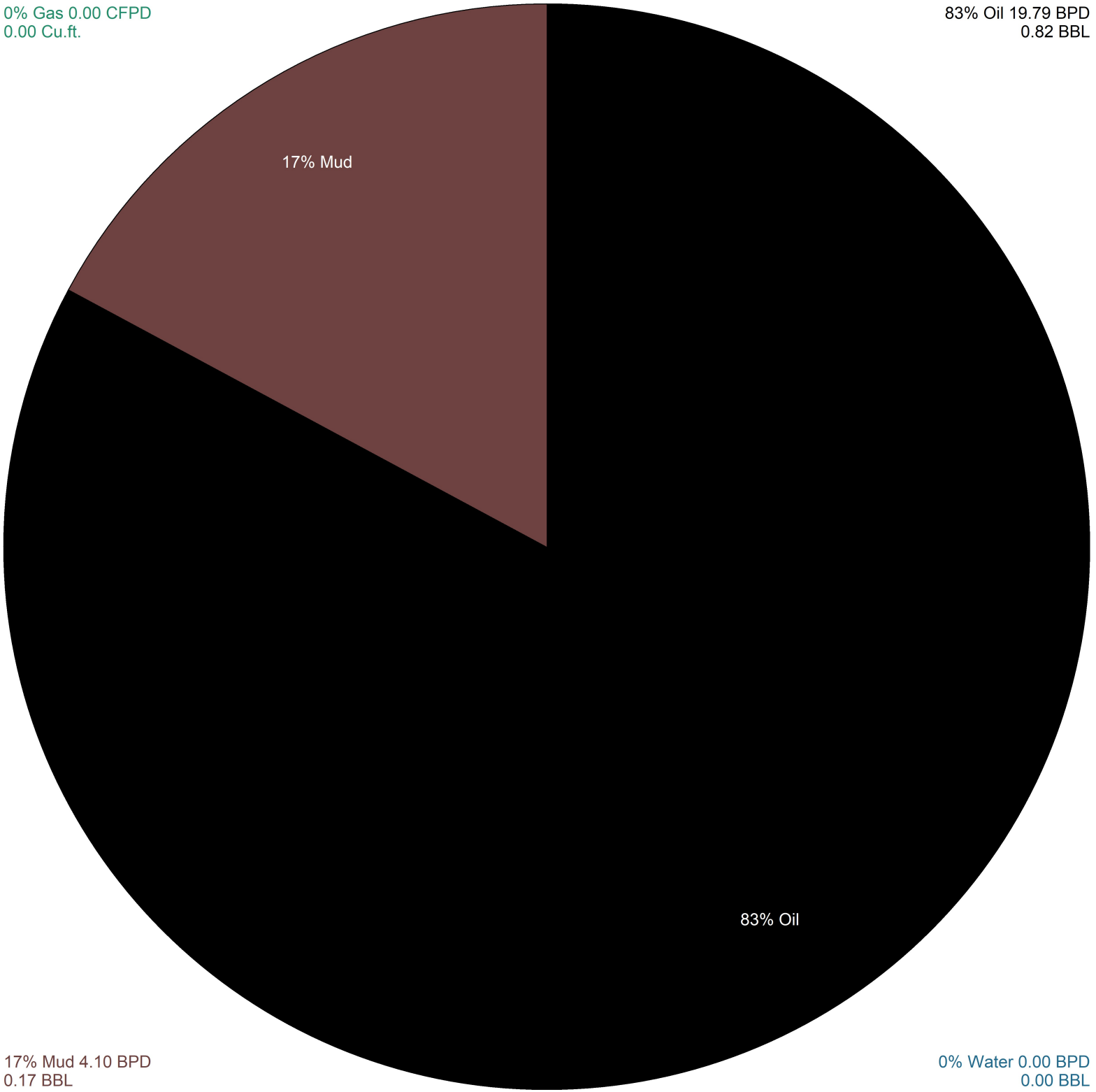
TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
2:20p			-	-	Arrival
2:25p				-	Safety meeting
2:30p				-	Rig up
2:45p				-	Circulate hole
2:50p	4.4	50.0	5.0	5.0	H2O ahead
2:52p	4.2	180.0	50.2	55.2	Mixed 200 sks of H-325 @ 14.8 ppg @ 224'
3:05p	4.0	240.0	14.2	69.4	Displaced H2O
3:15p				69.4	Plug down
3:17p				69.4	Wash up
3:26p				69.4	Rig down
3:45p				69.4	Depart location
					Circulated 5 bbl to pit

	CREW	UNIT
Cementer:	Jesse	78
Pump Operator:	Michael	230
Bulk #1:	Charlies	242
Bulk #2:		

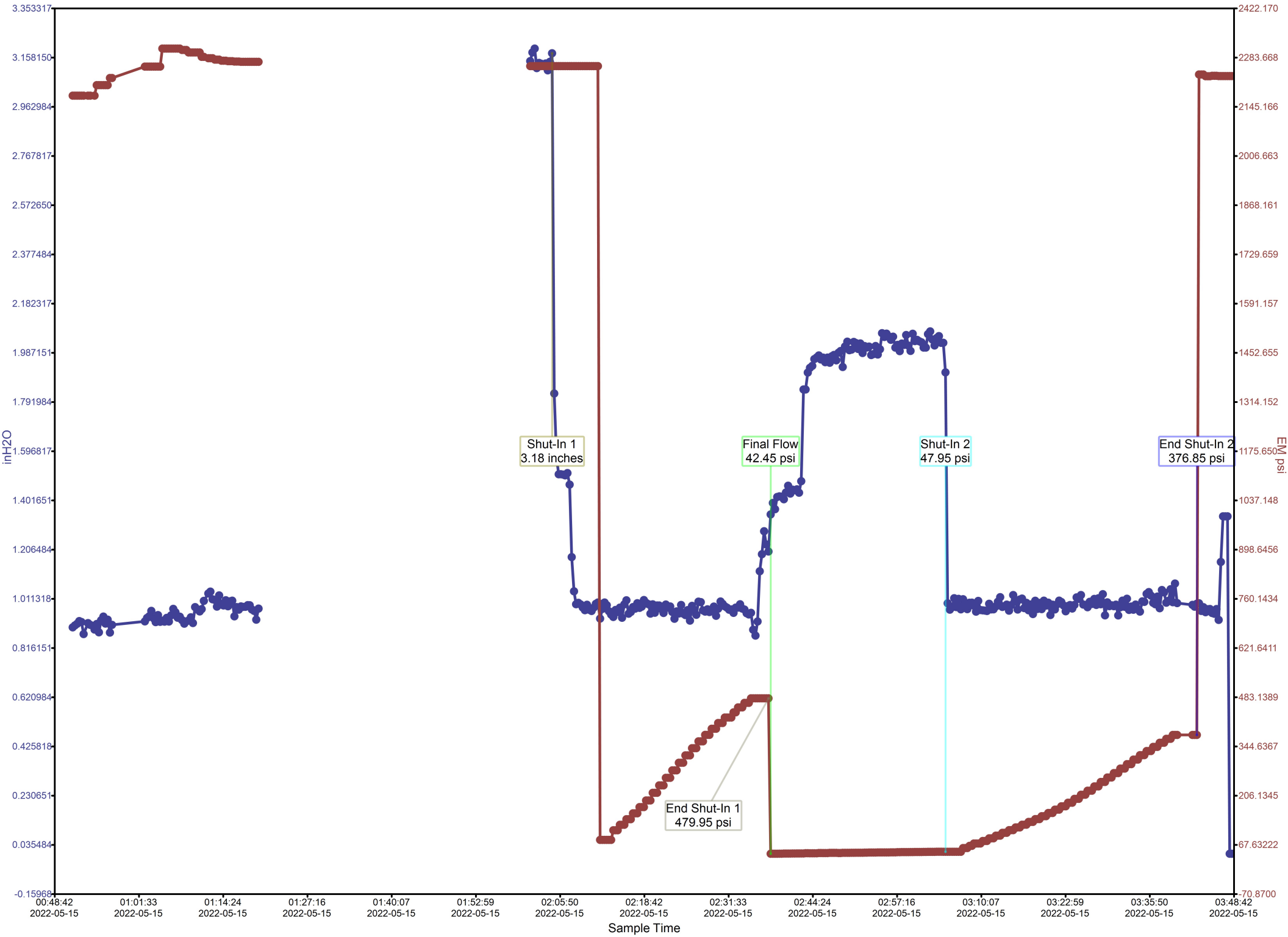
SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.2 bpm	157 psi	69 bbls

ftv: 15-2021/01/25
mplv: 262-2022/05/09

Calculated Recovery Analysis - Palomino Petroleum - True Grit 1 - dst 1



Palomino Petroleum - True Grit 1 - dst 1



DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE ST
New ton Ks 67114-8827

ATTN: Andrew Stenzel

27 16 26W

True Grit

Job Ticket: 68641 **DST#: 1**

Test Start: 2022.05.14 @ 22:55:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:34:45
Time Test Ended: 06:33:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Terry
Unit No: 75

Interval: 4573.00 ft (KB) To 4598.00 ft (KB) (TVD)
Total Depth: 4598.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

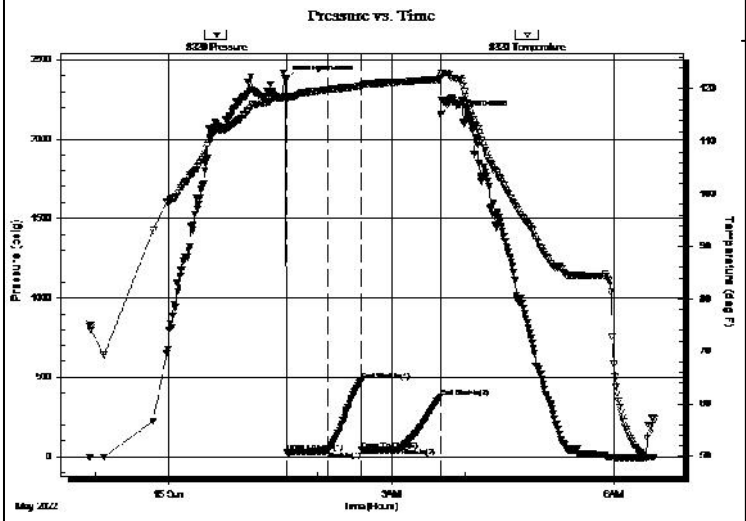
Reference Elevations: 2641.00 ft (KB)
ft (CF)
KB to GR/CF: ft

