

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 Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

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

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

RECEIVED
AUG 27 2021
BY: _____

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

Invoice Date: 8/12/2021
Invoice #: 0354776
Lease Name: Harris
Well #: 3 (New)
County: Trego, Ks
Job Number: WP1721
District: Oakley

Date/Description	HRS/QTY	Rate	Total
8.625" Surface	0.000	0.000	0.00
H-325	150.000	17.600	2,640.00
Light Eq Mileage	85.000	1.760	149.60
Heavy Eq Mileage	85.000	3.520	299.20
Ton Mileage	599.000	1.320	790.68
Depth Charge 0'-500'	1.000	880.000	880.00

*Cement for surface #3
8/12*

Total 4,759.48 ✓

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 #	Harris # 3	Date	8/12/2021
Service District	Oakley KS	County & State	Trego KS	Legals S/T/R	36-15S-25W
Job Type	8.625" surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	Job #
				New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No
				Ticket #	WP 1721

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

Comments

Muster point entrance of location. Person in charge of head count Fennis. Nearest hospital Dighton KS. Emergency phone # 911.

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
CP015	H-325	sack	150.00	\$2,640.00
M015	Light Equipment Mileage	mi	85.00	\$149.60
M010	Heavy Equipment Mileage	mi	85.00	\$299.20
M020	Ton Mileage	tm	599.00	\$790.88
D010	Depth Charge: 0'-500'	job	1.00	\$880.00

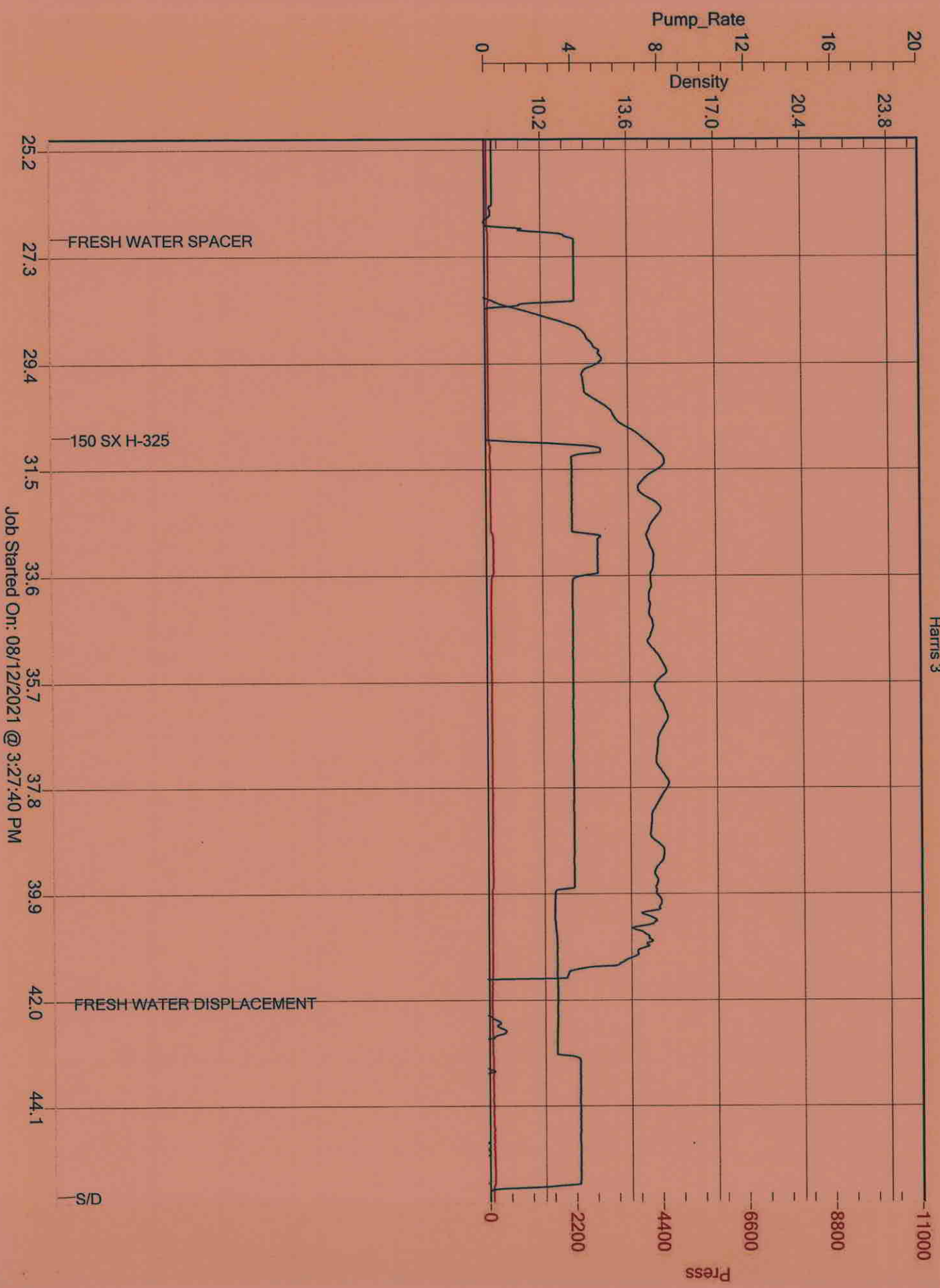
Customer Section: On the following scale how would you rate Hurricane Services Inc.?	Net:	\$4,759.48
<p>Based on this job, how likely is it you would recommend HSI to a colleague?</p> <p style="text-align: center;"> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p style="text-align: center;"> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely </p>	<p>Total Taxable \$ - Tax Rate:</p> <p>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.</p> <p>Sale Tax: \$ -</p> <p>Total: \$ 4,759.48</p>	
HSI Representative: <i>Fennis Garduno</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

Palomino petroleum

Harris 3

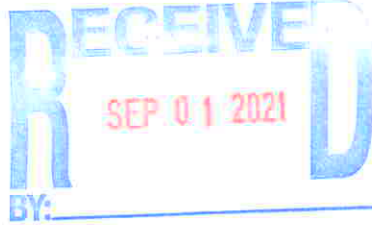


Job Started On: 08/12/2021 @ 3:27:40 PM



HURRICANE SERVICES INC

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



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

Invoice Date: 8/19/2021
Invoice #: 0354930
Lease Name: Harris
Well #: 3 (New)
County: Trego, Ks
Job Number: WP1751
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
H-CON	125.000	18.480	2,310.00
H-Long	100.000	24.640	2,464.00
Cement baskets 5 1/2"	1.000	264.000	264.00
5 1/2" Turbolizers	10.000	70.400	704.00
5 1/2" Floatshoe-Flapper AFU	1.000	330.000	330.00
5 1/2" Port Collar	1.000	3,080.000	3,080.00
5 1/2" LD Plug & Baffle	1.000	308.000	308.00
Mud flush	500.000	0.880	440.00
Liquid KCL Substitute 2	5.000	20.000	100.00
Light Eq Mileage	80.000	1.760	140.80
Heavy Eq Mileage	80.000	3.520	281.60
Ton Mileage	848.000	1.320	1,119.36
Cement Data Acquisition	1.000	220.000	220.00
Cement plug container	1.000	220.000	220.00
Depth Charge 4001'-5000'	1.000	2,200.000	2,200.00

longstring for #3
8/19

Total 14,181.76 ✓

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X _____ **CUSTOMER AUTHORIZATION SIGNATURE**



CEMENT TREATMENT REPORT

Customer: Palomino Petroleum	Well: Harris 3	Ticket: WP 1751
City, State: _____	County: Trego KS	Date: 8/19/2021
Field Rep: Dalton	S-T-R: 36-15S-25W	Service: Longstring

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4650 ft
Casing Size:	5 1/2 in
Casing Depth:	4628.12 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	112.0 bbls

Calculated Slurry - Lead	
Blend:	H-Con
Weight:	12.0 ppg
Water / Sx:	15.5 gal / sx
Yield:	2.56 ft³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	57.0 bbls
Total Sacks:	125 sx

Calculated Slurry - Tail	
Blend:	H-Long
Weight:	15.2 ppg
Water / Sx:	5.7 gal / sx
Yield:	1.38 ft³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	24.5 bbls
Total Sacks:	100 sx

TIME	RATE	PSI	STAGE	TOTAL	REMARKS
			BBLs	BBLs	
200A			-	-	ON LOCATION
205A			-	-	SAFETY MEETING
215A			-	-	GET INFO FROM CO MAN: TURBOS ON JTS 1,2,3,4,6,7,9,11,61 BASKET ON 62, PORT COLLAR ON TOP OF 62
			-	-	5 1/2 14# CASING (RACK VERIFIED)
500A			-	-	RIG UP
510A			-	-	CASING ON BOTTOM
540A			-	-	CIRCULATE
650P	3.0	200.0	5.0	5.0	WATER AHEAD
653A	4.0	200.0	12.0	17.0	MUDFLUSH
658P	4.0	200.0	5.0	22.0	WATER SPACER
700A	5.5	450.0	57.0	79.0	LEAD CEMENT 75 SX H-CON MIXED AT 12 PPG MUD SCALE VERIFIED 25 SX PLUG MOUSEHOLE, 25 SX PLUG RATHOLE
715A	5.3	425.0	24.5		TAIL CEMENT 100 SX H-LONG MIXED AT 15.2 PPG MUD SCALE VERIFIED
725A					SHUT DOWN WASH PUMP AND LINES, DROP PLUG
730A	6.0	275.0	25.0		START DISPLACEMENT H2O
736A	6.0	275.0	25.0		DISPLACE H2O
740A	6.0	400.0	25.0		DISPLACE H2O
744P	6.0	900.0	25.0		DISPLACE H2O
748A	3.0	1,000.0	12.0		DISPLACE H2O
752A		1,600.0			PLUG LANDED
757A					RELEASE PRESSURE/FLOATS HELD
800A					WASH UP
815A					RIG DOWN
830A					LEFT LOCATION

	CREW		UNIT	SUMMARY		
	Name	Value		Average Rate	Average Pressure	Total Fluid
Cementer:	Jimmie	914				
Pump Operator:	John	208		4.9 bpm	539 psi	216 bbls
Bulk #1:	Jesse	165/254				
Bulk #2:						

SWIFT



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



Invoice

DATE	INVOICE #
8/30/2021	35227

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

RECEIVED
SEP 04 2021
BY: _____

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	Harris	Trego	Fritzler	Oil	Development	Port Collar	David E
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				50	Miles	6.00	300.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,500.00	1,500.00
290	D-Air				2	Gallon(s)	42.00	84.00T
330	Swift Multi-Density Standard (MIDCON II)				180	Sacks	18.00	3,240.00T
276	Flocele				50	Lb(s)	3.00	150.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				560	Ton Miles	1.00	560.00
104	Port Collar Tool Rental				1	Each	250.00	250.00T
	Subtotal							6,534.00
	Sales Tax Trego County						7.50%	279.30
<i>part collar for #3</i>								
<i>8/30</i>								
We Appreciate Your Business!							Total	\$6,813.30 ✓



Services, Inc.

