

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	HERTEL 4
Doc ID	1802477

All Electric Logs Run

Induction
Porosity
Microlog
Sonic



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Keaton Jones

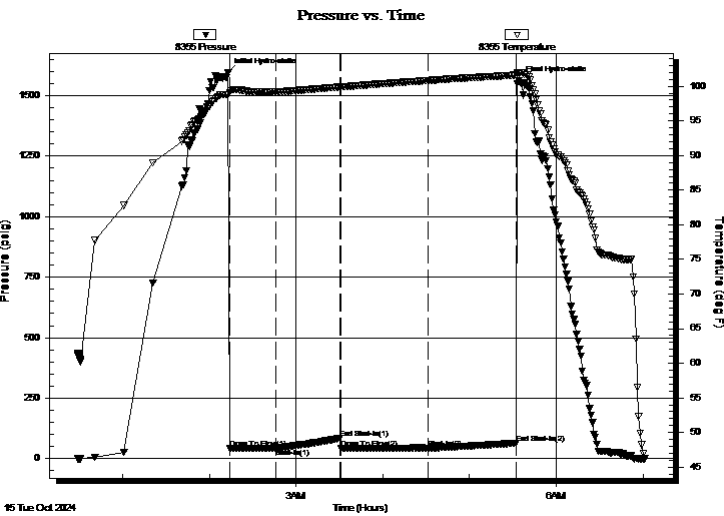
21-14S17W/ Ellis
Hertel 4
Job Ticket: 64535 **DST#: 1**
Test Start: 2024.10.15 @ 00:29:00

GENERAL INFORMATION:

Formation: **LKC 'A&B'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:14:07
Time Test Ended: 07:01:07
Test Type: Conventional Bottom Hole (Initial)
Tester: Richie Samora
Unit No: 76
Interval: **3248.00 ft (KB) To 3300.00 ft (KB) (TVD)**
Reference Elevations: 1986.00 ft (KB)
Total Depth: 3300.00 ft (KB) (TVD) 1976.00 ft (CF)
Hole Diameter: 7.79 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8355 Inside
Press@RunDepth: 43.94 psig @ 3290.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.10.15 End Date: 2024.10.15 Last Calib.: 1899.12.30
Start Time: 00:29:01 End Time: 07:01:07 Time On Btm: 2024.10.15 @ 02:13:07
Time Off Btm: 2024.10.15 @ 05:34:07

TEST COMMENT: 30-IF: Weak blow built to 1.75" ended flow at 1.35"
45-ISI: No Returns
60-FF: No blow
60-FSI: No Returns



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1595.92	98.84	Initial Hydro-static
1	41.70	99.10	Open To Flow (1)
33	42.17	99.19	Shut-In(1)
77	84.60	99.90	End Shut-In(1)
78	43.30	99.90	Open To Flow (2)
138	43.94	100.83	Shut-In(2)
199	64.56	101.62	End Shut-In(2)
201	1563.18	101.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	MUD 100%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

21-14S17W/ Ellis

2020 N. Bramblewood
Wichita KS 67206

Hertel 4

Job Ticket: 64535

DST#: 1

ATTN: Keaton Jones

Test Start: 2024.10.15 @ 00:29:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	MUD 100%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 40' of GIP