Serial #: 8320

Press@RunDepth: 56.48 psig @ ft (KB)
Start Date: 2022.05.14 End Date: 2022.05.15
Start Time: 22:55:05 End Time: 06:33:29

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2022.05.15 @ 01:34:30
Time Off Btm: 2022.05.15 @ 03:39:45

TEST COMMENT: IF - 30 - 3 Inches
ISI - 30 - No return
FF - 30 - 2 Inches
FSI-30 - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2376.24	118.54	Initial Hydro-static
1	31.30	117.83	Open To Flow (1)
34	36.29	119.87	Shut-In(1)
62	476.79	120.61	End Shut-In(1)
62	44.91	120.56	Open To Flow (2)
94	56.48	121.39	Shut-In(2)
125	378.01	121.88	End Shut-In(2)
126	2153.29	122.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	60 % oil 40 %mjd	0.44
40.00	100 % oil	0.58

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE ST
New ton Ks 67114-8827

ATTN: Andrew Stenzel

27 16 26W

True Grit

Job Ticket: 68641 **DST#: 1**

Test Start: 2022.05.14 @ 22:55:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:34:45
Time Test Ended: 06:33:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Terry
Unit No: 75

Interval: 4573.00 ft (KB) To 4598.00 ft (KB) (TVD)
Total Depth: 4598.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

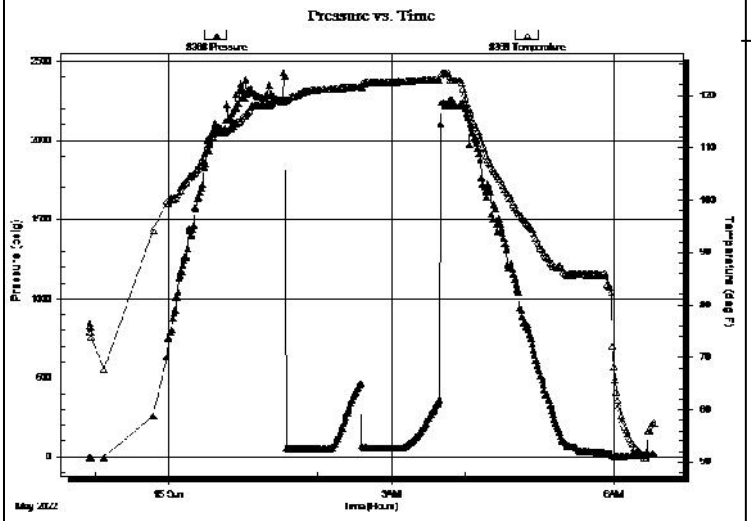
Reference Elevations: 2641.00 ft (KB)
ft (CF)
KB to GR/CF: ft

Serial #: 8368

Press@RunDepth: psig @ ft (KB)
Start Date: 2022.05.14 End Date: 2022.05.15
Start Time: 22:55:05 End Time: 06:33:14

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF - 30 - 3 Inches
ISI - 30 - No return
FF - 30 - 2 Inches
FSI-30 - No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	60 % oil 40 %mjd	0.44
40.00	100 % oil	0.58

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

4924 SE ST
New ton Ks 67114-8827

ATTN: Andrew Stenzel

27 16 26W

True Grit

Job Ticket: 68641 **DST#: 1**

Test Start: 2022.05.14 @ 22:55:00

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:	61.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	19001.00 ppm				
Filter Cake:	inches				

Recovery Information

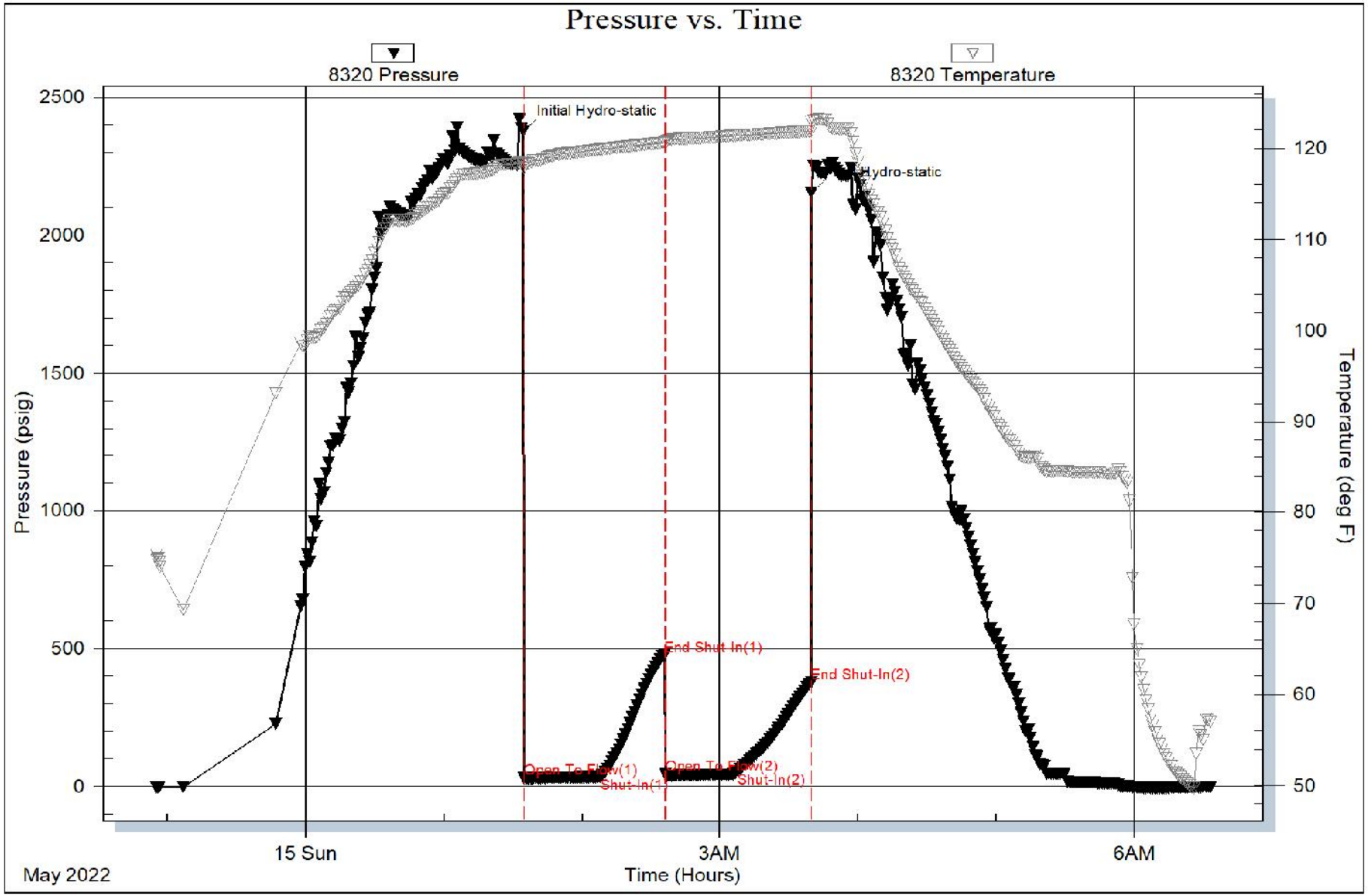
Recovery Table

Length ft	Description	Volume bbl
30.00	60 % oil 40 %mjd	0.436
40.00	100 % oil	0.582

Total Length: 70.00 ft Total Volume: 1.021 bbl

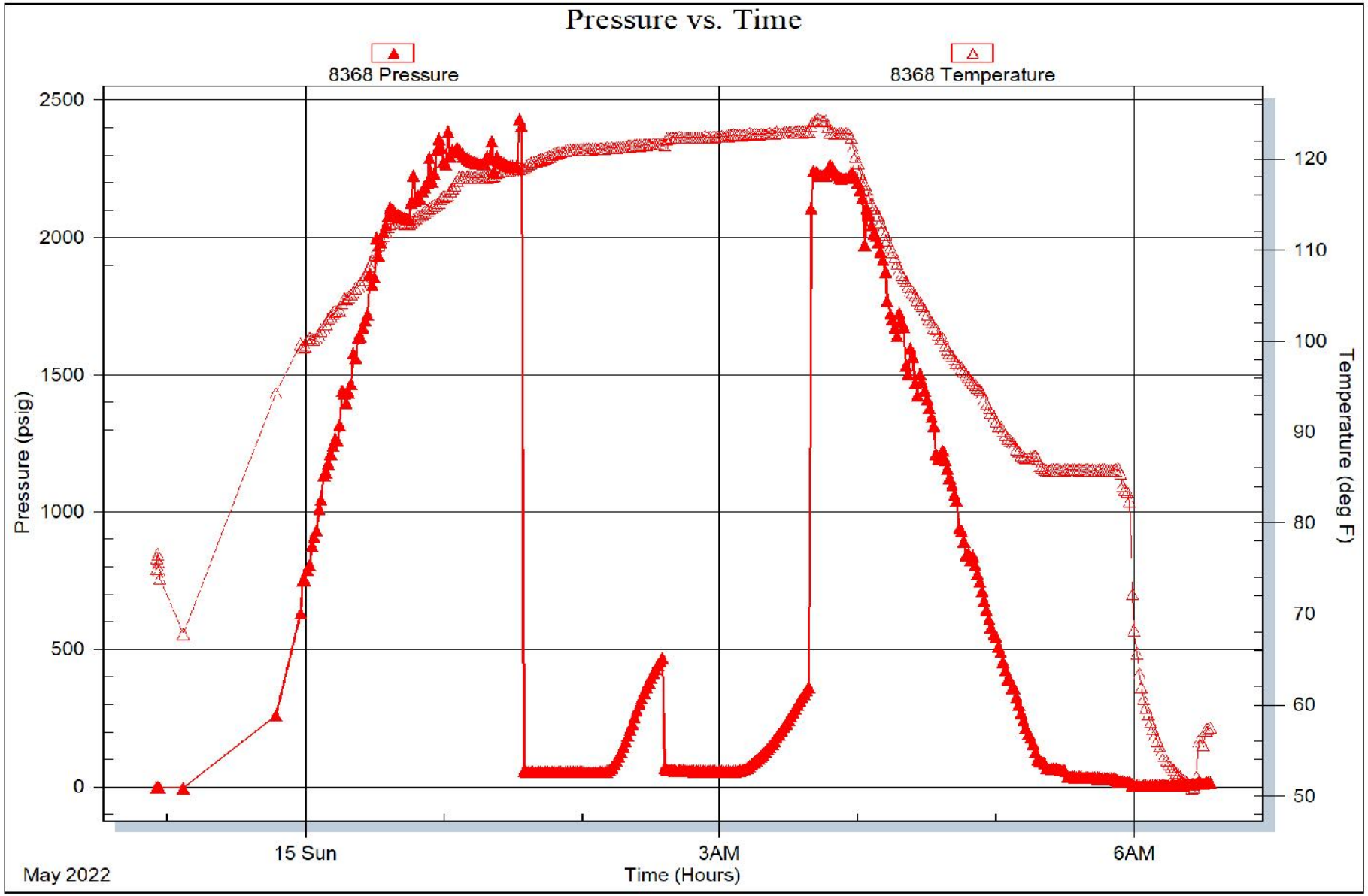
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8320 | Palomino Petroleum | True Grit | DST Test Number: 1