CHARGE TO: Palomino Petroleum
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
35227

LEASE # 3
 CONTRACTOR Feitzler
 WELL CATEGORY Development
 WELL PERMIT NO.

PAGE 1 OF

1. <u>Hays KS</u>	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
2. <u>Ness City KS</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED	DELIVERED TO	ORDER NO.	
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	BY	WELL PERMIT NO.	WELL LOCATION	
4.	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.		
<u>575</u>					<u>MILEAGE TAX # 111</u>	<u>50</u>	<u>mi</u>			<u>6.00</u>	<u>300.00</u>
<u>576D</u>					<u>PUMP CHARGE - Beer Collar</u>	<u>1</u>	<u>EA</u>			<u>1500.00</u>	<u>1500.00</u>
<u>290</u>					<u>A-Air</u>	<u>2</u>	<u>bar</u>			<u>42.00</u>	<u>84.00</u>
<u>336</u>					<u>Swift Multi Density</u>	<u>180</u>	<u>SK</u>			<u>18.00</u>	<u>3240.00</u>
<u>276</u>					<u>Floacle</u>	<u>50</u>	<u>lbs</u>			<u>3.00</u>	<u>150.00</u>
<u>581</u>					<u>Service Charge Cmt</u>	<u>225</u>	<u>SK</u>			<u>2.00</u>	<u>450.00</u>
<u>583</u>					<u>Derivate</u>	<u>560</u>	<u>TM</u>			<u>1.00</u>	<u>560.00</u>
<u>104</u>					<u>Beer Collar Tool Barrel</u>	<u>1</u>	<u>EA</u>			<u>250.00</u>	<u>250.00</u>

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.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UNDECIDED	DISAGREE
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

PAGE TOTAL	<u>6534.00</u>
TOTAL	<u>6813.30</u>

DATE SIGNED _____ TIME SIGNED _____
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR David Edgerton APPROVAL
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 8/30/21 PAGE NO.
 TICKET NO. 35227

CUSTOMER		WELL NO.		LEASE		JOB TYPE		DESCRIPTION OF OPERATION AND MATERIALS	
PALOMINO PETRO		# 3		HARRIS		Port Collar			
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)			
				T	C	TUBING	CASING		
	1100								ON location
									2 7/8 x 5 1/2
									Port Collar - 1995
						1000			TEST TOOLS holding
									open Port Collar
		.5				1500			Take RATE & Pump until
									Circ
		3	0			900			START CMT -
		4.5	80			700			Circ CMT - 1/4 5 sx @ 11.2 ppg
		4.5	80			700			RAISE wgt to 14 ppg for 35 sx
		4.5	90			700			END CMT - 180 sx
		4.5	10			800			Disp
									Close Port Collar
									Run 5 Its
		3	25						Reverse out
									JOB Complete
									Thanks,
									DAVIS, ZACH & ISAAC



Home
(785) 798-2400

Andrew Stenzel Geologist

Ness City, Kansas



Cell
(785) 798-5977

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

Well Name: Harris #3	
API: 15-195-23124-00-00	
Location: Sec. 36-15S-25W (Trego County)	
License Number: 30742	Region: KANSAS
Spud Date: 8/12/21	Drilling Completed: 8/19/21
Surface Coordinates: 2280' FNL & 807' FWL	

Bottom Hole Coordinates:	
Ground Elevation (ft): 2544	K.B. Elevation (ft): 2555
Logged Interval (ft): 3700	To: TD
Formation: MISSISSIPPIAN	Total Depth (ft):
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:

- 8/12/21 MIRU, Ran surface casing
- 8/13/21 Drilling @ 870'
- 8/14/21 Drilling @ 2493'
- 8/15/21 Drilling @ 3650'
- 8/16/21 Tripping out of hole for bit change @ 4388'
- 8/17/21 Tripping in hole with test tool @ 4536', DST #1
- 8/18/21 Ran electric logs, tripping in hole with test tool for DST #2
- 8/19/21 Ran production casing

Services

RIG: Murfin Drilling Co., Inc. Rig #21

MUD: MUDCO

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

Casing Record

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing set at 226'.

PRODUCTION Casing: Ran 110 jts new 5 1/2", 14# casing set 7' off bottom at 4638'. FDC @ 4545'. Port collar @

Formation Tops

Sample Tops		LogTops	
Anhy.	1963 (+592)	Anhy.	1964 (+591)
Base Anhy.	1995 (+560)	Base Anhy.	1998 (+557)
Heebner	3873 (-1318)	Heebner	3867 (-1312)
Lansing	3913 (-1358)	Lansing	3908 (-1353)
BKC	4212 (-1657)	BKC	4204 (-1649)
Marmaton	4254 (-1699)	Marmaton	4251 (-1696)
Pawnee	4331 (-1776)	Pawnee	4328 (-1773)
Ft. Scott	4418 (-1863)	Ft. Scott	4411 (-1856)
Cher. Sh.	4440 (-1865)	Cher. Sh.	4435 (-1880)
Miss.	4518 (-1963)	Miss.	4499 (-1944)
RTD	4650 (-2095)	LTD	4645 (-2090)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th ST
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

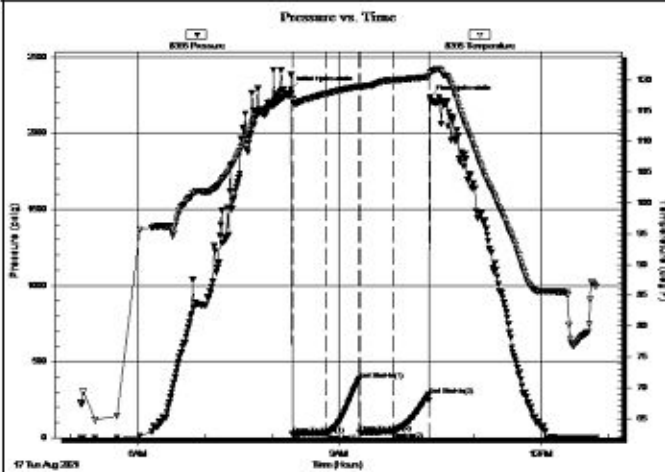
36-15s-25w, Trego, KS
Harris #3
 Job Ticket: 51074 **DST#: 1**
 Test Start: 2021.08.17 @ 05:09:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:17:47
 Time Test Ended: 12:49:02
 Interval: **4457.00 ft (KB) To 4536.00 ft (KB) (TVD)**
 Total Depth: 4536.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches
 Hole Condition:
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Kevin Webster
 Unit No: 72
 Reference Elevations: 2555.00 ft (KB)
 2544.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8365 **Inside**
 Press@RunDepth: 42.14 psig @ 4460.00 ft (KB) Capacity: psig
 Start Date: 2021.08.17 End Date: 2021.08.17 Last Calib.: 2021.08.17
 Start Time: 05:09:01 End Time: 12:49:02 Time On Btmr: 2021.08.17 @ 08:16:47
 Time Off Btmr: 2021.08.17 @ 10:20:47

TEST COMMENT: IF- WSB built to 1/2" 30 min
 IS- No blow back 30 min
 FF- No blow
 FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2289.65	117.76	Initial Hydro-static
1	21.23	116.95	Open To Flow (1)
32	31.07	117.75	Shut-In(1)
61	384.31	118.90	End Shut-In(1)
62	34.55	118.88	Open To Flow (2)
91	42.14	119.96	Shut-In(2)
123	281.92	120.54	End Shut-In(2)
124	2231.36	121.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 25% Oil 75% Mud	0.05

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th ST
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

36-15s-25w, Trego, KS
Harris #3
 Job Ticket: 51075 **DST#:2**
 Test Start: 2021.08.18 @ 07:50:00

GENERAL INFORMATION:

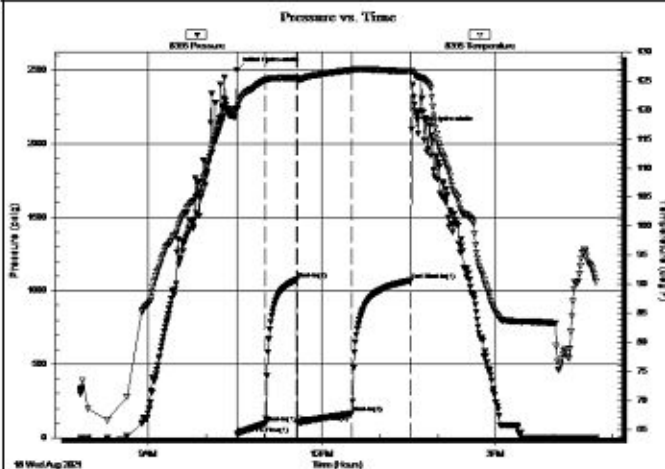
Formation: **mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:32:17
 Time Test Ended: 16:44:02
 Interval: **4532.00 ft (KB) To 4542.00 ft (KB) (TVD)**
 Total Depth: 4645.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Kevin Webster
 Unit No: 72
 Reference Elevations: 2555.00 ft (KB)
 2544.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8365

Outside

Press@RunDepth: 96.38 psig @ 4533.00 ft (KB) Capacity: psig
 Start Date: 2021.08.18 End Date: 2021.08.18 Last Calib.: 2021.08.18
 Start Time: 07:50:01 End Time: 16:44:02 Time On Btmr: 2021.08.18 @ 10:31:47
 Time Off Btmr: 2021.08.18 @ 13:32:47

TEST COMMENT: IF- WSB built to BOB in 18 min 30 min
 IS- Blow back built to 1/2" 30 min
 FF- WSB built to BOB in 23 min 60 min
 FS- Blow back built to 1 1/2" 60 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2502.24	120.26	Initial Hydro-static
1	22.67	120.12	Open To Flow (1)
30	96.38	125.07	Shut-In(1)
62	1073.53	125.44	Shut-In(2)
63	104.79	125.25	Open To Flow (2)
120	165.02	126.83	Shut-In(3)
180	1068.63	126.63	End Shut-In(1)
181	2100.02	126.71	Final Hydro-static

