

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

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

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

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

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

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

Location of fluid disposal if hauled offsite:

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

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

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

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

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Brito Oil Company, Inc.
Well Name	TAYLOR 33-1
Doc ID	1508178

Tops

Name	Top	Datum
B/Anhydrite	3148	314
Topeka	4067	-605
Heebner	4282	-820
Lansing	4340	-878
Muncie Crk	4463	-1001
Stark	4546	-1084
BKC	4610	-1148
Marmaton	4639	-1177
Pawnee	4722	-1260
Ft Scott	4792	-1330
Cherokee	4825	-1363
Mississippi	5029	-1567





**CEMENT TREATMENT REPORT**

<b>Customer:</b> Brito	<b>Well:</b> Taylor 33-1	<b>Ticket:</b> ICT3261
<b>City, State:</b>	<b>County:</b> Sherman KS	<b>Date:</b> 2/14/2020
<b>Field Rep:</b> Rickey	<b>S-T-R:</b> 33/6/37	<b>Service:</b> PTA

Downhole Information	
Hole Size:	in
Hole Depth:	ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	bbls

Calculated Slurry	
Weight:	14.6 # / sx
Water / Sx:	6.63 gal / sx
Yield:	1.37 ft <sup>3</sup> / sx
Bbls / Ft.:	0.0406
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	92.7 bbls
Total Sacks:	380 sx

Product	% / #	#
Class C	100.00	
Poz		
Gel		
CaCl		
Gypsum		
Metso		
Kol Seal		
Flo Seal		
Salt (bww)		
<b>Total</b>		<b>35,720</b>

TIME	RATE	PSI	BBLs	REMARKS
9:30 PM				Arrive on location
9:35 PM				Safety meeting
9:40 PM				Rig Up pump and lines
10:22 PM	2.0	150.0	5.0	Pump H2O
10:24 PM	4.0	350.0	24.4	Mix 100 sks of Class C @ 14.6 ppg @4750
10:28 PM	8.0	600.0	67.5	Displace with mud
10:35 PM				Rig pulls pipe
11:45 PM	2.0	150.0	5.0	Pump H2O
11:47 PM	4.0	210.0	24.4	Mix 100 sks of Class C @ 14.6 ppg @ 2210
11:55 PM	8.0	500.0	31.4	Displace with mud
12:05 PM				Rig pulls pipe
1:00 AM	4.0	180.0	24.4	Mix 100 sks of Class C @ 14.6 ppg @ 460
1:08 AM	4.0	160.0	6.5	Displace with H2O
1:20 AM	3.0	120.0	9.8	Plug top 40
1:30 AM	3.0	100.0	12.0	Plug RH and MH
1:35 AM				Rig down
1:45 AM				Depart

CREW		UNIT	SUMMARY		
Cementer:	Josh Mosier	28	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Corey Davis	209	4.2 bpm	252 psi	210 bbls
Bulk #1:	Kale Ochs	194			
Bulk #2:					



**CEMENT TREATMENT REPORT**

<b>Customer:</b> Brito	<b>Well:</b> Taylor 33-1	<b>Ticket:</b> ICT3207
<b>City, State:</b>	<b>County:</b> Sherman KS	<b>Date:</b> 2/6/2020
<b>Field Rep:</b> Rickey	<b>S-T-R:</b> 33-6-37	<b>Service:</b> Surface

**Downhole Information**

Hole Size:	12.25 in
Hole Depth:	391 ft
Casing Size:	8 5/8 in
Casing Depth:	391 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	23.6 bbls

**Calculated Slurry**

Weight:	14.8 # / sx
Water / Sx:	6.88 gal / sx
Yield:	1.41 ft <sup>3</sup> / sx
Bbls / Ft.:	0.0735
Depth:	391 ft
Annular Volume:	28.7385 bbls
Excess:	165%
Total Slurry:	76.2 bbls
Total Sacks:	300 sx

Product	% / #	#
Class A	100.00	28200
Poz		
Gel	3.00	846
CaCl	2.00	564
Gypsum		
Metso		
Kol Seal		
Flo Seal	0.25	71
Salt (bww)		
<b>Total</b>		<b>29,685</b>

TIME	RATE	PSI	BBLs	REMARKS
2:00 PM				Arrive on location. Rig circulating on bottom with DP
2:05 PM				Safety meeting
2:10 PM				Rig up pump and lines
5:15 PM	2.0	480.0	5.0	Pump H2O ahead
5:20 PM	7.0	550.0	76.0	Mix 300 sks of H235 @ 14.8 ppg
5:28 PM	6.5	222.0	23.5	Start displacement
5:33 PM		150.0		End displacement
5:40 PM		150.0		Shut in well
5:45 PM				Final wash up
6:00 PM				Rig down
6:15 PM				Depart

CREW	UNIT	SUMMARY			
Cementer:	Dane	29	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Josh	231	5.16667 bpm	310 psi	105 bbls
Bulk #1:	John	194			
Bulk #2:	Jesse				



## DRILL STEM TEST REPORT

Prepared For: **Brito Oil Company Inc**

8100 E 22nd St. N Ste 600-R  
Wichita, KS 67226

ATTN: Brad Rine

### **Taylor #33-1**

#### **33-06s-37w Sherman,KS**

Start Date: 2020.02.11 @ 16:44:09

End Date: 2020.02.11 @ 23:49:09

Job Ticket #: 66150                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.02.17 @ 09:25:40

Brito Oil Company Inc  
33-06s-37w Sherman,KS  
Taylor #33-1  
DST # 1  
LKC H - J  
2020.02.11



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Brito Oil Company Inc  
8100 E 22nd St. N Ste 600-R  
Wichita, KS 67226  
ATTN: Brad Rine

**33-06s-37w Sherman,KS**  
**Taylor #33-1**  
Job Ticket: 66150 **DST#: 1**  
Test Start: 2020.02.11 @ 16:44:09

## GENERAL INFORMATION:

Formation: **LKC H - J**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:48:39  
Time Test Ended: 23:49:09  
Interval: **4456.00 ft (KB) To 4543.00 ft (KB) (TVD)**  
Total Depth: 4543.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brandon Turley  
Unit No: 79  
Reference Elevations: 3462.00 ft (KB)  
3457.00 ft (CF)  
KB to GR/CF: 5.00 ft

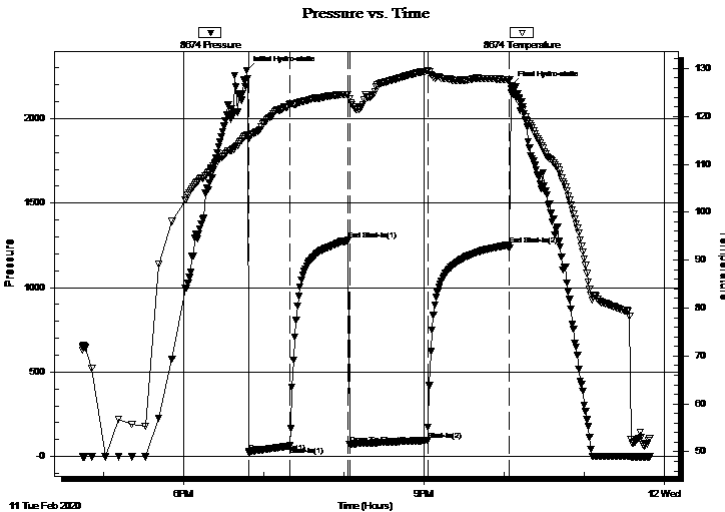
## Serial #: 8674

Outside

Press@RunDepth: 95.50 psig @ 4457.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2020.02.11 End Date: 2020.02.11 Last Calib.: 2020.02.11  
Start Time: 16:44:14 End Time: 23:49:08 Time On Btm: 2020.02.11 @ 18:47:09  
Time Off Btm: 2020.02.11 @ 22:05:39

TEST COMMENT: IF: 3/4" blow built to 4"  
IS: No return.  
FF: 1/4" blow built to 2 1/4"  
FS: No return. 30-45-60-60

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2285.57	116.20	Initial Hydro-static
2	24.75	115.38	Open To Flow (1)
33	62.90	122.61	Shut-In(1)
76	1279.52	124.56	End Shut-In(1)
77	71.10	123.71	Open To Flow (2)
136	95.50	129.52	Shut-In(2)
197	1251.97	127.67	End Shut-In(2)
199	2194.55	125.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
123.00	mcw 60%w 40%m	0.60
30.00	w cm 20%w 80%m	0.42
1.00	free oil 100%o	0.01

## Gas Rates

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





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brito Oil Company Inc  
8100 E 22nd St. N Ste 600-R  
Wichita, KS 67226  
ATTN: Brad Rine

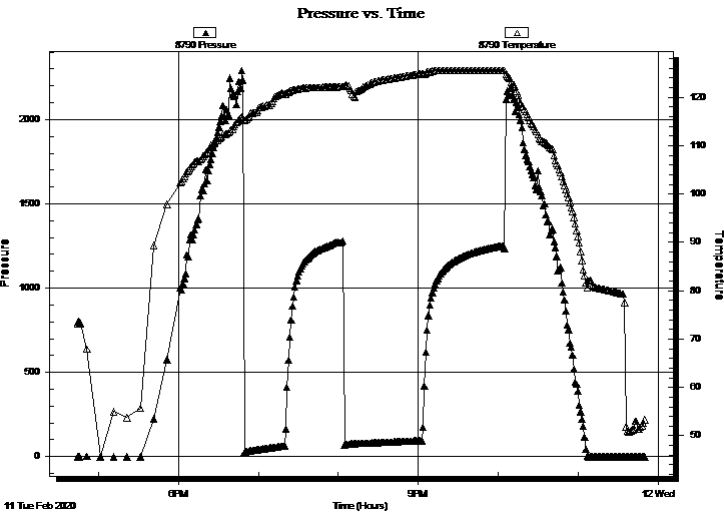
**33-06s-37w Sherman,KS**  
**Taylor #33-1**  
Job Ticket: 66150 **DST#: 1**  
Test Start: 2020.02.11 @ 16:44:09

