

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 Recompletion Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date or Recompletion Date \_\_\_\_\_

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

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

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
---	---	------------------------------------

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





## DRILL STEM TEST REPORT

Prepared For: **Black Rock Resources, LLC**

PO Box 553  
Russell, Ks 67665

ATTN: Chad Counts

### **Polifka #13-2**

#### **13 13s 27w Gove,KS**

Start Date: 2023.10.20 @ 07:58:00

End Date: 2023.10.20 @ 15:00:45

Job Ticket #: 70091                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.10.24 @ 10:54:13



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Black Rock Resources, LLC

**13 13s 27w Gove, KS**

PO Box 553  
Russell, Ks 67665

**Polifka #13-2**

Job Ticket: 70091

**DST#: 1**

ATTN: Chad Counts

Test Start: 2023.10.20 @ 07:58:00

## GENERAL INFORMATION:

Formation: **LKC- I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:26:00

Time Test Ended: 15:00:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

**Interval: 3919.00 ft (KB) To 3949.00 ft (KB) (TVD)**

Reference Elevations: 2483.00 ft (KB)

Total Depth: 3949.00 ft (KB) (TVD)

2473.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 48.43 psig @ 3920.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.10.20 End Date: 2023.10.20

Last Calib.: 2023.10.20

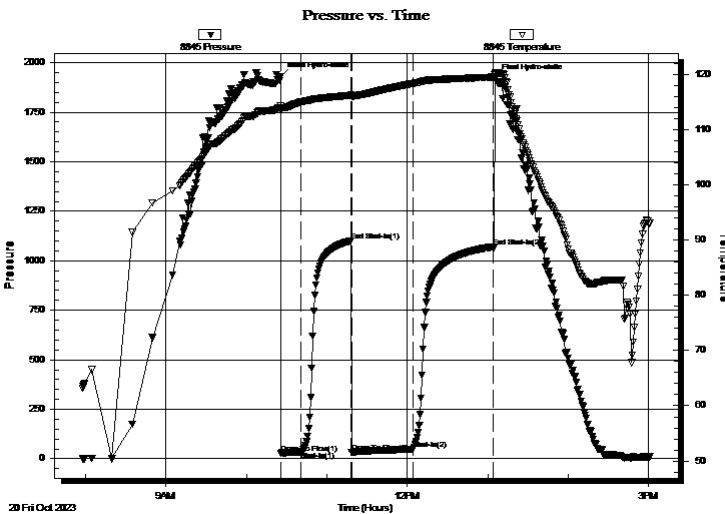
Start Time: 07:58:05 End Time: 15:00:44

Time On Btm: 2023.10.20 @ 10:25:45

Time Off Btm: 2023.10.20 @ 13:05:45

**TEST COMMENT:** IF: 4" blow .  
IS: No return.  
FF: 12" blow .  
FS: 1/4" return 15-40-45-60

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1929.66	114.31	Initial Hydro-static
1	27.61	113.38	Open To Flow (1)
16	35.99	114.97	Shut-In(1)
53	1100.95	116.20	End Shut-In(1)
53	32.21	115.90	Open To Flow (2)
99	48.43	118.31	Shut-In(2)
159	1071.22	119.48	End Shut-In(2)
160	1917.51	120.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	gocm 10g 30o 60m	0.91
0.00	120' GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Black Rock Resources, LLC

**13 13s 27w Gove,KS**

PO Box 553  
Russell, Ks 67665

**Polifka #13-2**

Job Ticket: 70091

**DST#: 1**

ATTN: Chad Counts

Test Start: 2023.10.20 @ 07:58:00

## Tool Information

Drill Pipe:	Length: 3908.00 ft	Diameter: 3.80 inches	Volume: 54.82 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 54.82 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3919.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	60.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3890.00	
Shut In Tool	5.00			3895.00	
Hydraulic tool	5.00			3900.00	
Jars	5.00			3905.00	
EM Tool	3.00			3908.00	
Safety Joint	2.00			3910.00	
Packer	5.00			3915.00	30.00 Bottom Of Top Packer
Packer	4.00			3919.00	
Stubb	1.00			3920.00	
Recorder	0.00	8319	Inside	3920.00	
Recorder	0.00	8845	Outside	3920.00	
Perforations	26.00			3946.00	
Bullnose	3.00			3949.00	30.00 Bottom Packers & Anchor

**Total Tool Length: 60.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Black Rock Resources, LLC

**13 13s 27w Gove,KS**

PO Box 553  
Russell, Ks 67665

**Polifka #13-2**

Job Ticket: 70091

**DST#: 1**

ATTN: Chad Counts

Test Start: 2023.10.20 @ 07:58:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
65.00	gocm 10g 30o 60m	0.912
0.00	120' GIP	0.000

Total Length: 65.00 ft      Total Volume: 0.912 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

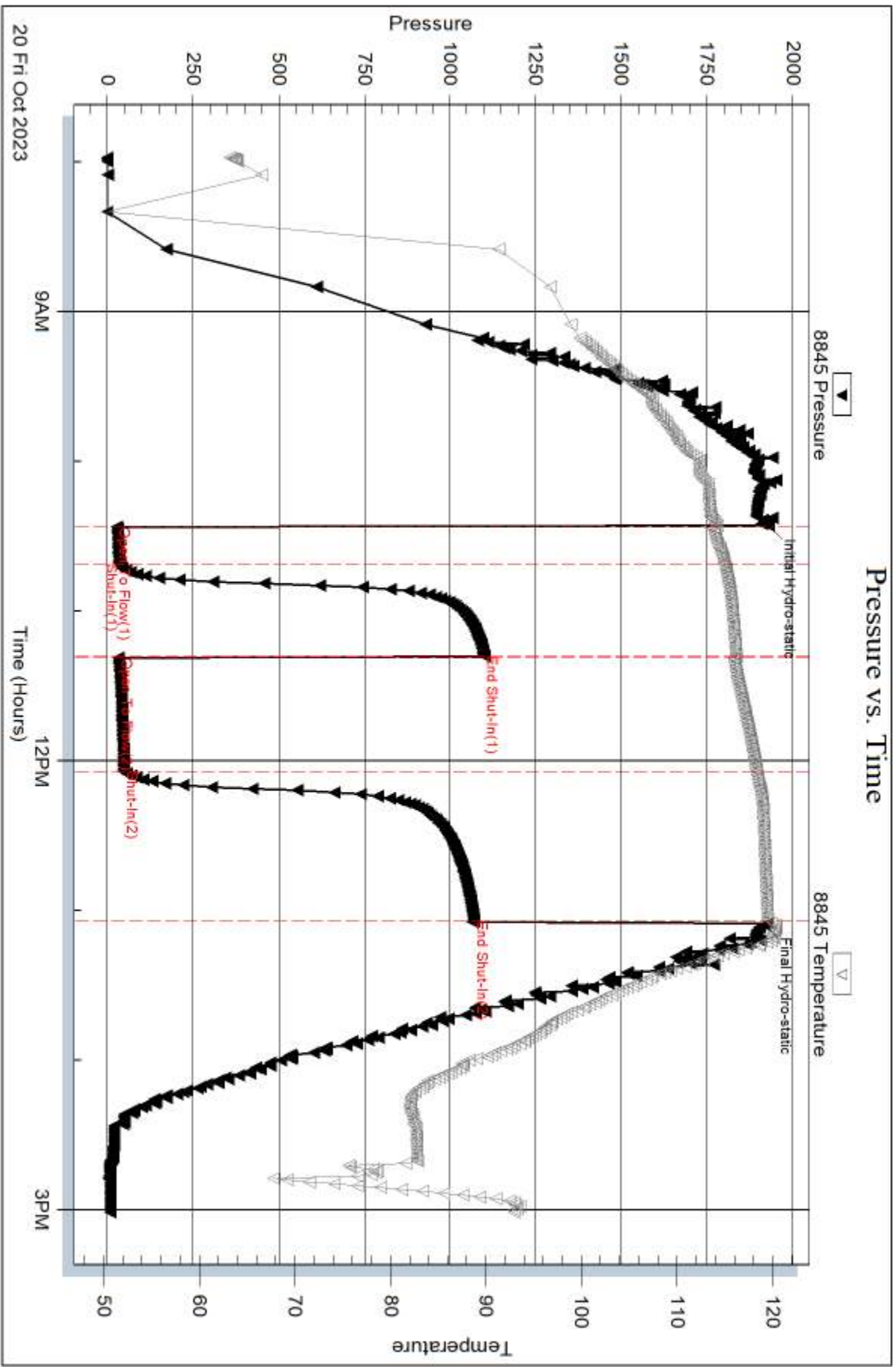
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