Trilobite Testing, Inc | Ref. No: 68641 | Printed: 2022.05.15 @ 08:23:16

Serial #: 8368 | Palomino Petroleum | True Grit | DST Test Number: 1



Trilobite Testing, Inc | Ref. No: 68641 | Printed: 2022.05.15 @ 08:23:16

DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE ST
Newton Ks 67114-8827

ATTN: Andrew STENZEL

27 16 26W

True Grit

Job Ticket: 68642 **DST#: 2**

Test Start: 2022.05.15 @ 22:45:00

GENERAL INFORMATION:

Formation: **Marmaton , FT Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:51:30
Time Test Ended: 06:05:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Terry
Unit No: 75

Interval: 4301.00 ft (KB) To 4500.00 ft (KB) (TVD)
Total Depth: 4598.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

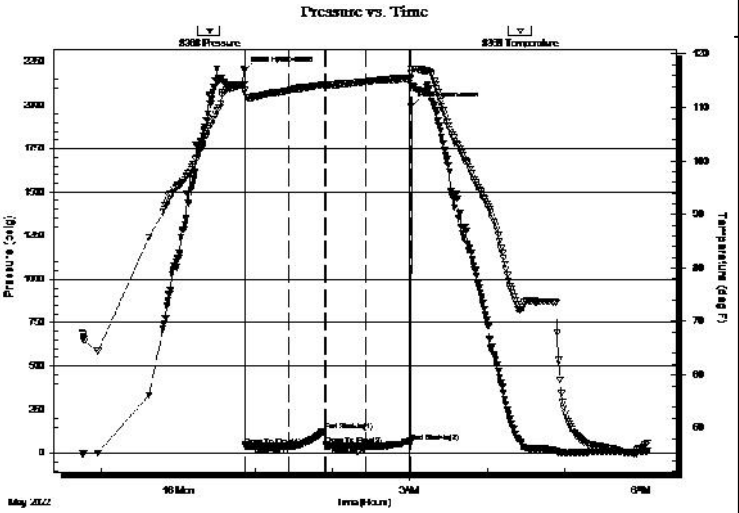
Reference Elevations: 2641.00 ft (KB)
ft (CF)
KB to GR/CF: ft

Serial #: 8368 **Inside**

Press@RunDepth: 39.11 psig @ 4302.00 ft (KB)
Start Date: 2022.05.15 End Date: 2022.05.16
Start Time: 22:45:05 End Time: 06:04:59

Capacity: 8000.00 psig
Last Calib.: 2022.05.16
Time On Btm: 2022.05.16 @ 00:51:15
Time Off Btm: 2022.05.16 @ 03:01:00

TEST COMMENT: IF - 30 - no blow
ISI - 30 - no blow
FF - 30 - no blow
FSI - 30 - no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.64	114.33	Initial Hydro-static
1	44.30	113.29	Open To Flow (1)
35	42.54	113.22	Shut-In(1)
63	129.25	114.29	End Shut-In(1)
63	45.34	114.25	Open To Flow (2)
94	39.11	114.84	Shut-In(2)
130	66.90	115.51	End Shut-In(2)
130	1991.79	116.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% mud	0.22

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE ST
New ton Ks 67114-8827

ATTN: Andrew STENZEL

27 16 26W

True Grit

Job Ticket: 68642 **DST#: 2**

Test Start: 2022.05.15 @ 22:45:00

GENERAL INFORMATION:

Formation: **Marmaton , FT Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:51:30
Time Test Ended: 06:05:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Terry
Unit No: 75

Interval: 4301.00 ft (KB) To 4500.00 ft (KB) (TVD)
Total Depth: 4598.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

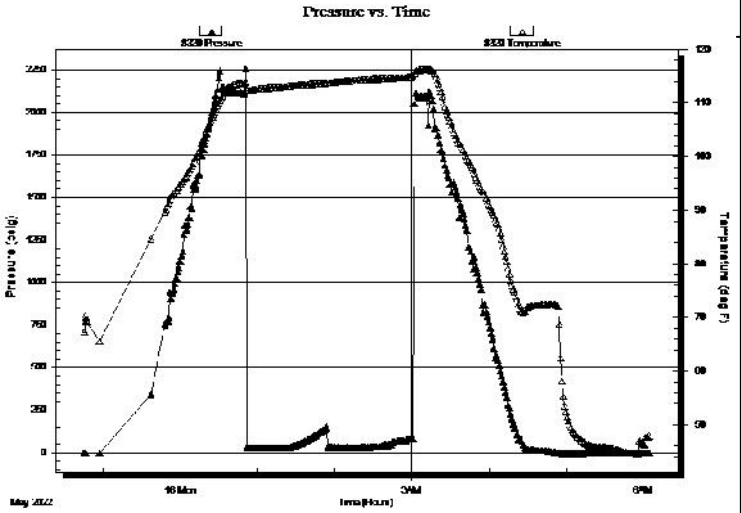
Reference Elevations: 2641.00 ft (KB)
ft (CF)
KB to GR/CF: ft

Serial #: 8320 **Outside**

Press@RunDepth: psig @ 4302.00 ft (KB)
Start Date: 2022.05.15 End Date: 2022.05.16
Start Time: 22:45:05 End Time: 06:05:29

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF - 30 - no blow
ISI - 30 - no blow
FF - 30 - no blow
FSI - 30 - no blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% mud	0.22

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE ST
Newton Ks 67114-8827

ATTN: Andrew STENZEL

27 16 26W

True Grit

Job Ticket: 68642 **DST#: 2**

Test Start: 2022.05.15 @ 22:45:00

GENERAL INFORMATION:

Formation: **Marmaton , FT Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:51:30
Time Test Ended: 06:05:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Terry
Unit No: 75

Interval: 4301.00 ft (KB) To 4500.00 ft (KB) (TVD)
Total Depth: 4598.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

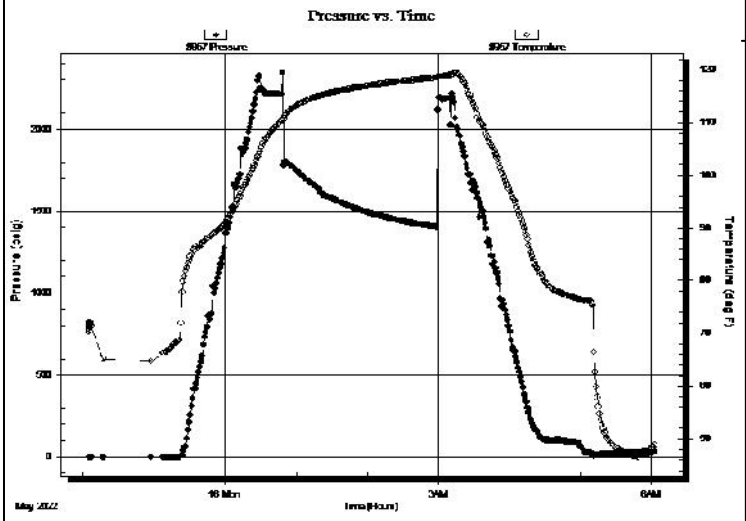
Reference Elevations: 2641.00 ft (KB)
ft (CF)
KB to GR/CF: ft

Serial #: 8957

Press@RunDepth: psig @ ft (KB)
Start Date: 2022.05.15 End Date: 2022.05.16
Start Time: 22:05:01 End Time: 06:03:30

Capacity: 8000.00 psig
Last Calib.: 2022.05.16
Time On Btm:
Time Off Btm:

TEST COMMENT: IF - 30 - no blow
ISI - 30 - no blow
FF - 30 - no blow
FSI - 30 - no blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% mud	0.22

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

4924 SE ST
Newton Ks 67114-8827

ATTN: Andrew STENZEL

27 16 26W

True Grit

Job Ticket: 68642 **DST#: 2**

Test Start: 2022.05.15 @ 22:45:00

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:	61.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.40 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	19001.00 ppm				
Filter Cake:	inches				