## GENERAL INFORMATION:

Formation: **LKC H - J**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:48:39  
Time Test Ended: 23:49:09  
Interval: **4456.00 ft (KB) To 4543.00 ft (KB) (TVD)**  
Total Depth: 4543.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brandon Turley  
Unit No: 79  
Reference Elevations: 3462.00 ft (KB)  
3457.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8790 Inside**  
Press@RunDepth: psig @ 4457.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2020.02.11 End Date: 2020.02.11 Last Calib.: 2020.02.11  
Start Time: 16:44:39 End Time: 23:49:33 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: 3/4" blow built to 4"  
IS: No return.  
FF: 1/4" blow built to 2 1/4"  
FS: No return. 30-45-60-60



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
123.00	mcw 60%w 40%m	0.60
30.00	w cm 20%w 80%m	0.42
1.00	free oil 100%o	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brito Oil Company Inc

**33-06s-37w Sherman,KS**

8100 E 22nd St. N Ste 600-R  
Wichita, KS 67226

**Taylor #33-1**

Job Ticket: 66150

**DST#: 1**

ATTN: Brad Rine

Test Start: 2020.02.11 @ 16:44:09

## Tool Information

Drill Pipe:	Length: 4317.00 ft	Diameter: 3.80 inches	Volume: 60.56 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: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 61.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4456.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4430.00	
Shut In Tool	5.00			4435.00	
Hydraulic tool	5.00			4440.00	
Jars	5.00			4445.00	
Safety Joint	2.00			4447.00	
Packer	5.00			4452.00	27.00 Bottom Of Top Packer
Packer	4.00			4456.00	
Stubb	1.00			4457.00	
Recorder	0.00	8790	Inside	4457.00	
Recorder	0.00	8674	Outside	4457.00	
Perforations	18.00			4475.00	
Change Over Sub	1.00			4476.00	
Drill Pipe	63.00			4539.00	
Change Over Sub	1.00			4540.00	
Bullnose	3.00			4543.00	87.00 Bottom Packers & Anchor

**Total Tool Length: 114.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Brito Oil Company Inc

**33-06s-37w Sherman,KS**

8100 E 22nd St. N Ste 600-R  
Wichita, KS 67226

**Taylor #33-1**

Job Ticket: 66150

**DST#: 1**

ATTN: Brad Rine

Test Start: 2020.02.11 @ 16:44:09

### 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:

25000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	mcw 60%w 40%m	0.605
30.00	w cm 20%w 80%m	0.421
1.00	free oil 100%o	0.014

Total Length: 154.00 ft      Total Volume: 1.040 bbl

Num Fluid Samples: 0

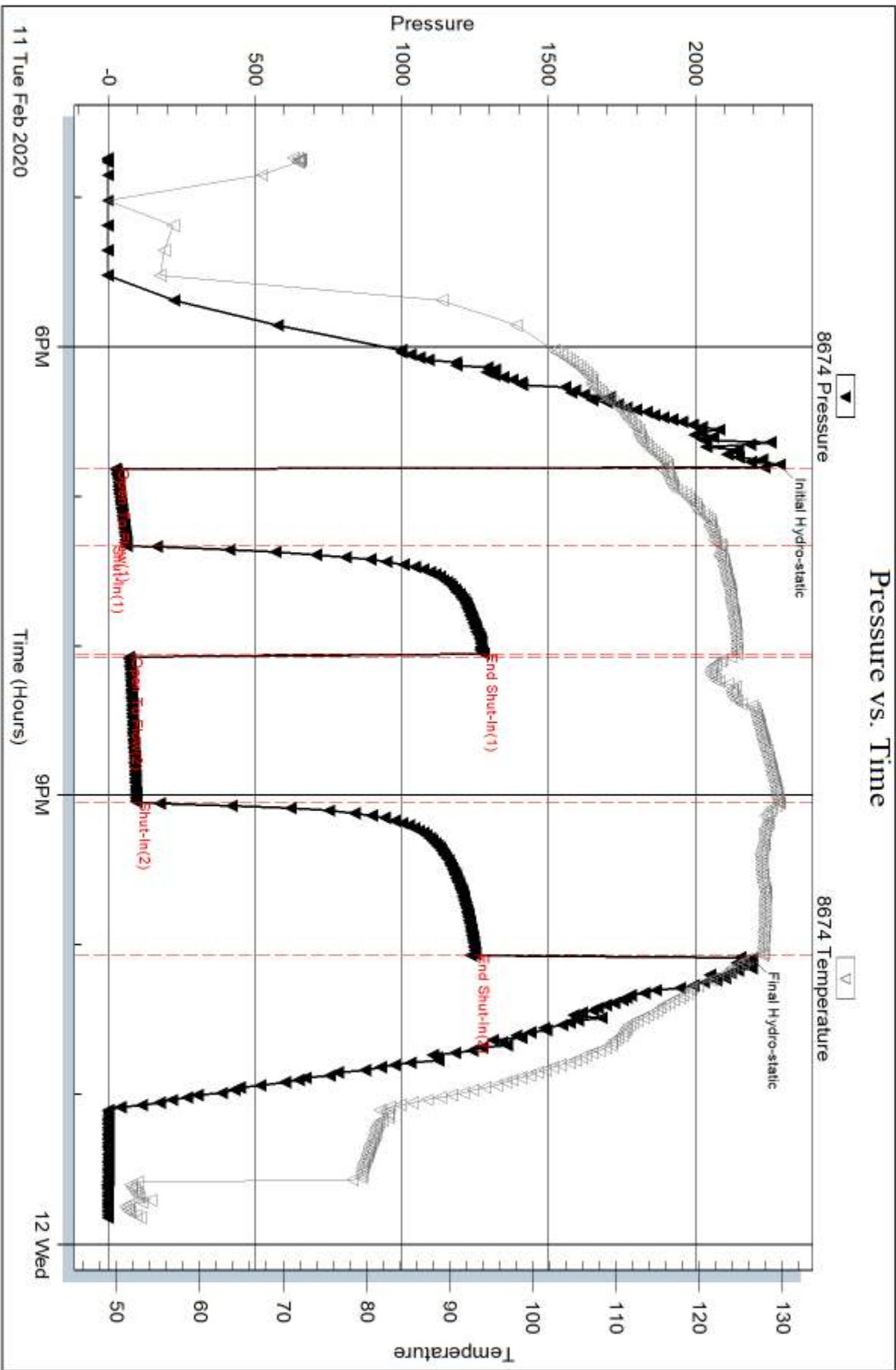
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .55@35=25000