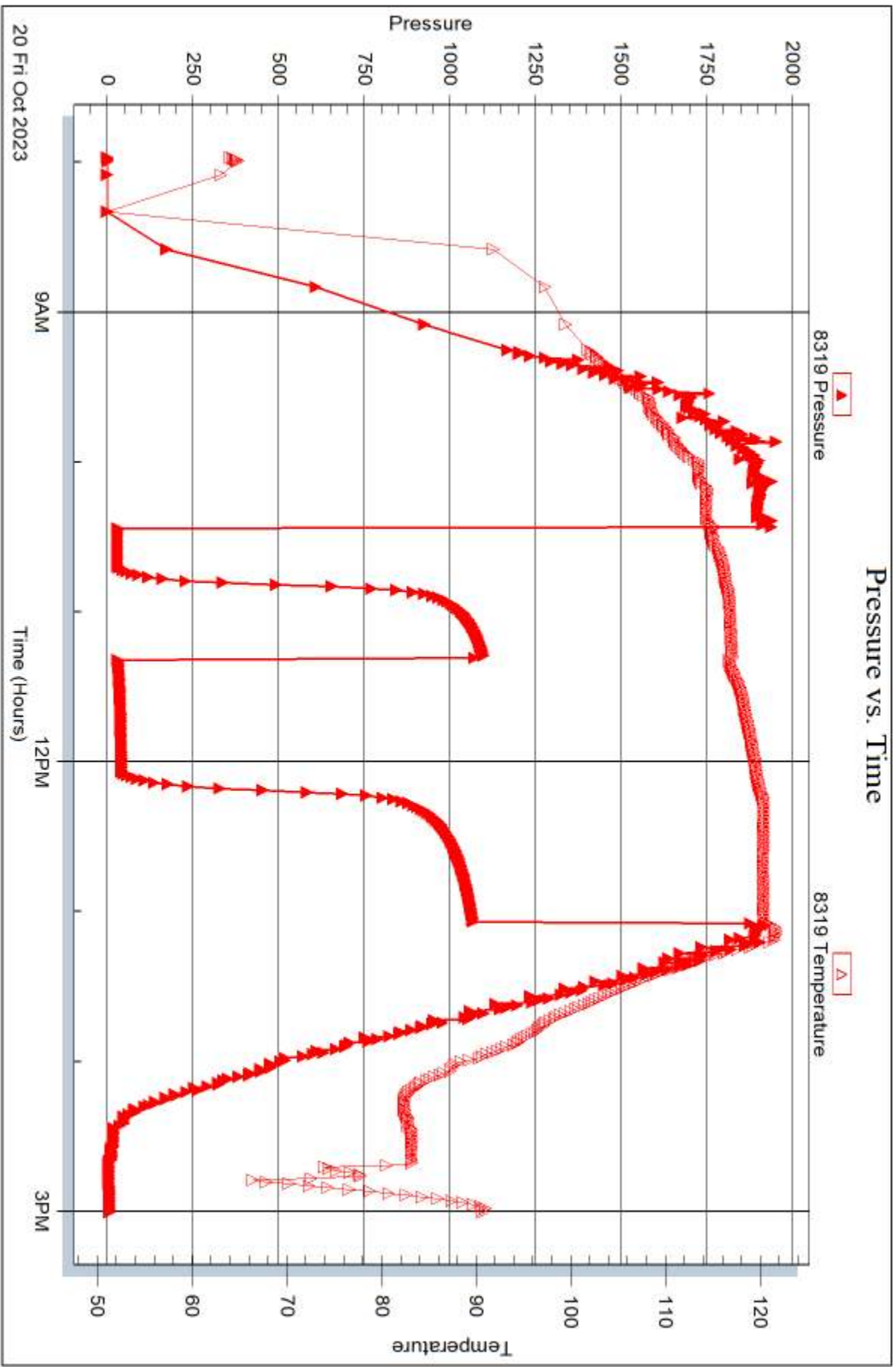
Serial #: 8319

Inside

Black Rock Resources, LLC

Poifika #13-2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 70091

Printed: 2023.10.24 @ 10:54:14



## DRILL STEM TEST REPORT

Prepared For: **Black Rock Resources, LLC**

PO Box 553  
Russell, Ks 67665

ATTN: Chad Counts

### **Polifka #13-2**

#### **13 13s 27w Gove,KS**

Start Date: 2023.10.20 @ 22:43:00

End Date: 2023.10.21 @ 06:30:45

Job Ticket #: 70092                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.10.24 @ 10:53:14



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Black Rock Resources, LLC

**13 13s 27w Gove, KS**

PO Box 553  
Russell, Ks 67665

**Polifka #13-2**

Job Ticket: 70092

**DST#: 2**

ATTN: Chad Counts

Test Start: 2023.10.20 @ 22:43:00

## GENERAL INFORMATION:

Formation: **LKC J-K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:36:00  
 Time Test Ended: 06:30:45  
 Interval: **3949.00 ft (KB) To 3996.00 ft (KB) (TVD)**  
 Total Depth: 3996.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 2483.00 ft (KB)  
 2473.00 ft (CF)  
 KB to GR/CF: 10.00 ft

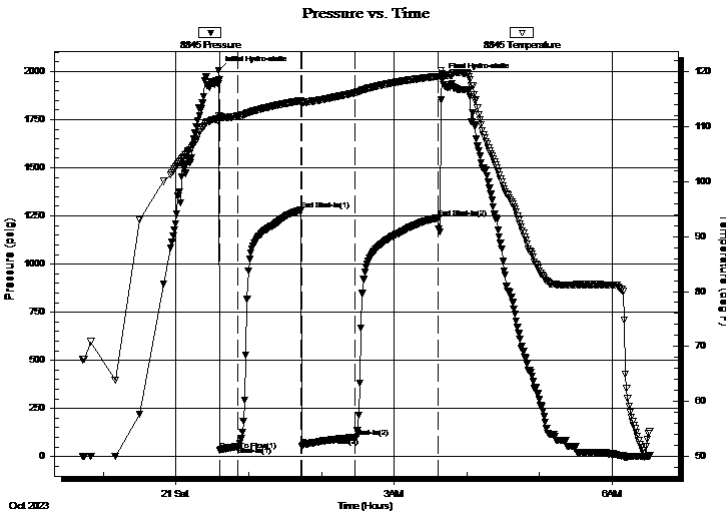
## Serial #: 8845

**Outside**

Press@RunDepth: 101.48 psig @ 3950.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2023.10.20 End Date: 2023.10.21 Last Calib.: 2023.10.21  
 Start Time: 22:43:05 End Time: 06:30:44 Time On Btm: 2023.10.21 @ 00:35:15  
 Time Off Btm: 2023.10.21 @ 03:39:30

TEST COMMENT: IF: BOB @ 7 min, built to 20"  
 IS: No return.  
 FF: BOB @ 3 min, built to 59"  
 FS: 1/4" return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.83	111.36	Initial Hydro-static
1	33.95	111.30	Open To Flow (1)
16	53.25	111.93	Shut-In(1)
68	1280.17	114.72	End Shut-In(1)
69	52.40	114.46	Open To Flow (2)
113	101.48	116.18	Shut-In(2)
182	1240.82	119.17	End Shut-In(2)
185	1968.68	119.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	gmco 40g 30m 30o	1.68
70.00	gmco 30g 25m 45o	0.98
0.00	1000' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Black Rock Resources, LLC

**13 13s 27w Gove,KS**

PO Box 553  
Russell, Ks 67665

**Polifka #13-2**

Job Ticket: 70092

**DST#: 2**

ATTN: Chad Counts

Test Start: 2023.10.20 @ 22:43:00

## Tool Information

Drill Pipe:	Length: 3940.00 ft	Diameter: 3.80 inches	Volume: 55.27 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 55.27 bbl</u>	Tool Chased	12.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3949.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.00 ft				
Tool Length:	77.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3920.00	
Shut In Tool	5.00			3925.00	
Hydraulic tool	5.00			3930.00	
Jars	5.00			3935.00	
EM Tool	3.00			3938.00	
Safety Joint	2.00			3940.00	
Packer	5.00			3945.00	30.00 Bottom Of Top Packer
Packer	4.00			3949.00	
Stubb	1.00			3950.00	
Recorder	0.00	8319	Inside	3950.00	
Recorder	0.00	8845	Outside	3950.00	
Perforations	10.00			3960.00	
Change Over Sub	1.00			3961.00	
Drill Pipe	31.00			3992.00	
Change Over Sub	1.00			3993.00	
Bullnose	3.00			3996.00	47.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>77.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Black Rock Resources, LLC