Recovery

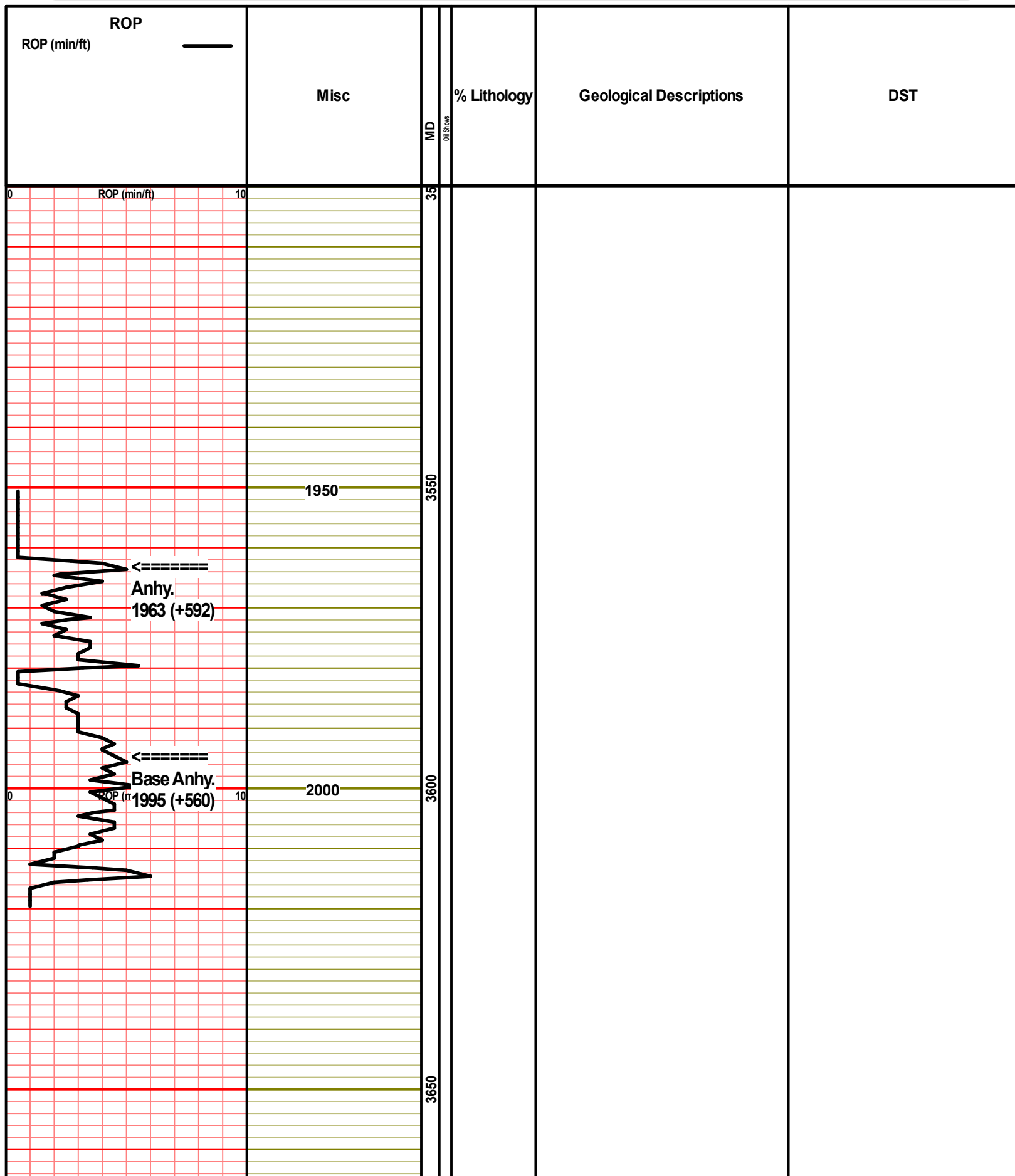
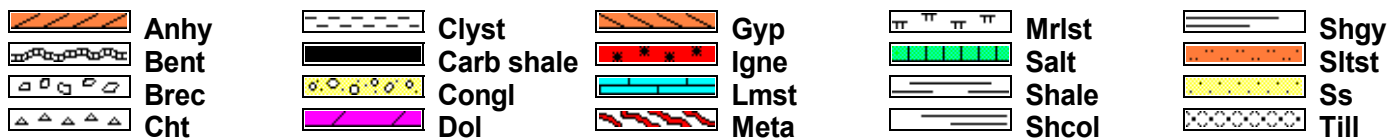
Length (ft)	Description	Volume (bbl)
62.00	GOWCM 10% Gas 10% Oil 35% Water	40.30Mud
62.00	GOCM 15% Gas 35% Oil 50% Mud	0.30
310.00	GO 15% Gas 85% Oil	3.32
0.00	Gip 100% Gas	0.00

Gas Rates

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

* Recovery from multiple tests

ROCK TYPES



Drilled with
PDC bit to
4388', 14-16K
WOB, 100-120
RPM

ROP (min/ft) 0 10

←
Heebner
3873 (-1318)

3700
3750
3800
3850

Ls., cm-gy, fnxn, mod soft, vy chlky, foss ip, pr
foss & intrxn por, ns, no odr, abund Sh., gy

Ls., cm-tn, fnxn, mod soft-mod hd, pr intrxn
por, ns, no odr, scatt Sh., gy

Ls., aa, Sh., gy-blk

Ls., tn-lt gy, fnxn, mod soft, chlky ip, ool, pr
introl por, ns, no odr

Ls., cm-lt gy, fnxn, mod hd-mod soft, fri, chlky
ip, foss ip, nvp, ns, abund Sh., gy-dk gy