Serial #: 8355

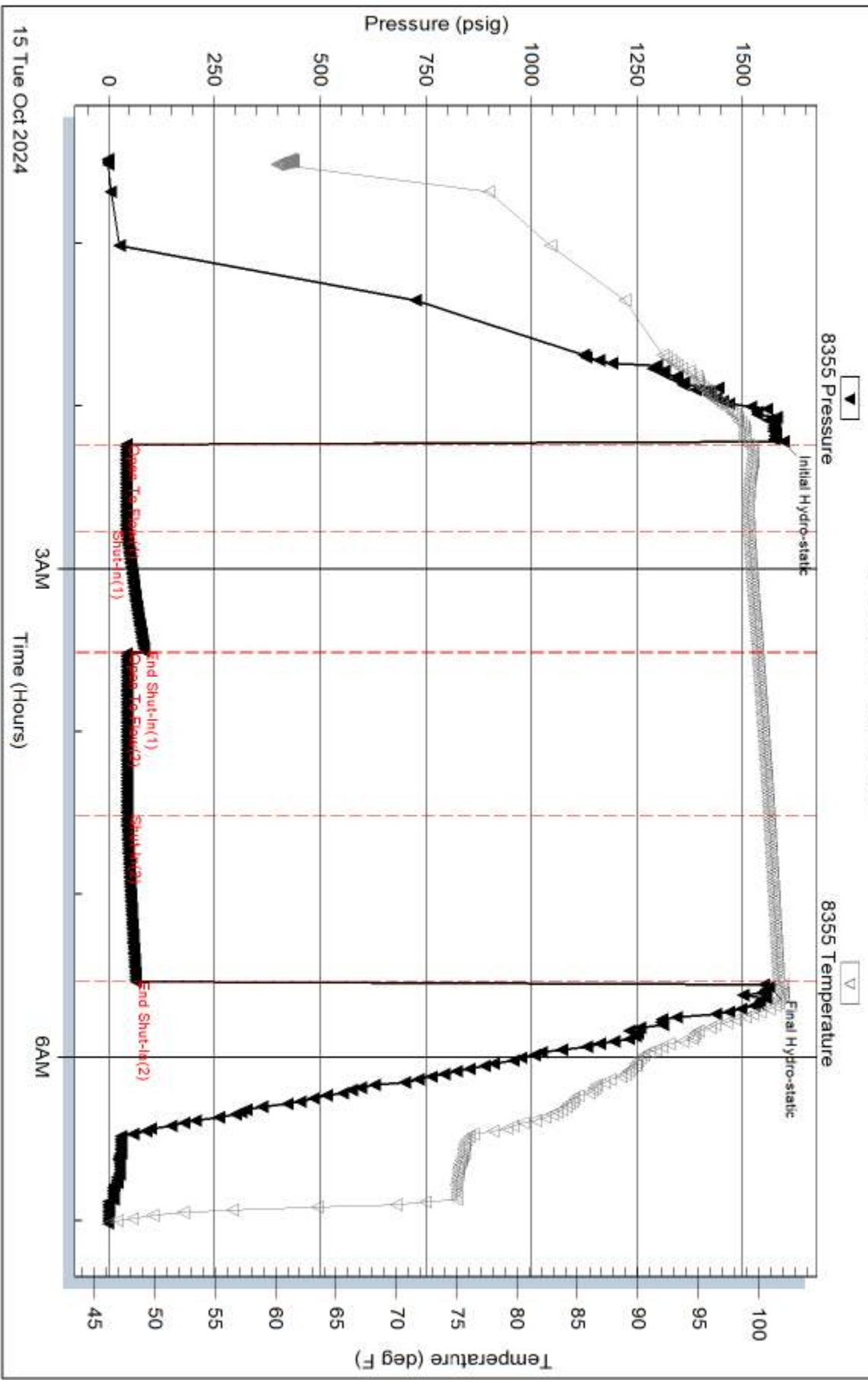
Inside

Berexco LLC

Herrel 4

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 64535

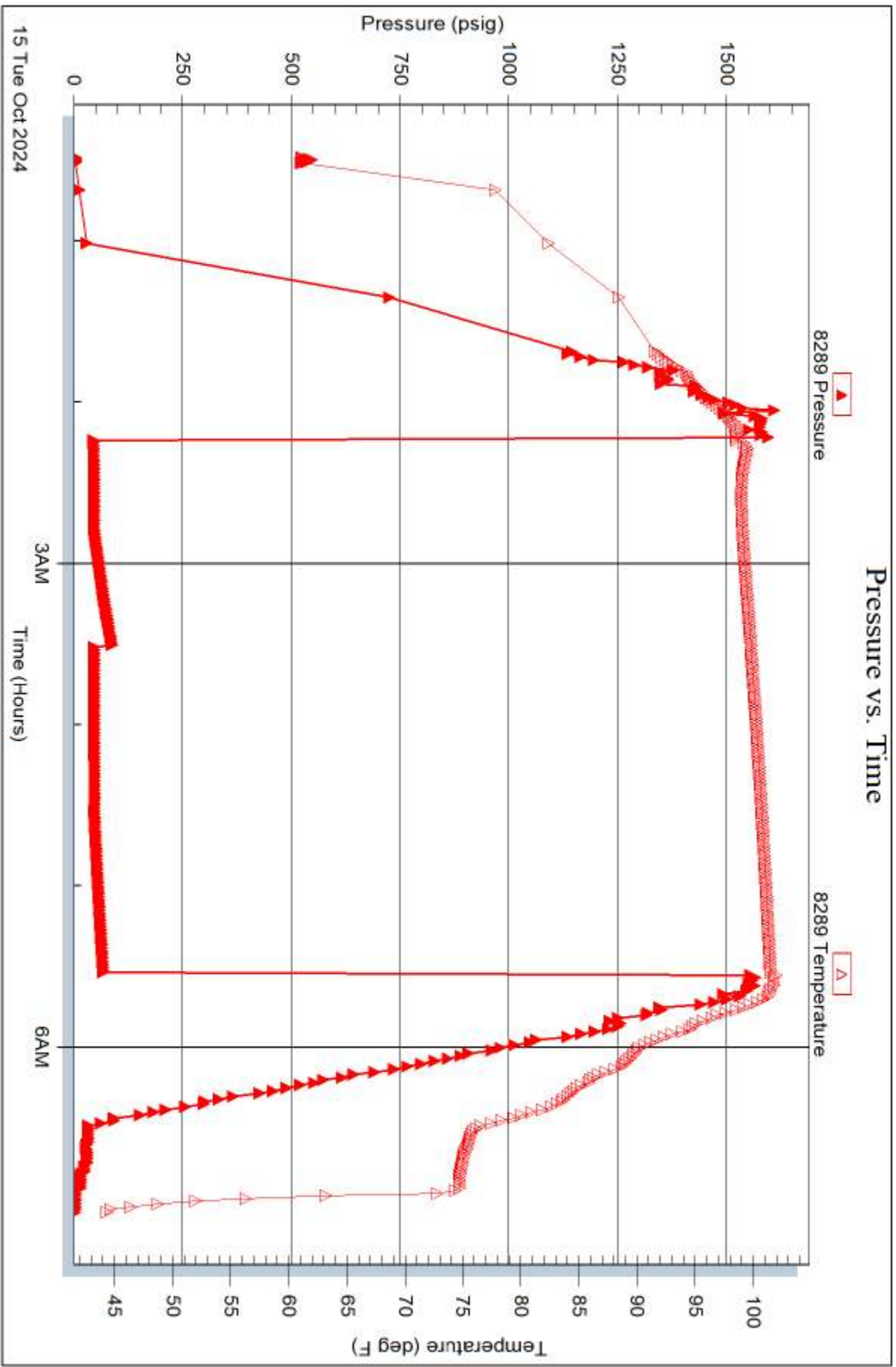
Printed: 2024.10.15 @ 08:06:01

Serial #: 8289

Outside Berexco LLC

Herfel 4

DST Test Number: 1





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Keaton Jones

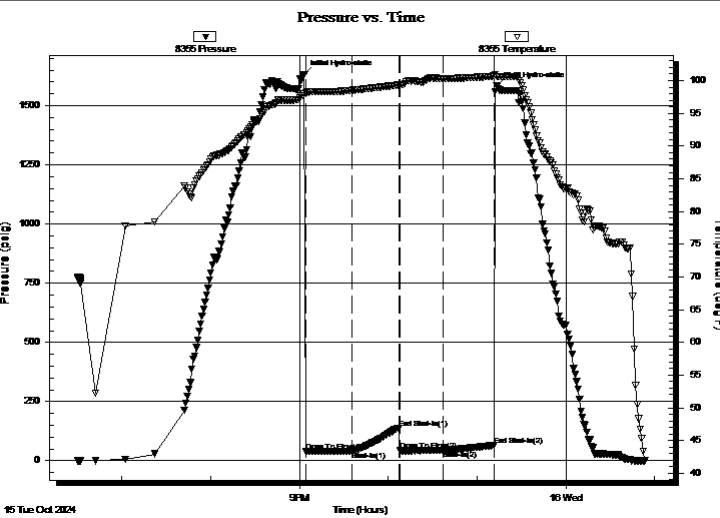
21-14S17W/ Ellis
Hertel 4
Job Ticket: 64536 **DST#: 2**
Test Start: 2024.10.15 @ 18:30:00

GENERAL INFORMATION:

Formation: **LKC 'F & G'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:04:07
Time Test Ended: 00:53:37
Interval: **3300.00 ft (KB) To 3360.00 ft (KB) (TVD)**
Total Depth: 3360.00 ft (KB) (TVD)
Hole Diameter: 7.79 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Richie Samora
Unit No: 76
Reference Elevations: 1986.00 ft (KB)
1976.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8355 **Inside**
Press@RunDepth: 43.69 psig @ 3342.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.10.15 End Date: 2024.10.16 Last Calib.: 1899.12.30
Start Time: 18:30:01 End Time: 00:53:37 Time On Btm: 2024.10.15 @ 21:03:07
Time Off Btm: 2024.10.15 @ 23:13:07

TEST COMMENT: 30-IF: Weak blow reached 1"
30-ISI: No Returns
30-FF: No Blow
30-FSI: No Returns



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1631.70	97.99	Initial Hydro-static
1	38.85	98.15	Open To Flow (1)
32	41.56	98.51	Shut-In(1)
64	138.86	99.32	End Shut-In(1)
65	42.98	99.44	Open To Flow (2)
94	43.69	100.31	Shut-In(2)
128	65.12	100.67	End Shut-In(2)
130	1582.18	100.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%M	0.28

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

21-14S17W/ Ellis

2020 N. Bramblewood
Wichita KS 67206

Hertel 4

Job Ticket: 64536

DST#: 2

ATTN: Keaton Jones

Test Start: 2024.10.15 @ 18:30:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: OSM in Tool