Recovery Information

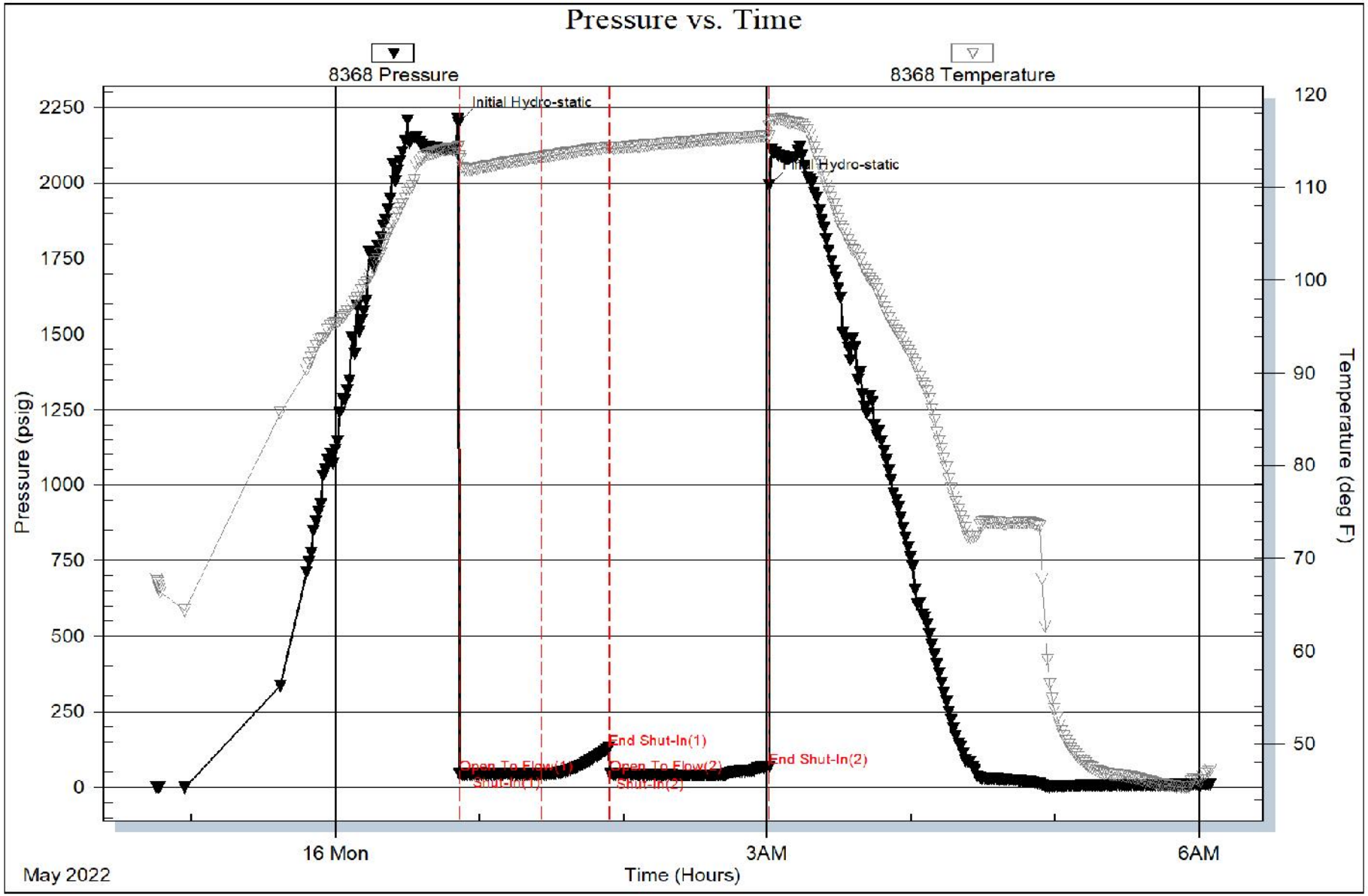
Recovery Table

Length ft	Description	Volume bbl
15.00	100% mud	0.218

Total Length: 15.00 ft Total Volume: 0.218 bbl

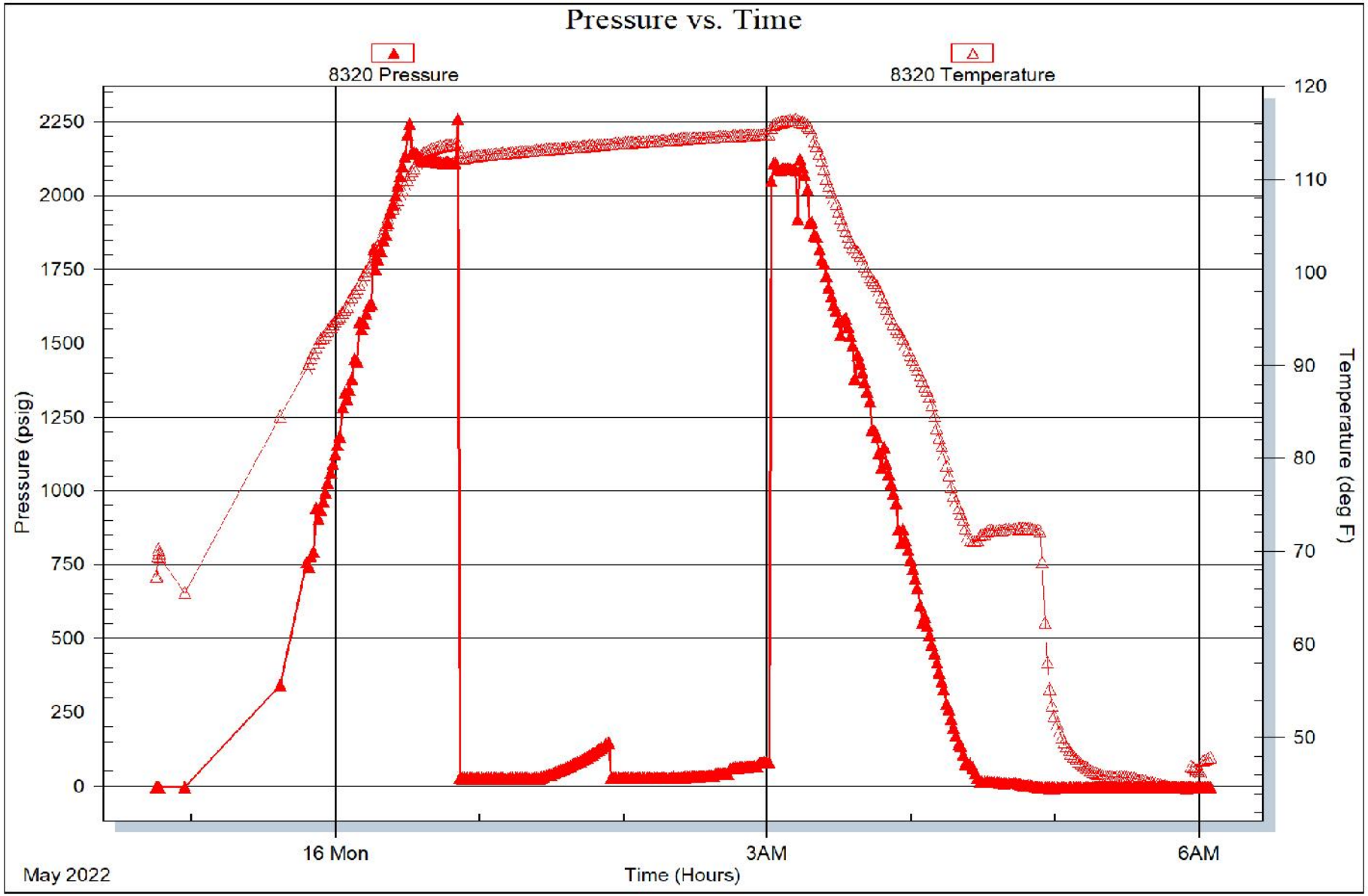
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8368 **Inside** Palomino Petroleum True Grit DST Test Number: 2



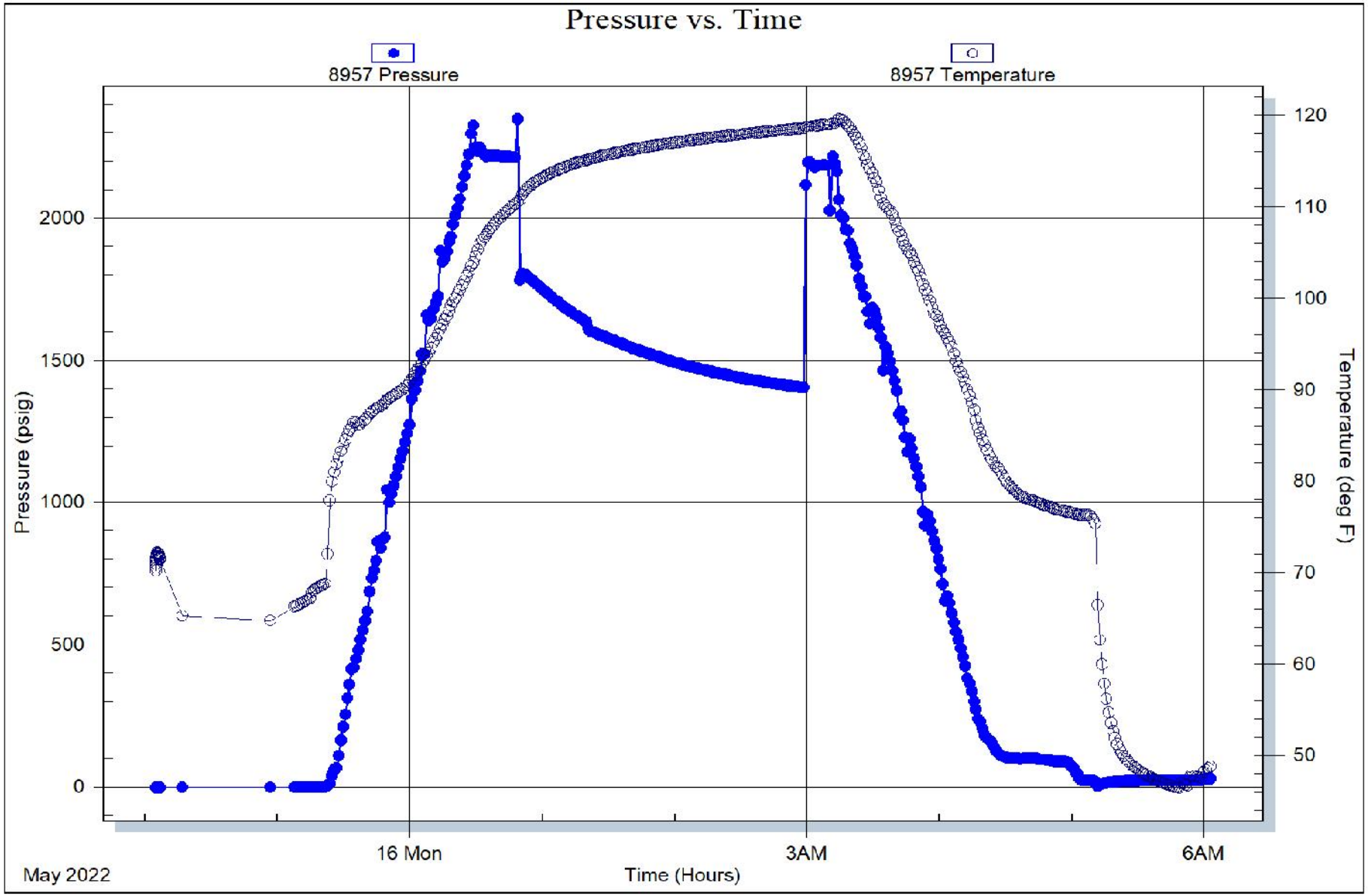
Trilobite Testing, Inc Ref. No: 68642 Printed: 2022.05.16 @ 07:19:22