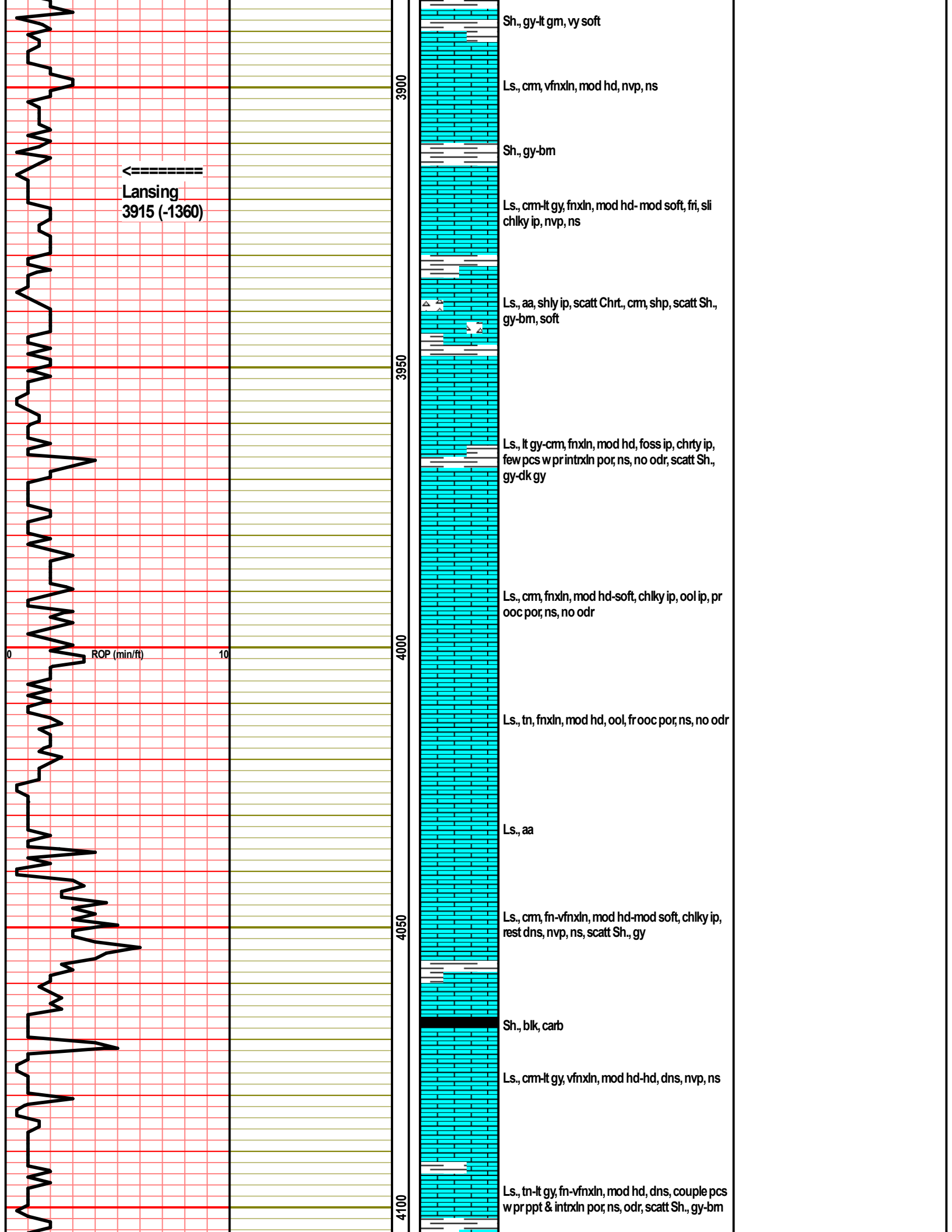
Sh., gy-blk, carb ip, Ls., aa

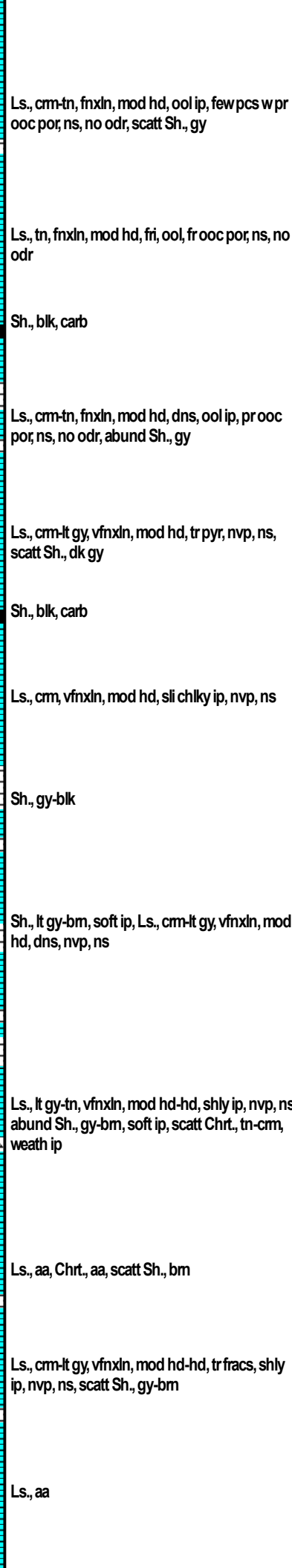
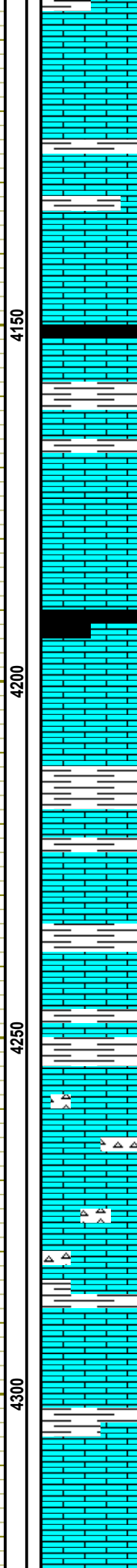
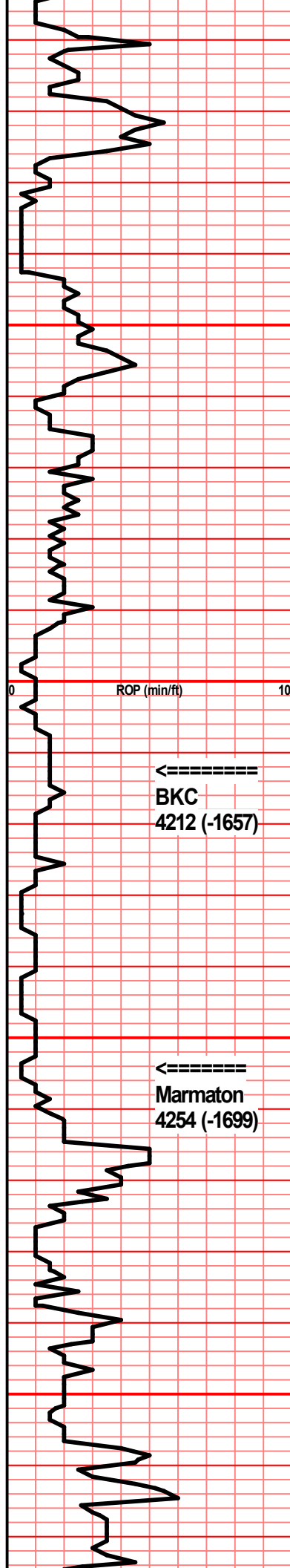
Ls., tn, fn-vfnxn, mod hd-hd, dns, few pcs foss
w pr foss por, ns, no odr, abund Sh., gy

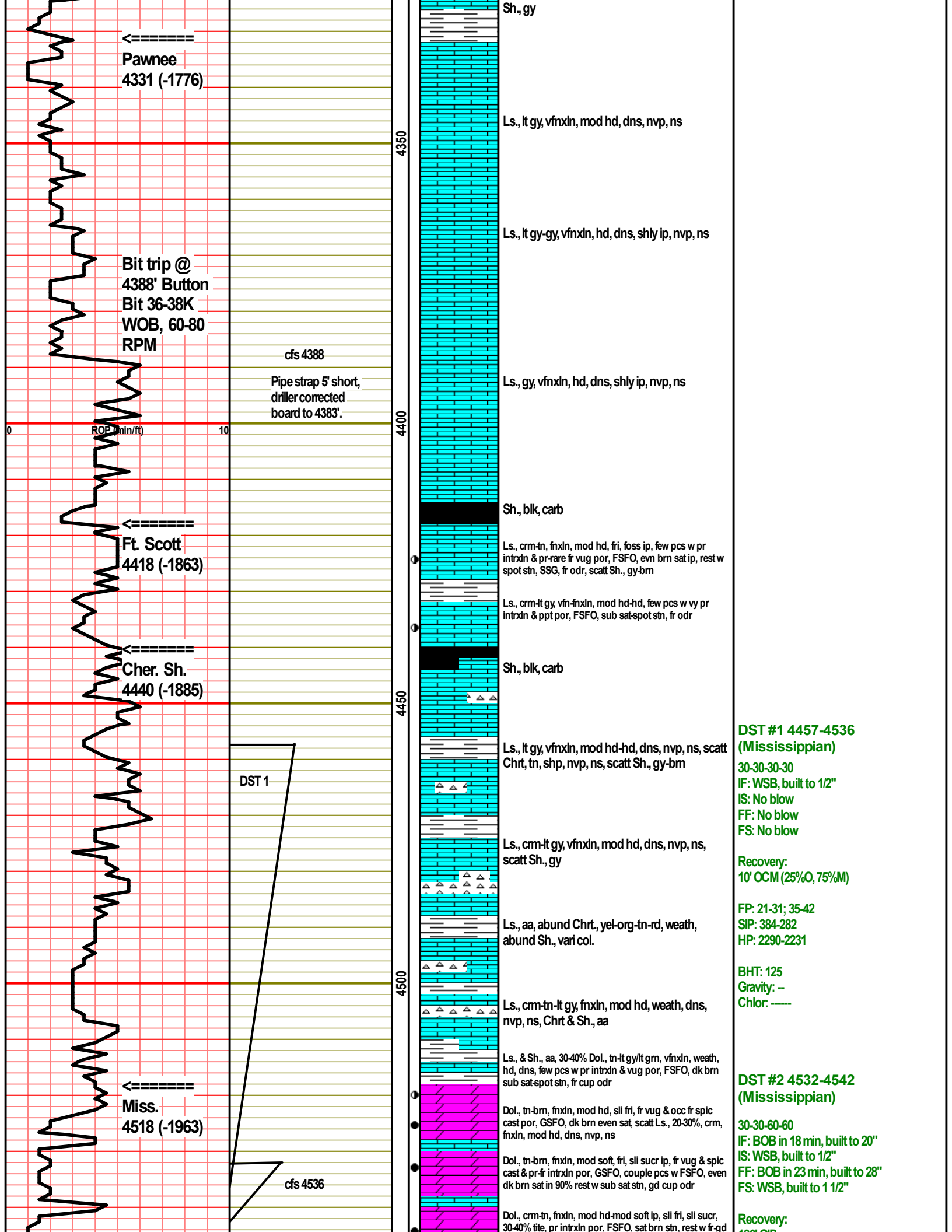
Ls., cm-tn, fnxn, mod soft, chlky, nvp, ns, scatt
Sh., gy-dk gy

Ls., cm-tn-mottld bm, soft, vy chlky, few pcs
foss w pr-fr foss & intrxn por, ns, no odr, scatt
Sh., aa, scatt Chrt., tn, shp

Sh., blk, carb







← Pawnee
4331 (-1776)

Bit trip @
4388' Button
Bit 36-38K
WOB, 60-80
RPM

cfs 4388
Pipe strap 5' short,
driller corrected
board to 4383'.

← Ft. Scott
4418 (-1863)

← Cher. Sh.
4440 (-1885)

DST 1

← Miss.
4518 (-1963)

cfs 4536

Sh., gy
Ls., lt gy, vfnxn, mod hd, dns, nvp, ns
Ls., lt gy-gy, vfnxn, hd, dns, shly ip, nvp, ns
Ls., gy, vfnxn, hd, dns, shly ip, nvp, ns
Sh., blk, carb
Ls., crm-tn, fnxn, mod hd, fri, foss ip, few pcs w pr intrxn & pr-rare fr vug por, FSFO, evn brn sat ip, rest w spot stn, SSG, fr odr, scatt Sh., gy-brn
Ls., crm-lt gy, vfn-fnxn, mod hd-hd, few pcs w vy pr intrxn & ppt por, FSFO, sub sat-spot stn, fr odr
Sh., blk, carb
Ls., lt gy, vfnxn, mod hd-hd, dns, nvp, ns, scatt Chrt, tn, shp, nvp, ns, scatt Sh., gy-brn
Ls., crm-lt gy, vfnxn, mod hd, dns, nvp, ns, scatt Sh., gy
Ls., aa, abund Chrt., yel-org-tn-rd, weath, abund Sh., vari col.
Ls., crm-tn-lt gy, fnxn, mod hd, weath, dns, nvp, ns, Chrt & Sh., aa
Ls., & Sh., aa, 30-40% Dol., tn-lt gy/lt gm, vfnxn, weath, hd, dns, few pcs w pr intrxn & vug por, FSFO, dk brn sub sat-spot stn, fr cup odr
Dol., tn-brn, fnxn, mod hd, sli fri, fr vug & occ fr spic cast por, GSFO, dk brn even sat, scatt Ls., 20-30%, crm, fnxn, mod hd, dns, nvp, ns
Dol., tn-brn, fnxn, mod soft, fri, sli sucr ip, fr vug & spic cast & pr-fr intrxn por, GSFO, couple pcs w FSFO, even dk brn sat in 90% rest w sub sat stn, gd cup odr
Dol., crm-tn, fnxn, mod hd-mod soft ip, sli fri, sli sucr, 30-40% tite, pr intrxn por, FSFO, sat brn stn, rest w fr-od

DST #1 4457-4536 (Mississippian)

30-30-30-30
IF: WSB, built to 1/2"
IS: No blow
FF: No blow
FS: No blow

Recovery:
10' OCM (25%O, 75%M)

FP: 21-31; 35-42
SIP: 384-282
HP: 2290-2231

BHT: 125
Gravity: -
Chlor: -----

DST #2 4532-4542 (Mississippian)

30-30-60-60
IF: BOB in 18 min, built to 20"
IS: WSB, built to 1/2"
FF: BOB in 23 min, built to 28"
FS: WSB, built to 1 1/2"

Recovery:

cfs 4547

4550

intrxn & vug por, GSFO, lt oil, lt brn-brn sub sat stn, few pcs w brn sat, gd odr

186' GIP
310' GO (15%G, 85%O)
62' GOCM (15%G, 35%O, 50%M)
62' GOCWM (10%G, 10%O, 35%W, 45%M)

Dol., crm-tn, fnxn, mod hd, fri, 20-25% dns, nvp, rest w pr-fr intrxn & fr-rare gd vug por, FSFO, few w SSFO, 20-30% w sat brn stn, rest w spot stn, gd odr

434' TF

Dol., crm-tn, fn-vfxln, hd, 50-60% pr intrxn & ppt por, FSFO, lt brn spot stn, fr odr, rest dns w nvp, ns

FP: 23-96; 105-165
SIP: 1074-1069
HP: 2502-2100

Dol., crm-lt gy, vfn-fnxln, mod hd-hd, dns, scatt pcs w pr intrxn & vug por, VSSFO in few, tr brn stn, scatt Chrt., clr-wht, trans, broken/weath, ns

