

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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	MURPHY 1-31
Doc ID	1632795

Tops

Name	Top	Datum
Anhydrite	2670	379
B/Anhydrite	2700	349
Heebner	4030	-991
Lansing	4076	-1027
Muncie Crk	4201	-1152
Stark	4284	-1235
BKC	4346	-1297
Marmaton	4372	-1223
Ft Scott	4525	-1476
Cherokee	4555	-1506
Mississippi	4632	-1583



CEMENT TREATMENT REPORT

Customer:	Brito Oil Co	Well:	Murphy# 1-31	Ticket:	WP-2422
City, State:	Oakley KS	County:	Thomas KS	Date:	2/15/2022
Field Rep:	Doug Roberts	S-T-R:	31-8S-31W	Service:	PTA

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4715 ft
Casing Size:	in
Casing Depth:	ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	51.0 bbls

Calculated Slurry - Lead	
Blend:	H-Plug
Weight:	13.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.42 ft ³ / sx
Annular Bbls / Ft.:	0.0406 bbs / ft.
Depth:	2680 ft
Annular Volume:	108.8 bbls
Excess:	
Total Slurry:	64.4 bbls
Total Sacks:	255 sx

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

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
4:00a			-	-	Arrival
4:05a				-	Safety meeting
4:10a				-	Rig up
7:58a	4.5	80.0	5.0	5.0	H2O ahead
8:00a	4.0	60.0	12.6	17.6	Mixed 50 sks @ 13.8 ppg @ 2680'
8:04a	6.1	270.0	33.6	51.2	Displaced H2O
8:15a				51.2	Pull pipe to 1740'
8:53a	4.8	220.0	5.0	56.2	H2O ahead
8:55a	5.0	360.0	25.2	81.4	Mixed 100 sks @ 13.8 ppg @ 1740'
9:01a	4.5	130.0	15.9	97.3	Displaced H2O
9:10a				97.3	Pull pipe to 380'
9:58a	5.0	240.0	5.0		H2O ahead
10:00a	5.0	250.0	12.6		Mixed 50 sks @ 13.8 ppg @ 380'
10:03a	5.0	240.0	1.5		Displaced H2O
10:08a					Pull pipe to surface
11:05a	3.0	120.0	1.6		Mixed 10 sks @ 13.8 ppg @ 40'
11:11a	3.0	120.0	3.7		Mixed 15 sks @ 13.8 ppg @ Mouse hole
11:18a	3.0	120.0	7.5		Mixed 30 sks @ 13.8 ppg @ Rat hole
11:20a					Plug down
11:22a					Wash up
11:27a					Rig down
12:00a					Depart location

CREW			UNIT	SUMMARY		
Cementer:	Jesse J		78	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Michael R		230	4.4 bpm	184 psi	129 bbls
Bulk #1:	Tommy		194/235			
Bulk #2:						



DRILL STEM TEST REPORT

Prepared For: **Brito Oil Company Inc**

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

ATTN: Brad Rine

Murphy #1-31

31-8s-31w Thomas,KS

Start Date: 2022.02.11 @ 00:15:00

End Date: 2022.02.11 @ 06:27:00

Job Ticket #: 68569 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.02.16 @ 08:06:15

Brito Oil Company Inc

31-8s-31w Thomas,KS

Murphy #1-31

DST # 1

Toronto - LKC A

2022.02.11



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

31-8s-31w Thomas, KS
Murphy #1-31
 Job Ticket: 68569 **DST#: 1**
 Test Start: 2022.02.11 @ 00:15:00

GENERAL INFORMATION:

Formation: **Toronto - LKC A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:20:45
 Time Test Ended: 06:27:00
 Interval: **4036.00 ft (KB) To 4085.00 ft (KB) (TVD)**
 Total Depth: 4085.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Nathan Aneas
 Unit No: 71
 Reference Elevations: 3049.00 ft (KB)
 3039.00 ft (CF)
 KB to GR/CF: 10.00 ft

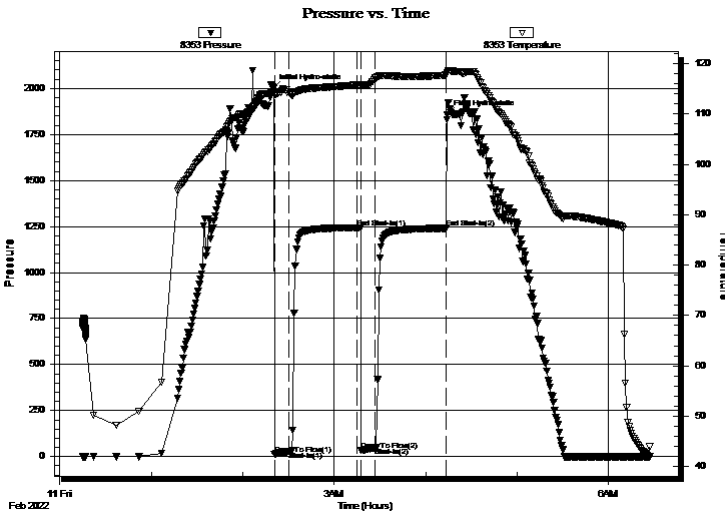
Serial #: 8353

Inside

Press@RunDepth: 47.47 psig @ 4037.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.02.11 End Date: 2022.02.11 Last Calib.: 2022.02.11
 Start Time: 00:15:01 End Time: 06:27:00 Time On Btm: 2022.02.11 @ 02:20:00
 Time Off Btm: 2022.02.11 @ 04:14:00