**13 13s 27w Gove,KS**

PO Box 553  
Russell, Ks 67665

**Polifka #13-2**

Job Ticket: 70092

**DST#: 2**

ATTN: Chad Counts

Test Start: 2023.10.20 @ 22:43:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gmco 40g 30m 30o	1.683
70.00	gmco 30g 25m 45o	0.982
0.00	1000' GIP	0.000

Total Length: 190.00 ft      Total Volume: 2.665 bbl

Num Fluid Samples: 0

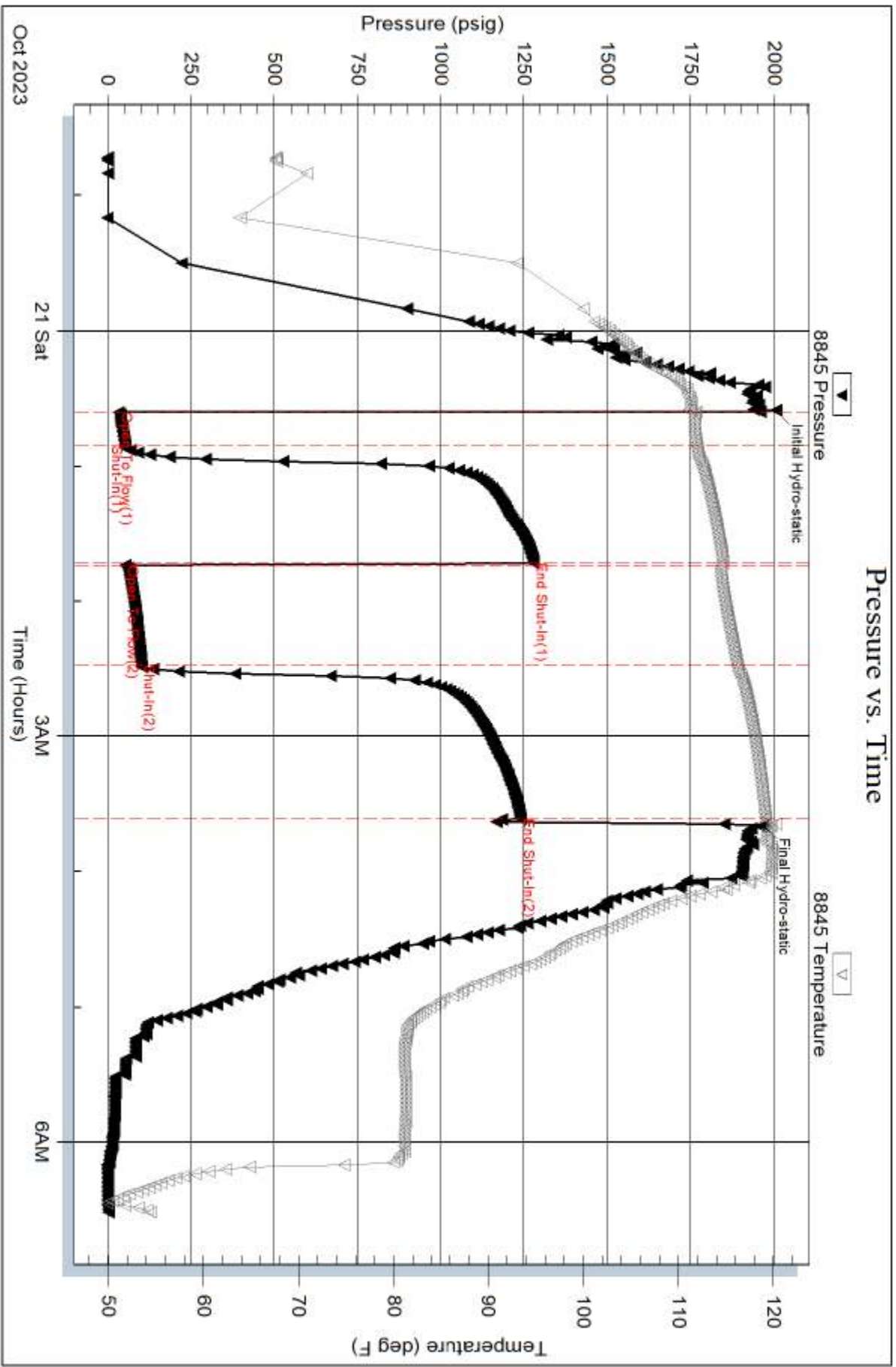
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





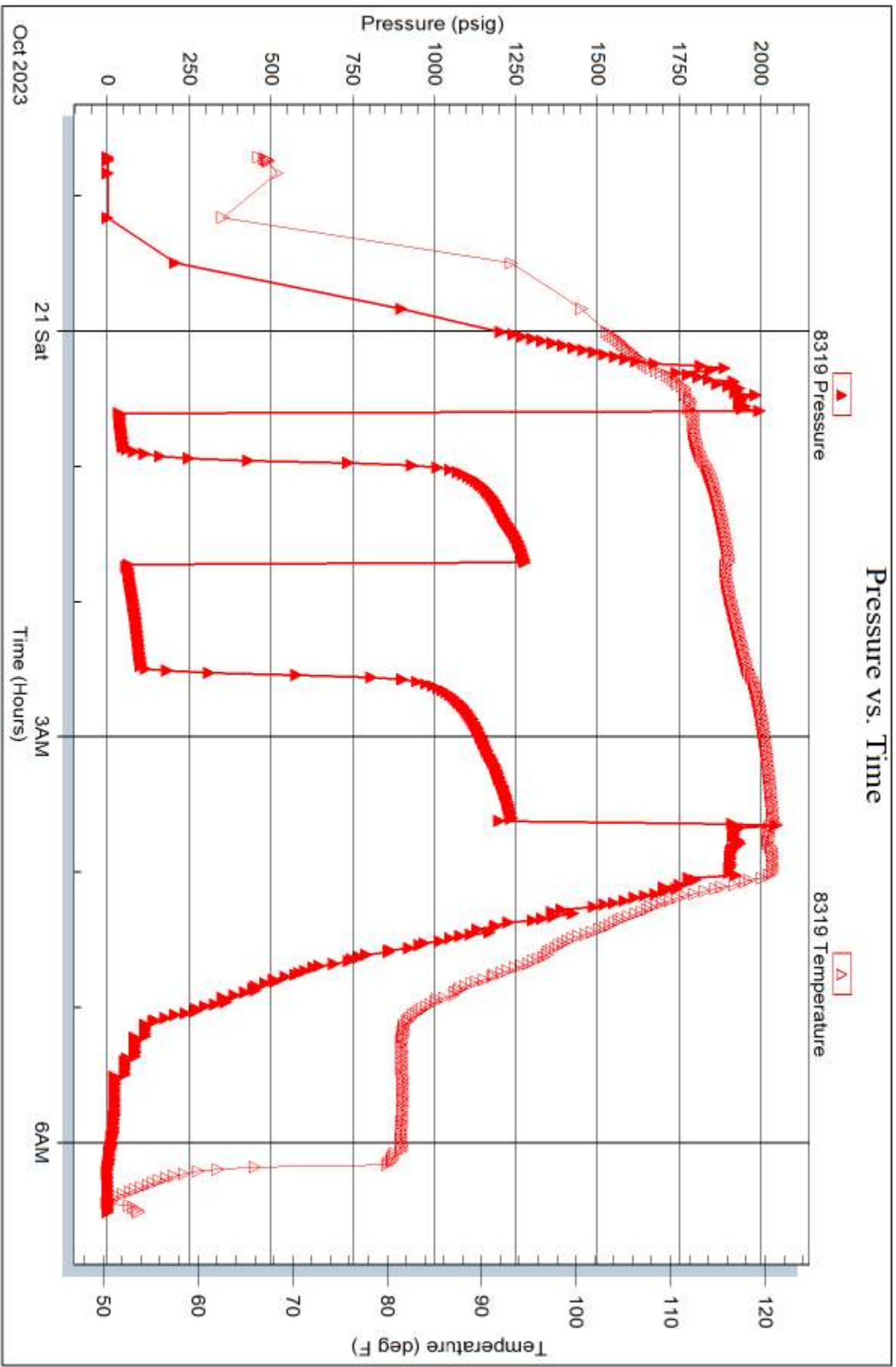
Serial #: 8319

Inside

Black Rock Resources, LLC

Poifika #3-2

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 70091

Well Name & No. Polifka 13-2 Test No. 1 Date 10/20/2023  
 Company Black Rock Resources, LLC Elevation 2483 KB 2473 GL  
 Address PO Box 553 Russell, Ks 67665  
 Co. Rep / Geo Chad Counts Rig Southwind 8  
 Location: Sec. 13 Twp 13s Rge. 27W Co. Osceola State Ks