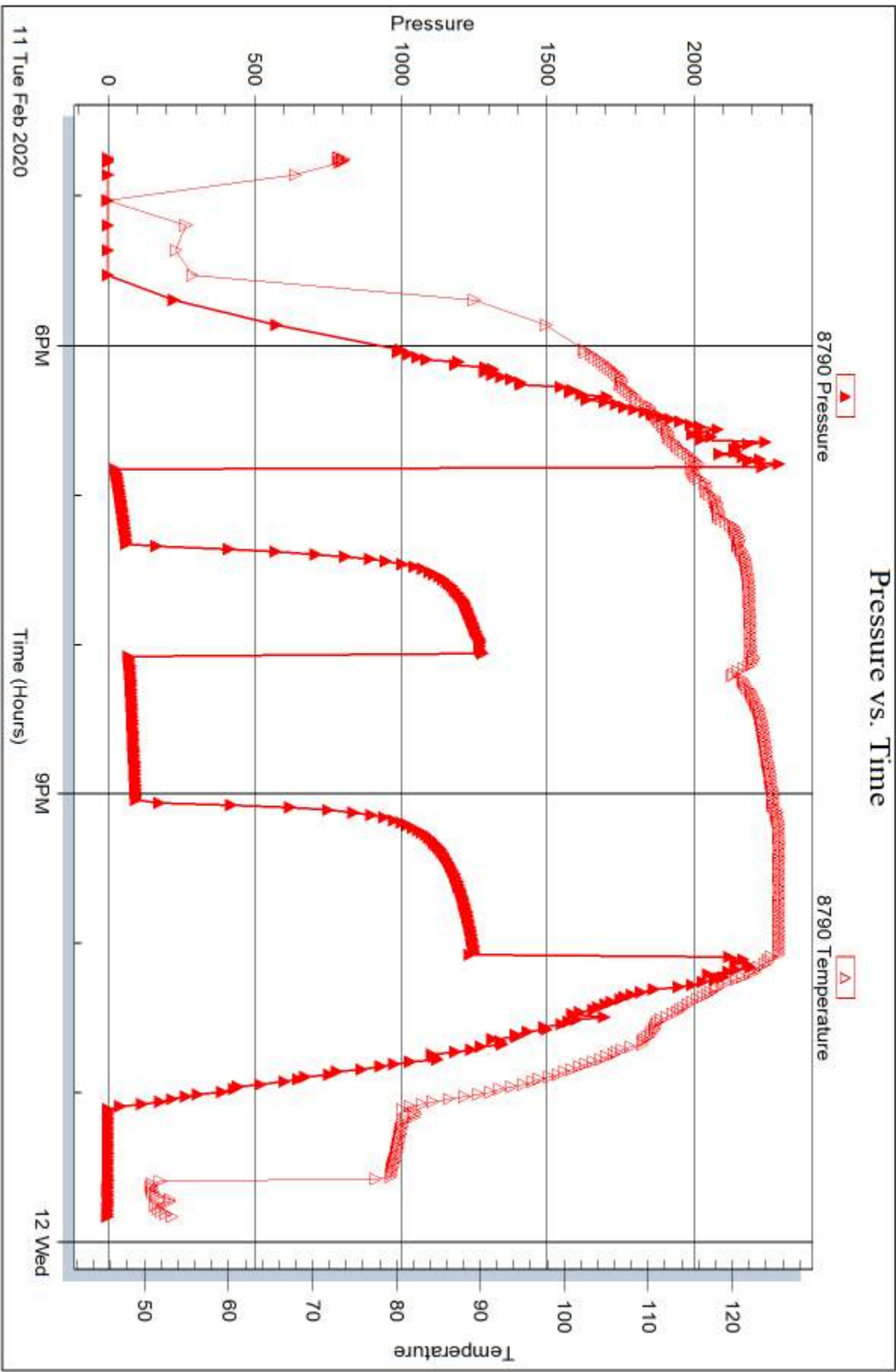
Serial #: 8790

Inside

Brito Oil Company Inc

Taylor #33-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66150

Printed: 2020.02.17 @ 09:25:41



## DRILL STEM TEST REPORT

Prepared For: **Brito Oil Company Inc**

8100 E 22nd St. N Ste 600-R  
Wichita, KS 67226

ATTN: Brad Rine

### **Taylor #33-1**

#### **33-06s-37w Sherman,KS**

Start Date: 2020.02.12 @ 21:09:59

End Date: 2020.02.13 @ 02:56:29

Job Ticket #: 66626                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.02.17 @ 09:25:06



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Brito Oil Company Inc  
8100 E 22nd St. N Ste 600-R  
Wichita, KS 67226  
ATTN: Brad Rine

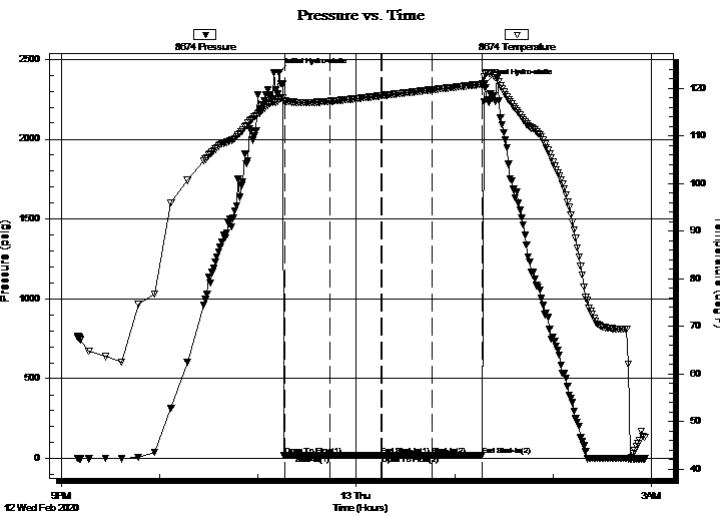
**33-06s-37w Sherman,KS**  
**Taylor #33-1**  
Job Ticket: 66626 **DST#: 2**  
Test Start: 2020.02.12 @ 21:09:59

## GENERAL INFORMATION:

Formation: **Altamont C**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 23:16:29  
Time Test Ended: 02:56:29  
Interval: **4651.00 ft (KB) To 4705.00 ft (KB) (TVD)**  
Total Depth: 4705.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brandon Turley  
Unit No: 79  
Reference Elevations: 3462.00 ft (KB)  
3457.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8674 Outside**  
Press@RunDepth: 20.12 psig @ 4652.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2020.02.12 End Date: 2020.02.13 Last Calib.: 2020.02.12  
Start Time: 21:10:04 End Time: 02:56:28 Time On Btm: 2020.02.12 @ 23:12:59  
Time Off Btm: 2020.02.13 @ 01:18:29

TEST COMMENT: IF: 1/4" blow built to 1"  
IS: No return.  
FF: No blow.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2418.04	117.61	Initial Hydro-static
4	21.44	117.36	Open To Flow (1)
31	20.54	117.29	Shut-In(1)
62	20.52	118.43	End Shut-In(1)
63	18.14	118.46	Open To Flow (2)
94	20.12	119.71	Shut-In(2)
124	22.44	120.89	End Shut-In(2)
126	2349.94	123.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Brito Oil Company Inc  
 8100 E 22nd St. N Ste 600-R  
 Wichita, KS 67226  
 ATTN: Brad Rine

**33-06s-37w Sherman,KS**

**Taylor #33-1**

Job Ticket: 66626

**DST#: 2**

Test Start: 2020.02.12 @ 21:09:59

## GENERAL INFORMATION:

Formation: **Altamont C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:16:29

Time Test Ended: 02:56:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4651.00 ft (KB) To 4705.00 ft (KB) (TVD)**

Reference Elevations: 3462.00 ft (KB)

Total Depth: 4705.00 ft (KB) (TVD)

3457.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8790 Inside**

Press@RunDepth: psig @ 4652.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.02.12

End Date:

2020.02.13

Last Calib.:

2020.02.13

Start Time: 21:09:38

End Time:

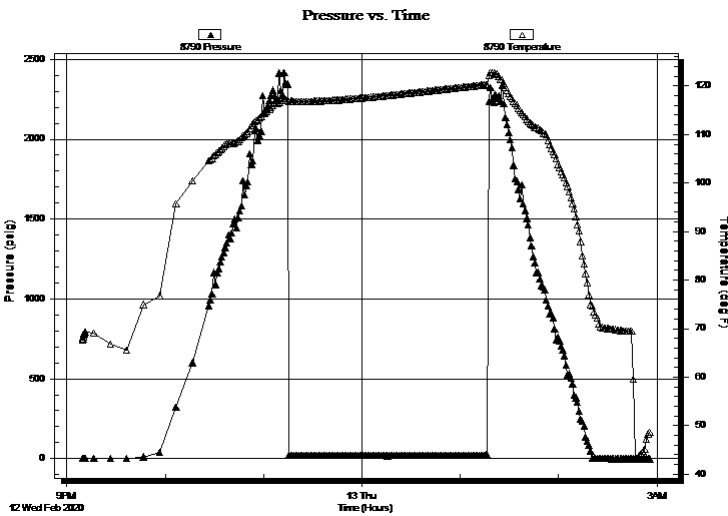
02:56:02

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 1"  
 IS: No return.  
 FF: No blow.  
 FS: No return.

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brito Oil Company Inc

**33-06s-37w Sherman,KS**

8100 E 22nd St. N Ste 600-R  
Wichita, KS 67226

**Taylor #33-1**

Job Ticket: 66626

**DST#: 2**

ATTN: Brad Rine

Test Start: 2020.02.12 @ 21:09:59

## Tool Information

Drill Pipe:	Length: 4507.00 ft	Diameter: 3.80 inches	Volume: 63.22 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: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 63.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4651.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			4625.00	
Shut In Tool	5.00			4630.00	
Hydraulic tool	5.00			4635.00	
Jars	5.00			4640.00	
Safety Joint	2.00			4642.00	
Packer	5.00			4647.00	27.00 Bottom Of Top Packer
Packer	4.00			4651.00	
Stubb	1.00			4652.00	
Recorder	0.00	8790	Inside	4652.00	
Recorder	0.00	8674	Outside	4652.00	
Perforations	16.00			4668.00	
Change Over Sub	1.00			4669.00	
Drill Pipe	32.00			4701.00	
Change Over Sub	1.00			4702.00	
Bullnose	3.00			4705.00	54.00 Bottom Packers & Anchor