Serial #: 8320 **Outside** Palomino Petroleum True Grit DST Test Number: 2



Trilobite Testing, Inc Ref. No: 68642 Printed: 2022.05.16 @ 07:19:22

Serial #: 8957 | Palomino Petroleum | True Grit | DST Test Number: 2



Trilobite Testing, Inc | Ref. No: 68642 | Printed: 2022.05.16 @ 07:19:22

Andrew Stenzel
Geologist
Ness City, Kansas
Home
(785) 798-3400
Cell
(785) 798-5977

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

Well Name:	**True Grit #1**		
API:	**15-135-25164-00-00**		
Location:	**SE/4 Sec. 27-16S-26W (Ness County)**		
License Number:	**30742**	**Region:**	**KANSAS**
Spud Date:	**5/9/2022**	**Drilling Completed:**	**5/16/2022**
Surface Coordinates:	**2587' FSL & 2476' FEL**		
Bottom Hole Coordinates:			
Ground Elevation (ft):	**2633**	**K.B. Elevation (ft):**	**2641**
Logged Interval (ft):	**3700 To: TD**	**Total Depth (ft):**	**4680**
Formation:	**MISSISSIPPIAN**		
Type of Drilling Fluid:	**Mud-Co Chemical**		

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

OPERATOR

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

GEOLOGIST

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

Drilling Report

DAILY DRILLING REPORT:
5/9/22 MIRU, ran surface casing
5/10/22 Drilling @ 560'
5/11/22 Drilling @ 2296'
5/12/22 Drilling @ 3200'
5/13/22 Drilling @ 3968'
5/14/22 Doing bit trip @ 4445'
5/15/22 DST #1, ran electric logs
5/16/22 DST #2, plugged and abandoned.

Services

RIG: Duke Drilling, Rig #2

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

Casing Record

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing set @ 224'

PRODUCTION Casing: None

Formation Tops

Sample Tops		LogTops	
Anhy.	2040 (+601)	Anhy.	2035 (+606)
Base Anhy.	2085 (+556)	Base Anhy.	2066 (+575)
Heebner	3916 (-1275)	Heebner	3915 (-1274)
Lansing	3959 (-1318)	Lansing	3957 (-1316)
BKC	4262 (-1621)	BKC	4259 (-1618)
Pawnee	4389 (-1748)	Pawnee	4390 (-1749)
Ft. Scott	4459 (-1818)	Ft. Scott	4459 (-1818)
Cher. Sh.	4484 (-1843)	Cher. Sh.	4483 (-1842)
Miss.	4572 (-1931)	Miss.	4570 (-1929)
RTD	4680 (-2039)	LTD	4679 (-2038)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE ST
Newton Ks 67114-8827

ATTN: Andrew Stenzel

27 16 26W

True Grit

Job Ticket: 68841 **DST#: 1**

Test Start: 2022.05.14 @ 22:55:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:34:45
Time Test Ended: 06:33:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Terry
Unit No: 75

Interval: 4573.00 ft (KB) To 4598.00 ft (KB) (TVD)
Total Depth: 4598.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

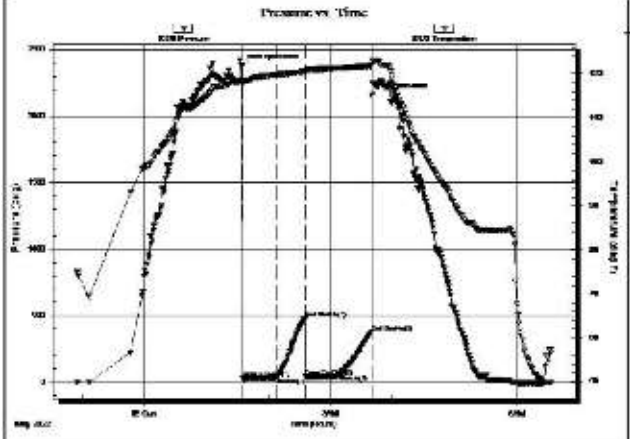
Reference Elevations: 2641.00 ft (KB)
ft (CF)
KB to GR/CF: ft

Serial #: 8320

Press@RunDepth: 56.48 psig @ ft (KB)
Start Date: 2022.05.14 End Date: 2022.05.15
Start Time: 22:55:05 End Time: 06:33:29

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2022.05.15 @ 01:34:30
Time Off Btm: 2022.05.15 @ 03:39:45

TEST COMMENT: IF - 30 - 3 Inches
ISI - 30 - No return
FF - 30 - 2 Inches
FSI-30 - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2376.24	118.54	Initial Hydro-static
1	31.30	117.83	Open To Flow (1)
34	36.29	119.87	Shut-In(1)
62	476.79	120.61	End Shut-In(1)
62	44.91	120.56	Open To Flow (2)
94	56.48	121.39	Shut-In(2)
125	378.01	121.88	End Shut-In(2)
126	2153.29	122.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	60 % oil 40 %mjd	0.44
40.00	100 % oil	0.58

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE ST
Newton Ks 67114-8827

ATTN: Andrew STENZEL

27 16 26W

True Grit

Job Ticket: 68842 **DST#: 2**

Test Start: 2022.05.15 @ 22:45:00

GENERAL INFORMATION:

Formation: **Marmaton , FT Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:51:30
Time Test Ended: 06:05:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Terry
Unit No: 75

Interval: 4301.00 ft (KB) To 4500.00 ft (KB) (TVD)
Total Depth: 4598.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

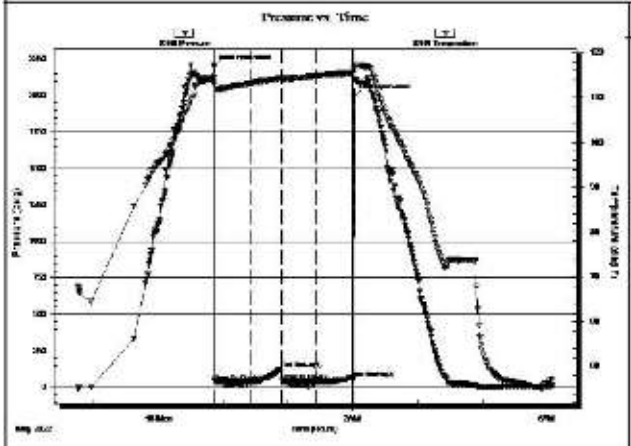
Reference Elevations: 2641.00 ft (KB)
ft (CF)
KB to GR/CF: ft

Serial #: 8368 **Inside**

Press@RunDepth: 39.11 psig @ 4302.00 ft (KB)
Start Date: 2022.05.15 End Date: 2022.05.16
Start Time: 22:45:05 End Time: 06:04:59

Capacity: 8000.00 psig
Last Calib.: 2022.05.16
Time On Btm: 2022.05.16 @ 00:51:15
Time Off Btm: 2022.05.16 @ 03:01:00

TEST COMMENT: IF - 30 - no blow
ISI - 30 - no blow
FF - 30 - no blow
FSI - 30 - no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.64	114.33	Initial Hydro-static
1	44.30	113.29	Open To Flow (1)
35	42.54	113.22	Shut-In(1)
63	129.25	114.29	End Shut-In(1)
63	45.34	114.25	Open To Flow (2)
94	39.11	114.84	Shut-In(2)
130	66.90	115.51	End Shut-In(2)
130	1991.79	116.52	Final Hydro-static