Serial #: 8355

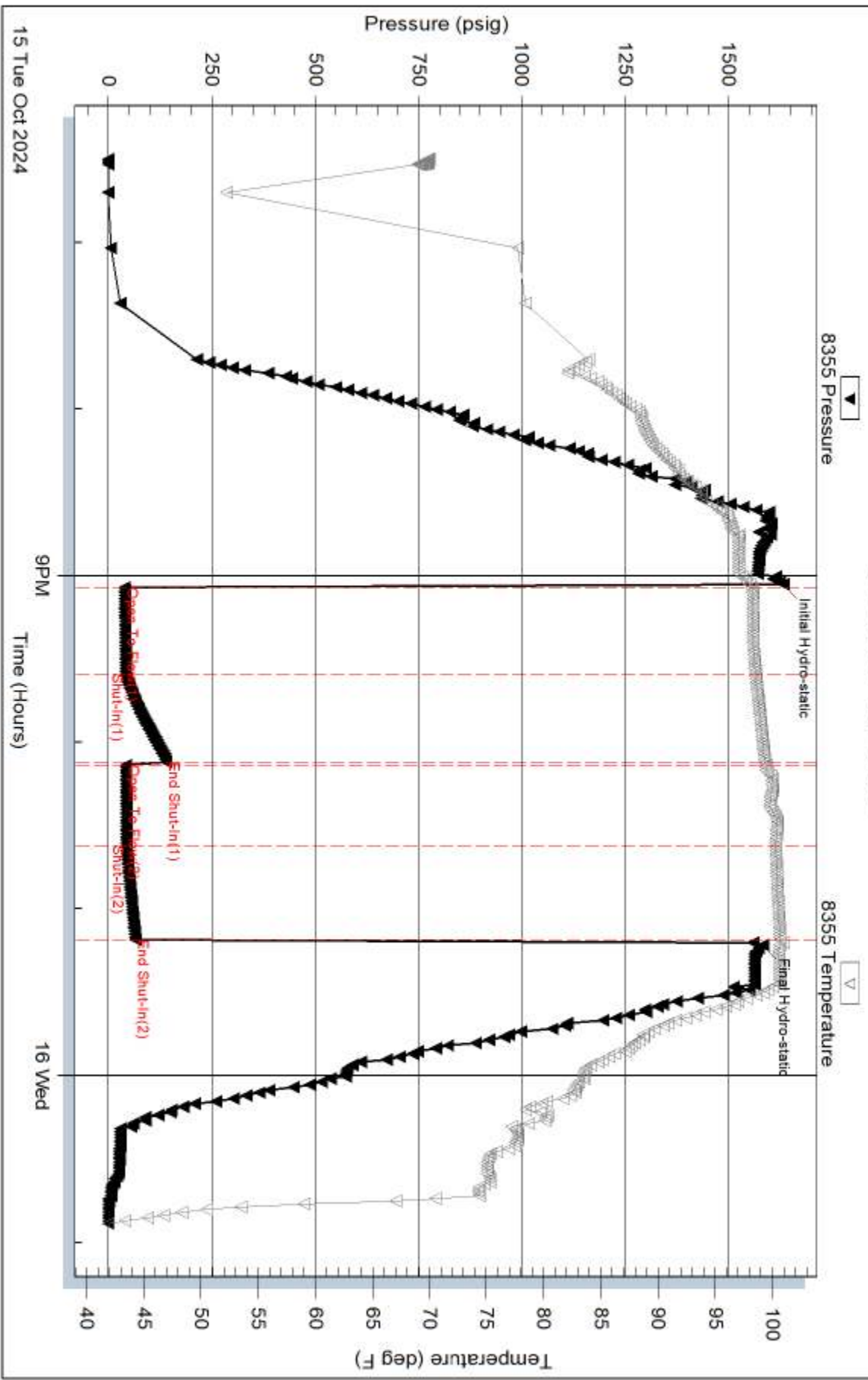
Inside

Berexco LLC

Herfel 4

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 64536

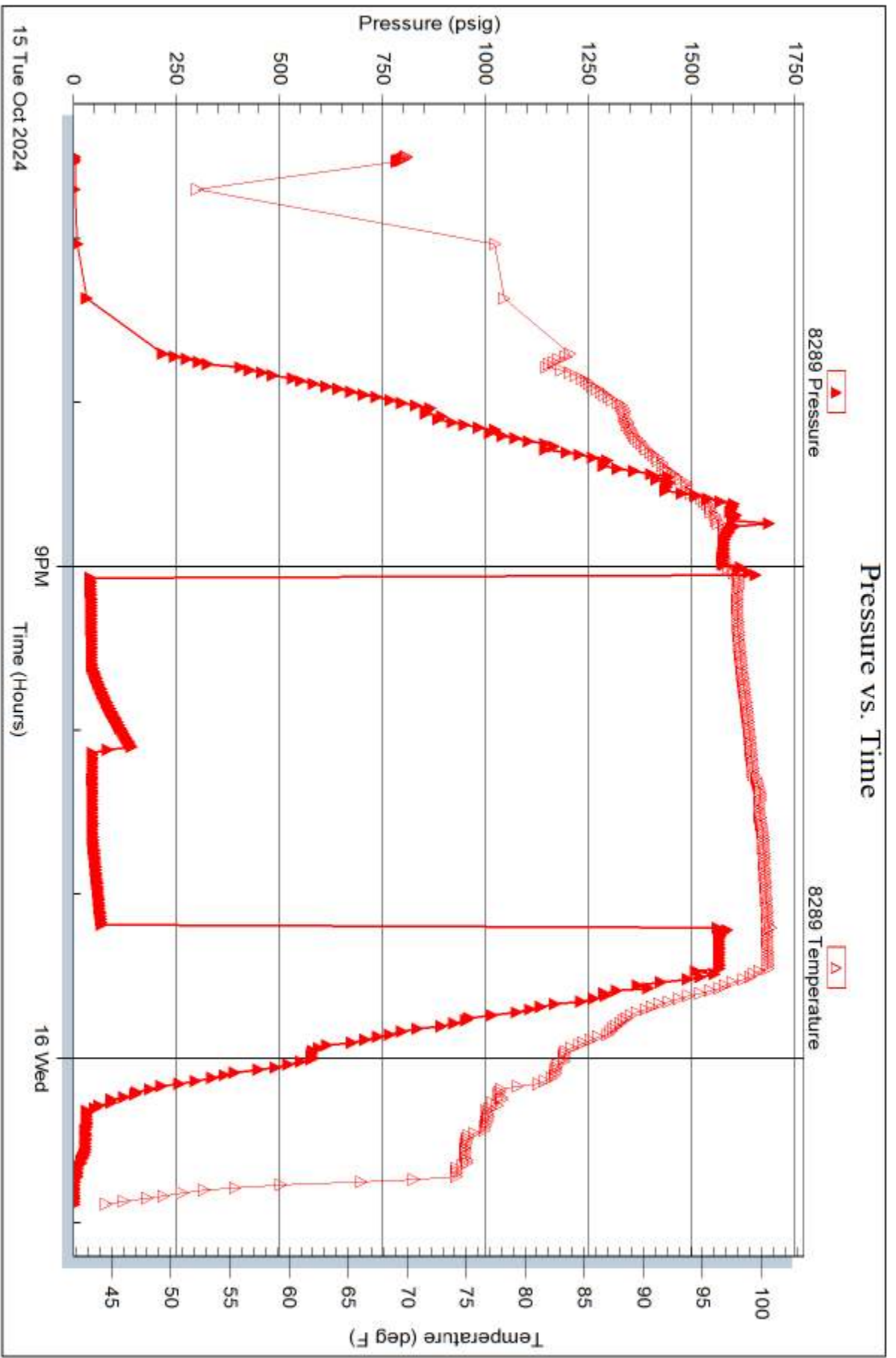
Printed: 2024.10.16 @ 07:33:03

Serial #: 8289

Outside Berexco LLC

Herfel 4

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 64536

Printed: 2024.10.16 @ 07:33:03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Keaton Jones

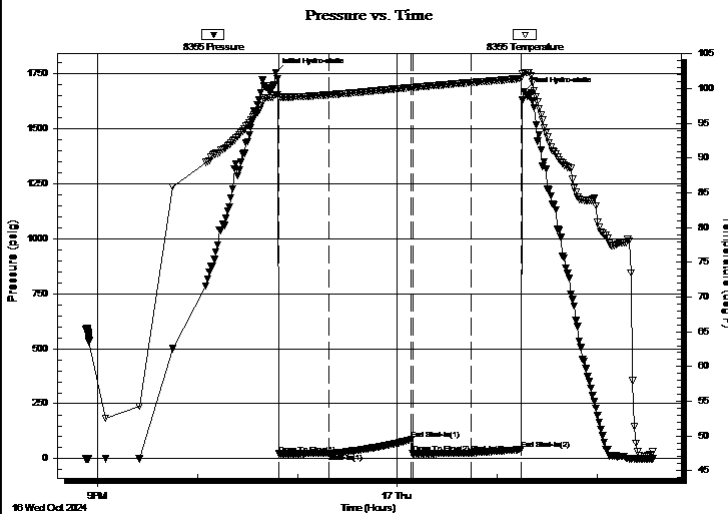
21-14S17W/ Ellis
Hertel 4
Job Ticket: 64537 **DST#: 3**
Test Start: 2024.10.16 @ 20:53:00

GENERAL INFORMATION:

Formation: **Arbucle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:49:07
Time Test Ended: 02:33:37
Interval: **3488.00 ft (KB) To 3532.00 ft (KB) (TVD)**
Total Depth: 3532.00 ft (KB) (TVD)
Hole Diameter: 7.79 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Richie Samora
Unit No: 76
Reference Elevations: 1986.00 ft (KB)
1976.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8355 Inside
Press@RunDepth: 25.86 psig @ 3494.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.10.16 End Date: 2024.10.17 Last Calib.: 1899.12.30
Start Time: 20:53:01 End Time: 02:33:37 Time On Btm: 2024.10.16 @ 22:47:07
Time Off Btm: 2024.10.17 @ 01:16:07

TEST COMMENT: 30-IF: Weak surface blow built to .5"
45-ISI: No Returns
30-FF: No Blow
30-FSI: No Returns



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.05	99.11	Initial Hydro-static
2	22.29	98.79	Open To Flow (1)
32	23.42	99.13	Shut-In(1)
81	86.53	100.17	End Shut-In(1)
82	22.91	100.16	Open To Flow (2)
117	25.86	100.89	Shut-In(2)
147	42.49	101.46	End Shut-In(2)
149	1667.76	102.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 5%O 95%M	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

21-14S17W/ Ellis

2020 N. Bramblewood
Wichita KS 67206

Hertel 4

Job Ticket: 64537

DST#: 3

ATTN: Keaton Jones

Test Start: 2024.10.16 @ 20:53:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 5%O 95%M	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3" of CO