**Total Tool Length: 81.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brito Oil Company Inc

**33-06s-37w Sherman,KS**

8100 E 22nd St. N Ste 600-R  
Wichita, KS 67226

**Taylor #33-1**

Job Ticket: 66626

**DST#: 2**

ATTN: Brad Rine

Test Start: 2020.02.12 @ 21:09:59

## 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

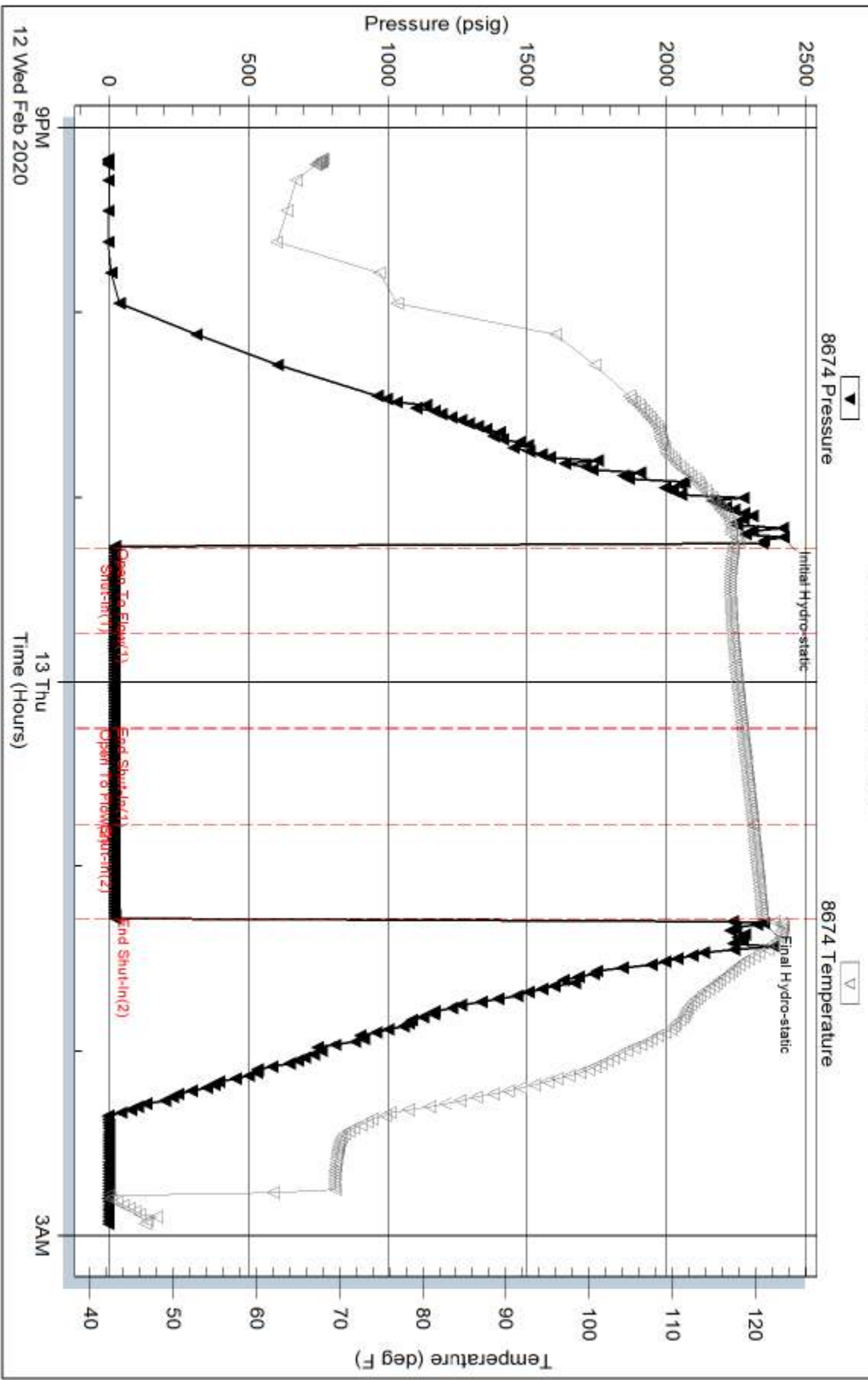
Serial #: 8674

Outside Brito Oil Company Inc

Taylor #33-1

DST Test Number: 2

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 66626

Printed: 2020.02.17 @ 09:25:06

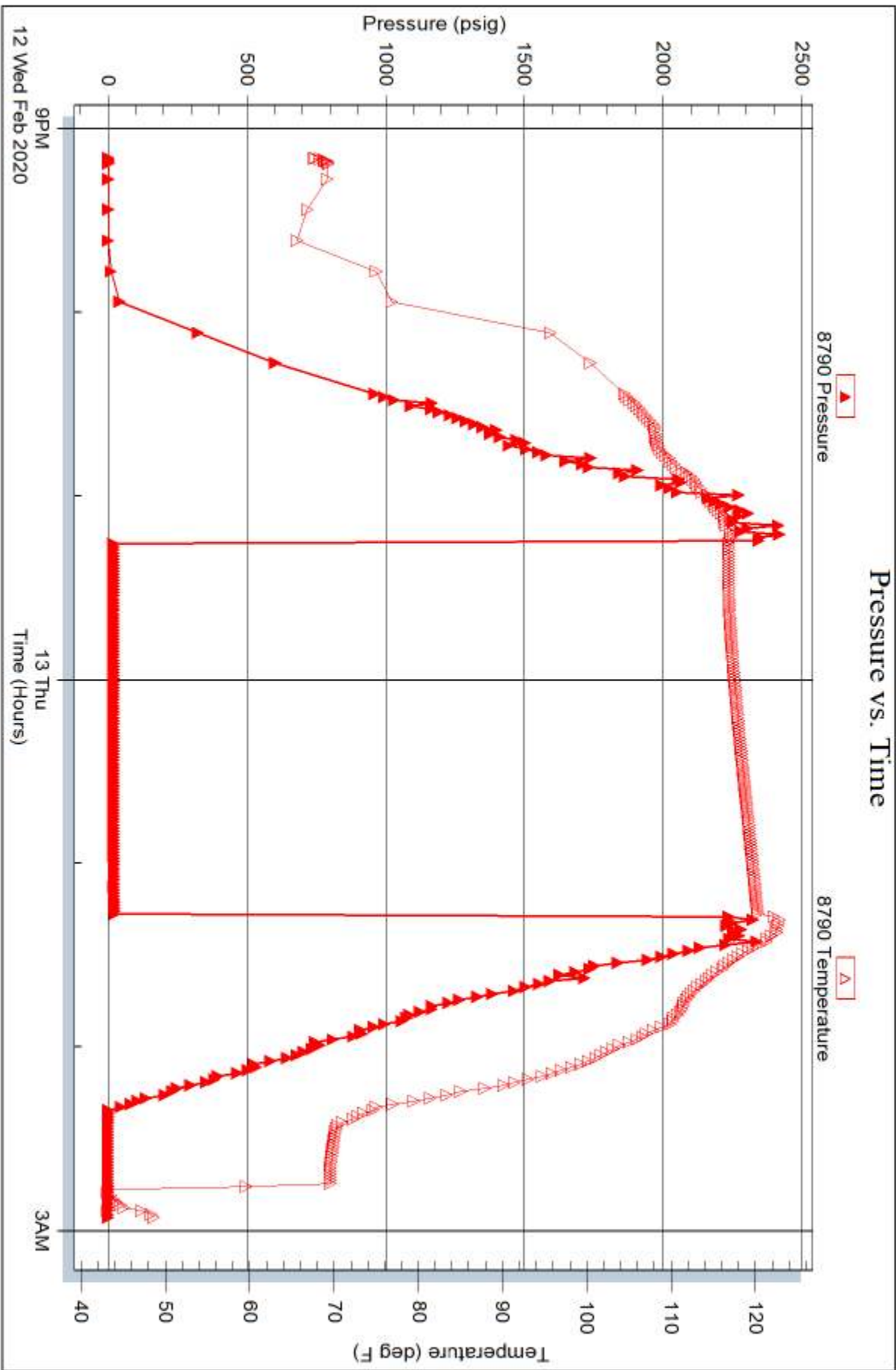
Serial #: 8790

Inside

Brito Oil Company Inc

Taylor #33-1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66626

Printed: 2020.02.17 @ 09:25:07



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 66150

NO.

Well Name & No. Taylor 33-1 Test No. 1 Date 2-11-20  
 Company Brito oil company inc Elevation 3462 KB 3457 GL  
 Address 8100 E 22nd St N Ste 600-R Wichita, KS 67226  
 Co. Rep / Geo. Brod Bime Rig Murfin 110  
 Location: Sec. 33 Twp 65 Rge. 37W Co. Sherman State KS

Interval Tested 4456 4543 Zone Tested LKC H & J  
 Anchor Length 87 Drill Pipe Run 4317 Mud Wt. 9.3  
 Top Packer Depth 4451 Drill Collars Run 123 Vls 53  
 Bottom Packer Depth 4456 Wt. Pipe Run — WL 8.8  
 Total Depth 4543 Chlorides 6000 ppm System LCM 1  
 Blow Description ±F: 3/4 blow built to 4,  
±S: NO return.  
FF: 1/4 blow built to 2 1/4.  
FS: NO return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free oil</u>	<u>100</u>			
<u>30</u>	<u>WCM</u>		<u>20</u>	<u>80</u>	
<u>123</u>	<u>MLW</u>		<u>60</u>	<u>40</u>	

Rec Total 154 BHT 127 Gravity — API RW .55 @ 35 °F Chlorides 25,000 ppm

(A) Initial Hydrostatic <u>2285</u>	<input checked="" type="checkbox"/> Test 1300	T-On Location <u>15:00</u>
(B) First Initial Flow <u>24</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>16:44</u>
(C) First Final Flow <u>62</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>18:48</u>
(D) Initial Shut-In <u>1279</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>22:03</u>
(E) Second Initial Flow <u>71</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:50</u>
(F) Second Final Flow <u>95</u>	<input checked="" type="checkbox"/> Mileage <u>201- 141rt</u>	Comments _____
(G) Final Shut-In <u>1251</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> EM Tool
(H) Final Hydrostatic <u>2194</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1766</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1766</u>	

Approved By Brod Bime Our Representative [Signature]

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 66626

NO.