TEST COMMENT: 10:IF- Weak surface blow , built to 1/2" in 5 min, final blow is 1 1/4"
 45:IS- No blow back
 10:FF- Weak surface blow in 10 min
 45:FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.96	114.34	Initial Hydro-static
1	13.78	113.86	Open To Flow (1)
10	27.49	114.38	Shut-In(1)
55	1244.06	115.77	End Shut-In(1)
58	33.13	115.61	Open To Flow (2)
67	47.47	117.14	Shut-In(2)
114	1240.77	117.71	End Shut-In(2)
114	1855.14	118.09	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
58.00	Mud 100%M	0.29

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brito Oil Company Inc

31-8s-31w Thomas,KS

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

Murphy #1-31

Job Ticket: 68569

DST#: 1

ATTN: Brad Rine

Test Start: 2022.02.11 @ 00:15:00

Tool Information

Drill Pipe:	Length: 3910.00 ft	Diameter: 3.80 inches	Volume: 54.85 bbl	Tool Weight: 20000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 116.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4036.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4021.00	
Hydraulic tool	5.00			4026.00	
Packer	5.00			4031.00	20.00 Bottom Of Top Packer
Packer	5.00			4036.00	
Stubb	1.00			4037.00	
Recorder	0.00	8353	Inside	4037.00	
Recorder	0.00	8676	Outside	4037.00	
Perforations	12.00			4049.00	
Change Over Sub	1.00			4050.00	
Blank Spacing	31.00			4081.00	
Change Over Sub	1.00			4082.00	
Bullnose	3.00			4085.00	49.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brito Oil Company Inc

31-8s-31w Thomas,KS

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

Murphy #1-31

Job Ticket: 68569

DST#: 1

ATTN: Brad Rine

Test Start: 2022.02.11 @ 00:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
58.00	Mud 100%M	0.285

Total Length: 58.00 ft Total Volume: 0.285 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