Interval Tested 3919-3949 Zone Tested LKC I  
 Anchor Length 30' Drill Pipe Run 2908 Mud Wt. 9.1  
 Top Packer Depth 3914 Drill Collars Run — Vis 51  
 Bottom Packer Depth 3919 Wt. Pipe Run — WL 64  
 Total Depth 3949 Chlorides 2000 ppm System LCM 2#  
 Blow Description IF 4" blow  
ISI No return  
PF 12" blow  
FSI above 4" Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>60cm</u>	<u>10</u>	<u>30</u> <sup>light</sup>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>120' GTP</u>	%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	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm  
 Initial Hydrostatic 1429  Test 1800  Ruined Shale Packer  
 Initial Flow 27 to 35  Jars 300  Ruined Packer  
 Initial Shut-In 1100  Circ Sub  Hotel  
 Final Flow 32 to 48  Hourly Standby  EM Tool Successful yes  
 Final Shut-In 1071  Mileage 142 RT 126rt 220.50  Accessibility  
 Final Hydrostatic 1917  Sampler  Gas Sample  
 T- On Location 0700  Straddle  Sub Total 0  
 Initial Flow 15 T-Started 0758  Shale Packer  Total 2320.50  
 Initial Shut-In 40 T-Open 1026  Extra Packer  Tool Loaded @  
 Final Flow 45 T-Pulled 1305  Extra Recorder  MP/DST Disc't  
 Final Shut-In 60 T-Out 1500  Day Standby

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 70092

Well Name & No. Polifka 13-2 Test No. 2 Date 10/21/2023  
 Company Black Rock Resources Elevation 2483 KB 2473 GL  
 Address PO Box 553 Russell Ks 67665  
 Co. Rep / Geo Chad Counts Rig Southwind 8  
 Location: Sec. 13 Twp 13s Rge. 27W Co. Gove State Ks

Interval Tested 3944-3946 Zone Tested LCI J-K  
 Anchor Length 47' Drill Pipe Run 3940 Mud Wt. 9.1  
 Top Packer Depth 39 3944 Drill Collars Run - Vis 51  
 Bottom Packer Depth 3949 Wt. Pipe Run - WL 6.4  
 Total Depth 3996 Chlorides 2000 ppm System LCM 2<sup>nd</sup>  
 Blow Description IF Bob@ 7 min. - 20"  
ISI No return.  
FF Bob@ 3 min. - 59"  
KSI 1/4" return.

Rec	Feet of	%gas	%oil	%water	%mud
<del>2005</del>					
<u>70</u>	<u>GMCO</u>	<u>30</u>	<u>45</u>	<u>25</u>	<u>30</u>
<u>120</u>	<u>GMCO</u>	<u>40</u>	<u>30</u>	<u>30</u>	<u>30</u>
	<u>1000' GTP</u>				

Rec Total 190 BHT 120 Gravity - API RW - @ - \*F Chlorides - ppm  
 Initial Hydrostatic 2005  Test 1800  Ruined Shale Packer  
 Initial Flow 3.3 to 5.3  Jars 300  Ruined Packer  
 Initial Shut-In 1280  Circ Sub  Hotel  
 Final Flow 5.2 to 10.1  Hourly Standby  EM Tool Successful yes  
 Final Shut-In 1240  Mileage 142 RT x2  Accessibility  
 Final Hydrostatic 1968  Sampler 220.50 + 220.50  Gas Sample  
 T- On Location 2145  Straddle  Sub Total 0  
 Initial Flow 15 T-Started 2243  Shale Packer  Total 2541  
 Initial Shut-In 50 T-Open 0037  Extra Packer  Tool Loaded 10/21 @ 2200  
 Final Flow 4.5 T-Pulled 0335  Extra Recorder  MP/DST Disc't  
 Final Shut-In 65 T-Out 0630  Day Standby

Comments \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

# BLACK ROCK

— R E S O U R C E S , L L C —

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

Well Name: Polifka 13-2  
API: 15-063-22436  
Location: 2561' FNL & 1582' FWL  
License Number: 35310  
Spud Date: 10/17/23  
Surface Coordinates: 38.922905; -100.273734  
Region: Gove Co.  
Drilling Completed: 10/21/23

Bottom Hole same as surface  
Coordinates:  
Ground Elevation (ft): 2473' K.B. Elevation (ft): 2483'  
Logged Interval (ft): 3500 To: 4440 Total Depth (ft): 4440'  
Formation: Mississippian  
Type of Drilling Fluid: Chemical based mud

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

## OPERATOR

Company: Black Rock Resources, LLC  
Address: PO Box 553  
Russell, Ks 67665

## GEOLOGIST

Name: Chad Counts  
Company: MG Oil Inc.  
Address: P.O. Box 162  
Russell, Ks 67665

## Comments

Polifka 13-2 was drilled with Southwind Rig #8 rotary tools commencing 10-17-23, and total depth was reached 10-21-23.

The well ran structurally lower compared to the other Polifka wells as expected from seismic prognosis. Owing to reservoir development, oil shows in the Kansas City, and the positive results of DST #1 and DST #2; it was elected by the operator to further test the well through 5 1/2" casing.

Respectfully submitted,

Chad Counts

<b>GENERAL INFORMATION:</b>																																									
Formation: <b>LKC- 1</b>	Deviated: <b>No</b> Whipstock: <b>ft (KB)</b>	Test Type: <b>Conventional Bottom Hole (Initial)</b>																																							
Time Tool Opened: <b>10:26:00</b>	Time Test Ended: <b>15:00:45</b>	Tester: <b>Bradley Walter</b>	Unit No: <b>78</b>																																						
Interval: <b>3919.00 ft (KB) To 3949.00 ft (KB) (TVD)</b>	Total Depth: <b>3949.00 ft (KB) (TVD)</b>	Reference Elevations: <b>2483.00 ft (KB)</b>	<b>2473.00 ft (CF)</b>																																						
Hole Diameter: <b>7.88 inches</b> Hole Condition: <b>Good</b>		KB to GR/CF: <b>10.00 ft</b>																																							
<b>Serial #: 8845 Outside</b>																																									
Press@RunDepth: <b>48.43 psig @ 3920.00 ft (KB)</b>	Capacity: <b>8000.00 psig</b>	Last Calb.: <b>2023.10.20</b>	2023.10.20																																						
Start Date: <b>2023.10.20</b>	End Date: <b>2023.10.20</b>	Time On Btm: <b>2023.10.20 @ 10:25:45</b>	Time Off Btm: <b>2023.10.20 @ 13:05:45</b>																																						
Start Time: <b>07:58:05</b>	End Time: <b>15:00:44</b>																																								
<b>TEST COMMENT:</b> IF: 4" blow. IS: No return. FF: 12" blow. FS: 1/4" return 15-40-45-60																																									
<p style="font-size: small; text-align: center;">Pressure vs. Time</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">PRESSURE SUMMARY</th> </tr> <tr> <th style="width: 10%;">Time (Min.)</th> <th style="width: 15%;">Pressure (psig)</th> <th style="width: 10%;">Temp (deg F)</th> <th style="width: 65%;">Annotation</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1929.66</td> <td>114.31</td> <td>Initial Hydro-static</td> </tr> <tr> <td>1</td> <td>27.61</td> <td>113.38</td> <td>Open To Flow (1)</td> </tr> <tr> <td>16</td> <td>35.99</td> <td>114.97</td> <td>Shut-in(1)</td> </tr> <tr> <td>53</td> <td>1100.95</td> <td>116.20</td> <td>End Shut-in(1)</td> </tr> <tr> <td>53</td> <td>32.21</td> <td>115.90</td> <td>Open To Flow (2)</td> </tr> <tr> <td>99</td> <td>48.43</td> <td>118.31</td> <td>Shut-in(2)</td> </tr> <tr> <td>159</td> <td>1071.22</td> <td>119.48</td> <td>End Shut-in(2)</td> </tr> <tr> <td>160</td> <td>1917.51</td> <td>120.26</td> <td>Final Hydro-static</td> </tr> </tbody> </table>	PRESSURE SUMMARY				Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	0	1929.66	114.31	Initial Hydro-static	1	27.61	113.38	Open To Flow (1)	16	35.99	114.97	Shut-in(1)	53	1100.95	116.20	End Shut-in(1)	53	32.21	115.90	Open To Flow (2)	99	48.43	118.31	Shut-in(2)	159	1071.22	119.48	End Shut-in(2)	160	1917.51	120.26	Final Hydro-static
PRESSURE SUMMARY																																									
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation																																						
0	1929.66	114.31	Initial Hydro-static																																						
1	27.61	113.38	Open To Flow (1)																																						
16	35.99	114.97	Shut-in(1)																																						
53	1100.95	116.20	End Shut-in(1)																																						
53	32.21	115.90	Open To Flow (2)																																						
99	48.43	118.31	Shut-in(2)																																						
159	1071.22	119.48	End Shut-in(2)																																						
160	1917.51	120.26	Final Hydro-static																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Recovery</th> </tr> <tr> <th style="width: 20%;">Length (ft)</th> <th style="width: 50%;">Description</th> <th style="width: 30%;">Volume (bbl)</th> </tr> </thead> <tbody> <tr> <td>65.00</td> <td>gocm 10g 30o 60m</td> <td>0.91</td> </tr> <tr> <td>0.00</td> <td>120' GP</td> <td>0.00</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Recovery			Length (ft)	Description	Volume (bbl)	65.00	gocm 10g 30o 60m	0.91	0.00	120' GP	0.00										<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Gas Rates</th> </tr> <tr> <th style="width: 30%;">Choke (inches)</th> <th style="width: 30%;">Pressure (psig)</th> <th style="width: 40%;">Gas Rate (Mcf/d)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Gas Rates			Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)													
Recovery																																									
Length (ft)	Description	Volume (bbl)																																							
65.00	gocm 10g 30o 60m	0.91																																							
0.00	120' GP	0.00																																							
Gas Rates																																									
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)																																							