BHT: 126
Gravity: 42
Chlor: —

Dol., crm-lt gy, vfnxn, mod hd, dns, vy pr intrxn por, ns, no odr, scatt Chrt., clr, weath, broken, ns, scatt Dol., crm, chlky, soft, nvp, ns

**Drill time is 8-9' shallower than log depths, interval covered on DST 2 correlates to 4540-4550 on Geo Report

4600

Dol., lt gy, vfnxn, mod hd-hd, dns, nvp, ns, scatt Chrt., aa, scatt Sh., gy

Dol., crm-lt gy, vfnxn, mod hd, pr ppt & intrxn por in few, ns, abund Chrt., wht, spic, shp

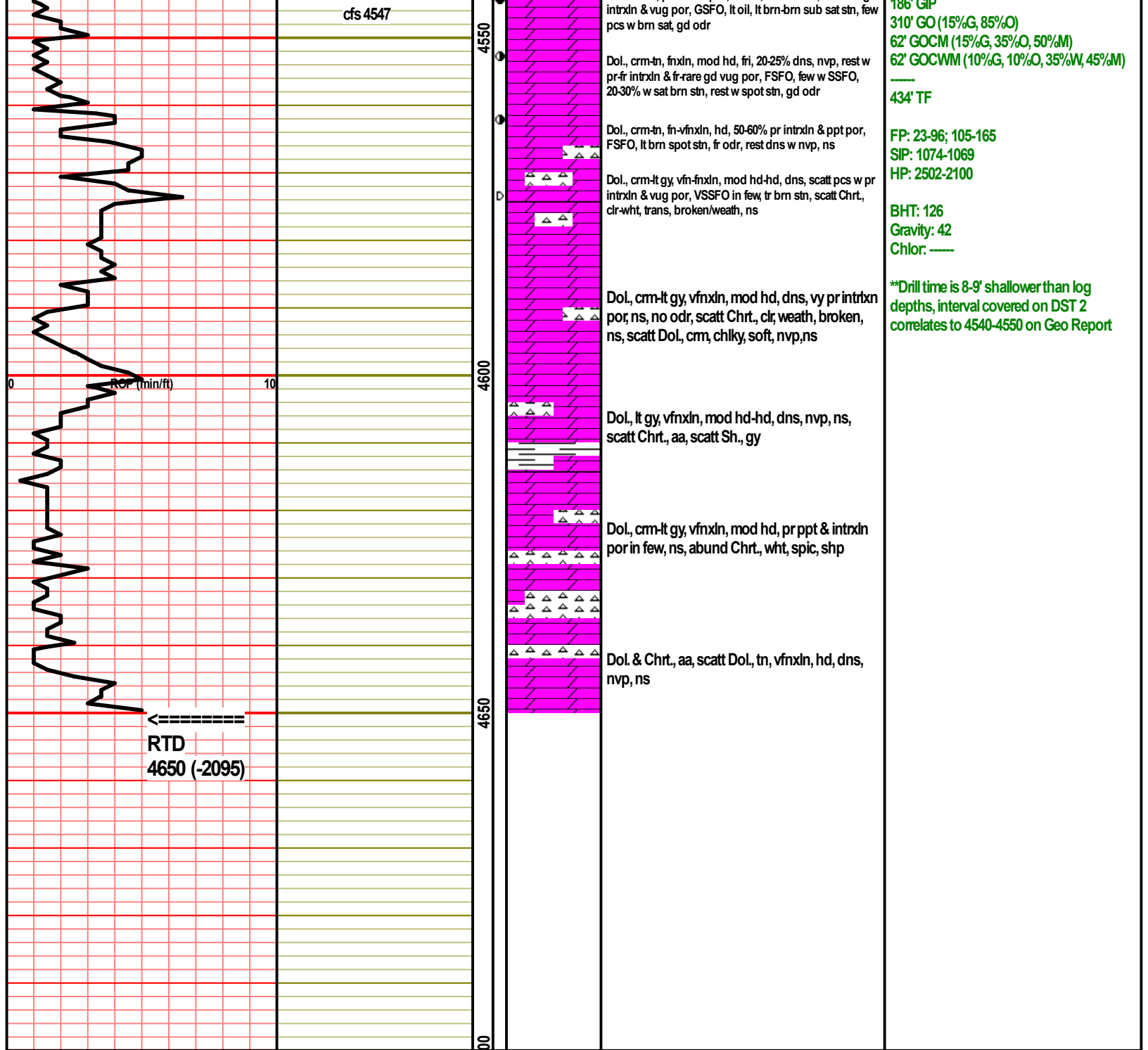
4650

Dol. & Chrt., aa, scatt Dol., tn, vfnxn, hd, dns, nvp, ns

RTD
4650 (-2095)

00

ROP (min/ft)





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Harris #3

36-15s-25w Trego,KS

Start Date: 2021.08.17 @ 05:09:00

End Date: 2021.08.17 @ 12:49:02

Job Ticket #: 51074 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.08.23 @ 15:49:23



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

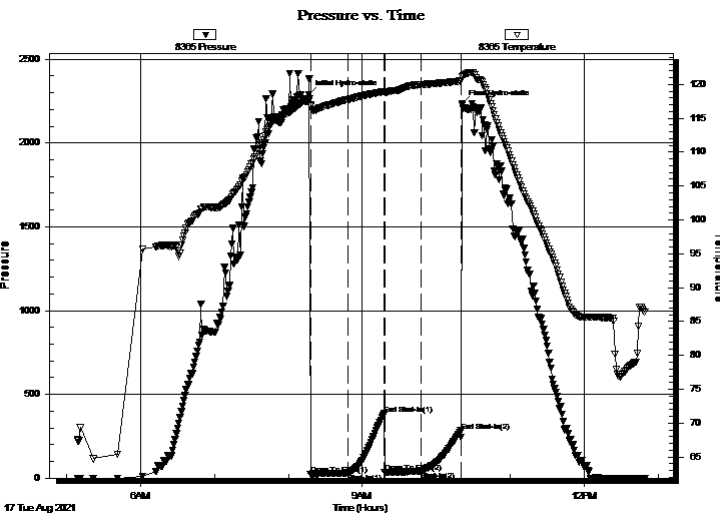
36-15s-25w Trego, KS
Harris #3
Job Ticket: 51074 **DST#: 1**
Test Start: 2021.08.17 @ 05:09:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 08:17:47 Tester: Kevin Webster
Time Test Ended: 12:49:02 Unit No: 72
Interval: 4457.00 ft (KB) To 4536.00 ft (KB) (TVD) Reference Elevations: 2555.00 ft (KB)
Total Depth: 4536.00 ft (KB) (TVD) 2544.00 ft (CF)
Hole Diameter: 7.78 inches Hole Condition: Good KB to GR/CF: 11.00 ft

Serial #: 8365 Inside
Press@RunDepth: 42.14 psig @ 4460.00 ft (KB) Capacity: psig
Start Date: 2021.08.17 End Date: 2021.08.17 Last Calib.: 2021.08.17
Start Time: 05:09:01 End Time: 12:49:02 Time On Btm: 2021.08.17 @ 08:16:47
Time Off Btm: 2021.08.17 @ 10:20:47

TEST COMMENT: IF- WSB built to 1/2" 30 min
IS- No blow back 30 min
FF- No blow
FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2289.65	117.76	Initial Hydro-static
1	21.23	116.95	Open To Flow (1)
32	31.07	117.75	Shut-In(1)
61	384.31	118.90	End Shut-In(1)
62	34.55	118.88	Open To Flow (2)
91	42.14	119.96	Shut-In(2)
123	281.92	120.54	End Shut-In(2)
124	2231.36	121.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 25% Oil 75% Mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

36-15s-25w Trego,KS
Harris #3
Job Ticket: 51074 **DST#: 1**
Test Start: 2021.08.17 @ 05:09:00

Tool Information

Drill Pipe:	Length: 4219.00 ft	Diameter: 3.80 inches	Volume: 59.18 bbl	Tool Weight: 2000.00 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: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4457.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	106.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4431.00	
Shut In Tool	5.00			4436.00	
Hydraulic tool	5.00			4441.00	
Jars	5.00			4446.00	
Safety Joint	2.00			4448.00	
Packer	5.00			4453.00	27.00 Bottom Of Top Packer
Packer	4.00			4457.00	
Stubb	1.00			4458.00	
Perforations	2.00			4460.00	
Recorder	0.00	8365	Inside	4460.00	
Recorder	0.00	6752	Outside	4460.00	
Change Over Sub	1.00			4461.00	
Drill Pipe	62.00			4523.00	
Change Over Sub	1.00			4524.00	
Perforations	9.00			4533.00	
Bullnose	3.00			4536.00	79.00 Bottom Packers & Anchor
Total Tool Length:	106.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

36-15s-25w Trego,KS
Harris #3
Job Ticket: 51074 **DST#: 1**
Test Start: 2021.08.17 @ 05:09:00