Well Name & No. Taylor 33-1 Test No. 2 Date 2-12-20  
 Company Brito oil Elevation 3462 KB 3457 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Brad Rine Rig Marlin 110  
 Location: Sec. 33 Twp 65 Rge. 37W Co. Sherman State KS

Interval Tested 4651 4705 Zone Tested Altamont C  
 Anchor Length 54 Drill Pipe Run 4507 Mud Wt. 9.3  
 Top Packer Depth 4646 Drill Collars Run 123 Vls 50  
 Bottom Packer Depth 4651 Wt. Pipe Run \_\_\_\_\_ WL 7.2  
 Total Depth 4705 Chlorides 6600 ppm System LCM 1

Blow Description IF: 1/4 blow built to 1.  
IS: No return.  
FF: No return blow.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</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 5 BHT 120 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2418</u>	<input checked="" type="checkbox"/> Test 1300	T-On Location <u>17:45</u>
(B) First Initial Flow <u>21</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>21:09</u>
(C) First Final Flow <u>20</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>23:14</u>
(D) Initial Shut-In <u>20</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>1:14</u>
(E) Second Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Hourly Standby <u>3-300.00</u>	T-Out <u>2:55</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>201 - 282</u>	Comments <u>short trip</u>
(G) Final Shut-In <u>22</u>	<input type="checkbox"/> Sampler _____	<u>No phone call</u>
(H) Final Hydrostatic <u>2349</u>	<input type="checkbox"/> Straddle _____	<u>Loaded 2-14 7pm</u>

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

EM Tool \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 800  
 Total 2707  
 Sub Total 1907 MP/DST Disc't \_\_\_\_\_

Approved By Brad Rine Our Representative [Signature]

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

Well Name: Taylor #33-1 - Brito Oil Company, Inc.  
API: 15-181-20633-00-00  
Location: NW-SW-NE-SE, Section 33-06S-37W  
License Number: KCC #4629  
Spud Date: February 06, 2020  
Surface Coordinates: 1690' FSL & 1208' FEL,  
of Section  
Bottom Hole Vertical Wellbore  
Coordinates:  
Ground Elevation (ft): 3457 Ft. K.B. Elevation (ft): 3462 Ft.  
Logged Interval (ft): 4000 Ft. To: 5100 Ft. Total Depth (ft): RTD 5100 Ft. LTD 5104 Ft.  
Formation: Mississippian at Total Depth  
Type of Drilling Fluid: Chemical

Region: Sherman County, Kansas  
Drilling Completed: February 14, 2020  
Results: D & A  
Field: Wildcat

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

Operator

Company: Brito Oil Company, Inc.  
Address: 8100 East 22nd Street North, Suite 600-R  
Wichita, Kansas 67226-2324

Geologist

Name: M. Bradford Rine  
Company: Consulting Geologist, Kansas Lic. #204, Wyo #189, AAPG Cert. #2647  
Address: 100 South Main, Suite #320A  
Wichita, Kansas 67202

Remarks

Based on sample observations, drill stem test results, and electric log evaluation, it was the decision of the Operator, to plug and abandon the "Taylor #33-1", on February 14, 2020.

Respectfully submitted,  
M. Bradford Rine, geologist

## Drilling Information

**Rig:** Murfin WW, Rig #110  
**Pump:** Emsco D375 6x14  
**Drawworks:** National T32  
**Collars:** 486' 2-1/4 x 6-1/4  
**Drillpipe:** 4-1/2" 16.6# XH  
**Toolpusher:** Ricky Hilgers

**Mud:** Mudco (Matt Smith, Reid Atkins)  
**Mud Pumping:** (Monster Pump)  
**Gas Detector:** None  
**Drill Stem Tests:** Trilobite (Brandon Turley)  
**Logs:** Pioneer (Ian Mabb)  
**Water:** Drilled Water Well (On Location)  
**BLM:** Area Representative (Zach Messner)  
**Company Representatives:**  
**Office:** Raul Brito  
**Field:** None

## Daily Drilling Status

<b>Date:</b>	<b>Operations/Depth/Comments</b>
02-05-20	MIRT, RU @ 0'
02-06-20	Spud @ 0'
02-07-20	Testing BOP @ 391'
02-08-20	Drilling @ 2208'
02-09-20	Drilling @ 3230'
02-10-20	Drilling @ 4020'
02-11-20	Drilling @ 4495'
02-12-20	Drilling @ 4613'
02-13-20	Drilling @ 4725'
02-14-20	Drilling @ 5022'
02-15-20	Plugged @ 5100'



	Results: D&A			(Well A) D&A		(Well B) D&A			
	Brito Oil Company, Inc.			U.S. Signal Oil & Gas		Questa Energy Corp			
	Taylor #33-1			Signal 71 Baird #1		Bear #34-1			
	1690' FSL & 1208' FEL			660' FNL & 1980' FWL		2622' FSL & 180' FEL			
Sec. 33-06S-37W			Sec. 04-07S-37W		Sec. 34-06S-37W				
KB 3462			KB 3467		KB 3426		Well A	Well B	
Formations	Sample	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparison(s)	
Anhydrite	3116	3117	345	3106	361	3070	356	-16	-11
B/Anhydrite	3148	3150	312	3139	328	3105	321	-16	-9
Topeka	4067	4070	-608	4056	-589	4030	-604	-19	-4
Heebner Sh.	4284	4288	-826	4275	-808	4248	-822	-18	-4
Toronto	4320	4324	-862	4311	-844	4284	-858	-18	-4
Lansing	4340	4343	-881	4331	-864	4300	-874	-17	-7
Muncie Creek Sh.	4463	4467	-1005	4457	-990	4428	-1002	-15	-3
Stark Sh.	4546	4550	-1088	4545	-1078	4512	-1086	-10	-2
B/Kansas City	4607	4809	-1347	4608	-1141	4568	-1142	-206	-205
Marmaton/Altamont	4639	4640	-1178	4638	-1171	4600	-1174	-7	-4
Pawnee	4722	4728	-1266	4720	-1253	4686	-1260	-13	-6
Ft. Scott	4792	4799	-1337	4788	-1321	4755	-1329	-16	-8
Cherokee Sh.	4825	4830	-1368	4822	-1355	4788	-1362	-13	-6
B/Penn Ls	4894	4897	-1435	4894	-1427	4854	-1428	-8	-7
Mississippian	5029	5028	-1566	5051	-1584	4980	-1554	18	-12
Total Depth	5100	5104	-1642	5564	-2097	5060	-1634	455	-8

### Casing Record, Bit Record, Deviation Surveys

#### CASING:

Conductor: None

Surface: Ran 9 jts 8-5/8" 23# (takky 382.59 ft). Set @ 391 ft. (Hurricane) Cement with 300 sx H-235 cement. Cement did circulate. Plug down at 5:30 pm, February 06, 2020.

PRODUCTION: P&A as follows: Plugged with 325 sx 60/40 Poz, 4% gel, 1/4# floreal. 100 sx @ 4801', 100 sx @ 2210', 100 sx @ 460', 5 sx @ 40', 20 sx in Rathole. Plug down at 12:45 am, 02-15-20. Rig released at 4:45 am, February 15, 2020.

#### BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	Smith	Tooth	0	391	03.00
2	7-7/8	Smith	F27	391	5100	120.50

#### DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
1.00*	391'	1.50*	4705'
0.75*	4543'	1.25*	5100'

#### PIPE STRAPS:

Difference:	Depth:
.54 ft long	4543'

**DST #1: 4456-4543 (LKC H, I, J)**

**Times: 30-45-60-60**

**Initial Open: Wk Blow, built to 4" i.b.**

**Final Open: Wk Blow, built to 2-1/4" i.b.**

**Rec: 154' Total Fluid**

**1' Oil**

**30' WCM: 20%w 80%m**

**123' MCW: 60%w40%m**

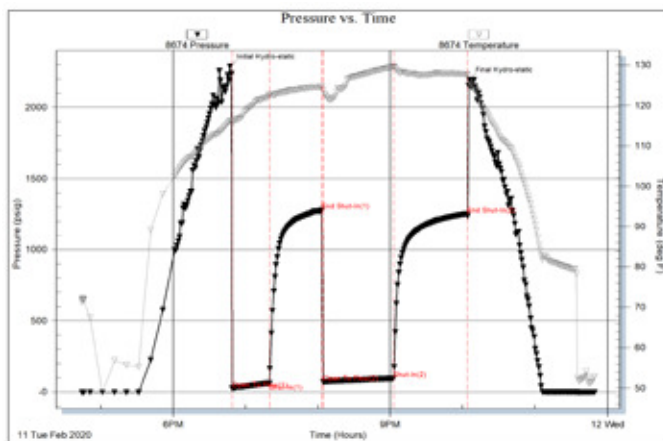
**(Chl Wtr 25000 ppm)**

**IHP: 2285 FHP: 2194**

**IFP: 24-62 FFP: 71-95**

**ISIP: 1279 FSIP: 1251**

**BHT: 127°F**



**DST #2: 4651-4705 (Altamont B,C)**

**Times: 30-30-30-30**

**Initial Open: Wk Blow, built to steady 1"**

**Final Open: No Blow**

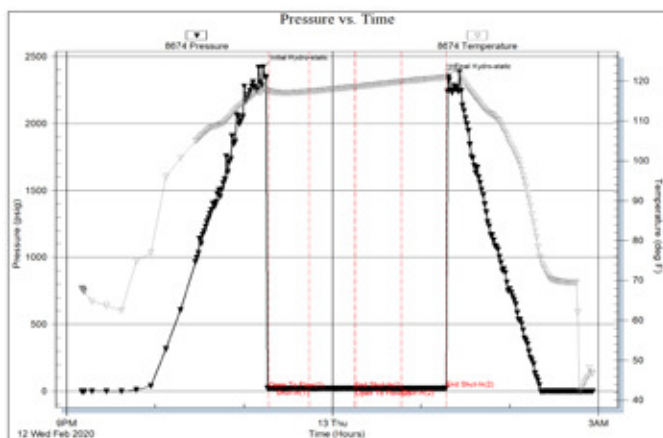
**Rec: 5' mud**

**IHP: 2418 FHP: 2349**

**IFP: 21-20 FFP: 18-20**

**ISIP: 20 FSIP: 22**

**BHT: 120°F**



### Rock Types

	<b>Cgl/gran wa sh</b>		<b>Bent</b>		<b>Dol</b>		<b>Salt</b>		<b>Till</b>
	<b>Dol ls/lmy dr</b>		<b>Brec</b>		<b>Gyp</b>		<b>Shale</b>		<b>Sltysh</b>
	<b>New symbol</b>		<b>Cht</b>		<b>Igne</b>		<b>Shcol</b>		<b>Shlysiltst</b>
	<b>Dol ls/lmy dr</b>		<b>Clyst</b>		<b>Lmst</b>		<b>Shgy</b>		<b>Siltst</b>
	<b>New symbol</b>		<b>Blk sh/coal</b>		<b>Meta</b>		<b>Ss</b>		<b>Sandyls</b>
	<b>Anhy</b>		<b>Congl</b>		<b>Mrlst</b>				