**GENERAL INFORMATION:**

Formation: **LKC J-K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:36:00  
 Time Test Ended: 06:30:45

Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 78

Interval: **3949.00 ft (KB) To 3996.00 ft (KB) (TVD)**  
 Total Depth: 3996.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches-hole Condition: Good

Reference Elevations: 2483.00 ft (KB)  
 2473.00 ft (CF)  
 KB to GR/CF: 10.00 ft

---

**Serial #: 8845 Outside**

Press@RunDepth: 101.48 psig @ 3950.00 ft (KB)  
 Start Date: 2023.10.20 End Date: 2023.10.21  
 Start Time: 22:43:05 End Time: 06:30:44

Capacity: 8000.00 psig  
 Last Calib.: 2023.10.21  
 Time On Btm: 2023.10.21 @ 00:35:15  
 Time Off Btm: 2023.10.21 @ 03:39:30

**TEST COMMENT:** IF: BOB @ 7 min, built to 20"  
 IST: No return.  
 FF: BOB @ 3 min, built to 59"  
 FSt: 1/4" return.

---

**Pressure vs. Time**

**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2005.83	111.36	Initial Hydro-static
1	33.95	111.30	Open To Flow (1)
16	53.25	111.93	Shut-In(1)
68	1290.17	114.72	End Shut-In(1)
69	52.40	114.46	Open To Flow (2)
113	101.48	116.18	Shut-In(2)
182	1240.82	119.17	End Shut-In(2)
185	1968.68	119.70	Final Hydro-static

---

**Recovery**

Length (ft)	Description	Volume (bbl)
120.00	gmco 40g 30m 30c	1.68
70.00	gmco 30g 25m 45c	0.98
0.00	1000' GIP	0.00

\* Recovery from multiple tests

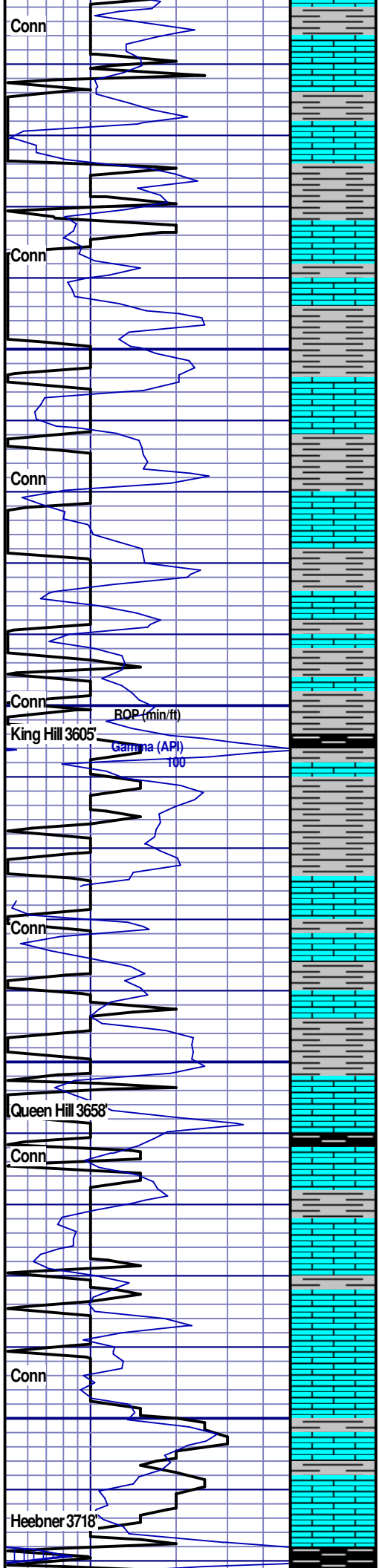
**Gas Rates**

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

**ROCK TYPES**

	Anhy		Coal		Igne		Mrlst		Shgy
	Bent		Oolitic limestone		Dark grey shale		Salt		Sltst
	Brec		Congl		Black shale		New symbol		Ss
	Cht		Dol		Lmst		Shale		Till
	Clyst		Gyp		Meta		Shcol		

Curve Track 1 ROP (min/ft) Gamma (API)	Lithology	Oil Shows	MD	DST	Straddle DST	Porosity Type	Image	Geological Descriptions	Remarks
			600					<p>90% sh: lt-med gry, subplaty-blocky, non silty, firm-hard, mod-hvy calc, sl carb, occ. fissile. 10% Ls: lt grey, v arg, mod hard, trc fos frag, no vis por, NSOC.</p> <p>50% Ls: cream-off white, lt grey, micro xln, mod marl, damp with organic matter, NSOC 50%</p>	



3550

3600 MD

3650

3700

dense-mod brittle, occ scat foss frag, mod arg, NSOC. 50% med grey sh: sub platy-platy, mod firm, cal, sl carb.

50% Ls: cream, beige, lt grey (shly), micro xln-fn xln, dense, occ granular tex, mst litho, sl-mod marl, occ. hvy arg, trc scat fos frag, NSOC. 50% Sh: lt-med gry, sub platy, mod-v hard, calc.

75% sh: med grey, mod hard, firm, calc, occ sl silty, v sl carb. 25% Ls: cream, beige, lt grey, desne, micro xln-fn xln, mod hvy arg (occ laminated w/sh), trc fos, NSOC.

75% Ls: beige, buff, lt grey, dense, micron-fn xln, occ sucrosic, w/ marl, no vis por, trc scat fos frag, occ mottled w/org mat, NSOC. 25% Sh: lt-med grey, calc firm, sub platy.

Ls: cream, beige, fn xln, p vis inxl por, sl sucrosic, few granular tex, most litho, trc fossil frag, NSOC. 5% Dk grey-Black shale, firm platy, mod carb. 20% Sh: grey, subplaty, mod firm.

80% Ls: beige, lt grey, fn xln, granular tex, brittle-mod hard, no vis inxl por, abdnt org mat, NSOC. 15% Grey sh, fim, subplaty, sl carb. 5% Black shale, firm subplaty.

Ls: cream, lt grey, fn xln, 10% oolitic, beige, 150-250 microns, mod std, fair intraclast por, occ org mat, sl. marl, NSOC. 10% ss: lt grey, fn grained, p-mod cons, w std, mod arg, no vis por. NSOC. 10% Sh: med grey, subplaty, mod firm, sl-hvy calc.

LS: lt grey, beige, micro xln, dense, sl-mod arg, dense. <10% oolitic & fossil grainstone, 250-350 micron ooids, good vuggy intrgl por, w std, svrl fusulinids, NSOC.

Ls: lt grey, micro-fn xln, litho and gran tex, sl arg, occ scat foss clasts, mod hard, no vis por, NSOC. <5% DK grey sh: subplaty, sl carb.

Ls: cream, lt grey, micro xln-fn xln, dense, occ granular tex, scat fos frag, sl marl, NSOC. 5% Sh: A.A

Ls: grey, cream, fn xln, mod arg, litho & granular tex, , p inxl por, svrl w/ mottled org mat, scat fos clast, fusulinids, NSOC.