Mud and Cushion Information

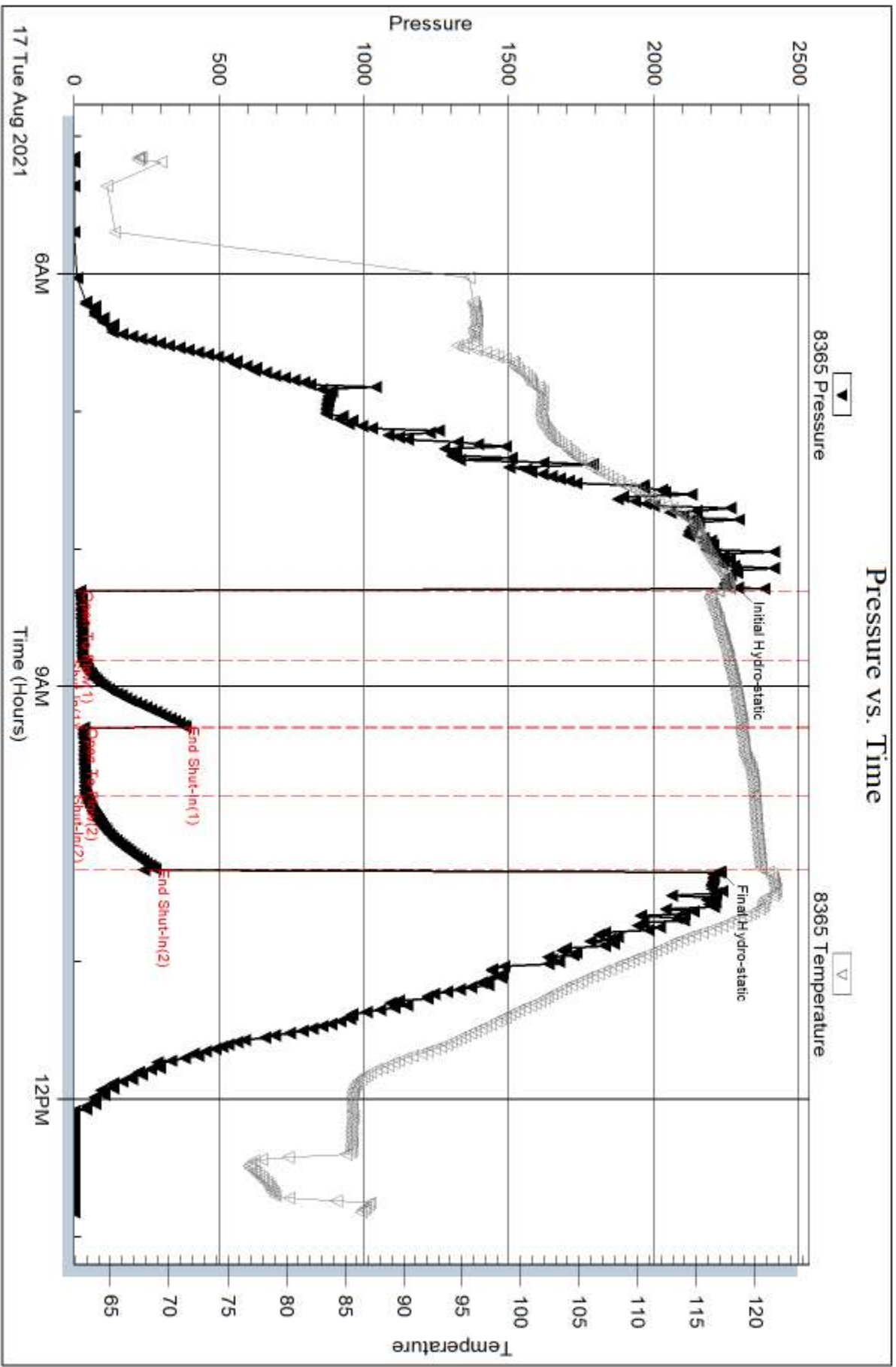
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 25% Oil 75% Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 1# LCM



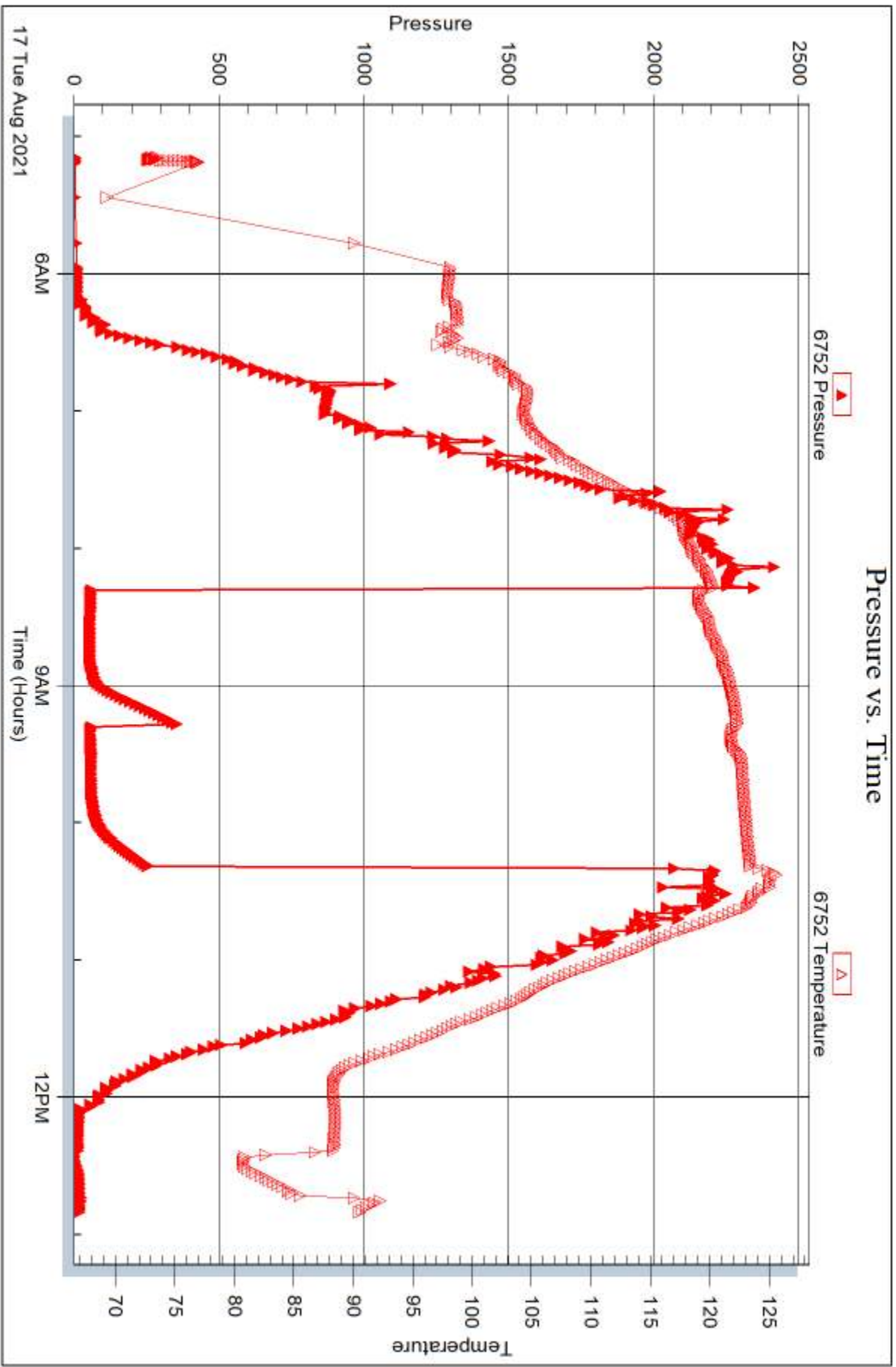
Serial #: 6752

Outside

Palomino Petroleum

Harris #3

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Harris #3

36-15s-25w Trego,KS

Start Date: 2021.08.18 @ 07:50:00

End Date: 2021.08.18 @ 16:44:02

Job Ticket #: 51075 DST #: 2

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

Printed: 2021.08.23 @ 15:47:15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

36-15s-25w Trego, KS
Harris #3
Job Ticket: 51075 **DST#: 2**
Test Start: 2021.08.18 @ 07:50:00

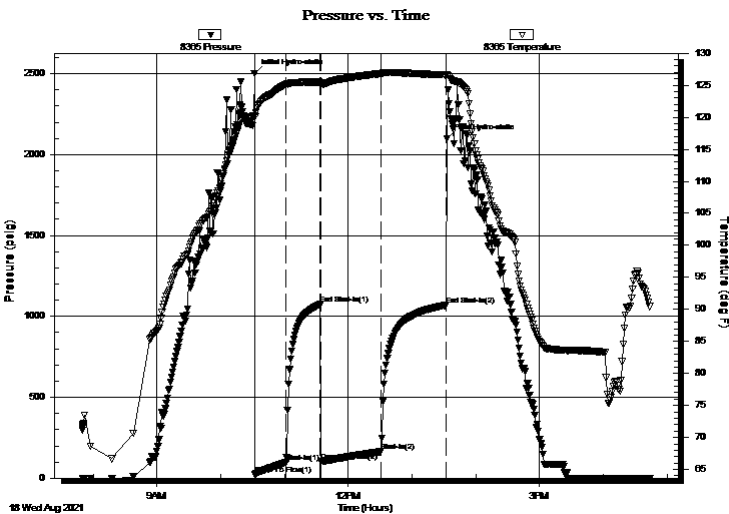
GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:32:17
Time Test Ended: 16:44:02
Interval: **4532.00 ft (KB) To 4542.00 ft (KB) (TVD)**
Total Depth: 4645.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Kevin Webster
Unit No: 72
Reference Elevations: 2555.00 ft (KB)
2544.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8365 Outside
Press@RunDepth: 165.02 psig @ 4533.00 ft (KB) Capacity: psig
Start Date: 2021.08.18 End Date: 2021.08.18 Last Calib.: 2021.08.18
Start Time: 07:50:01 End Time: 16:44:02 Time On Btm: 2021.08.18 @ 10:31:47
Time Off Btm: 2021.08.18 @ 13:32:47

TEST COMMENT: IF- WSB built to BOB in 18 min 30 min
IS- Blow back built to 1/2" 30 min
FF- WSB built to BOB in 23 min 60 min
FS- Blow back built to 1 1/2" 60 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2502.24	120.26	Initial Hydro-static
1	22.67	120.12	Open To Flow (1)
30	96.38	125.07	Shut-In(1)
62	1073.53	125.44	End Shut-In(1)
63	104.79	125.25	Open To Flow (2)
120	165.02	126.83	Shut-In(2)
180	1068.63	126.63	End Shut-In(2)
181	2100.02	126.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOWCM 10% Gas 10% Oil 35% Water	40.30vud
62.00	GOCM 15% Gas 35% Oil 50% Mud	0.30
310.00	GO 15% Gas 85% Oil	3.32
0.00	Gip 100% Gas	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 New ton, KS 67114-8827
 ATTN: Andrew Stenzel