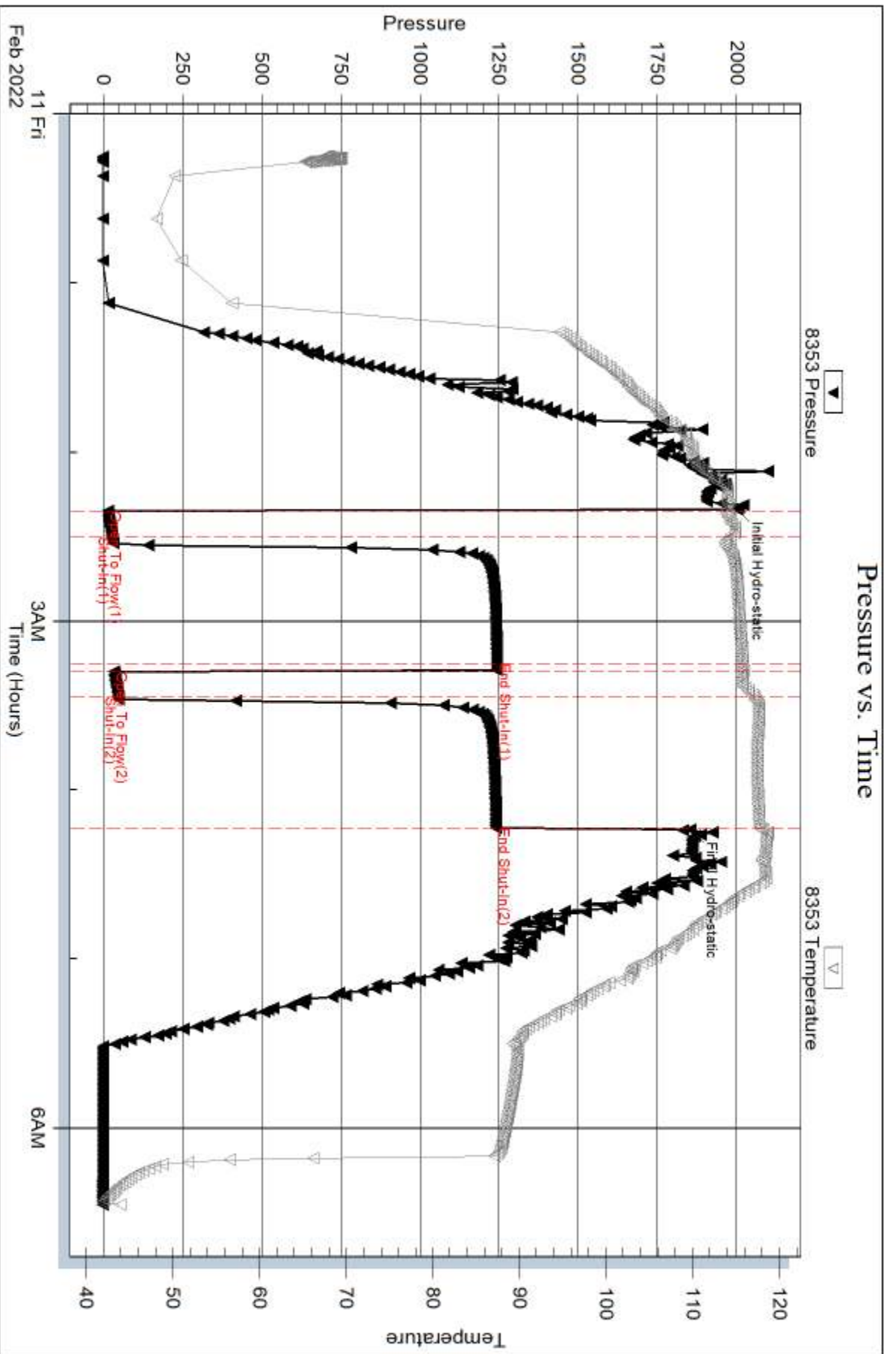
Serial #: 8353

Inside

Brio Oil Company Inc

Murphy #1-31

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68569

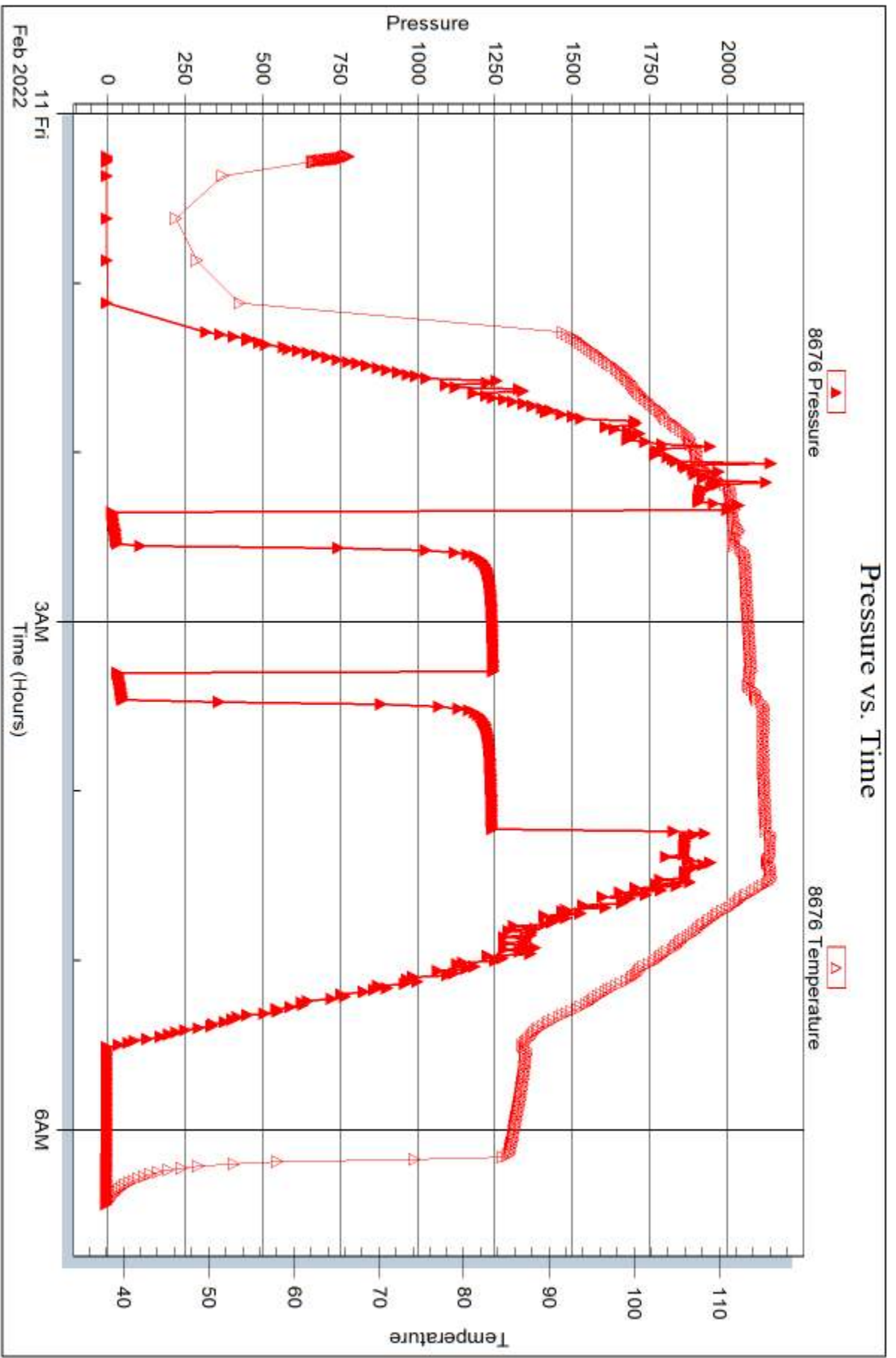
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Serial #: 8676

Outside Brito Oil Company Inc

Murphy #1-31

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68569

Printed: 2022.02.16 @ 08:06:15



DRILL STEM TEST REPORT

Prepared For: **Brito Oil Company Inc**

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

ATTN: Brad Rine

Murphy #1-31

31-8s-31w Thomas,KS

Start Date: 2022.02.11 @ 16:45:00

End Date: 2022.02.11 @ 22:37:00

Job Ticket #: 68570 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.02.16 @ 08:05:34



**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

31-8s-31w Thomas, KS
Murphy #1-31
Job Ticket: 68570 **DST#: 2**
Test Start: 2022.02.11 @ 16:45:00

GENERAL INFORMATION:

Formation: **LKC C - D**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 19:02:15
 Tester: Nathan Aneas
 Time Test Ended: 22:37:00
 Unit No: 71
 Interval: **4096.00 ft (KB) To 4135.00 ft (KB) (TVD)**
 Reference Elevations: 3049.00 ft (KB)
 Total Depth: 4135.00 ft (KB) (TVD)
 3039.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 10.00 ft

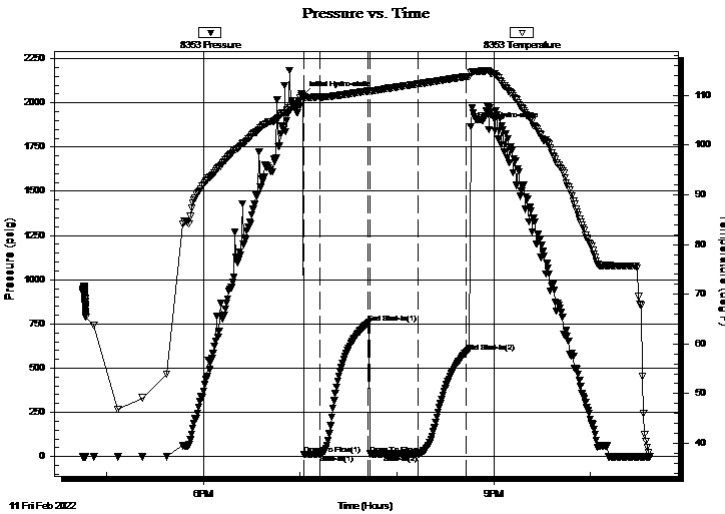
Serial #: 8353

Inside

Press@RunDepth: 15.78 psig @ 4097.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.02.11 End Date: 2022.02.11 Last Calib.: 2022.02.11
 Start Time: 16:45:01 End Time: 22:37:00 Time On Btm: 2022.02.11 @ 19:01:30
 Time Off Btm: 2022.02.11 @ 20:45:45