Ls: grey-brown, cream, micro-fn xln, granular tex, brittle & dense, abdnt mttld org mat, p vis por, NSOC. 10% sh: grey, non platy, mod firm, sl calc.

Flood blk shale: very firm, hrd, platy, v carb. Ls: lt grey-beige, cream micro xln litho & earthy tex dense occ mottled org

10/19/23-9:00am:  
Geologist on location @  
3415'. Displacing mud into  
system.

WOB 7K  
RPM 100  
Pump 800psi

MW 8.8  
Vis 54  
2# LCM

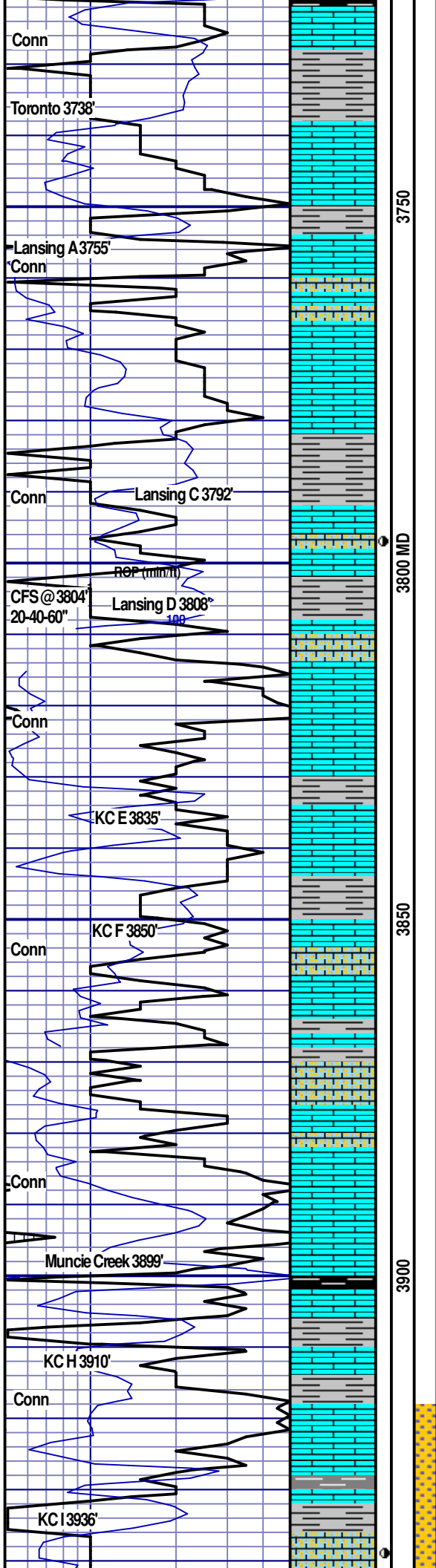
MW 8.8  
Vis 54  
2# LCM

WOB 10K  
SPM 62  
RPM 90  
800 psi

MW 8.8  
Vis 50  
2# LCM

Slow RPM from 100-80.  
Decrease WOB.

MW 8.9  
Vis 48  
2# LCM



cream, micro xln, litho & calc. tex, dense, occ mottled org mat, no vis por, NSOC.

50% Sh: lt-med grey, soft-mod firm, non platy-occ ply, sl calc, sl silty. 50% Ls: cream, off white, lt grey, micro xln, dense, litho tex, hrd, sl-mod marl, occ fos frag, NSOC.

Ls: cream-beige, golden, fn xln-micro xln, dense, mst litho tex, occ oolitic (5%), 250-350 microns, fair even sec por, NSFOC.

Sh: lt grey, soft, mushy, hvy grey wash.  
Ls: cream, off white, lt grey, v dense, occ. scat pp vug, occ granular tex, most litho, sl-mod marl, sl cherty, NSOC.

Oolitic ls: cream, off white, fn grain, 250-350 microns, even-scat pp vuggy por, fair int granular por, mod marl, NSOC.

Ls: cream-off white, micro xln, dense & brittle, occ oolitic, gran tex, very hvy marl, white wash, svrl marl clumps in tray, NSOC.

Sh: light grey, subplaty, soft, mush, non calc.  
Lansing C Porosity: off white, cream, micro xln-fn xln, sub oolitic, one peloidal, occ 350-500 micron ooids, poor scat uneven vuggy sec por, scattered gils strn, few cutting w/ hvy show blk oil, VSSFO, no odor.

Sh: brown, red brwn, sub platy-blocky, soft, non silty.

Lansing D Porosity: 10% oolitic ls, 250-350 microns, w std, w cemented, fair-good intr-granular sec por, even vuggy distribution, non arg, hvy marl in try, NSOC.

Ls: cream, off white, micro xln, dense, litho tex, no vis por, non arg, NSOC.

Ls: cream, lt grey, micro xln, occ oolitic, v poor-no vis sec por, dense, sl marl, NSOC. 20% sh: grey green, platy-subplaty, non silty.

Ls: cream, beige, micro xln, v dense, no vis por, litho tex, abndnt burnt orange chert (semi trans), NSOC. 10% Sh: gry-green, turq. subplaty-platy, non calc, mod firm

Ls: cream-off white, beige, micro xln, dense, lith tex, occ oolitic, mod brittle, fair castic por, hvy marl, white wash, NSOC.

Ls: cream-off white, fn xln, occ oolitic, brittle, fair castic por, most dense, litho tex, very hvy marl in tray, white wash, NSOC.

Ls: cream, off white, micro xln-fn xln, poor scat vuggy por, most dense, occ brittle, very hvy marl in tray, NSOC.

Ls: cream, off white, micro xln-vf xln, no vis por, mod-hvy marl, dense, litho tex, NSOC.

Ls: cream, off-white, micro xln, dense-occ brittle, mod-hvy marl, no vis por, NSOC.

Flood Blk Sh: firm platy, very carb. Ls: grey-brown, beige, micro xln, dense, v hard, occ mottled, few fos gs, 500 micron clasts, no sec por, earthy tex NSOC.

Ls: cream, off white, beige, micro xln, dense, occ brittle (fn xln w/hvy marl matrix), trc scat fos, sl cherty, NSOC. Sh: med grey-grey-blue, sub platy, smooth.

Sh: med grey, sub platy, soft smooth

KC I porosity: Oolitic grainstone, off white, 350-500 micron ooids, mod-well std, poor-fair castic sec por, occ scat pp vuags, svrl cuttings w/marl filled por. brittle. <5% cutting

2# LCM

MW 9.0  
Vis 54  
2# LCM

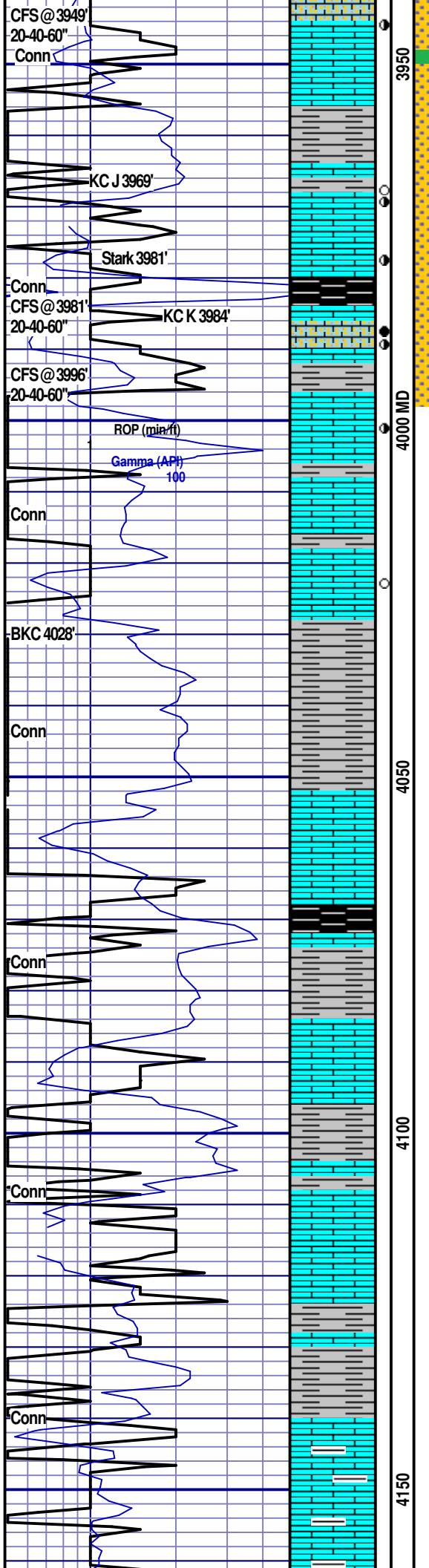
MW 9.0  
Vis 55  
1# LCM

MW 9.1  
Vis 53  
2# LCM

DST #1  
KC I  
3919'-3949'  
15-40-45-60  
IFP 27-35psi  
ISIP 1100psi  
FFP 32-48psi  
FSIP 1071psi  
Recovered:  
120' GIP  
65' GOCM (30%O, 10%G)

MW 9.1  
Vis 52





SSFO upon crush, yellow string cut, very faint odor, <5% light brown dry stain.