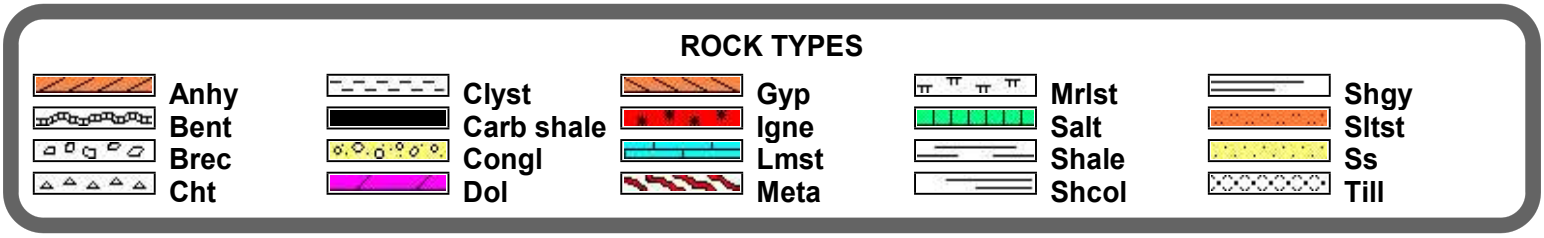
Recovery

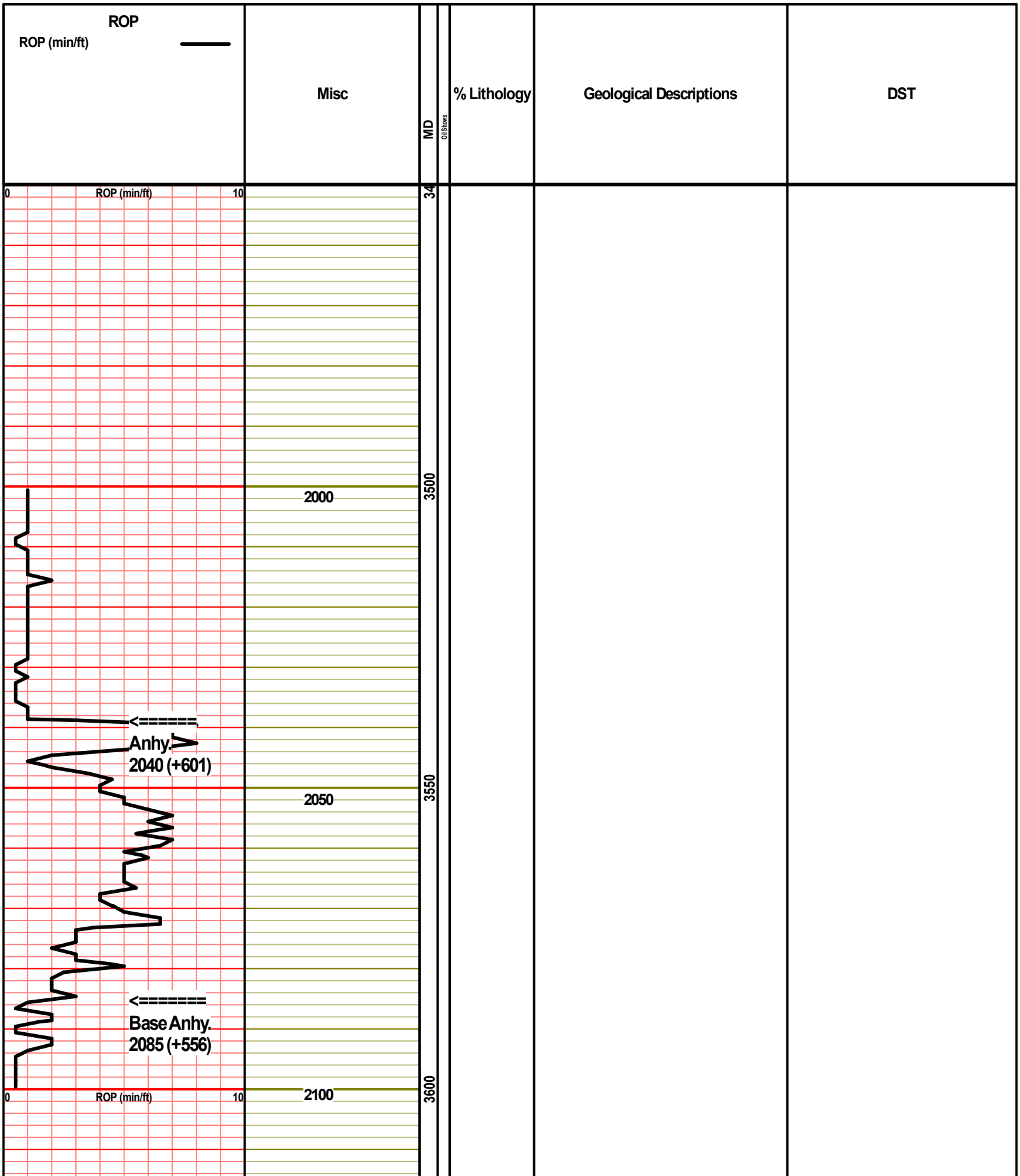
Length (ft)	Description	Volume (bbl)
15.00	100% mud	0.22