TEST COMMENT: 10:IF- Weak surface blow , built to 1/2" in 5 min, final blow is 3/4"
 30:IS- No blow back
 30:FF- No blow
 30:FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.55	110.04	Initial Hydro-static
1	13.25	109.64	Open To Flow (1)
11	13.70	109.70	Shut-In(1)
41	753.86	110.90	End Shut-In(1)
42	15.38	110.85	Open To Flow (2)
72	15.78	112.31	Shut-In(2)
102	591.02	113.79	End Shut-In(2)
105	1866.98	114.62	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

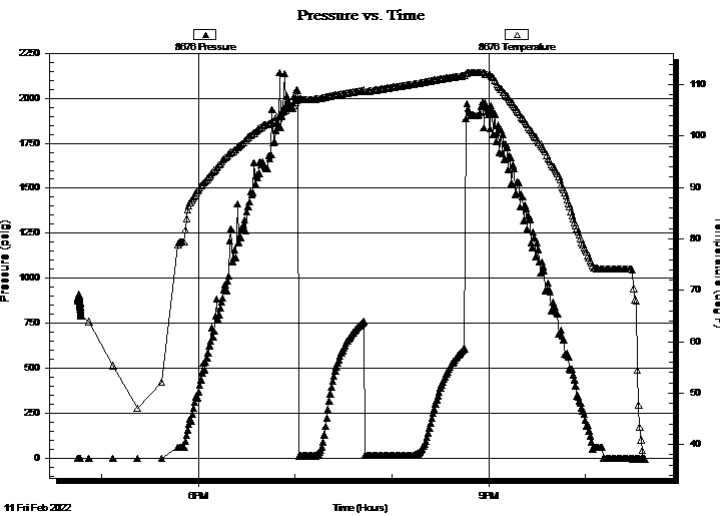
31-8s-31w Thomas, KS
Murphy #1-31
 Job Ticket: 68570 **DST#: 2**
 Test Start: 2022.02.11 @ 16:45:00

GENERAL INFORMATION:

Formation: **LKC C - D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:02:15
 Time Test Ended: 22:37:00
 Interval: **4096.00 ft (KB) To 4135.00 ft (KB) (TVD)**
 Total Depth: 4135.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Nathan Aneas
 Unit No: 71
 Reference Elevations: 3049.00 ft (KB)
 3039.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8676 Outside
 Press@RunDepth: psig @ 4097.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.02.11 End Date: 2022.02.11 Last Calib.: 2022.02.11
 Start Time: 16:45:01 End Time: 22:37:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: 10:IF- Weak surface blow , built to 1/2" in 5 min, final blow is 3/4"
 30:IS- No blow back
 30:FF- No blow
 30:FS- No blow back



PRESSURE SUMMARY

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

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

TOOL DIAGRAM

Brito Oil Company Inc

31-8s-31w Thomas,KS

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

Murphy #1-31

Job Ticket: 68570

DST#: 2

ATTN: Brad Rine

Test Start: 2022.02.11 @ 16:45:00

Tool Information

Drill Pipe:	Length: 3968.00 ft	Diameter: 3.80 inches	Volume: 55.66 bbl	Tool Weight:	20000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 116.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4096.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4081.00	
Hydraulic tool	5.00			4086.00	
Packer	5.00			4091.00	20.00 Bottom Of Top Packer
Packer	5.00			4096.00	
Stubb	1.00			4097.00	
Recorder	0.00	8353	Inside	4097.00	
Recorder	0.00	8676	Outside	4097.00	
Perforations	35.00			4132.00	
Bullnose	3.00			4135.00	39.00 Bottom Packers & Anchor
Total Tool Length:	59.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brito Oil Company Inc

31-8s-31w Thomas,KS

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

Murphy #1-31

Job Ticket: 68570

DST#: 2

ATTN: Brad Rine

Test Start: 2022.02.11 @ 16:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 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