Serial #: 8355

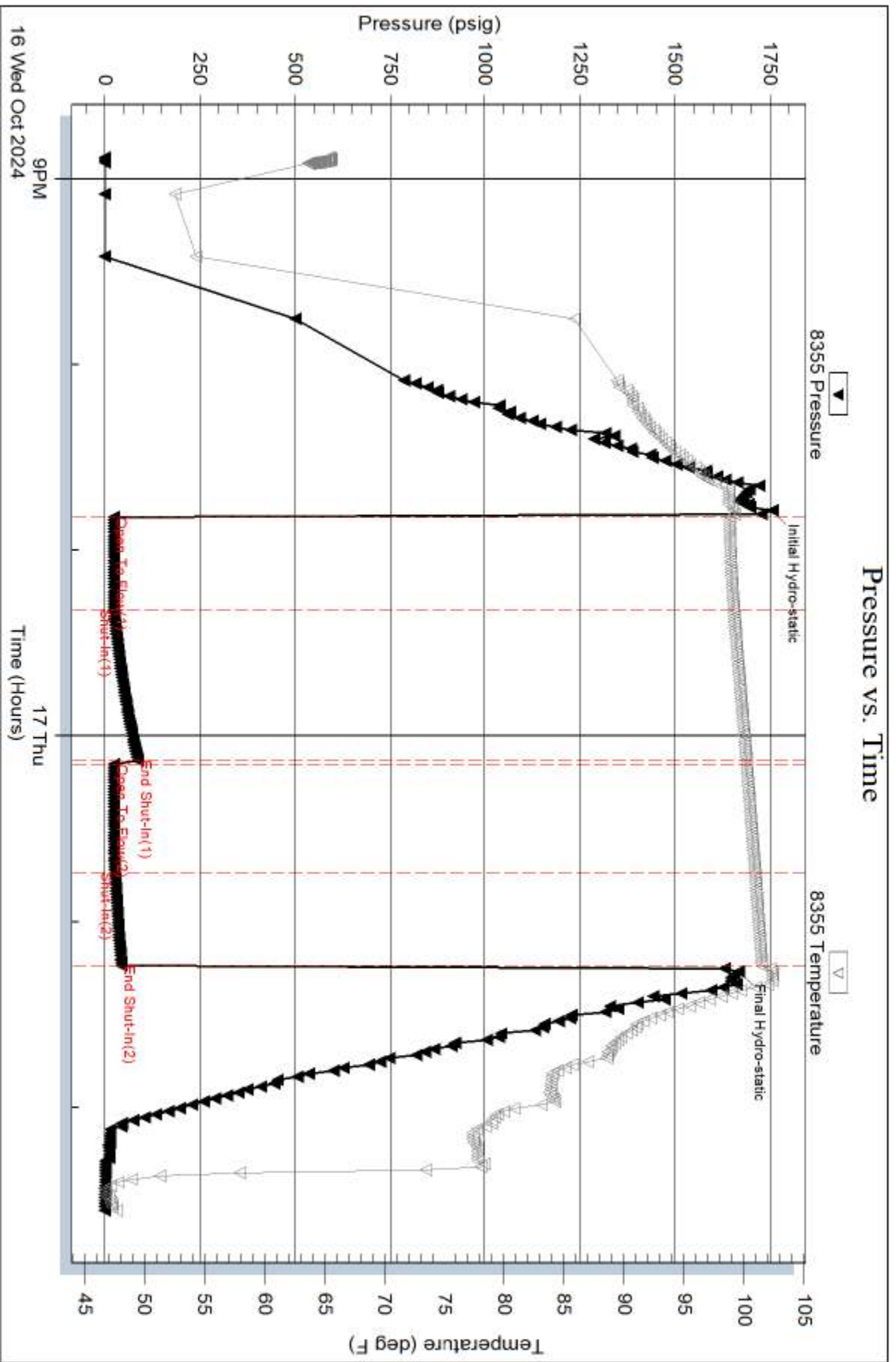
Inside

Berexco LLC

Herrel 4

DST Test Number: 3

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 64537

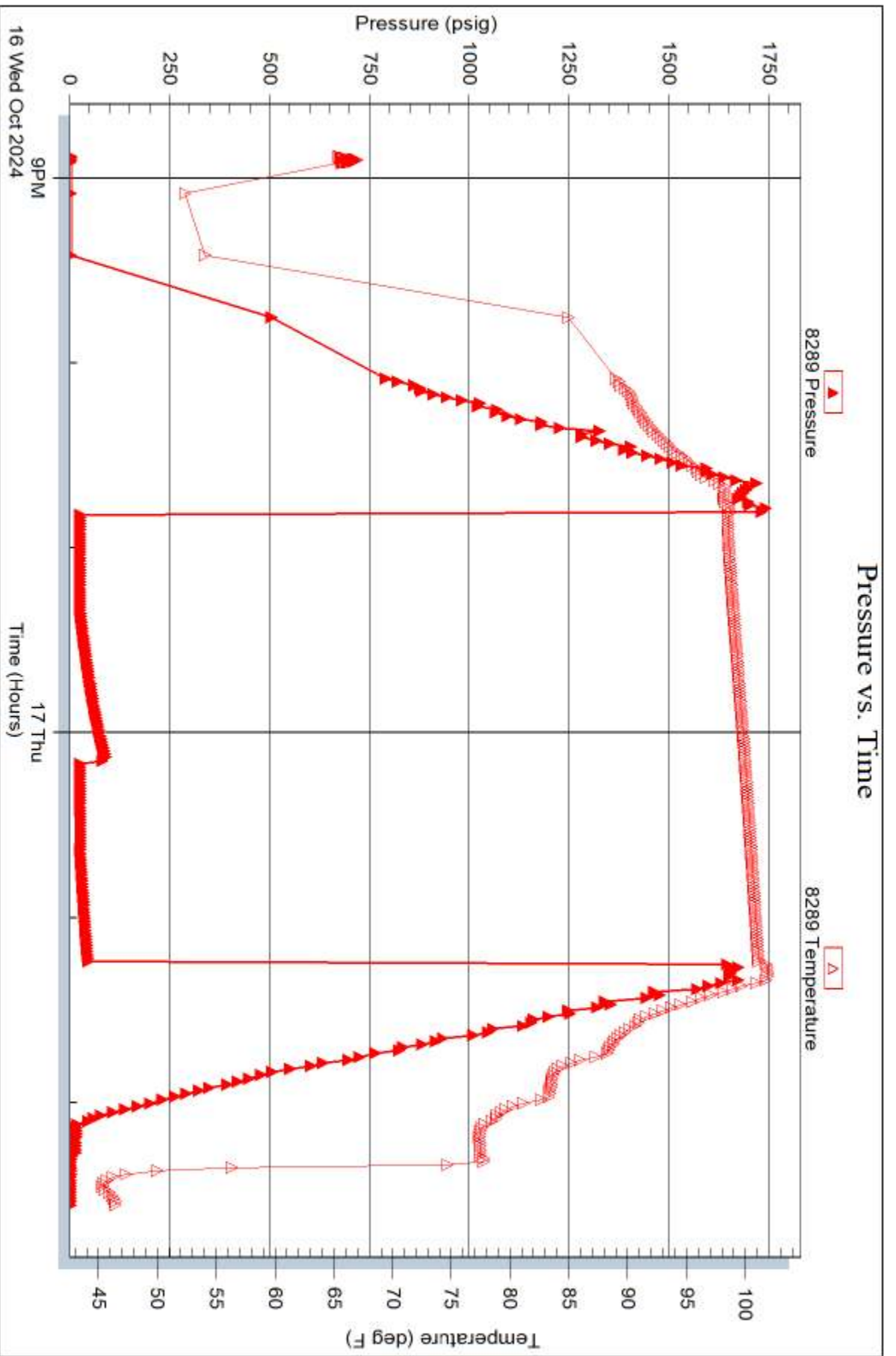
Printed: 2024.10.17 @ 07:47:22

Serial #: 8289

Outside Berexco LLC

Hertel 4

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64537

Printed: 2024.10.17 @ 07:47:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Keaton Jones

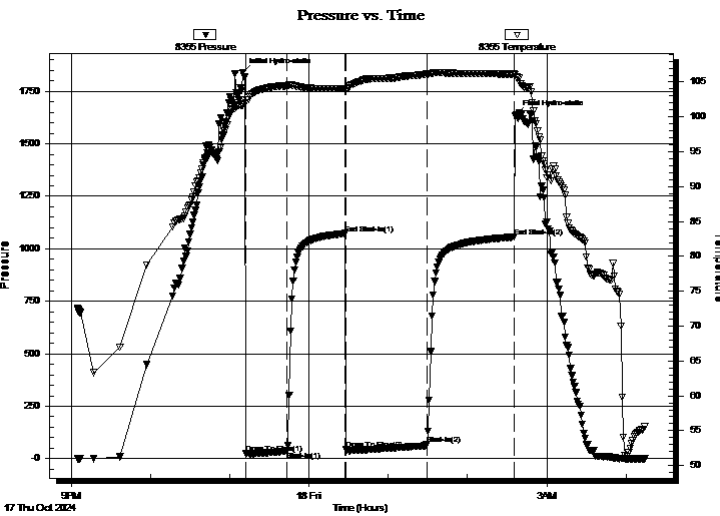
21-14S17W/ Ellis
Hertel 4
Job Ticket: 64538 **DST#: 4**
Test Start: 2024.10.17 @ 21:05:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:12:07
Time Test Ended: 04:14:07
Interval: **3518.00 ft (KB) To 3552.00 ft (KB) (TVD)**
Total Depth: 3592.00 ft (KB) (TVD)
Hole Diameter: 7.79 inches Hole Condition: Good
Test Type: Conventional Straddle (Reset)
Tester: Richie Samora
Unit No: 76
Reference Elevations: 1986.00 ft (KB)
1976.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8355 Inside
Press@RunDepth: 69.72 psig @ 3524.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.10.17 End Date: 2024.10.18 Last Calib.: 1899.12.30
Start Time: 21:05:01 End Time: 04:14:07 Time On Btm: 2024.10.17 @ 23:10:07
Time Off Btm: 2024.10.18 @ 02:37:07

TEST COMMENT: 30-IF: Weak blow built to 4.5"
45-ISI: No Returns
60-FF: Weak blow built to 6.5"
60-FSI: No Returns



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.87	101.70	Initial Hydro-static
2	23.90	102.02	Open To Flow (1)
33	35.17	104.46	Shut-In(1)
77	1072.20	104.04	End Shut-In(1)
78	44.03	103.78	Open To Flow (2)
139	69.72	106.13	Shut-In(2)
205	1055.48	106.14	End Shut-In(2)
207	1640.19	105.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	SOCWM 10%O 45%W 45%M	0.98
10.00	CO 100%O	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco LLC

21-14S17W/ Ellis

2020 N. Bramblewood
Wichita KS 67206

Hertel 4

Job Ticket: 64538

DST#: 4

ATTN: Keaton Jones

Test Start: 2024.10.17 @ 21:05:00

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:

80000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	SOCWM 10%O 45%W 45%M	0.982
10.00	CO 100%O	0.140