Sh: grey-green, blue green, sub platy, soft, mod firm, smooth, non calc.

KC J Por 20": <5%, beige, off white, fn xln, v poor inxl por, mod marl in por, r scat pp vug, vssfo upon crush, patchy stain and lt sat, very faint odor.

KC J 40": <5% sample w/shw, off wht-bge, vf xln, scat uneven pp vugs, mod-hvy marl in por, few brittle w/ssfo on crush, scat-uneven stn and sat, VSSFO, ft-fr gassy od.

Blk sh: mod firm, platy, smooth, non clac, mod-hvy carb.

KC K por: Oolitic ls, beige, lt golden brown dry stain, 250-350 micron ooids, w std, fair even-scat vuggy-ingl sec por, FSFO, even stain, occ hvy dead blk stain, ssfo in cup, weak-fair odor.

Lower K porosity: oolitic gs, 250-350 microns, vw cem, v hd, dns, p sec por, occ r scat pp vug, scat dead gils stn, occ sso in r scat vugs, faint od.

75% Shly ls: lt grey-grey, hard, calc, no vis por, litho tex, very arg, NSOC. 20% Sh: grey, subplaty, firm, calc. 5% Show a/a

80% Ls: lt-med grey, fn-micro xln, mod hard, litho tex, no vis por, v argillaceous, NSOC. 20% Sh: med grey, subplaty-platy, firm, calc.

75% Ls: lt grey-grey, micro-fn xln, v arg, dense, no vis por, 10% Ls: cream, grainstone, 250-500 micron fossil clast, v poor sec por, 1 cutting w/ dead stain, questionable odor.

75% Sh: med gry, sub platy-block, non silty, sl-mod calc. 25% Ls: lt grey-crm, micro xln, rare scat fossil frag (crinoids), no vis por, NSOC.

80% Ls: most lt grey-grey, dense, v hard, arg, no vis por. occ cream, micro xln, litho tex, occ scat fos, sl marl, r scat pp isolated vug. 20% Shale.

90% sh: gey-dk grey, light grey, soft, sub platy, blocky, non silty, occ. sl carb. 10% Ls: cream, lt grey, mod arg, dense, no vis por.

50% Ls: cream, off white, beige, micro xln, litho tex, v dense, occ. hvy marl, occ mottled red sh, no vis por, NSOC. 50% Sh: gry, subplaty, mod firm-soft, mod calc.

60% Ls: cream, off white, micro xln, occ mottled w red sh, mod marl, NSOC. Sh: brick red, maroon, lt grey, non silty, sub platy-non pty.

90% Ls: cream, beige, micro xln, dense, litho tex, sl cherty (beige, semi translucent), mod marl, NSOC. 10% Sh: lt grey, soft smooth, mushy.

80% Ls: cream, off white, lt grey, occ hvy arg, most non arg, dense, mod-hvy marl, trc orange chert (opaque), no vis por, NSOC. 20% Med grey sh: firm, platy, non silty, sl-mod calc.

50% Sh: lt grey, red, maroon, soft, smooth, sl red wash. 50% Ls: A/A

Ls: cream, lt grey, fn xln, mod hard, dense, litho tex, trc oolitic grainstone, 250-350 microns, v p std, mod marl, no vis sec por, NSOC.

Ls: grey, beige, v shaly, arg, litho tex, no vis por, dense, NSOC.

2# LCM

DST# 2

KC J-K

3949'-3996'

IFP 33-53psi

ISIP 1280psi

FFP 52-101psi

FSIP 1240psi

Rec

70' GMCO (45%O,30%G)

120' GMCO (40%G,30%O)

1000' GIP

WOB 15K

SPM 62

RPM 110

MW 9.2

Vis 59

2# LCM

Slow down rpm from 110 to

90. WOB 15K to 5K.

MW 9.2

Vis 58

2# LCM

MW 9.2

Vis 54

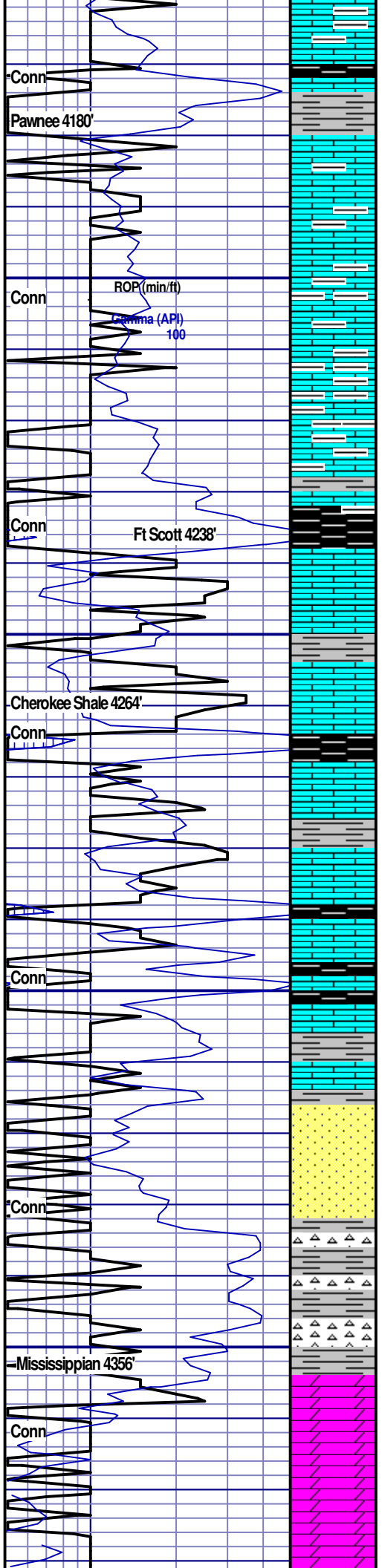
2# LCM

WOB 5K

RPM 90

SPM 62

800psi



4200 MD

4250

4300

4350

Ls: cream-grey,, v shaly, micro xln, dense, no vis por, NSOC.  
30% Dk grey-grey brown sh: firm, platy, calc, mod carb. 10%  
Blk sh: firm, platy, mod carb.

Ls: lt grey, cream, micro xln, v hard, sharp frac, litho tex, trc r  
scat fos frag, no vis por, mod-hvy arg, NSOC.

MW 9.4  
Vis 57  
2# LCM

Ls: lt grey-grey, shly, hvy arg, dense, micro xln, no vis por,  
NSOC.

Shly Ls/Calc Sh: platy, hard, very arg, no vis por, dense,  
NSOC.

Shly Ls: med grey, micro-fn xln, dense, litho tex, platy,  
blocky, v hard, no vis por, NSOC.

75% v dk grey sh: mod firm-soft, non calc, platy-sub platy,  
dk grey wash, sweet gassy odor. 25% Shly Ls: A/A

MW9.4+  
VIS 58  
2# LCM

90% Black sh: firm-mod firm, occ fissile, non calc, very carb,  
platy. 10% Ls: cream-beige, micro xln, dense, no vis por, v  
hard, NSOC.

Ls: beige, grey-brown, micro xln, dense, v hard, litho tex, r  
scat isolated vug, trc fos frag, mod arg, NSOC.

Ls: grey, beige, micro xln, mod-hvy arg, dense, litho tex,  
occ ps w/sact fos frag, no sec por, NSOC.

20% Black sh: firm platy, carb, few w/500 micro rip up clasts.  
80% Ls: cream, beige, occ laminated w/sh, scat fos frag, no  
vis sec por, dense, NSOC.

75% Ls: cream, off white, micro xln, dense, mod marl in mtrx,  
no vis pr, trc fos frag, NSOC. 25% Sh: med-lt grey, soft, occ  
firm, sl calc.

MW 9.3  
VIS 49  
2# LCM

90% Ls: cream, occ lt grey, micro xln, dense, sl marl, occ  
scat fos frag, v dens, sl arg, no vis por, NSOC. 10% Blk sh:  
firm platy, carb.

Run in premix,

50% Ls: a/a 50% Sh: lt gry, gry green, soft, smooth, platy,  
non silty.