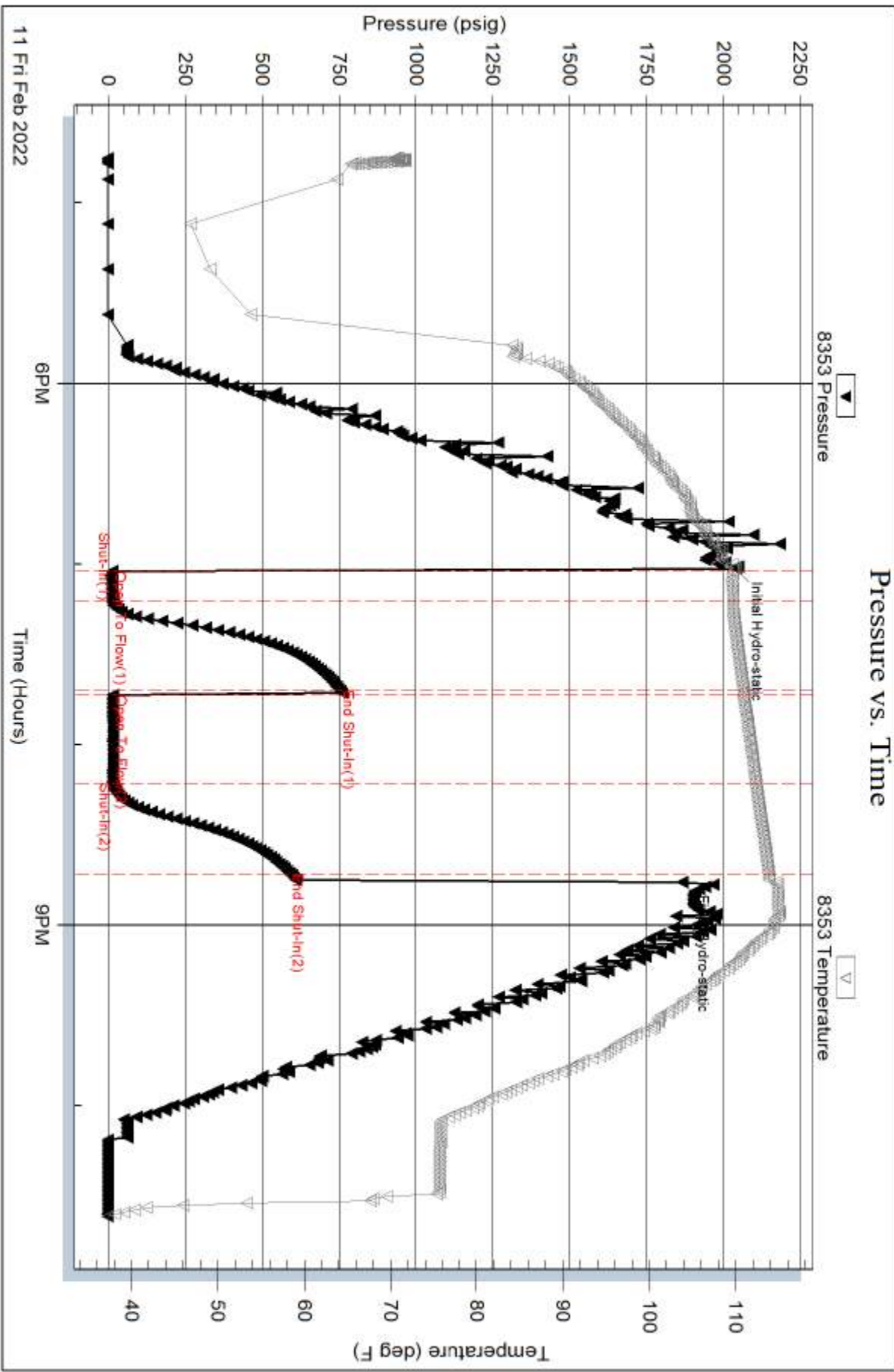
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

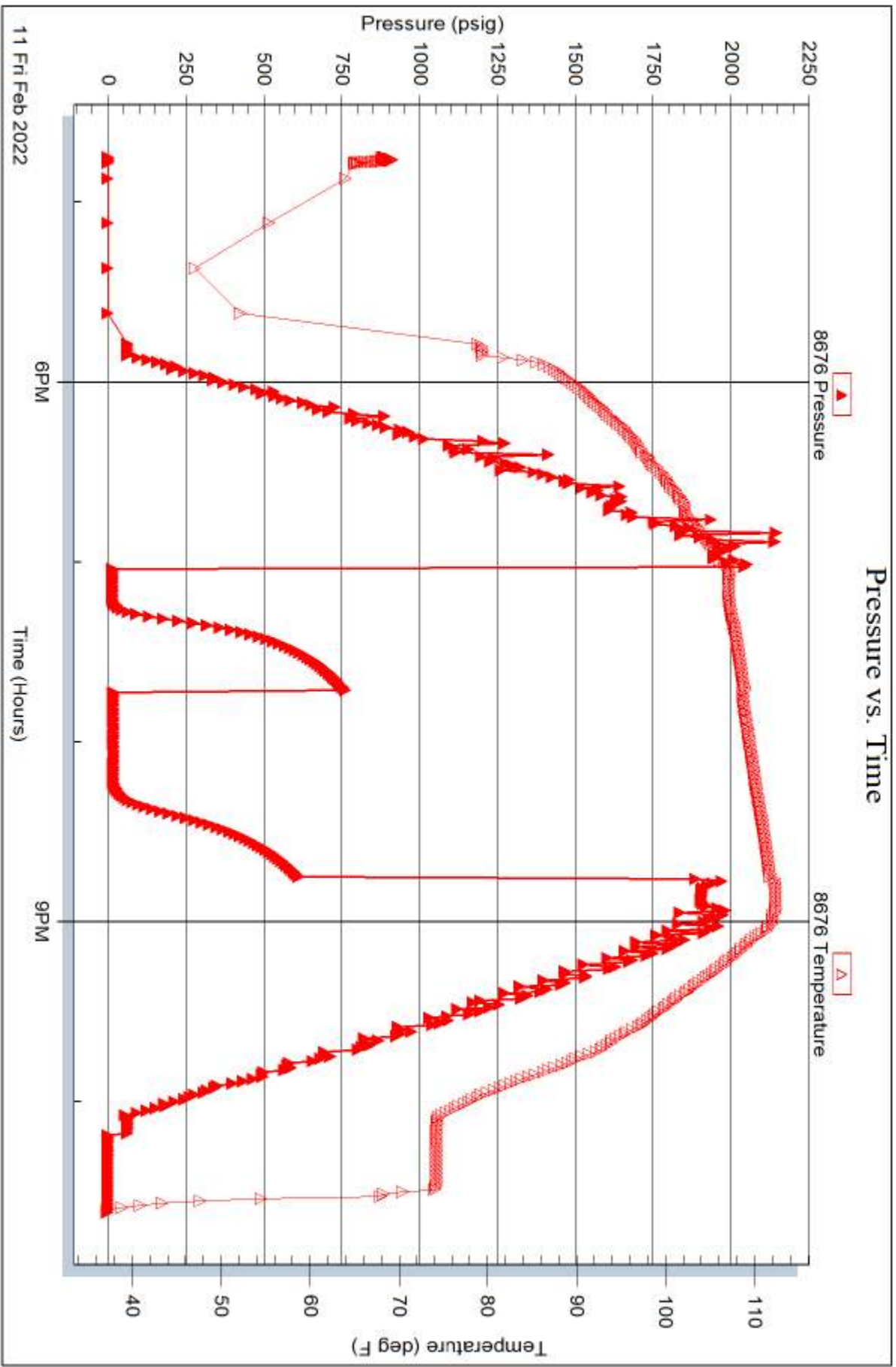


Serial #: 8676

Outside Brito Oil Company Inc

Murphy #1-31

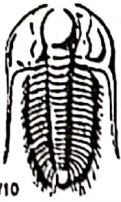
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68570