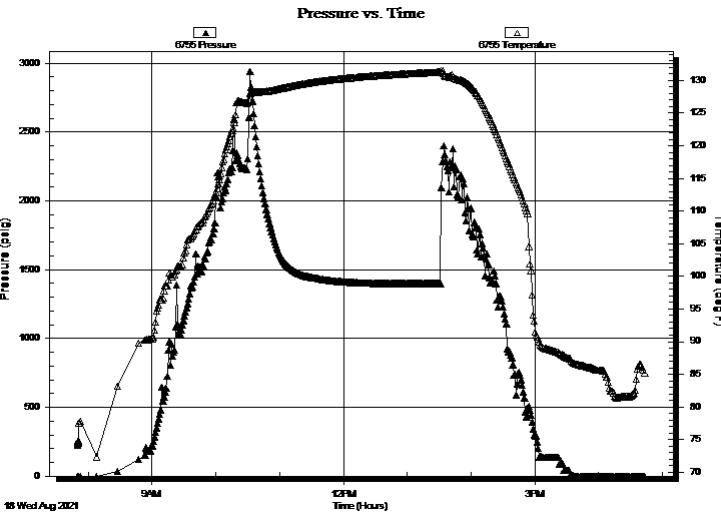
36-15s-25w Trego, KS
Harris #3
 Job Ticket: 51075 **DST#: 2**
 Test Start: 2021.08.18 @ 07:50:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 10:32:17 Tester: Kevin Webster
 Time Test Ended: 16:44:02 Unit No: 72
 Interval: **4532.00 ft (KB) To 4542.00 ft (KB) (TVD)** Reference Elevations: 2555.00 ft (KB)
 Total Depth: 4645.00 ft (KB) (TVD) 2544.00 ft (CF)
 Hole Diameter: 7.78 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6755 Below (Straddle)
 Press@RunDepth: psig @ 4646.00 ft (KB) Capacity: psig
 Start Date: 2021.08.18 End Date: 2021.08.18 Last Calib.: 2021.08.18
 Start Time: 07:50:01 End Time: 16:44:02 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF- WSB built to BOB in 18 min 30 min
 IS- Blow back built to 1/2" 30 min
 FF- WSB built to BOB in 23 min 60 min
 FS- Blow back built to 1 1/2" 60 min



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

Recovery		
Length (ft)	Description	Volume (bbl)
62.00	GOWCM 10% Gas 10% Oil 35% Water	40.30 Mud
62.00	GOCM 15% Gas 35% Oil 50% Mud	0.30
310.00	GO 15% Gas 85% Oil	3.32
0.00	Gip 100% Gas	0.00

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

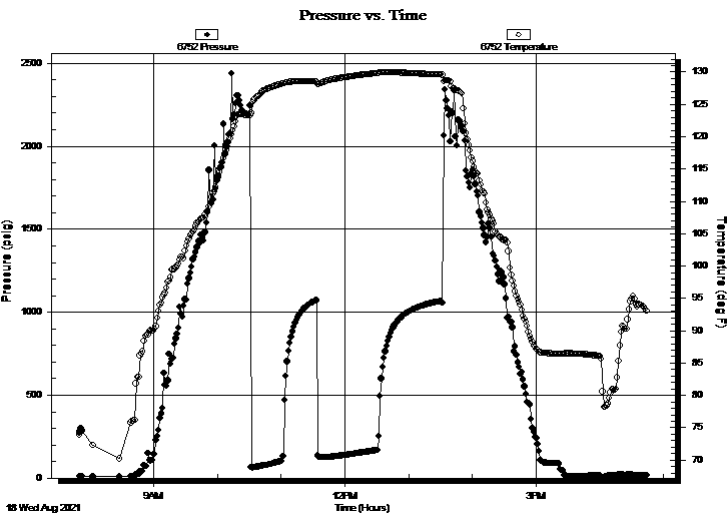
36-15s-25w Trego, KS
Harris #3
Job Ticket: 51075 **DST#: 2**
Test Start: 2021.08.18 @ 07:50:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Straddle (Reset)
Time Tool Opened: 10:32:17 Tester: Kevin Webster
Time Test Ended: 16:44:02 Unit No: 72
Interval: **4532.00 ft (KB) To 4542.00 ft (KB) (TVD)** Reference Elevations: 2555.00 ft (KB)
Total Depth: 4645.00 ft (KB) (TVD) 2544.00 ft (CF)
Hole Diameter: 7.78 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6752 Outside
Press@RunDepth: psig @ 4533.00 ft (KB) Capacity: psig
Start Date: 2021.08.18 End Date: 2021.08.18 Last Calib.: 2021.08.18
Start Time: 07:50:01 End Time: 16:44:47 Time On Btm:
Time Off Btm:

TEST COMMENT: IF- WSB built to BOB in 18 min 30 min
IS- Blow back built to 1/2" 30 min
FF- WSB built to BOB in 23 min 60 min
FS- Blow back built to 1 1/2" 60 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOWCM 10% Gas 10% Oil 35% Water	40.30 mud
62.00	GOCM 15% Gas 35% Oil 50% Mud	0.30
310.00	GO 15% Gas 85% Oil	3.32
0.00	Gip 100% Gas	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

36-15s-25w Trego,KS
Harris #3
Job Ticket: 51075 **DST#: 2**
Test Start: 2021.08.18 @ 07:50:00

Tool Information

Drill Pipe:	Length: 4281.00 ft	Diameter: 3.80 inches	Volume: 60.05 bbl	Tool Weight: 2000.00 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: 237.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4532.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	4542.00 ft			
Interval between Packers:	10.00 ft			
Tool Length:	144.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4510.00	
Hydraulic tool	5.00			4515.00	
Jars	5.00			4520.00	
Safety Joint	3.00			4523.00	
Packer	5.00			4528.00	27.00 Bottom Of Top Packer
Packer	4.00			4532.00	
Stubb	1.00			4533.00	
Recorder	0.00	6752	Outside	4533.00	
Recorder	0.00	8365	Outside	4533.00	
Perforations	8.00			4541.00	
Blank Spacing	1.00			4542.00	10.00 Tool Interval
Packer	4.00			4546.00	
Stubb	1.00			4547.00	
Change Over Sub	1.00			4548.00	
Drill Pipe	93.00			4641.00	
Change Over Sub	1.00			4642.00	
Perforations	4.00			4646.00	
Recorder	0.00	6755	Below	4646.00	
Bullnose	3.00			4649.00	107.00 Bottom Packers & Anchor

Total Tool Length: 144.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

36-15s-25w Trego,KS
Harris #3
Job Ticket: 51075 **DST#: 2**
Test Start: 2021.08.18 @ 07:50:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 42 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3700.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOWCM 10% Gas 10% Oil 35% Water 45%	0.305
62.00	GOCM 15% Gas 35% Oil 50% Mud	0.305
310.00	GO 15% Gas 85% Oil	3.319
0.00	Gip 100% Gas	0.000

Total Length: 434.00 ft Total Volume: 3.929 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