Ls: cream, lt grey, off white, micro xln, mod brittle, increase  
marl, no vis por, NSOC. Sh: green-grey, grey, maroon, teal,  
sub platy-platy, non silty.

75% ss: Off white, white, vfg, 100-150 microns, well std,  
poor-mod cons, friable, clay mtrx, poor vis ingl por, NSOC.  
25% Sh: A.A

SS: off white, white, vfg, well std 100-150 microns, poor ingl  
por, friable, p-mod cons, NSOC. 5% Chert: mustard,  
opaque-semi translucent.

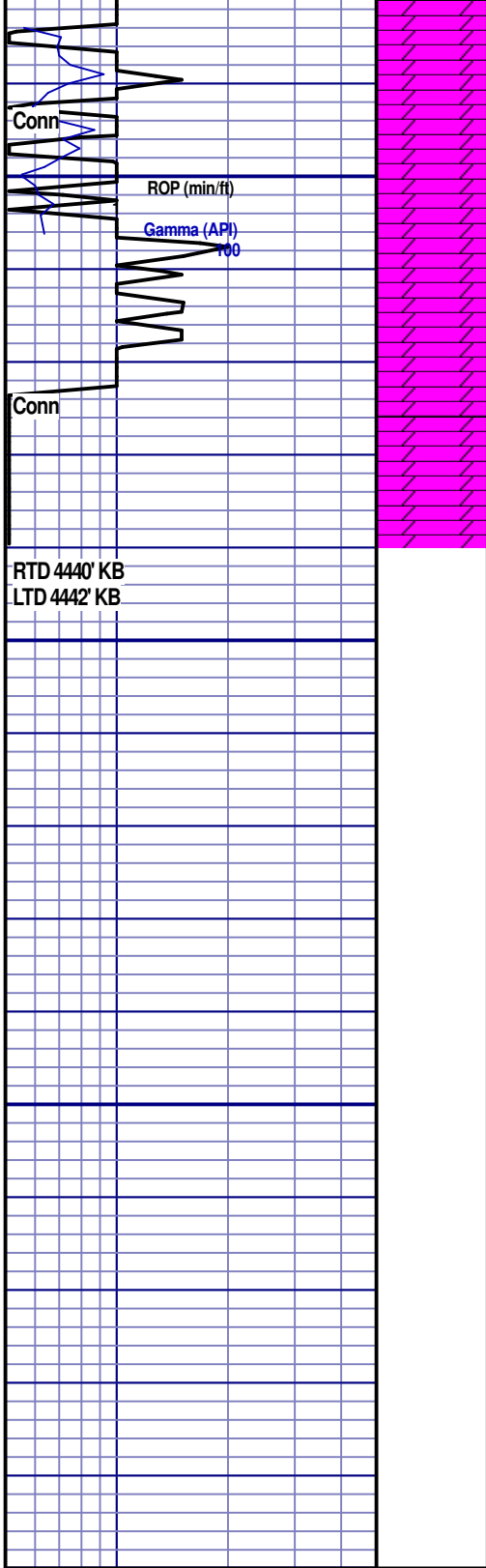
4370'-20% ss a.a 25% mustard yellow chert. 55% Sh: grey,  
green, maroon, smooth, platy, waxy.

10% ss: a/a. 30% Mustard-yellow chert and sh. 60% sh:  
grey, maroon, brown, red (sandy),.

Limestone: cream, lt grey, micro xln, occ fn xln, v sl  
sucrosic, no vis por, NSOC.

Dolomite: lt grey, cream, fn-med xln, fr-gd vuggy por, sl  
sucrosic, sl marl, sl arg, NSOC.

Dolomite: light grey-off white, vfxl, occ beige, w/ fair pp  
vuggy por, sucrosic-sl sucrosic, mod crnntd, NSOC.



4400 MD

4450

4500

50

Dolomite: lt grey, grey, fn xln, fair, good vuggy por, sucrosic, hard, trc white chert, NSOC.

Dolomite: lt grey-off white, fn xln, sucrosic, very few isolated vugs, dense, NSOC.

Dolomite: lt grey, fn xln, sucrosic, very few isolated vugs, dense, NSOC.

MW 9.3  
Vis 54  
2# LCM

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3957

Date	10-16-23	Sec.	13	Twp.	13	Range	27	County	Gove	State	Ks	On Location		Finish	1:15PM
								Location							
								Quarter 9S2W							

Lease	POLIRA		Well No.	13-2		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Contractor	Southwind					Charge To	BLACK ROCK Res INC								
Type Job	SURFACE					Street									
Hole Size	12 1/4		T.D.	273		City	State								
Csg.	8 5/8		Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Tbg. Size			Depth			Cement Amount Ordered 180 50/20 3-2									
Tool			Depth			Meas Line Displace 16.4									
Cement Left in Csg.	15		Shoe Joint			8 5/8 Head									

EQUIPMENT				Common	145											
Pumptrk	17	No.	Cementer	Bill		Poz. Mix	35									
			Helper			Gel.	3									
Bulktrk		No.	Driver	Jordan		Calcium	7									
			Driver													
Bulktrk	9	No.	Driver	Doug												
			Driver													

JOB SERVICES & REMARKS				Hulls												
Remarks:				Salt												
Rat Hole				Flowseal												
Mouse Hole				Kol-Seal												
Centralizers				Mud CLR 48												
Baskets				CFL-117 or CD110 CAF 38												
D/V or Port Collar				Sand												
Set e 273				Handling	190											
Cement 180				Mileage												
Pump plug w/ 16.4																
Cement did Circ																

FLOAT EQUIPMENT				Guide Shoe												
				Centralizer												
				Baskets												
				AFU Inserts												
				Float Shoe												
				Latch Down												
				Pumptrk Charge	Surface											
				Mileage	47											

Signature	Doug Roberts	Thanks	Tax	
			Discount	
			Total Charge	

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665

No. 3962

Phone 785-483-1071  
Cell 785-324-1041

Date	10-27-23	Sec.	13	Twp.	13	Range	27	County	Gove	State	Ks	On Location		Finish	5:30pm
Location													Quinten 85 24		

Lease	POLISKA		Well No.	13-2		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Contractor	Southwind						Charge To	BLACK ROCK RES. LLC								
Type Job	Long string						Street									
Hole Size	7.8		T.D.	4442		City	State									
Csg.	5 1/2		Depth			The above was done to satisfaction and supervision of owner agent or contractor.										
Tbg. Size	17 #		Depth			Cement Amount	Ordered 5000 Flw 300 SKS QmDC 4 #7-10									
Tool			Depth			Common	200 QDOC 10% salt 5% Gil									
Cement Left in Csg.	40.91		Shoe Joint	40.91		Poz. Mix	500 % QmDC									
Meas Line			Displace	101.8		Gel.										

**EQUIPMENT**

Pumptrk	17	No.	Cementer	Bill
			Helper	JORDAN
Bulktrk	20	No.	Driver	
			Driver	Joe
Bulktrk	19	No.	Driver	JOE
			Driver	

**JOB SERVICES & REMARKS**

Remarks:

Rat Hole 300#

Mouse Hole 15#

Centralizers 1.35 7.9 - 11.17 3.9 5.9 7.9

Baskets 18 40 60 86

D/V or Port Collar

pipe note 4431

Shoe JT 40.91

Insert 43.90.10

pump 500 gal Flush

Follow w/ 4 SSIX QmDC

Flw 2004 QDOC

pump plug w/ 102 bbls

land plug c. 2200 #

Cemt Did Circ

Hulls	
Salt	17
Flowseal	125 #
Kol-Seal	1000 #
Mud CLR	48
CFL-117 or CD110 CAF	38
Sand	
Handling	728
Mileage	

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	16
Baskets	4
AFU Inserts	
Float Shoe	1
Latch Down	1

Pumptrk Charge	Prod String
Mileage	47
Tax	
Discount	
Total Charge	

X Signature *Ray Roberts*

*Thanks*

Conservation Division  
266 N. Main St., Ste. 220  
Wichita, KS 67202-1513



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Andrew J. French, Chairperson  
Dwight D. Keen, Commissioner  
Annie Kuether, Commissioner

Laura Kelly, Governor

March 04, 2024

Jesse Dinkel  
Black Rock Resources, LLC  
1029 E. 7TH ST.  
PO BOX 553  
RUSSELL, KS 67665-0553

Re: ACO-1  
API 15-063-22436-00-00  
POLIFKA 13-2  
NW/4 Sec.13-13S-27W  
Gove County, Kansas

Dear Jesse Dinkel:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 10/17/2023 and the ACO-1 was received on February 26, 2024 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department