Total Length: 80.00 ft

Total Volume: 1.122 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

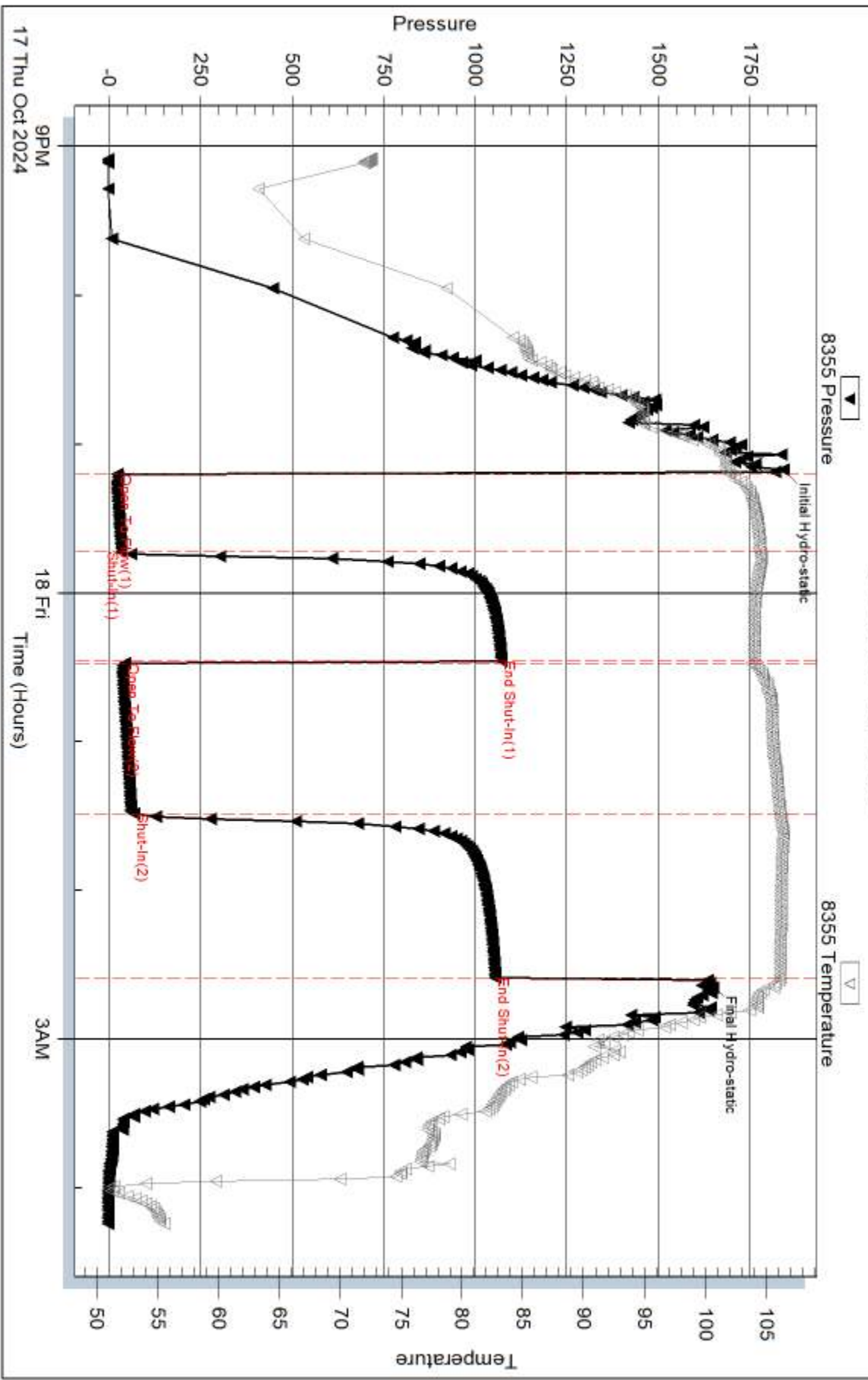
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

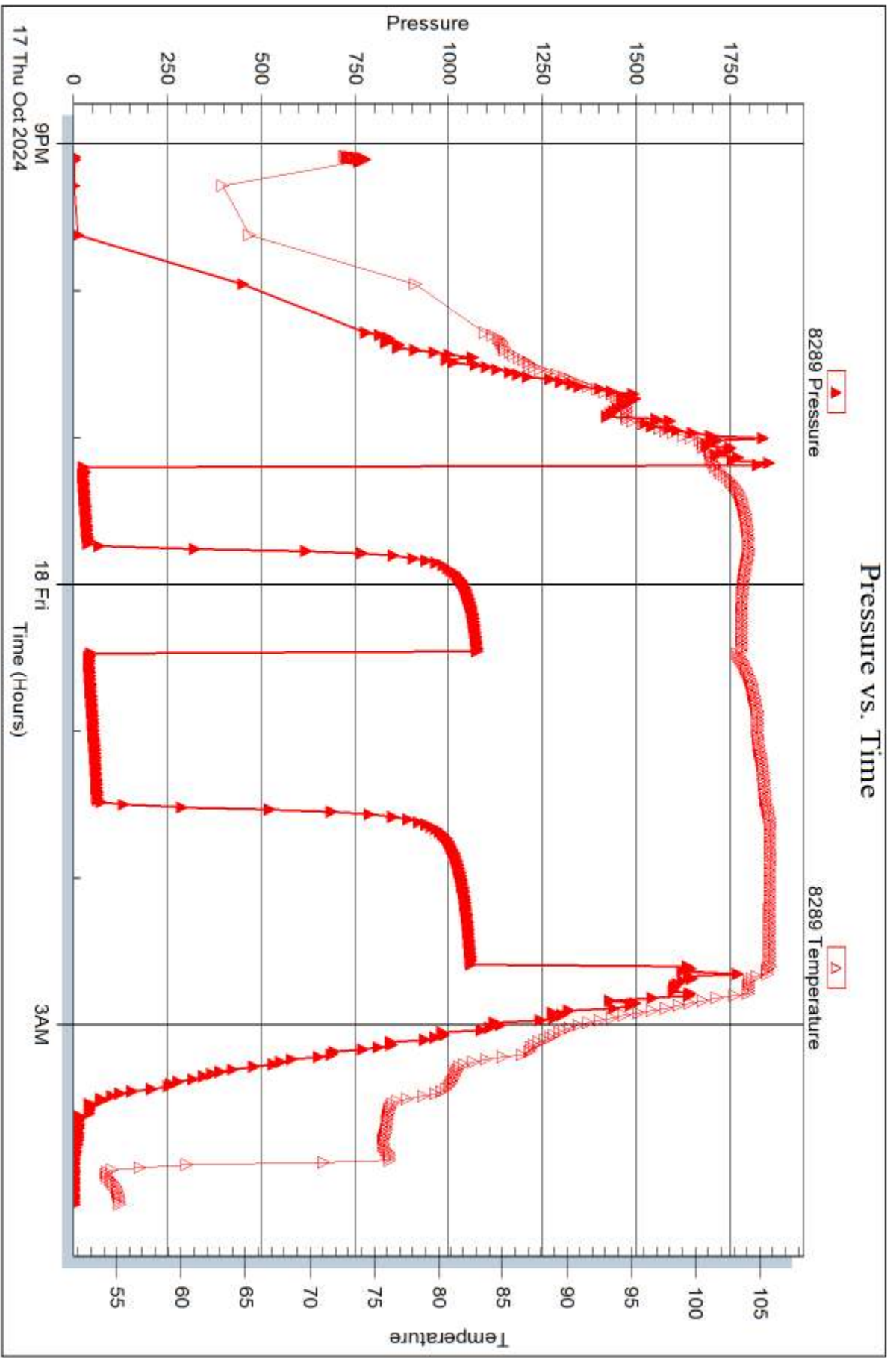


Serial #: 8289

Outside Berexco LLC

Herfel 4

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 64538

Printed: 2024.10.18 @ 07:43:43

Hertel #4
WellSight Systems
 Scale 1:240 (5"=100') Imperial
 Measured Depth Log

Well Name: Hertel #4
 API: 15-051-27113
 Location: 1740' FNL, 1110' FEL of NE 1/4 21-14S-17W
 License Number: 34318
 Spud Date: 10/10/2024
 Surface Coordinates: 38.8228864, -99.2108162 (NAD 27)

Region: Ellis County
 Drilling Completed: 10/17/2024

Bottom Hole Same As Surface
 Coordinates:
 Ground Elevation (ft): 1976
 Logged Interval (ft): 2800 To: R.T.D
 Formation: Arbuckle @ R.T.D
 Type of Drilling Fluid: Chemical (MudCo.)

K.B. Elevation (ft): 1986
 Total Depth (ft): 3600
 Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Berexco LLC
 Address: 2020 North Bramblewood,
 Wichita, KS 67206

GEOLOGIST

Name: Keaton Jones
 Company: Rockhound Petroleum, LLC
 Address: 255 NE 30th
 St. John KS 67576

Wellsite Comparison

Pipe Strap		0.88		Short		Hertel #4			
Drilling Tops		<u>Comparison</u>		Log Tops		<u>In Comparison to</u>			
Lease:	Hertel #4		Strat Comp	Hertel #4		Lease:	Hertel B1		Strat Comp
Formation	K.B Depth:	1986 Datum		K.B Depth:	1986 Datum	Formation	K.B Depth:	1980 Datum	
Anhy		1986	0		1986	Anhy		1980	6
Topeka	2966	-980	-7	2959	-973	Topeka	2944	-964	-9
Platts	3140	-1154	-9	3131	-1145	Platts	3118	-1138	-7
Heebner	3217	-1231	-8	3209	-1223	Heebner	3195	-1215	-8
Toronto	3238	-1252	-10	3228	-1242	Toronto	3215	-1235	-7
LKC "A"	3262	-1276	-7	3255	-1269	LKC "A"	3242	-1262	-7
LKC "B"	3285	-1299	-7	3278	-1292	LKC "B"	3264	-1284	-8
LKC "G"	3343	-1357	1	3344	-1358	LKC "G"	3322	-1342	-16
LKC "H"	3399	-1413	-11	3388	-1402	LKC "H"	3380	-1400	-2
LKC "I"	3420	-1434	-9	3411	-1425	LKC "I"	3402	-1422	-3
LKC "J"	3438	-1452	-12	3426	-1440	LKC "J"	3418	-1438	-2
LKC "K"	3459	-1473	-9	3450	-1464	LKC "K"	3442	-1462	-2
LKC "L"	3481	-1495	-8	3473	-1487	LKC "L"		1980	-3467
BKC	3489	-1503	-9	3480	-1494	BKC	3472	-1492	-2
ARB	3518	-1532	-7	3511	-1525	ARB	3501	-1521	-4



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67208
ATTN: Keaton Jones

21-14S17W/ Ellis
Hertel 4
Job Ticket: 64535 **DST#: 1**
Test Start: 2024.10.15 @ 00:29:00

GENERAL INFORMATION:

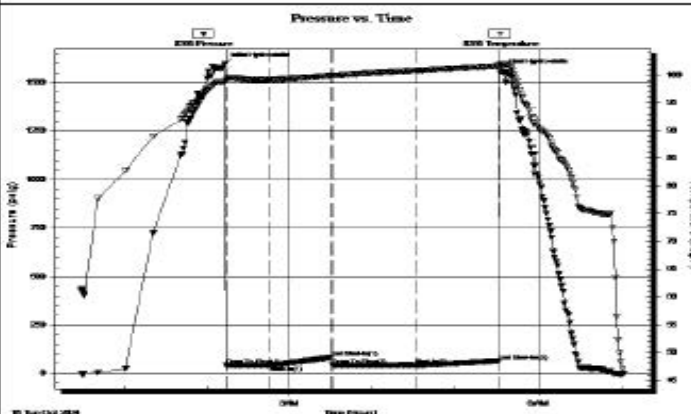
Formation: LKC 'A&B'	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Richie Samora
Time Tool Opened: 02:14:07	Unit No: 76
Time Test Ended: 07:01:07	Reference Elevations: 1986.00 ft (KB)
Interval: 3248.00 ft (KB) To 3300.00 ft (KB) (TVD)	1976.00 ft (CF)
Total Depth: 3300.00 ft (KB) (TVD)	KB to GR/CF: 10.00 ft
Hole Diameter: 7.79 inches Hole Condition: Good	

Serial #: 8355

Inside

Press@RunDepth: 43.94 psig @ 3290.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2024.10.15	End Date: 2024.10.15
Start Time: 00:29:01	End Time: 07:01:07
	Last Calib.: 1999.12.30
	Time On Btm: 2024.10.15 @ 02:13:07
	Time Off Btm: 2024.10.15 @ 05:34:07

TEST COMMENT: 30-IF: Weak blow built to 1.75" ended flow at 1.35"
 45-ISI: No Returns
 60-FF: No blow
 60-FSI: No Returns



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1595.92	98.84	Initial Hydro-static
1	41.70	99.10	Open To Flow (1)
33	42.17	99.19	Shut-In(1)
77	84.60	99.90	End Shut-In(1)
78	43.30	99.90	Open To Flow (2)
138	43.94	100.83	Shut-In(2)
199	64.56	101.62	End Shut-In(2)
201	1563.18	101.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	MUD 100%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Keaton Jones

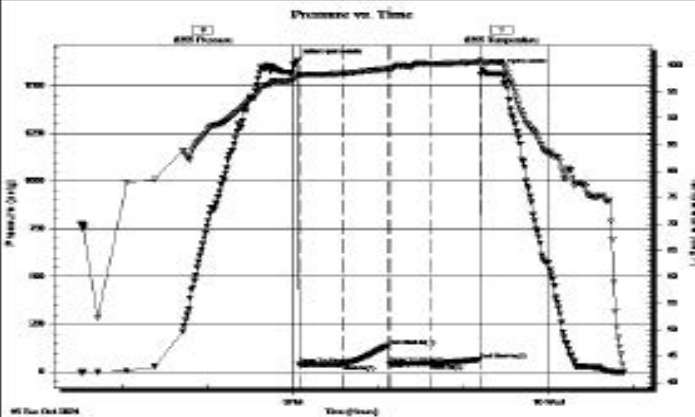
21-14S17W/ Ellis
Hertel 4
Job Ticket: 64536 **DST#: 2**
Test Start: 2024.10.15 @ 18:30:00

GENERAL INFORMATION:

Formation: **LKC 'F & G'**
 Deviated: No Whipstock ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 21:04:07 Tester: Richie Samora
 Time Test Ended: 00:53:37 Unit No: 76
 Interval: **3300.00 ft (KB) To 3360.00 ft (KB) (TVD)** Reference Elevations: 1986.00 ft (KB)
 Total Depth: 3360.00 ft (KB) (TVD) 1976.00 ft (CF)
 Hole Diameter: 7.79 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8355 Inside
 Press@RunDepth: 43.69 psig @ 3342.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2024.10.15 End Date: 2024.10.16 Last Calib.: 1899.12.30
 Start Time: 18:30:01 End Time: 00:53:37 Time On Btm: 2024.10.15 @ 21:03:07
 Time Off Btm: 2024.10.15 @ 23:13:07

TEST COMMENT: 30-F: Weak blow reached 1"
 30-BI: No Returns
 30-FF: No Blow
 30-FSI: No Returns



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1631.70	97.99	Initial Hydro-static
1	38.85	98.15	Open To Flow (1)
32	41.56	98.51	Shut-in(1)
64	138.86	99.32	End Shut-in(1)
65	42.98	99.44	Open To Flow (2)
94	43.69	100.31	Shut-in(2)
128	65.12	100.67	End Shut-in(2)
130	1582.18	100.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%M	0.28

* Recovery from multiple tests

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N. Bramblewood
Wichita KS 67206
ATTN: Keaton Jones

21-14S17W/ Ellis
Hertel 4
Job Ticket: 64537 **DST#: 3**
Test Start: 2024.10.16 @ 20:53:00

GENERAL INFORMATION:

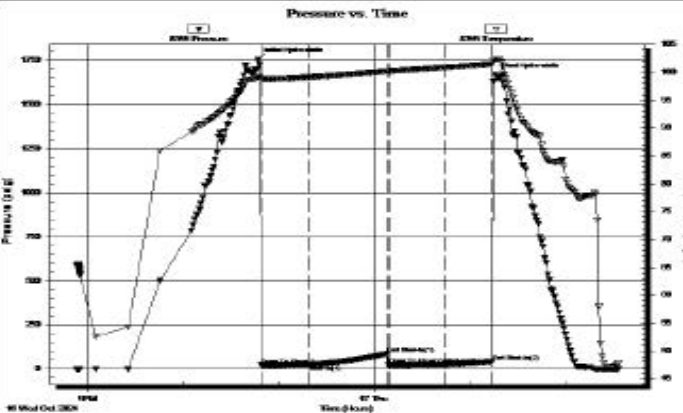
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:49:07
Time Test Ended: 02:33:37
Test Type: Conventional Bottom Hole (Reset)
Tester: Richie Samora
Unit No: 76
Interval: **3488.00 ft (KB) To 3532.00 ft (KB) (TVD)**
Total Depth: 3532.00 ft (KB) (TVD)
Reference Elevations: 1986.00 ft (KB)
1976.00 ft (CF)
Hole Diameter: 7.79 inches -hole Condition: Good
KB to GR/CF: 10.00 ft

Serial #: 8355

Inside

Press@RunDepth: 25.86 psig @ 3494.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2024.10.16 End Date: 2024.10.17 Last Calib.: 1899.12.30
Start Time: 20:53:01 End Time: 02:33:37 Time On Btm: 2024.10.16 @ 22:47:07
Time Off Btm: 2024.10.17 @ 01:16:07

TEST COMMENT: 30-F: Weak surface blow built to .5'
45-Is: No Returns
30-FF: No Blow
30-FSt: No Returns



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.05	99.11	Initial Hydro-static
2	22.29	98.79	Open To Flow (1)
32	23.42	99.13	Shut-In(1)
81	86.53	100.17	End Shut-In(1)
82	22.91	100.16	Open To Flow (2)
117	25.86	100.89	Shut-In(2)
147	42.49	101.46	End Shut-In(2)
149	1667.76	102.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 5%O 95%M	0.07

* Recovery from multiple tests

Gas Rates

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



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC
 2020 N. Bramblewood
 Wichita KS 67206
 ATTN: Keaton Jones

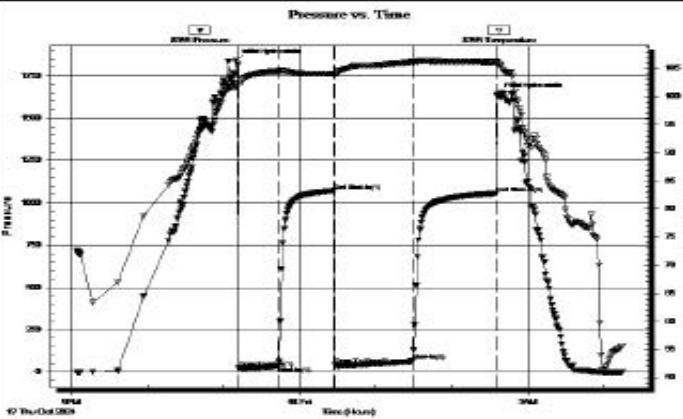
21-14S17W/ Ellis
Hertel 4
 Job Ticket: 64538 **DST#: 4**
 Test Start: 2024.10.17 @ 21:05:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 23:12:07
 Tester: Richie Samora
 Time Test Ended: 04:14:07
 Unit No: 76
 Interval: **3518.00 ft (KB) To 3552.00 ft (KB) (TVD)**
 Reference Elevations: 1986.00 ft (KB)
 Total Depth: 3592.00 ft (KB) (TVD)
 1976.00 ft (CF)
 Hole Diameter: 7.79 inches -hole Condition: Good
 KB to GR/CF: 10.00 ft

Serial #: 8355 Inside
 Press@RunDepth: 69.72 psig @ 3524.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2024.10.17 End Date: 2024.10.18 Last Calib.: 1899.12.30
 Start Time: 21:05:01 End Time: 04:14:07 Time On Btm: 2024.10.17 @ 23:10:07
 Time Off Btm: 2024.10.18 @ 02:37:07

TEST COMMENT: 30-F: Weak blow built to 4.5'
 45-B: No Returns
 60-FF: Weak blow built to 6.5'
 60-FSI: No Returns