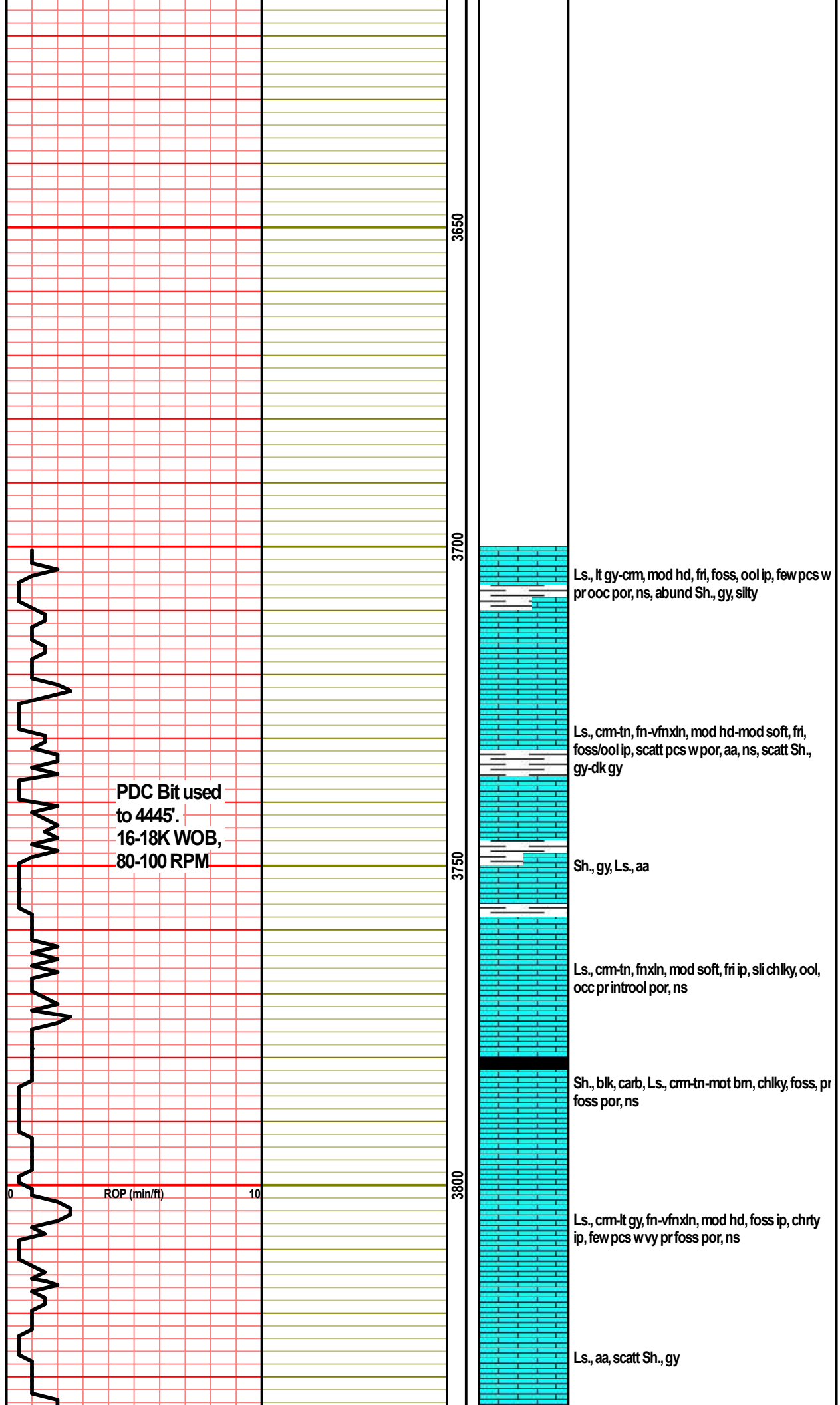
* Recovery from multiple tests

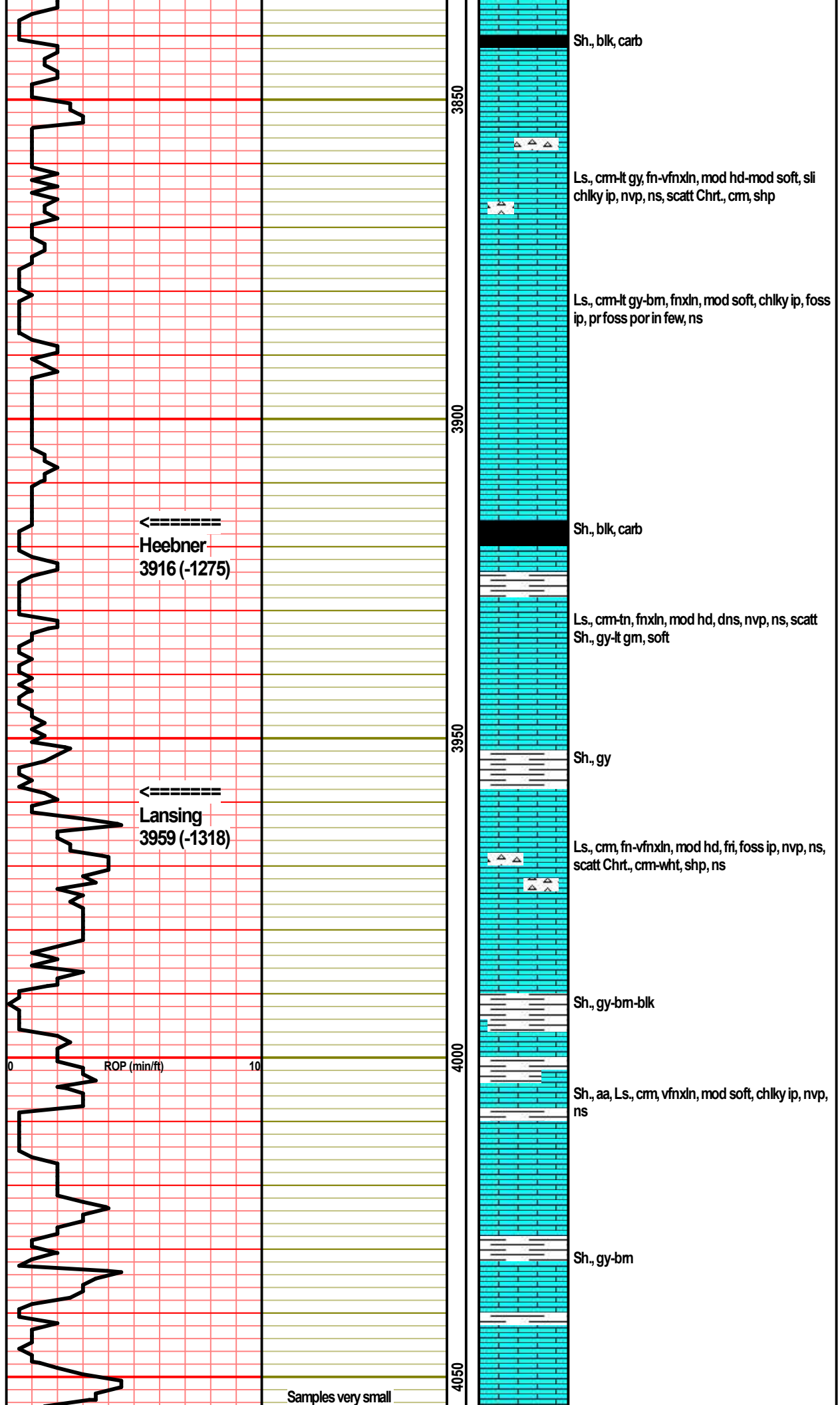
Gas Rates

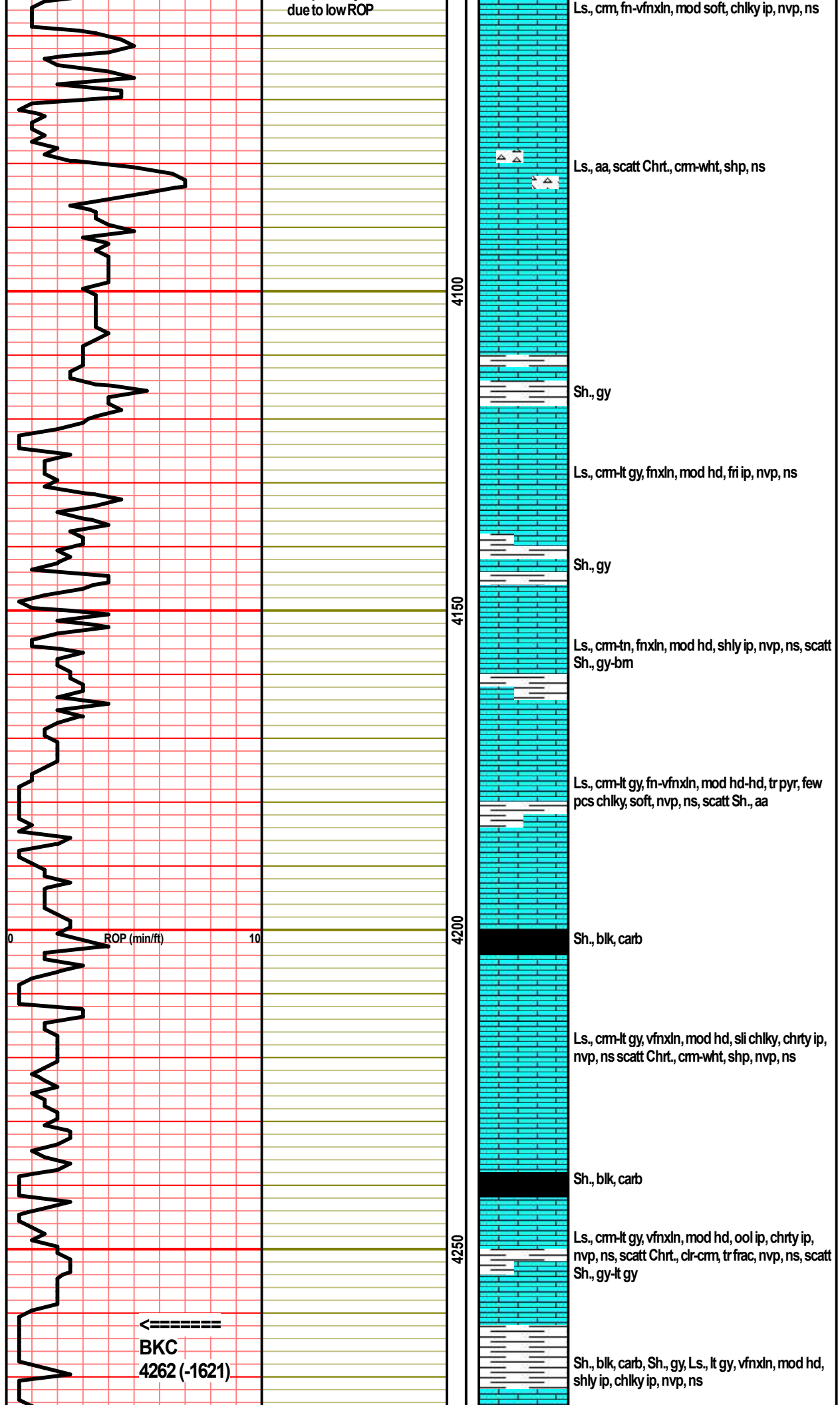
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

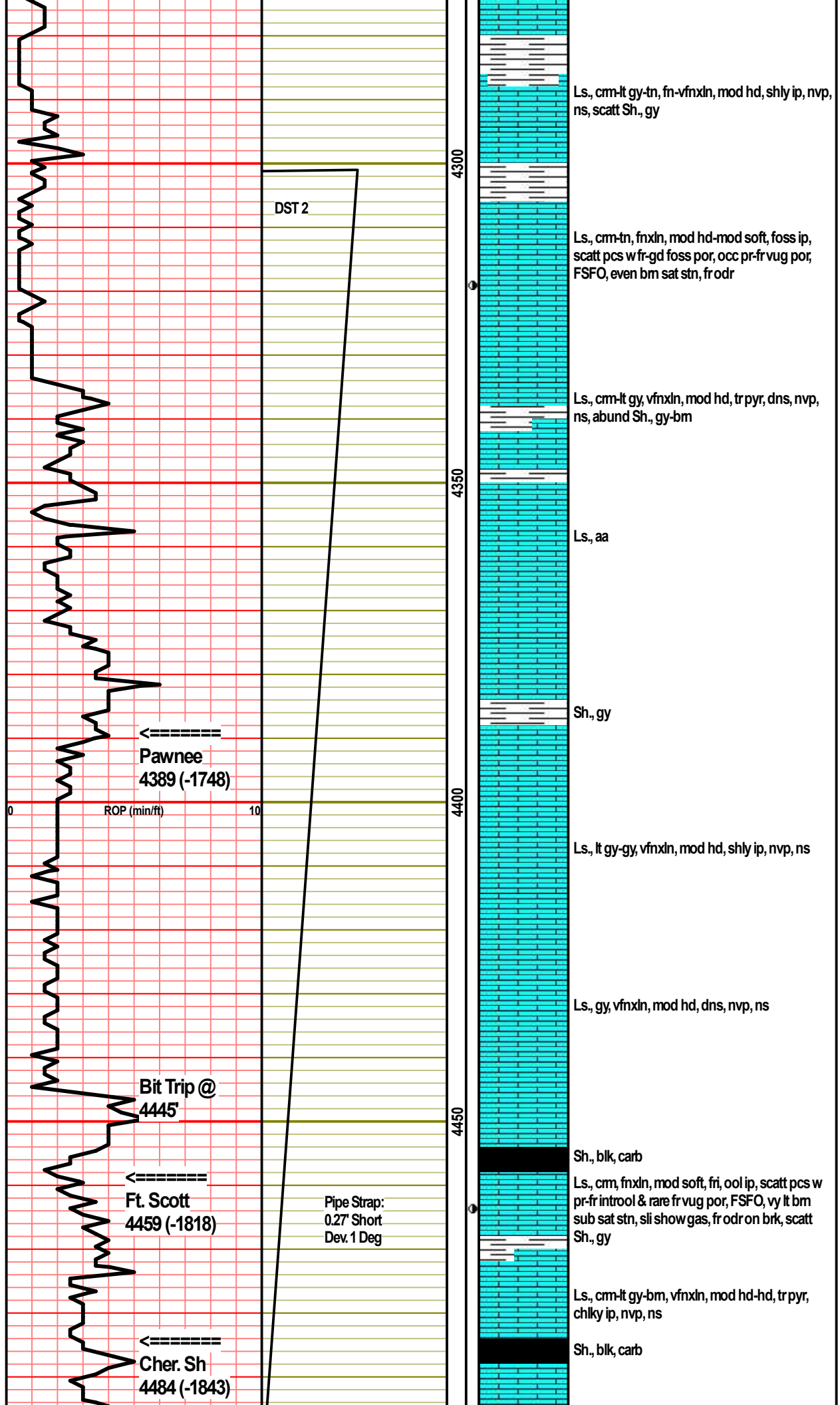

ROCK TYPES
Anhy
Bent
Brec
Cht
Clyst
Carb shale
Congl
Dol
Gyp
Igne
Lmst
Meta
Mrlst
Salt
Shale
Shcol
Shgy
Sltst
Ss
Till


ROP
ROP (min/ft)
Misc
MD
Oil Shows
% Lithology
Geological Descriptions
DST
0
ROP (min/ft)
10
3400
3500
3550
3600
2000
2050
2100
<======
Anhy.
2040 (+601)
<=======
Base Anhy.
2085 (+556)


3650
3700
3750
3800
PDC Bit used to 4445'. 16-18K WOB, 80-100 RPM
0
ROP (min/ft)
10
Ls., lt gy-crm, mod hd, fri, foss, ool ip, few pcs w pr ooc por, ns, abund Sh., gy, silty
Ls., crm-tn, fn-vfnxln, mod hd-mod soft, fri, foss/ool ip, scatt pcs w por, aa, ns, scatt Sh., gy-dk gy
Sh., gy, Ls., aa
Ls., crm-tn, fnxln, mod soft, fri ip, sli chlky, ool, occ pr introol por, ns
Sh., blk, carb, Ls., crm-tn-mot brn, chlky, foss, pr foss por, ns
Ls., crm-lt gy, fn-vfnxln, mod hd, foss ip, chrty ip, few pcs w vy pr foss por, ns
Ls., aa, scatt Sh., gy