Printed: 2022.02.16 @ 08:05:36



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68569

Well Name & No. Murphy 1-31 Test No. 1 Date 2/10/22
 Company Brito Oil Company Inc Elevation 3049 KB 3039 GL
 Address 800 E 22nd St N, STE 600-R Wichita, KS 67226
 Co. Rep / Geo. Brad Rine Rig Southwind #8
 Location: Sec. 31 Twp 8s Rge. 31w Co. Thomas State KS

Interval Tested 4036 - 4085 Zone Tested Toronto, Lens A
 Anchor Length 49 Drill Pipe Run 3910 Mud Wt. 9.0
 Top Packer Depth 4031 Drill Collars Run 116 Vis 54
 Bottom Packer Depth 4036 Wt. Pipe Run _____ WL 7.2
 Total Depth 4085 Chlorides 2300 ppm System LCM 2

Blow Description IF - Weak surface blow, built to 1/2 inch in 5 min, Final blow is 1 1/4 inch
ISI - No blow back
FF - Weak surface blow in 10 min
PSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>58</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 58 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1999 Test 1450 T-On Location 22:00
 (B) First Initial Flow 14 Jars _____ T-Started 00:15
 (C) First Final Flow 27 Safety Joint _____ T-Open 02:20
 (D) Initial Shut-In 1244 Circ Sub _____ T-Pulled 04:15
 (E) Second Initial Flow 33 Hourly Standby _____ T-Out 06:15
 (F) Second Final Flow 47 Mileage 94 RT 117.50 Comments Hotel
 (G) Final Shut-In 1241 Sampler _____
 (H) Final Hydrostatic 1855 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 10
 Initial Shut-In 45
 Final Flow 10
 Final Shut-In 45

Sub Total 1567.50 Sub Total 0
 Total 1567.50 MP/DST Disc 1

Approved By _____ 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

NO. 68570

Well Name & No. Murphy 1-31 Test No. 2 Date 2/11/22
 Company Brito Oil Company Inc Elevation 3049 KB 3039 GL
 Address 8100 E 22nd St N, Ste 600-R Wichita, KS 67226
 Co. Rep / Geo. Brad Rine Rig Southwind #8
 Location: Sec. 31 Twp 8s Rge. 31w Co. Thomas State KS

Interval Tested 4096 - 4135 Zone Tested Lans C, D
 Anchor Length 39 Drill Pipe Run 3968 Mud Wt. 9.1
 Top Packer Depth 4091 Drill Collars Run 116 Vis 54
 Bottom Packer Depth 4096 Wt. Pipe Run _____ WL 6.4
 Total Depth 4135 Chlorides 3000 ppm System LCM 2

Blow Description IF-Weak surface blow, built to 1/2 inch in 5 min, Final blow is 3/4
ISI-No blow back
FF-No blow
PSI-No blow back

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 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2041 Test 1450 T-On Location 15:00
 (B) First Initial Flow 13 Jars _____ T-Started 16:45
 (C) First Final Flow 14 Safety Joint _____ T-Open 19:02
 (D) Initial Shut-In 754 Circ Sub _____ T-Pulled 20:31
 (E) Second Initial Flow 15 Hourly Standby _____ T-Out 22:15
 (F) Second Final Flow 16 Mileage 94 RT X 2 ²³⁵ Comments Hotel / Pickeed
 (G) Final Shut-In 591 Sampler _____ up tools @ 02:00 am
 (H) Final Hydrostatic 1867 Straddle _____ 2/15/22

Initial Open 10 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby 3d 3.75h
 Accessibility _____ Sub Total 2400
 Sub Total 1685 Total 4085
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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

Well Name: Murphy #1-31 - Brito Oil Company, Inc.
API: 15-193-21101-00-00
Location: NW-NE-SW-SE Section 31-08S-31W
License Number: KCC #4629
Spud Date: February 05, 2022
Surface Coordinates: 1300' FSL & 1850' FEL,
of Section
Bottom Hole Vertical Wellbore
Coordinates:
Ground Elevation (ft): 3039 Ft. K.B. Elevation (ft): 3049 Ft.
Logged Interval (ft): 3800 Ft. To: 4715 Ft. Total Depth (ft): RTD 4715 Ft. LTD 4716 Ft.
Formation: Mississippian at Total Depth
Type of Drilling Fluid: Chemical

Region: Thomas Co., Kansas
Drilling Completed: February 15, 2022
Results: D & A
Field: Unnamed

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

Operator

Company: Brito Oil Company, Inc.
Address: 8100 East 22nd St. 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 "Murphy #1-31", on February 15, 2022.