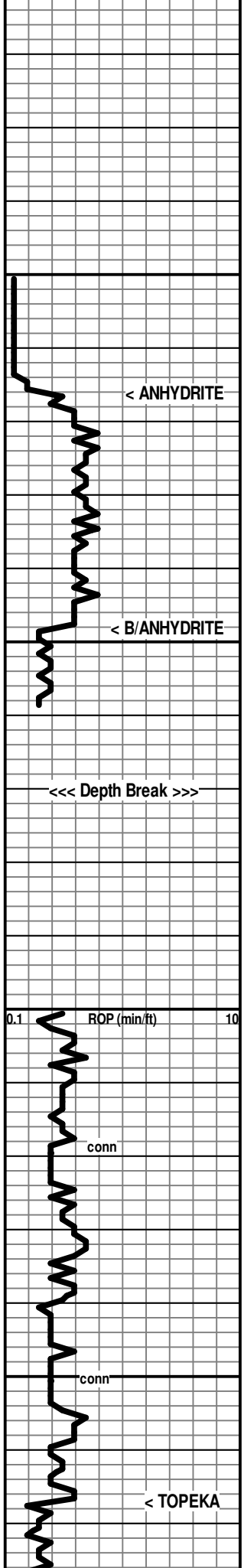
### Accessories

<b>MINERAL</b>		<b>Gyp</b>	<b>FOSSIL</b>		<b>Ostra</b>
	<b>Anhy</b>				<b>Pelec</b>
	<b>Arggrn</b>				<b>Pellet</b>
	<b>Arg</b>				<b>Pisolite</b>
	<b>Bent</b>				<b>Plant</b>
	<b>Bit</b>				<b>Strom</b>
	<b>Brecfrag</b>				
	<b>Calc</b>				
	<b>Carb</b>			<b>STRINGER</b>	
	<b>Chtdk</b>				<b>Shale</b>
	<b>Chtlt</b>				<b>Bent</b>
	<b>Dol</b>				<b>Coal</b>
	<b>Feldspar</b>				<b>Dol</b>
	<b>Ferrpel</b>				<b>Gyp</b>
	<b>Ferr</b>				<b>Ls</b>
	<b>Glau</b>				<b>Mrst</b>
				<b>TEXTURE</b>	
					<b>Chalky</b>
					<b>Cryxln</b>
					<b>Earthy</b>
					<b>Finexln</b>
					<b>Grainst</b>
					<b>Lithogr</b>
					<b>Microxln</b>
					<b>Mudst</b>
					<b>Packst</b>
					<b>Wackest</b>

### Other Symbols

<b>OIL SHOW</b>	<input checked="" type="checkbox"/> <b>Even</b>	<input checked="" type="checkbox"/> <b>Dead</b>	<b>INTERVAL</b>
<input checked="" type="checkbox"/> <b>Oil &amp; gas show</b>	<input checked="" type="checkbox"/> <b>Spotted</b>	<input type="checkbox"/> <b>Gas</b>	<input checked="" type="checkbox"/> <b>Core</b>
<input checked="" type="checkbox"/> <b>Gas show</b>	<input checked="" type="checkbox"/> <b>Trace or questionable</b>		<input checked="" type="checkbox"/> <b>Dst</b>

ROP (min/ft)	MD	Lithology	Geological Descriptions	Remarks
ROP (min/ft) 				
	3000			
	50			



3100

< ANHYDRITE

3116 (+346)

Anhydrite Interval: Based on drill time only!

< B/ANHYDRITE

50

3148 (+314)

<<< Depth Break >>>

4000

ROP (min/ft)

50% Sh gy; 50% Ls cr-pl gy,fn xln, dns, foss in pt

conn

7:00 AM, February 10, 2020

30% Sh gy; 70% Ls cr, fn xln, pr xln por to dns, foss

Ls wh-cr, fn xln, pr-fr xln por, foss

4050

conn

Ls wh-cr, fn xln, chalky in pt, pr xln por in pt, foss-abund foss

Sh gy-grn

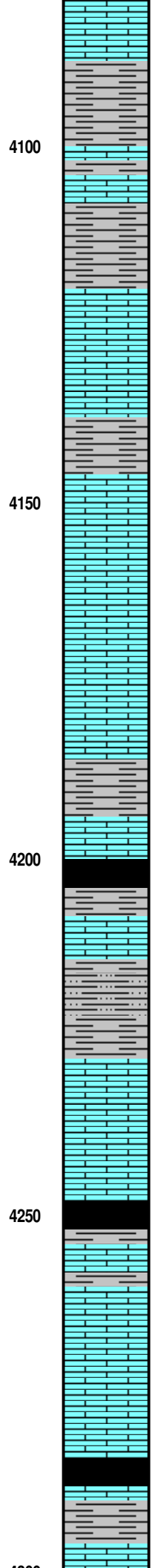
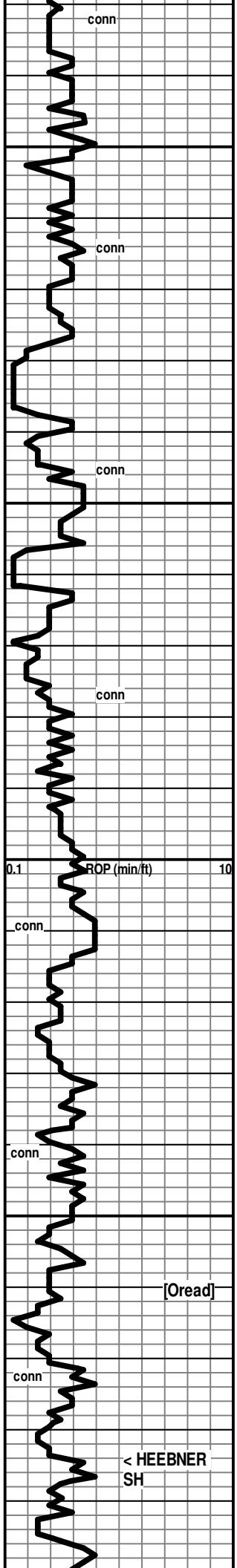
< TOPEKA

4067 (-605)

Ls wh-cr, fn xln, pr-fr xln por in pt, abund Chert: fresh, wh-cr, subtransl-subopaq

Mud Check: Drlg @ 4055'

Vis	Wt	WL	PV	YP
50	9.2	9.6	12	13
Chl	Hd	pH	LCM	Solids
8000	20	10.5	1	6.0



Sh gy-red, argil in pt

4100

Ls wh-cr, fn xln, mostly pr xln por to dns, some fr xln por, foss

Sh gy-grnsh, silty text in pt

90% Ls wh-cr-tan, fn xln, pr-fr xln por in pt, dns in pt, foss; 10% Sh gy-dk gy with trace of grn

4150

Ls wh, fn xln, micro-ool, fr interool pores

Ls wh-cr-tan, fn xln, pr-fr xln por, dns in pt, foss

95% Ls wh-cr, some chalky, some pr-fr xln por, some dns, foss to abund foss

Sh gy

Ls wh-cr, fn xln, abund chalky, abund pr xln por, foss

4200

Sh gy-dk gy

Ls cr-tan-brn, fn xln, dns, foss

Sh red-brn-gy-grn, silty in pt to siltstone

Ls wh-cr-pl gy, fn xln, dns in pt, pr xln por in pt, scatt small calcite patches, foss

4250

Sh gy-blk

[Oread]

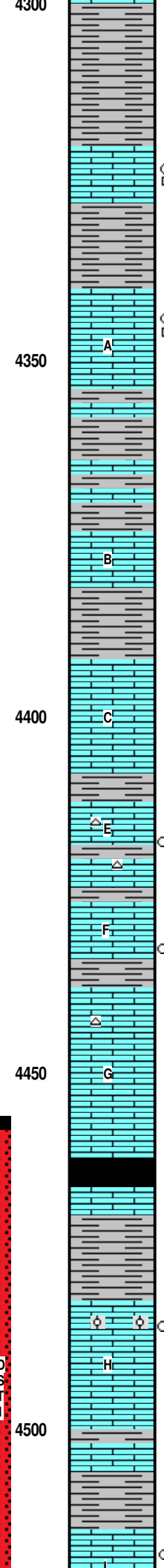
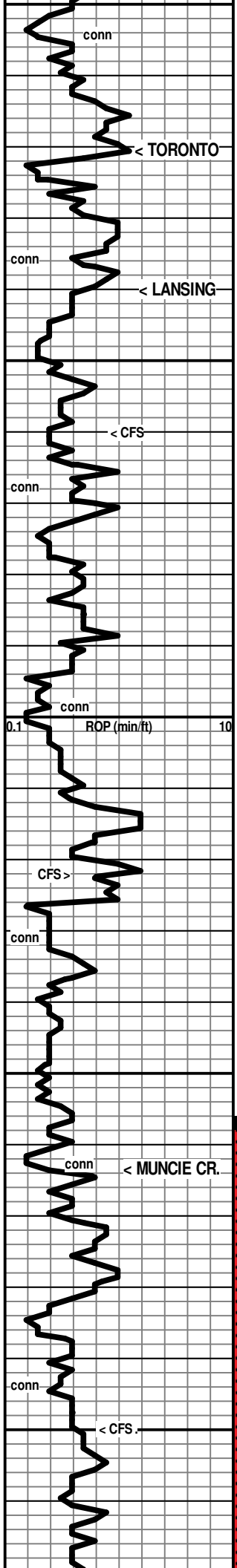
Ls cr, fn xln, pr-fr xln por with abund pp pores, foss