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.87	101.70	Initial Hydro-static
2	23.90	102.02	Open To Flow (1)
33	35.17	104.46	Shut-In(1)
77	1072.20	104.04	End Shut-In(1)
78	44.03	103.78	Open To Flow (2)
139	69.72	106.13	Shut-In(2)
205	1055.48	106.14	End Shut-In(2)
207	1640.19	105.73	Final Hydro-static

Recovery

Length (ft)	Description	Vdum (bbl)
70.00	SOCWM 10%O 45%W 45%M	0.98
10.00	CO 100%O	0.14

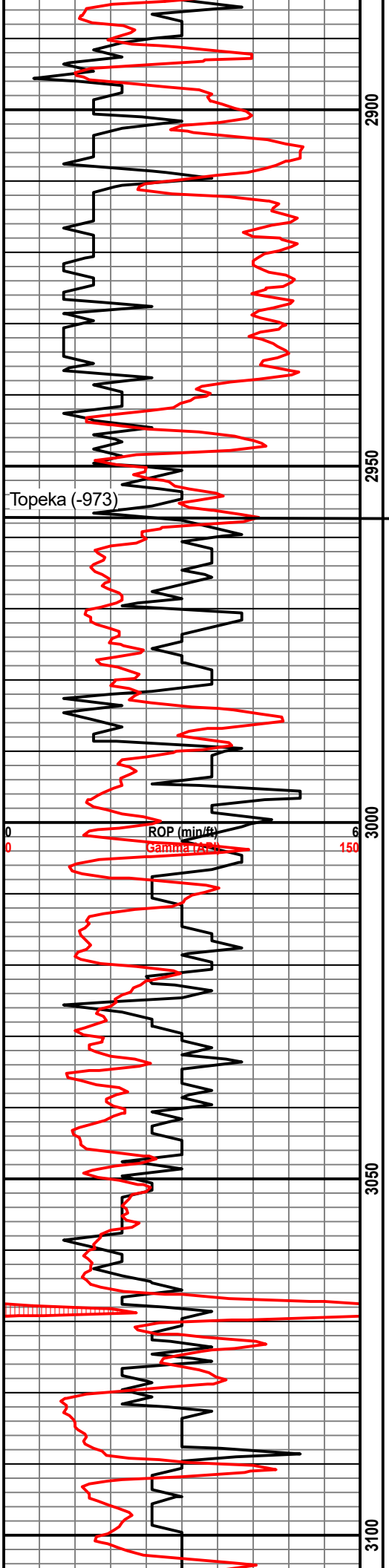
Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)

* R recovery from multiple tests

ROCK TYPES

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



Ls - tan, fXln, Foss, Sme InterXLn Por, Scat Black Mat, N/S
 Ls - tan, fXLn, Foss, InterXLn, N/S
 Shale - Gry, Fiss,
 Ls - Mostly Tan, Partial Gry, FXLn, Scat Foss, Interbed Shales, N/S
 Ls - Br, fXLn, Highly Foss, XLn Por, Some Chalky, Gry, N/S
 Ls - Br, fXLn, Foss, Scat Shales, Sme InterXLn Por, NS
 Ls - Tan, MedXLn, foss, weathered, interXLn Por, N/S
 Ls - Tan, MicroXLn, Trc Foss, Mostly No vis Por, N/S
 Ls - Tan/Br, MicroXLn, Trc Foss, Sme Scat Oolites, Mostly No Vis Por N/S
 Ls - Br, MicroXLn, Trc Foss, Scat Organic Mat, Mostly No Vis por N/S
 Shale - Gry, Silty
 Ls - Tan, MicroXLn, Trc InterXLn, Scar Shales with Mostly No Vis Por
 Ls - Br, MedXLn, InterXLn, Foss, PP por, edged, with sme scat shales, Poor Por, N/S N/O
 Ls - Gry, fXln, Foss, Trc Br Strn, Scat Shales, Blk, N/S N/O
 Ls - Tan, MedXLn, InterXLn por, Highly Foss, N/S N/O
 Ls - Tan, MedXLn, InterXLn, foss, Trc Oolites, Interbed Shales, Gry, N/S N/O
 Ls - Tan, fXLn, foss, shaly, mostly No VIs Por N/S
 Ls - Tan, MedXLn, Weathered, Li Br Strn, N/S N/O
 Ls - Tan, fXln, Oolit, Foss, InterXLn, Trc Shales, N/S
 Shale - black - Carb
 Sales - Gry
 Ls - Light Tan, MicroXLn, Mostly No Vis Por
 Shale - Mostly Black, SMe gray streaks - LS Gry, Highly Shaly, sli chalky
 Ls - Tan, Mostly MicroXLn, with no vis por, Sme MedXLn, Highly Foss, scat oolites, shaly with

Conn - 2891

- Mud Check -
Wt: 8.6
Vis: 50

Conn - 2922

Conn - 2954

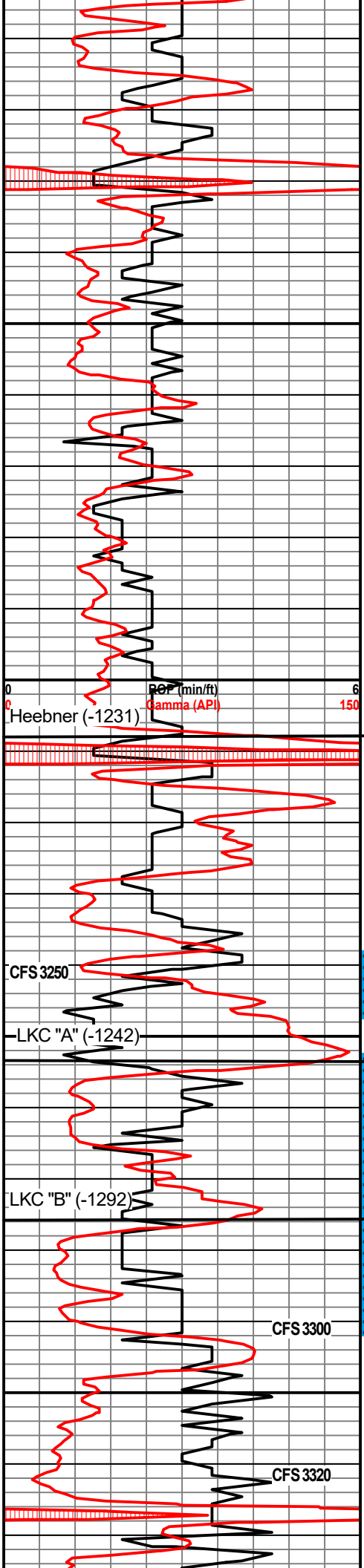
Conn - 2986

- Mud Report -
Depth: 3022
Wt: 8.8
Vis: 50
Fl: 6.2
Chl: 8,000
Lcm: 3#

Conn - 3017

Conn - 3049

Conn - 3081



No Shows

Ls - gry, MicroXLn, Mosly No Vis Por, Chert - Gry, Transl, Foss, Oolit

Ls - Tan, fXLn, Highly Interoolit por, foss, N/S N/O

Shale - BLack - Carb

Ls - Br, MedXLn, Scat InterXLn por, Foss/Oolit in part, Trc Dead Oil Stn, N/S N/O

Ls - Tan, MedXLn, Foss, oolit, in sme, Scat Shales, N/S N/O

Ls - Br, MedXLn, interXLn, scat shales black, Sme Dead oil stn, No Shows

Ls - mostly br MicroXLn foss with Scat Wht chert, Sharp Transl, Oolit, N/S N/O

Ls - Tan, MedXLn, IntreXLn, Shaly, Scat PP Por, Foss, N/S

Ls - Tan/Gry, MicroXLn, foss, Scat InterXLn, PP Por, Sli SFO Weak to NO ODOR

Ls - Gry, Shaly, MedXLn, InterXLn, Poor Por, N/S N/O

Shale - Jet Black, Carb, Fiss, Bleeds Gas

Shale - Gray

Ls - Wht, fXLn, PP Por, Scat InterXLn Fair show Heavy Oil Stn, No Free Oil, No Odor

Shale - Red, chalky

Shale - Gry,

Ls - Br, MicroXLn, PP Por, Dead Oil Stn, weak odor, No free oil

Ls - Tan, MicroXLn, PP Por, Few Scat vugs, Sli SFO&G Fair Odor

Ls - Li Br, fXLn, InterXLn, PP Por, Few Scat Vugs, Trc Foss, Sli SFO&G Fair Odor

Ls - Tan, MicroXLn, Mostly No Vis Por

Ls - br, fXLn, Sme interXLn, Highly Foss, PP por, Vuggy with GSFO&G, Fresh Stn, Weak Odor