Respectfully submitted,
M. Bradford Rine, geologist

Drilling Information

Rig: Southwind #8
Pump: Emsco D-375 6x14
Drawworks: RMI 550
Collars: 465' 2-1/4" x 6-1/4"
Drillpipe: 4-1/2" 16.6# XH
Toolpusher: Doug Roberts

Mud: Mudco (Reid Atkins)
Gas Detector: None
Drill Stem Tests: Trilobite (Nathan Aneas)
Logs: Midwest (D. Schmidt)
Water: Water Well/pump SW of Lease (NA)
Company Representatives:
Office: Raul Brito
Field: None

Daily Drilling Status

Date:	Operations/Depth/Comments
02-05-22	MIRT, RU, Spud @ 0'
02-06-22	Trip for Surface Casing @ 290'
02-07-22	Drilling @ 1005'
02-08-22	Drilling @ 2600'
02-09-22	Drilling @ 3435'
02-10-22	Drilling @ 3900'
02-11-22	Trip in Hole with Bit @ 4085'
02-12-22	Drilling @ 4185'
02-13-22	Circulating for Samples @ 4470'
02-14-22	Circulating for Samples @ 4625'
02-15-22	Prepare to Plug @ 4715', plug down at 11:30 AM

	Results: D&A			(Well A) D&A		Well A
	Brito Oil Co., Inc.			LD Drilling, Inc.		
	Murphy #1-31			#1-31 Murphy		
	1300'FSL & 1850'FEL			1831'FNL & 1826'FEL		
	Sec. 31-08S-31W			Sec. 31-08S-31W		
	KB 3049			KB 3058		
Formations	Sample	E-Log	Datum	E-Log	Datum	Comp
Anhydrite	2667	2670	379	2682	376	3
B/Anhydrite	2699	2700	349	2713	345	4
Tarkio	NC	3706	-657	3718	-660	3
Topeka	3837	3837	-788	3846	-788	0
Heebner Sh	4037	4039	-990	4048	-990	0
Toronto	4061	4062	-1013	4070	-1012	-1
Lansing	4077	4076	-1027	4084	-1026	-1
Muncie Creek Sh	4200	4201	-1152	4207	-1149	-3
Stark Sh.	4282	4284	-1235	4290	-1232	-3
B/Kansas City	4345	4346	-1297	4350	-1292	-5
Marmaton	4370	4373	-1324	4372	-1314	-10
Pawnee	4462	4462	-1413	4466	-1408	-5
Ft. Scott	4526	4526	-1477	4532	-1474	-3
Cherokee Sh	4556	4555	-1506	4562	-1504	-2
Cherokee Sd/Cgl	4617	4616	-1567	4628	-1570	3
Mississippian	4634	4632	-1583	4642	-1584	1
Total Depth	4715	4716	-1667	4732	-1674	7

Casing Record, Bit Record, Deviation Surveys

CASING:

Conductor: None

Surface: Ran 8 joints 8-5/8" 23# casing, set at 330'. (Hurricane) Cement with 200 sx Common, 2% gel 3% CC. Plug down @ 1:45 PM, February 06, 2022. Cement did circulate.

Production: Plug well, as follows: (Hurricane) 255 sx Total 60/40 POZ, 4% gel, 1/4# flo seal. 50sx @ 2680', 100sx @ 1740', 50sx @ 380', 10sx @ 40', 30sx in RH, 15sx in MH. Plug down @ 11:30 AM, February 15, 2022.

BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4		Milltooth	0	290	02.50
2	12-1/4		Milltooth	290	330	01.50
3	7-7/8		PDC	333	3308	32.25
4	7-7/8	JZ	HA23X	3308	4570	30.25
5	7-7/8	JZ	Rr	4570	4715	09.25

DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
0.75*	333'	1.00*	4570'
1.00*	4085'	0.25*	4715'

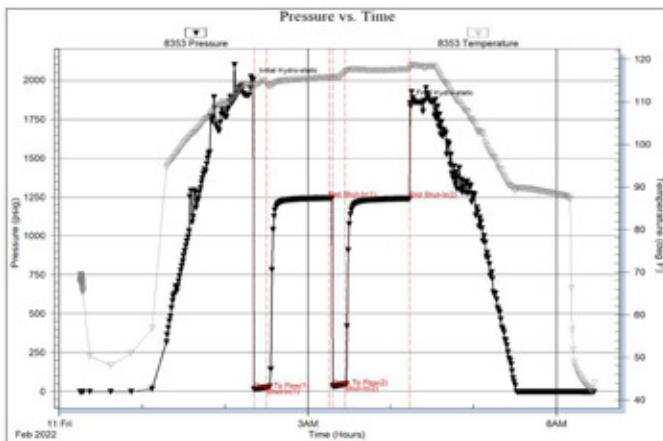
PIPE STRAPS:

Difference:	Depth:
4.31' long	4085'

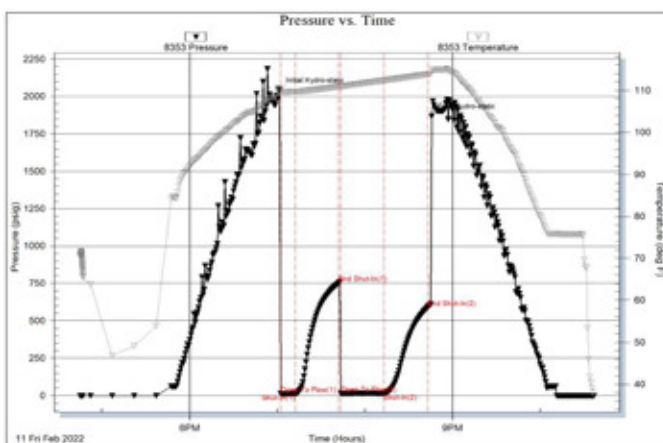
MUD UP:

Displace: 3419'
Mud up: 3435'

DST #1: 4036-4085 (Toronto, Lans A)
Times: 10-45-10-45
Initial Open: Wk Blow, built to 1.25" i.b.
Final Open: Built to Wk surf blow in 10 min
Rec: 58' mud
IHP: 1999 FHP: 1855
IFP: 14-27 FFP: 33-47
ISIP: 1244 FSIP: 1241
BHT: 118°F



DST #2: 4096-4135 (Lans C, D)
Times: 10-30-30-30
Initial Open: Wk blow, built to 3/4" i.b.
Final Open: No blow
Rec: 5' mud
IHP: 2041 FHP: 1867
IFP: 13-14 FFP: 15-16
ISIP: 754 FSIP: 591
BHT: 114°F



< ANHYDRITE

2667 (+382)

Anhydrite Interval: based on drill time only!