Sh., blk, carb
Ls., crm-lt gy, fn-vfnxln, mod hd-mod soft, sli chlky ip, nvp, ns, scatt Chrt., crm, shp
Ls., crm-lt gy-brn, fnxln, mod soft, chlky ip, foss ip, pr foss por in few, ns
Sh., blk, carb
Ls., crm-tn, fnxln, mod hd, dns, nvp, ns, scatt Sh., gy-lt grn, soft
Sh., gy
Ls., crm, fn-vfnxln, mod hd, fri, foss ip, nvp, ns, scatt Chrt., crm-wht, shp, ns
Sh., gy-brn-blk
Sh., aa, Ls., crm, vfnxln, mod soft, chlky ip, nvp, ns
Sh., gy-brn
3850
3900
3950
4000
4050
<=======
Heebner
3916 (-1275)
<=======
Lansing
3959 (-1318)
0
ROP (min/ft)
10
Samples very small


due to low ROP
0
ROP (min/ft)
10
4100
4150
4200
4250
<=======
BKC
4262 (-1621)
Ls., crm, fn-vfnxln, mod soft, chlky ip, nvp, ns
Ls., aa, scatt Chrt., crm-wht, shp, ns
Sh., gy
Ls., crm-lt gy, fnxln, mod hd, fri ip, nvp, ns
Sh., gy
Ls., crm-tn, fnxln, mod hd, shly ip, nvp, ns, scatt Sh., gy-brn
Ls., crm-lt gy, fn-vfnxln, mod hd-hd, tr pyr, few pcs chlky, soft, nvp, ns, scatt Sh., aa
Sh., blk, carb
Ls., crm-lt gy, vfnxln, mod hd, sli chlky, chrty ip, nvp, ns scatt Chrt., crm-wht, shp, nvp, ns
Sh., blk, carb
Ls., crm-lt gy, vfnxln, mod hd, ool ip, chrty ip, nvp, ns, scatt Chrt., clr-crm, tr frac, nvp, ns, scatt Sh., gy-lt gy
Sh., blk, carb, Sh., gy, Ls., lt gy, vfnxln, mod hd, shly ip, chlky ip, nvp, ns



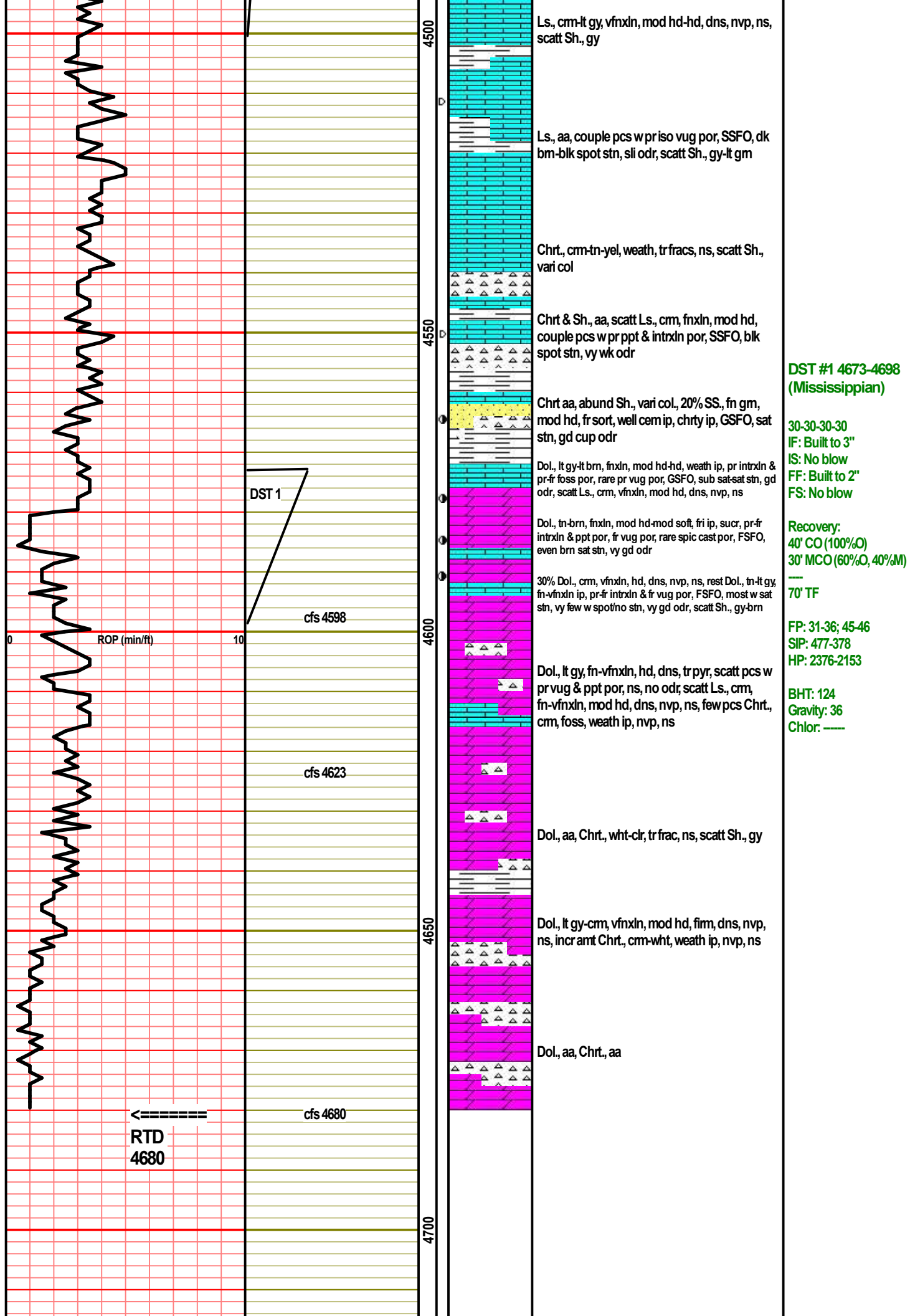
DST #2 4301-4500
(Marmaton, Ft. Scott)

30-30-30-30
IF: No blow
IS: No blow
FF: No blow
FS: No blow

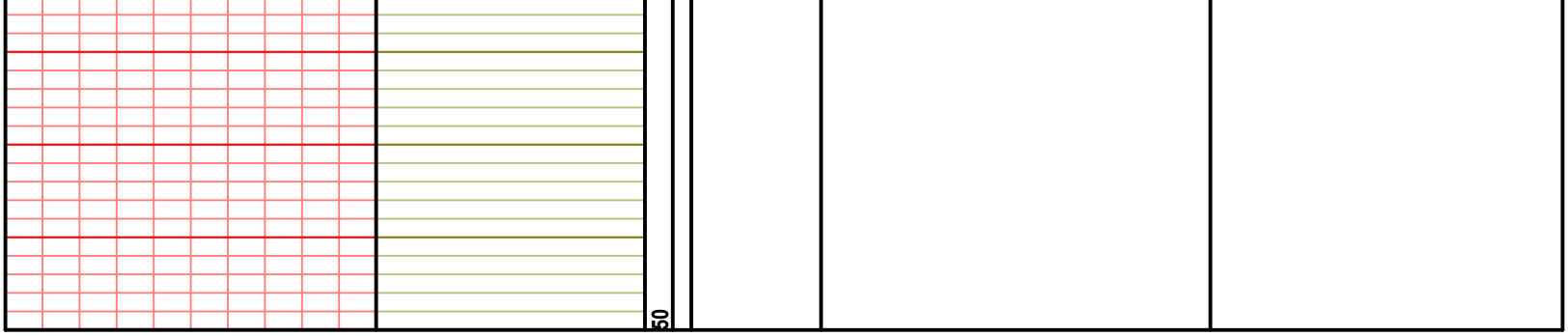
Recovery:
15' Mud

FP: 44-43; 45-39
SIP: 129-67
HP: 2198-1992

BHT: 113
Gravity: --
Chlor: -----


4500
4550
4600
4650
4700
0
ROP (min/ft)
10
DST 1
cfs 4598
cfs 4623
cfs 4680
<=======
RTD
4680
Ls., crm-lt gy, vfnxln, mod hd-hd, dns, nvp, ns, scatt Sh., gy
Ls., aa, couple pcs w pr iso vug por, SSFO, dk brn-blk spot stn, sli odr, scatt Sh., gy-lt gm
Chrt., crm-tn-yel, weath, tr fracs, ns, scatt Sh., vari col
Chrt & Sh., aa, scatt Ls., crm, fnxln, mod hd, couple pcs w pr ppt & intrxln por, SSFO, blk spot stn, vy wk odr
Chrt aa, abund Sh., vari col., 20% SS., fn gm, mod hd, fr sort, well cem ip, chrty ip, GSFO, sat stn, gd cup odr
Dol., lt gy-lt brn, fnxln, mod hd-hd, weath ip, pr intrxln & pr-fr foss por, rare pr vug por, GSFO, sub sat-sat stn, gd odr, scatt Ls., crm, vfnxln, mod hd, dns, nvp, ns
Dol., tn-brn, fnxln, mod hd-mod soft, fri ip, sucr, pr-fr intrxln & ppt por, fr vug por, rare spic cast por, FSFO, even brn sat stn, vy gd odr
30% Dol., crm, vfnxln, hd, dns, nvp, ns, rest Dol., tn-lt gy, fn-vfnxln ip, pr-fr intrxln & fr vug por, FSFO, most w sat stn, vy few w spot/no stn, vy gd odr, scatt Sh., gy-brn
Dol., lt gy, fn-vfnxln, hd, dns, tr pyr, scatt pcs w pr vug & ppt por, ns, no odr, scatt Ls., crm, fn-vfnxln, mod hd, dns, nvp, ns, few pcs Chrt., crm, foss, weath ip, nvp, ns
Dol., aa, Chrt., wht-clr, tr frac, ns, scatt Sh., gy
Dol., lt gy-crm, vfnxln, mod hd, firm, dns, nvp, ns, incr amt Chrt., crm-wht, weath ip, nvp, ns
Dol., aa, Chrt., aa
DST #1 4673-4698
(Mississippian)
30-30-30-30
IF: Built to 3"
IS: No blow
FF: Built to 2"
FS: No blow
Recovery:
40' CO (100%O)
30' MCO (60%O, 40%M)

70' TF
FP: 31-36; 45-46
SIP: 477-378
HP: 2376-2153
BHT: 124
Gravity: 36
Chlor: ------


50