Ls - Cream, MicroXLn, Mostly no vis Por, N/S N/O

Ls - Tan, /Cream, MicroXLn, Mostly No Vis Por

Shale Black, Sli Silty

Ls - br, MexLn, Foss, Vuggy, Heavy Oil Stain, show of heav free oil. Fair Odor

Conn - 3113

- Mud check -
Wt: 8.9
Vis: 48
Conn - 3144

Conn - 3176

Conn - 3207

- DST (1) -
3248-3300
Rec" - 20' Mud
40' GIP
Conn - 3240

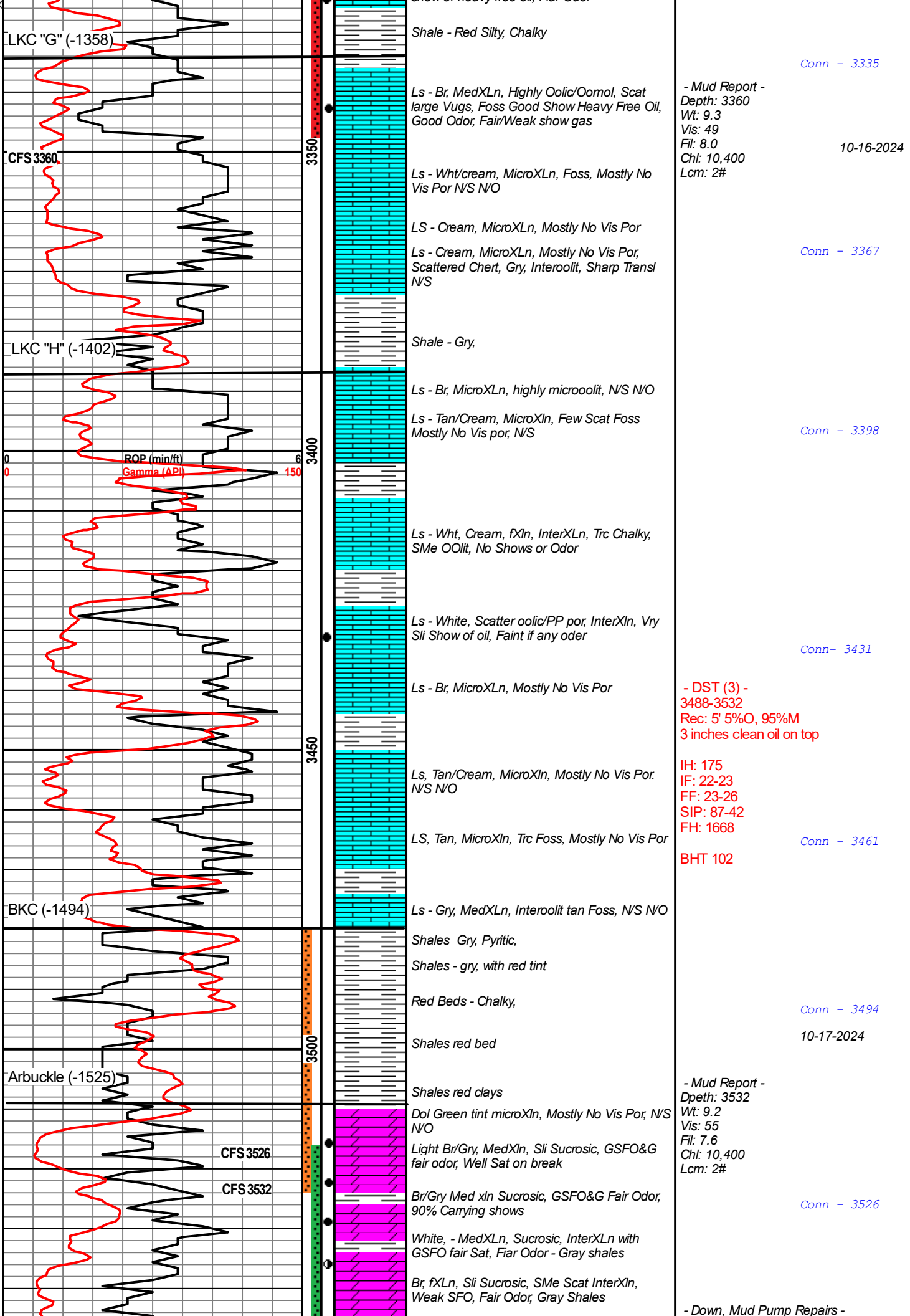
IH: 1596
IF: 42-42
FF: 43-44
SIP: 85-65
FH: 1563
BHT: 102

Conn - 3272

- Mud Report -
Depth: 3300
Wt: 9.0
Vis: 57
Fil: 6.8
Chl: 10,100
Lcm: 2#
10-15-2024

- DST (2) -
3300-3360
Rec: 20' Mud
Conn - 3303

IH: 1632
IF: 39-42
FF: 43-44
SIP: 139-65
FH: 1582
BHT: 100



LKC "G" (-1358)

Shale - Red Silty, Chalky

Conn - 3335

Ls - Br, MedXLn, Highly Oolic/Oomol, Scat large Vugs, Foss Good Show Heavy Free Oil, Good Odor, Fair/Weak show gas

- Mud Report -
Depth: 3360
Wt: 9.3
Vis: 49
Fil: 8.0
Chl: 10,400
Lcm: 2#

10-16-2024

CFS 3360

Ls - Wht/cream, MicroXLn, Foss, Mostly No Vis Por N/S N/O

LS - Cream, MicroXLn, Mostly No Vis Por

Conn - 3367

Ls - Cream, MicroXLn, Mostly No Vis Por, Scattered Chert, Gry, Interoolit, Sharp Transl N/S

LKC "H" (-1402)

Shale - Gry,

Ls - Br, MicroXLn, highly microoolit, N/S N/O

Ls - Tan/Cream, MicroXLn, Few Scat Foss Mostly No Vis por, N/S

Conn - 3398

ROP (min/ft)
Gamma (API)

Ls - Wht, Cream, fXln, InterXLn, Trc Chalky, SMe Oolit, No Shows or Odor

Ls - White, Scatter oolic/PP por, InterXLn, Vry Sli Show of oil, Faint if any oder

Conn - 3431

Ls - Br, MicroXLn, Mostly No Vis Por

- DST (3) -
3488-3532
Rec: 5' 5%O, 95%M
3 inches clean oil on top

Ls, Tan/Cream, MicroXLn, Mostly No Vis Por. N/S N/O

IH: 175
IF: 22-23
FF: 23-26
SIP: 87-42
FH: 1668

Conn - 3461

LS, Tan, MicroXLn, Trc Foss, Mostly No Vis Por

BHT 102

BKC (-1494)

Ls - Gry, MedXLn, Interoolit tan Foss, N/S N/O

Shales Gry, Pyritic,

Shales - gry, with red tint

Red Beds - Chalky,

Conn - 3494

Shales red bed

10-17-2024

Arbuckle (-1525)

Shales red clays

DoI Green tint microXLn, Mostly No Vis Por, N/S N/O

- Mud Report -
Dpeth: 3532
Wt: 9.2
Vis: 55
Fil: 7.6
Chl: 10,400
Lcm: 2#

CFS 3526

Light Br/Gry, MedXLn, Sli Sucrosic, GSFO&G fair odor, Well Sat on break

Conn - 3526

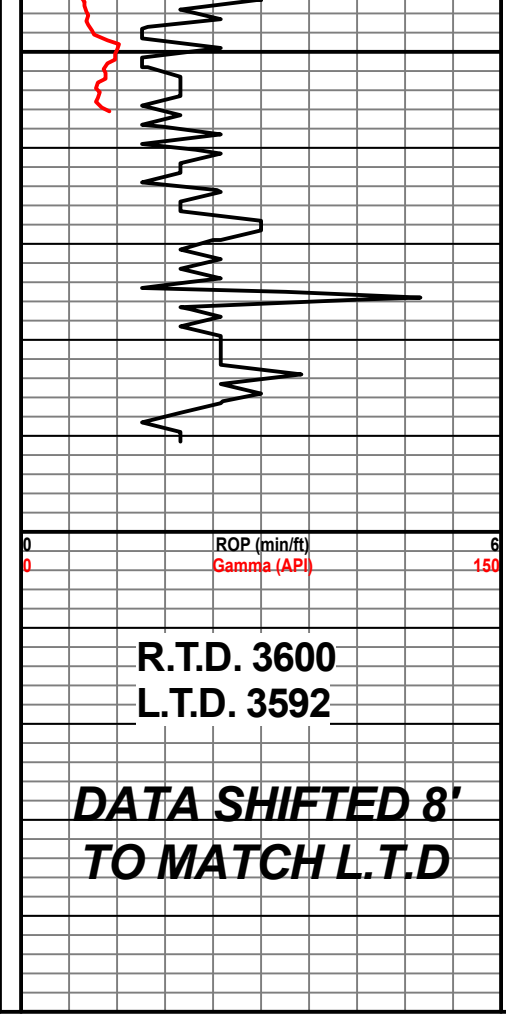
CFS 3532

Br/Gry Med xln Sucrosic, GSFO&G Fair Odor, 90% Carrying shows

White, - MedXLn, Sucrosic, InterXLn with GSFO fair Sat, Fair Odor - Gray shales

Br, fXLn, Sli Sucrosic, SMe Scat InterXLn, Weak SFO, Fair Odor, Gray Shales

- Down, Mud Pump Repairs -



3550
3600
50



White fXLn, Highly Oolitic GSFO
 Br; fXLn, Sme InterXLn, Few Scat Vugs, Trc
 OOlic, Fresh strn Sli SHow on break, Strong
 Odor
 Br; Few Pcs Barren Oolitic Por,
 White/Cream - MedXLn, Sucrosic, InterXLn,
 Scat Vugs, Trc Fresh Stain, Strng Odor, Mostly
 Barren Por

Conn - 3558
 - DST (4) -
 3518-3552
 Rec: 70' 10%O, 45%W, 45%M
 10' 100%O
 IH: 1839
 IF: 23-35
 FF: 44-69
 SIP: 1072-1055
 FH: 1640
 Conn - 3589

ROP (min/ft)
 Gamma (API)

R.T.D. 3600
 L.T.D. 3592

**DATA SHIFTED 8'
 TO MATCH L.T.D**

10-18-2024