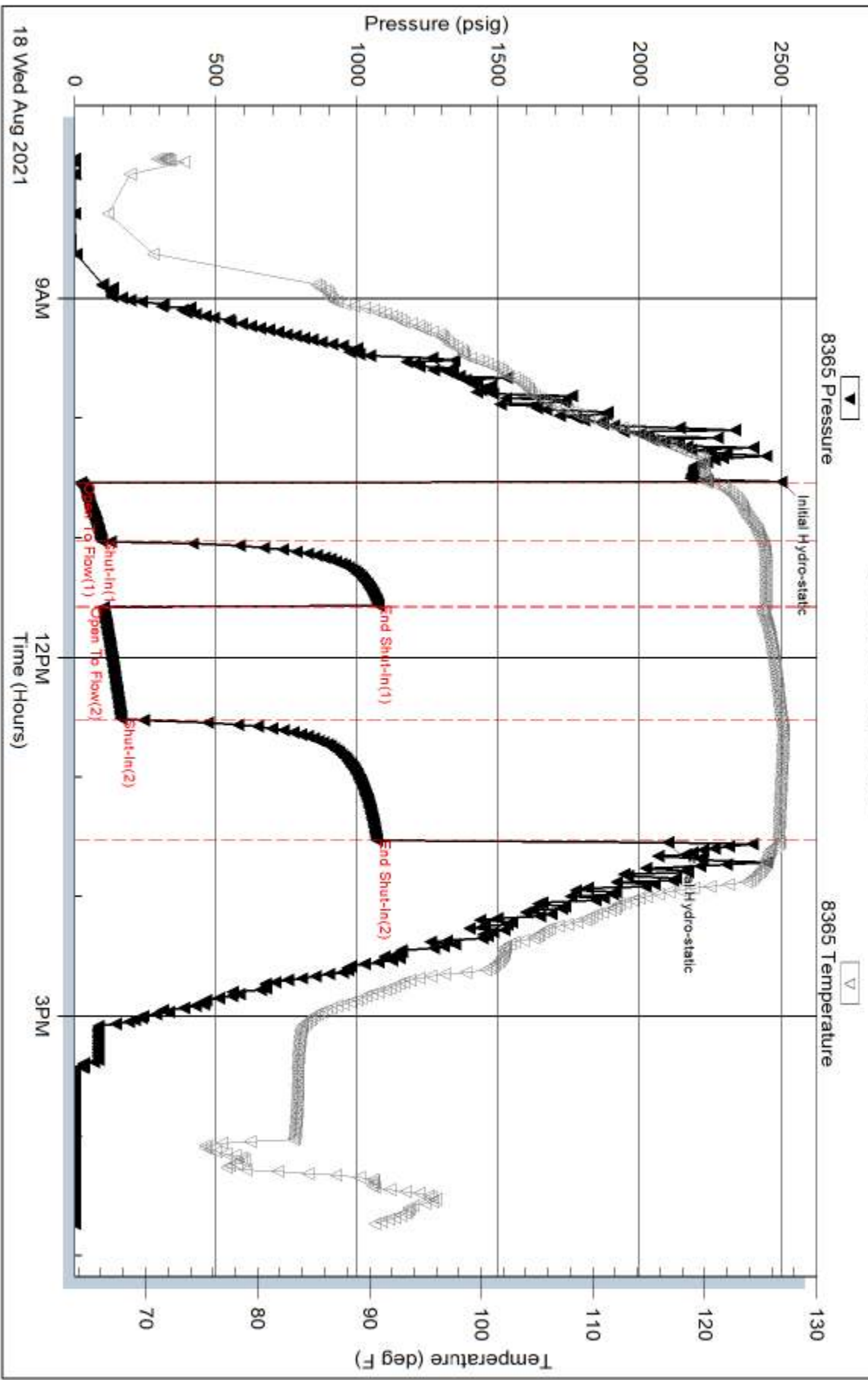
Serial #: 8365

Outside Palomino Petroleum

Harris #3

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 51075

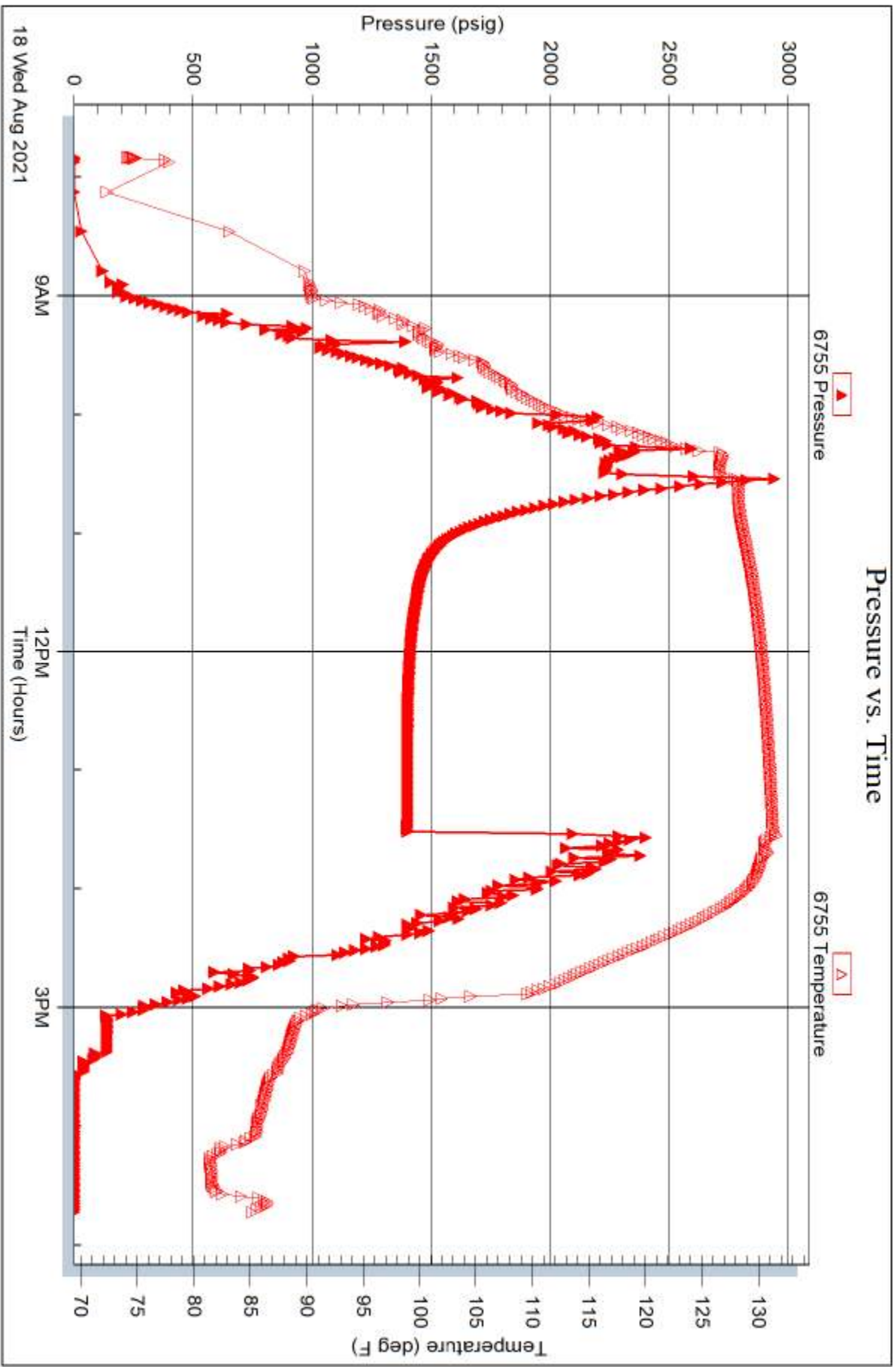
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Serial #: 6755

Below (Str Rattenho Petroleum

Harris #3

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 51075

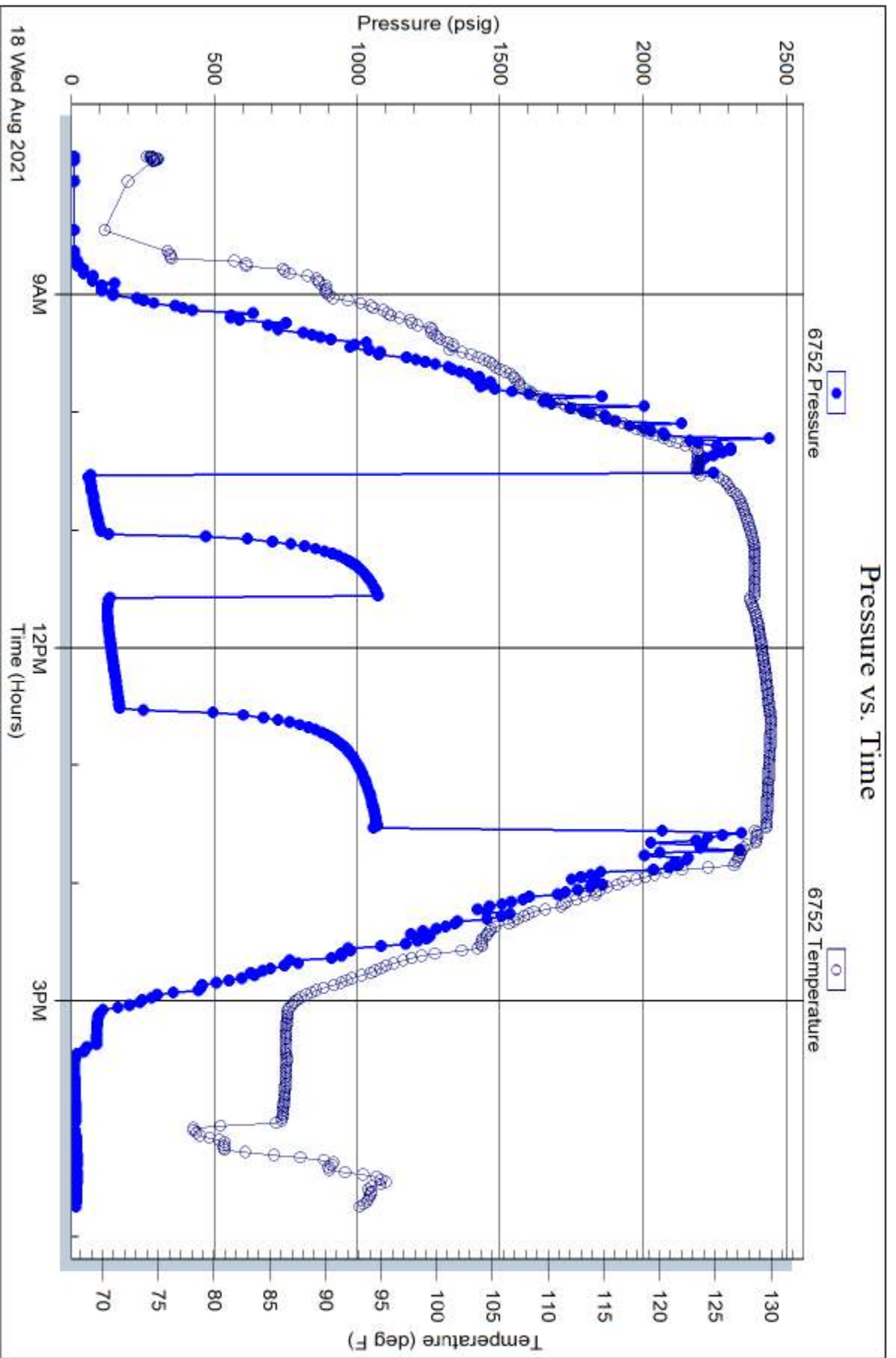
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Serial #: 6752

Outside Palomino Petroleum

Harris #3

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 51075

Printed: 2021.08.23 @ 15:47:19



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51074

Well Name & No. Harris #3 Test No. 1 Date 8/17/24
 Company Palomina Petroleum Elevation 2555 KB 2544 GL
 Address 4924 SE 84th St Newton, KS 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig Murphy 21
 Location: Sec. 36 Twp. 15S Rge. 25E Co. Trego State KS

Interval Tested 4457-4536 Zone Tested Mississippi
 Anchor Length 79' Drill Pipe Run 4219 Mud Wt. 9.5
 Top Packer Depth 4452 Drill Collars Run 297 Vis 61
 Bottom Packer Depth 4457 Wt. Pipe Run 0 WL 5.4
 Total Depth 4536 Chlorides 3700 ppm System LCM 1#

Blow Description IF-WSB built to 1/2"

ISI- No blow back

FF- No blow

FSI- NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>OCM</u>	<u>25</u>		<u>75</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT 125 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2289
 (B) First Initial Flow 21
 (C) First Final Flow 31
 (D) Initial Shut-In 384
 (E) Second Initial Flow 34
 (F) Second Final Flow 42
 (G) Final Shut-In 281
 (H) Final Hydrostatic 2231

Test 1450
 Jars 250
 Safety Joint 75
 Circ Sub _____
 Hourly Standby _____
 Mileage 120
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1895

T-On Location 0400
 T-Started 0509
 T-Open 0818
 T-Pulled 10:18
 T-Out 12:46
 Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1895
 MP/DST Disc 1

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Approved By _____ Our Representative Kevin Webster

TriLOBITE TESTING INC. shall not be liable for damaged or loss 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 opinions 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. 51075

Well Name & No. Harris #3 Test No. 2 Date 8/18/21
 Company Palomino Petroleum Elevation 2555 KB 2544 GL
 Address 4424 SE 84th ST Newton, KS 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig Multin 21
 Location: Sec. 36 Twp. 15S Rge. 25W Co. Trego State KJ

Interval Tested 4532 - 4542 Zone Tested MISSISSIPPI
 Anchor Length 10 Drill Pipe Run 4281 Mud Wt. 9.7
 Top Packer Depth 4532 Drill Collars Run 237 Vis 58
 Bottom Packer Depth 4542 Wt. Pipe Run 0 WL 6.8
 Total Depth 4645 Chlorides 4000 ppm System LCM 1 #

Blow Description FF- Wsh built to bob in 18 min
FBI- blow back built to 1/2"
FF- Wsh built to bob in 23 min
FBI- Blow back built to 1 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
62	90 cm	10	10	35	45
62	90 cm	15	35		50
310	60	15	85		
186	60	100			
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total BHT 127 Gravity 42 API RW @ °F Chlorides ppm
 (A) Initial Hydrostatic 2502 Test 1450 T-On Location 06:15
 (B) First Initial Flow 22 Jars 250 T-Started 07:50
 (C) First Final Flow 96 Safety Joint 75 T-Open 10:32
 (D) Initial Shut-In 1073 Circ Sub _____ T-Pulled 13:32
 (E) Second Initial Flow 104 Hourly Standby _____ T-Out 16:45
 (F) Second Final Flow 165 Mileage 120 Comments _____
 (G) Final Shut-In 1068 Sampler _____
 (H) Final Hydrostatic 2100 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2495
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2495

Initial Open 30
 Initial Shut In 30
 Final Flow 60
 Final Shut In 60

Approved By _____ Our Representative Kevin Webster
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the well 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 opinions 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.