Ls wh-cr, chalky in pt, pr xln por to dns in pt, foss

<----- 4284 (-822)

Sh black, carb (trace in 4290' spl, trace in 4300' spl, more abund in 4310' spl)

Ls cr, fn xln, dns, foss in pt



Mix of siltstone, red-gy-grm; shale gy,red, blk, Ls pr xln por to dns

Sh red, gy-grmish, silty in pt (washes pale red)

<----- 4320 (-858)

Ls wh-cr, fn xln, pr vis xln por, scatt pp pores, subchalky in pt, foss

[No Odor, No Fluor, mod am't pcs with dk spotty Stn, Mostly dead irregular flakey oil on brk, Rr pcs with micro-drops of dk brn NVL oil on brk]

Sh red-gy-grm (washes red)

<----- 4340 (-878)

Ls wh-cr, fn xln, abund chalky-subchalky, abund pr xln por, some dns, foss

[No Odor, No fluor, few pcs per tray with spotty dk brn-blk resid/gilson stn, NSFO]

Mix of: Ls wh-cr, fn xln, chalky to dns, sli foss in pt; & Sh red with some subwaxy grn (washes sli red)

Ls wh-cr, fn xln, subchalky in pt, dns in pt, grainy text in pt, sli foss in pt

Sh red, gy, purple, grn (washes red)

Ls wh-cr, fn xln, subchalky to chalky in pt, dns to pr xln por in pt, v sli foss

Ls cr-pl gy, fn xln, grainy text in pt, pr xln por to dns

Sh red (washes pl red)

Ls cr-gy, fn xln, dns, chalky to Rr pr vis xln por, chert: fresh, cr-or, opaq, Rr sm vugs

[No Odor, No fluor, few pcs per tray with dk brn-blk spotty stn, mostly resid tarry DO - with trace of micro drops of tan NVL to FO on crush in three pcs]

Ls wh, fn xln, pr xln por, foss

[No Odor, No fluor, few pcs with dk brn-blk spotty stn, NSFO]

Sh gy-red-grm

Ls wh-cr, fn xln, some chalky, abund dns to pr xln por, foss, chert: fresh, wh-cr, subtransl-opaq, foss

Ls wh-cr, fn xln, chalky in pt, pr xln por to dns in pt, foss in pt

<----- 4463 (-1001)

Sh gy-dk gy-black, carb in pt

Ls cr-tan, fn xln, dns

Sh red-gy

Ls wh-cr, fn xln, some pr-fr xln por, some chalky, some dns, scatt pp pores, foss, ool in pt

[No Odor, few pcs per tray with dull fluor & brn spotty stn, with trace-v sli shows of DO, NVL & FO on crush]

Ls wh-cr, fn xln, dns, sli foss in pt

Sh gy-red-grmish gy, dk red, purple, some Ls white-cr-brn fn xln,

Ls wh-cr, fnxln, chalky in pt, pr vis xln por to dns in pt, foss

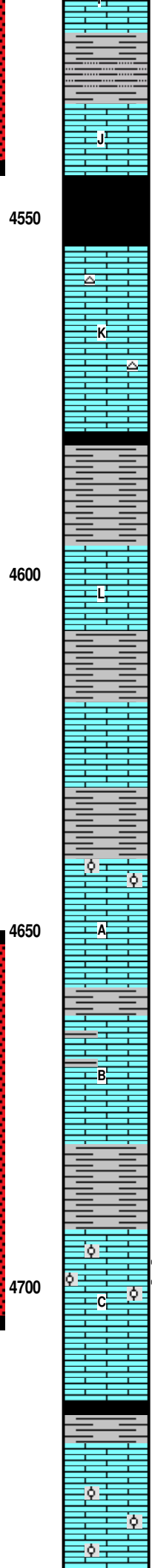
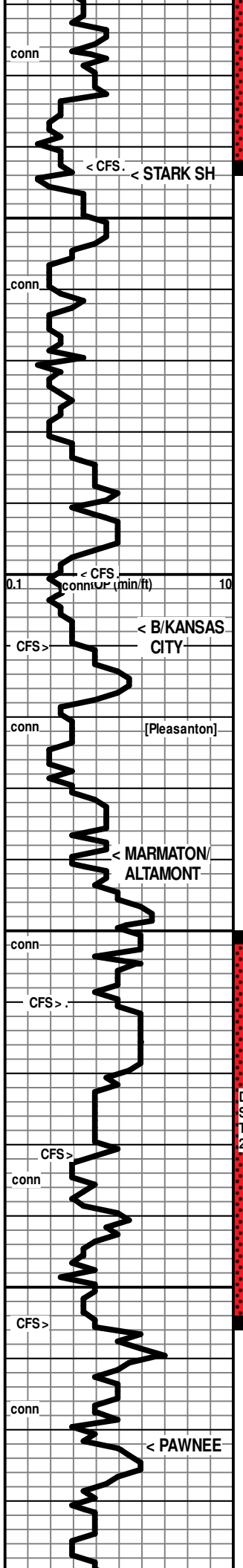
[No Odor, few pcs with dull spotty fluor & with brn

DST #1: 4456-4543 (LKC H,I,J)  
 Times: 30-45-60-60  
 Initial Open: Wk Blow, built to 4" i.b.  
 Final Open: Wk Blow, built to 2-1/4" i.b.  
 Rec: 154' Total Fluid  
 1' Oil  
 30' WCM: 20%w 80%m  
 123' MCW: 60%w40%m  
 (Chl Wtr 25000 ppm)  
 IHP: 2285 FHP: 2194  
 IFP: 24-62 FFP: 71-95  
 ISIP: 1279 FSIP: 1251  
 BHT: 127°F

7:00 AM, February 11, 2020

Mud Check: Drlg @ 4510'

Vis	Wt	WL	PV	YP
53	9.3	8.8	13	15
Chl Hd	pH	LCM	Solids	
6000	20	11.0	1	6.8



spotty stn, trace shows of NVL & FO micro-drops]

Sh gy-red-grn-purple, shaley siltstone-silty shale in pt

Ls wh-cr, fn xln, scatt pr vis xln por, with scatt pp pores & widely scatt sm vugs, chalky in pt, foss, scatt pyrite patches

← Show Descr. →  
4546 (-1084)

Sh black, carb

Ls wh-cr, fn xln, chalky in pt, pr xln por in pt, dns in pt, foss, scatt specks & patches of pyrite, foss, trace of fresh chert

Ls wh-cr, fn xln, pr xln por with mod am't of pp pores & interfoss pores, foss-abund foss

Sh black, carb in pt, gy-dk gy in pt

Sh gy-grn-ish-red, silty in pt

Ls wh-cr-tan, fn xln, chalky in pt, dns to pr xln por in pt, Rr pcs with fr xln por, foss

← 4607 (-1145)

Sh gy-red-grn-ish gy

Ls wh-cr, fn xln, pr xln por in pt, scatt vugs, chalky in pt, dns in pt, foss

[No Odor, No fluor, low % pcs with spotty to patchy black stn of flakey resid oil to dead hvy tarry oil, NSFO]

Sh gy-red-brn, silty in pt

← 4639 (-1177)

Ls wh-cr-tan, vfn-fn xln, chalky in pt, dns in pt, Rr scatt pr xln por, foss in pt, ool in pt (fine, well-cem)

Show Descr. →

Ls cr-gy,vfn-fn xln, dns, some subargil text in pt

Ls argil in pt to lime shale, silty, scatt pyrite, gy-dk gy

Ls wh-cr-gy, vfn-fn xln, mostly dns, some chalky, Rr v pr xln por, foss

Sh gy-grn-red, silty in pt (washes red)

Ls wh-cr,fn xln, dns in pt, pr xln por in pt, scatt pp pores, Rr sm vugs, chalky in pt, foss, ool in pt with mod am't of scatt interool pores

Show Descr. →

Ls cr-pl gy, vfn-fn xln, dns, subgrainy text in pt

Sh black & carb in pt, gy-grn in pt

← 4722 (-1260)

Ls wh-cr-tan-gy, chalky in pt, silty text in pt, fn xln, dns

Ls wh-cr-tan, fn xln, some chalky, mostly dns, abund foss & ool (well cem)

[J zn: No Odor, Scatt v. dull fluor, Low % pcs with spotty-patchy brn-dk brn stn, with trace to sli shows of heavier NVL dk brn oil & slightly lighter brn FO on crush, with trace of gas bubbles in some pcs]

7:00 AM, February 12, 2020

Mud Check: Drlg @ 4627'

Vis	Wt	WL	PV	YP
50	9.3	7.2	14	17
Chl	Hd	pH	LCM	Solids
6600	40	11.0	1	6.7

[T/Marm A: No Odor, No fluor, a few pcs with blk hvy tarry-resid stn, NSFO, ?from Pleasanton?]

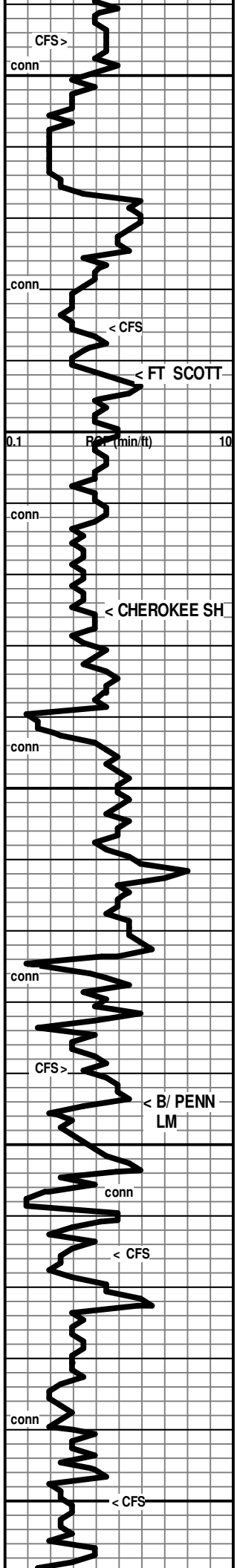
DST #2: 4651-4705 (Altamont B,C)  
 Times: 30-30-30-30  
 Initial Open: Wk Blow, built to steady 1"  
 Final Open: No Blow  
 Rec: 5' mud  
 IHP: 2418 FHP: 2349  
 IFP: 21-20 FFP: 18-20  
 ISIP: 20 FSIP: 22  
 BHT: 120°F

[Alt C: V Fnt Odor, some dull-mod fluor, abund am't of pcs with brn-dk brn spotty to patchy stn, on crush a mix of: sli-mod shows with some pcs with gd shows of: lt brn-dk brn FO-gassy in pt, dk brn NVL oil in pt, and black tarry oil in pt, In dry spls: some patchy-even lt brn-brn stn, few pcs with sat dk stn]

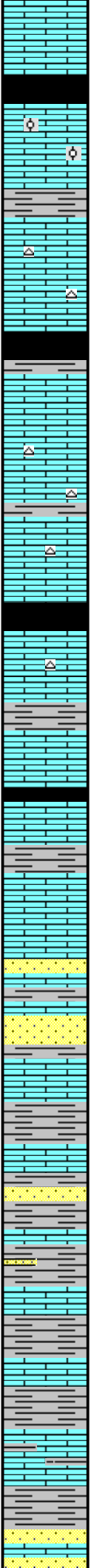
7:00 AM, February 13, 2020

Mud Check: CFS @ 4745'  
 Vis Wt WL PV YP  
 52 9.5 8.0 17 13  
 Chl Hd pH LCM Solids  
 6200 60 11.0 1 8.1

\* Add Premix!



4750  
 4800  
 4850  
 4900  
 4950



Ls cr-tan, fn xln, dns, fos

Sh black, carb

Ls wh-cr-tan, fn xln, chalky in pt, pr xln por in pt, dns in pt, foss, ool in pt (well cem) (washes pl white)

Sh gy

Ls cr-tan-gy, vfn-fn xln, dns, foss-abund foss

Ls wh-cr-gy, fn xln, mostly dns, some chalky, foss, chert: fresh, subtransl, spiculitic in pt, scatt dk shale partings

Sh black, carb  
 ← 4792 (-1330)

Ls wh-cr-tan-brn, vfn-fn xln, mostly dns & hard, some soft & chalky, sli foss in pt

Ls cr-tan, fn xln, dns, foss, chert: fresh, tan, subtr, spic

Ls cr-tan, fn xln, dns, foss, chert: fresh, tan, spic in pt

← 4825 (-1363)  
 Sh black, carb

Mix of: Shales gy-grn-red, silty in pt with shaley siltstone; Ls wh-cr-tan, fn xln, chalky and soft in pt, dns & hard in pt, foss, chert: fresh, tan, subtransl

Ls wh-cr-pl gy, vfn-fn xln, mostly dns, some chalky, foss

Sh black-gy-grn

Mix of: Ls wh-cr-tan, vfn-fn xln, dns & hard in pt, soft & chalky in pt, foss; Shales gy-grn-black

Ls cr-tan, vfn-fn xln, dns, scatt sm transl calcite patches, foss in pt, chert: fresh, tan-orange, transl, foss in pt, some loose pyr in spls

4889' Spl & CFS: Mix of: Ls cr-tan, fn xln, dns, foss, chert: fresh, cr-tan-orange, transl; Shale gy-grn; Sd wh-glassy, fn gm (175u-250u), fr-gd sort, subrd with some sub anglr, cem in pt, fr-gd fri, fr-gd intergmrlr por, mostly rd-subrd clusters with some sharp clusters, some glauc stn'd cemented clusters

← 4894 (-1432)  
 Sh pl gm-grn, sdy in pt, silty in pt

4915' spl: mostly Ls wh-cr-tan, fn xln, dns, some subchalky-chalky, foss  
 4915' 20-min spl: abund turq gm shale, subwaxy-subsilty, sdy in pt, some yellow shale  
 4915' 40-min spl: Abund red-grn-yell shales, subwaxy to sdy-subsilty; trace of sd, wh-glassy-gm, fn gm, gd sort, subrd-subang, cem in pt  
 4920' spl as above (washes red)

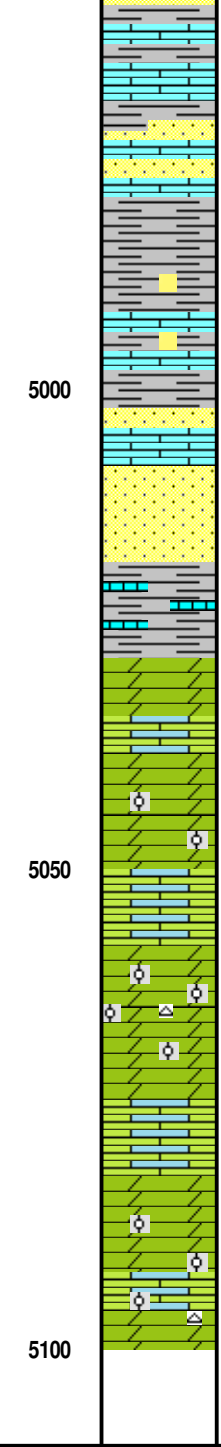
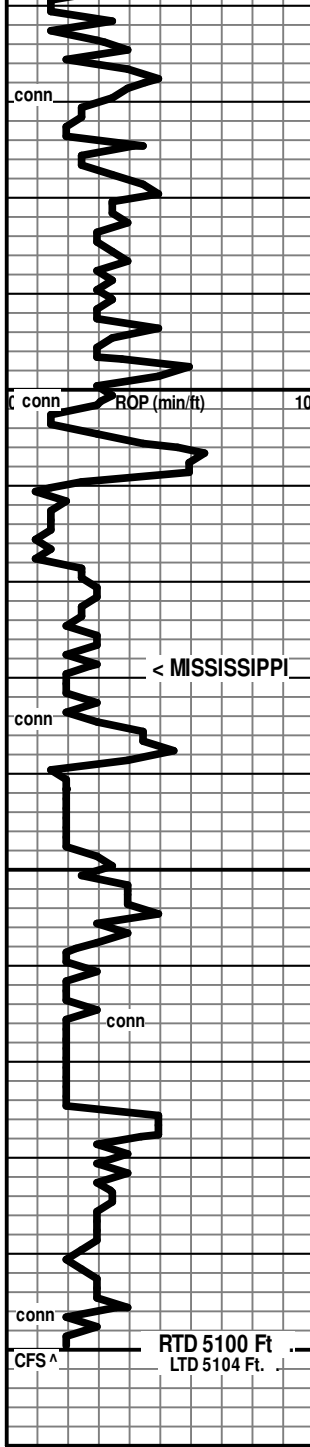
Mix of: Shales red-gy-grn, subwaxy to silty; Ls abund mushy white, some dns & hard fn xln, foss

Mix of: Shales red-grn-yell-gy, subwaxy in pt; Ls wh-cr-tan, chalky & mushy in pt, dns & hard in pt, foss in pt

Ls cr-tan-gy, vnf-fn xln, dns, foss in pt

Mix of: Sh gy-grn-turq, sdy in pt, subwaxy in pt; Sd gy-grn, fn gm, subrd, gd sort, shaley in pt, glauc in pt; Ls wh-cr, fn xln, subchalky to dns, foss





Ls wh-cr, fn xln, mostly dns & hard, some softer & chalky, foss

Sd gy-glassy, fn gm, subrd-subanglr, fn-md grn, pr-fr-gd sort, calc in pt, shaley in pt, some sdy ls

Sh gy-grn-yell, subwaxy-subsilty

Shales: red-gy-grn-yell, soft to subwaxy-subsilty, sdy in pt; Ls wh-cr, much soft-mushy, chalky; Sd a few sand clusters in spls, fn gm, gd sort, subrd, some sharp, some pyrite

Sh gy-grn-red-yellow, with Ls as above & some sd clusters as above, shaley and gy in pt

← 5029 (-1567)

Dol cr-tan, fn xln subsucrosict-sucr, pr-fr xln por, scatt vugs and oom, ool in pt, grainy/sdy text in pt (first arrival in 5040' spl, arrived in abundance)

Dol cr-tan, fn xln subsucrosict-sucr, pr-fr xln por, scatt vugs and oom, ool in pt, grainy/sdy text in pt, some limey and dns

Dol cr-tan, fn xln subsucrosict-sucr, pr-fr xln por, scatt vugs, abund very ool, some oom, grainy/sdy text in pt, trace of fresh chert

Dol Ls cr-tan-gy-dk gy, fn xln, subsucr, dns to pr xln por, silty in pt

Do cr-tan-gy-dk gy, fn xln, sucr, pr-fr xln por, scatt pp pores & sm vugs, abund packed ool in pt, chert: fresh, transl, some loosepyr in spls

Mud Check: Drlg @ 5015'

Vis	Wt	WL	PV	YP
57	9.4	8.8	14	18
Chl	Hd	pH	LCM	Solids
5500	40	10.5	2	7.5

7:00 AM, February 14, 2020

RTD, 5100 Ft. Reached at 10.50 AM, February 14, 2020