< B/ANHYDRITE

2700

2699 (+350)

<<< Depth Change >>>

Displace and Mudup:
3419'-3435'!

ROP (min/ft)

3800

conn

Ls wh-cr-pl gy, fn xln, pr xln por, ool in pt (fn size, well cem to interool pores); 15% Sh gy-red

< TOPEKA

3837 (-788)

Ls wh-cr,fn xln, some pr xln pr, some chalky, foss; 15% red-gy-gn shale (washes red)

[No Odor, No Fluor, scatt black gilson/asph stn]

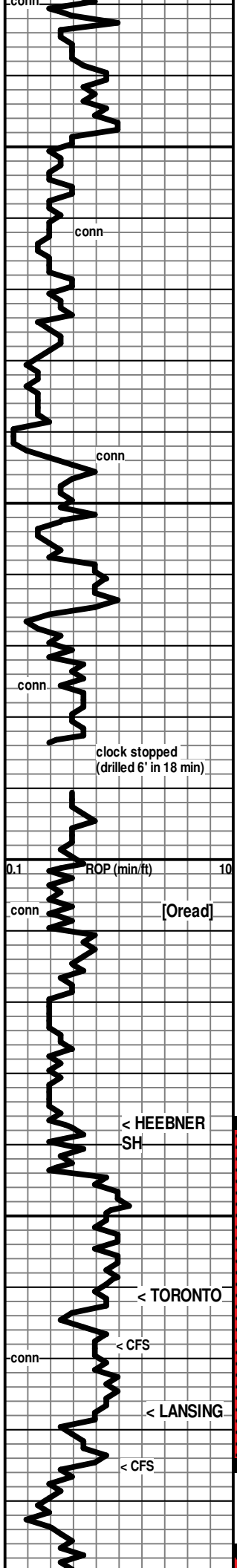
3850

conn

Ls wh-cr, fn xln, dns to pr xln por, ool in pt, silty text in pt, foss; 05% Sh red-gy (washes sli red)

Ls wh-cr, fn xln, pr xln por, foss; Tr of red-gy-gm shale

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



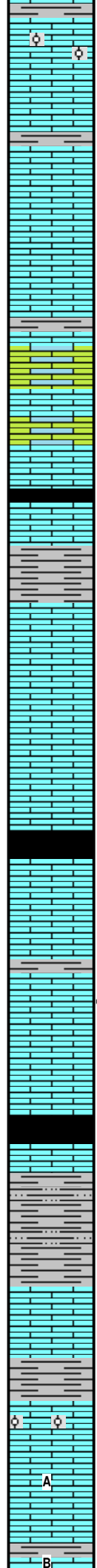
3900

3950

4000

4050

4100



Ls cr-gy, fn xln, pr vis xln por, micro-ool in pt with scatt interool pores; 05% Sh gy-black

Ls wh-cr, fn xln, pr-fr xln por in pt, chalky in pt, foss, some grainy text; 05% Sh gy-gmish

Mix of Ls & Dol, wh-cr-lt tan, fn xln, ls pr xln por to chalky, Dol, cr-lt tan, fn xln, sucr text, pr-fr xln por

Ls cr-tan-gy, fn xln, pr-fr xln por in pt, silty/sucr text in pt, foss in pt; 05% Sh gy-gmish

3990' spl: Ls wh-cr,fn xln, scatt pr xln por and interfoss pp pores, foss; 20% Shale, red-gy-gmish-black

[No Odor, No fluor, scatt pores filled with black dead asph/gilson stn]

Ls cr-gy, fn xln, pr xln por to dns, foss in pt; trace of shale

Sh black, carb, poorly repres in spls

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

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

[No Odor, No fluor, Rrr secks of blk gilsdead stn]

← 4037 (-988)
Sh black, carb (well repres in 4050' spl)

Ls cr, fn xln, pr vis xln por

Sh reddish-gy-gmish, silty in pt

Sh gy with some mushy wh calc. silty in pt

← 4061 (-1012)

Ls wh-cr, fn xln, subchalky in pt, mostly pr xln por to dns in pt with scatt pp pores, scatt sm vugs, foss

Show Descr. →

Sh red-gy-pl gm

← 4077 (-1028)

Ls cr, fn xln, pr vis xln por with scatt patches of pp pores, foss, ool in pt with some interool pores

Show Descr. →

Ls wh-cr, fn xln, chalky in pt, pr-fr xln por in pt, foss
[No Odor, No fluor, trace of dk stn, NSFO, Possibly from above?]

Sh dk red-gy
Ls wh-cr, fn xln, dns

7:00 AM, February 10, 2022

Mud Check, Drlg @ 3998':

Vis	Wt	WL	PV	YP
54	9.0	7.2	16	15
Chl	Hd	LCM	Solids	
2300	20	2	4.5	

DST #1: 4036-4085 (Toronto, Lans A)
Times: 10-45-10-45
Initial Open: Wk Blow, built to 1.25" i.b.
Final Open: Built to Wk surf blow at 10 min
Rec: 58' mud
IHP: 1999 FHP: 1855
IFP: 14-27 FFP: 33-47
ISIP: 1244 FSIP: 1241
BHT: 118°F

[Mild Odor, scatt dull spotty fluor, Abund pcs with brn spotty-patchy-One pc even stn, blk-dk brn-brn stn with sli-fr shows of dk DO-brn-dk brn NVL oil & FO, sli gassy in pt]

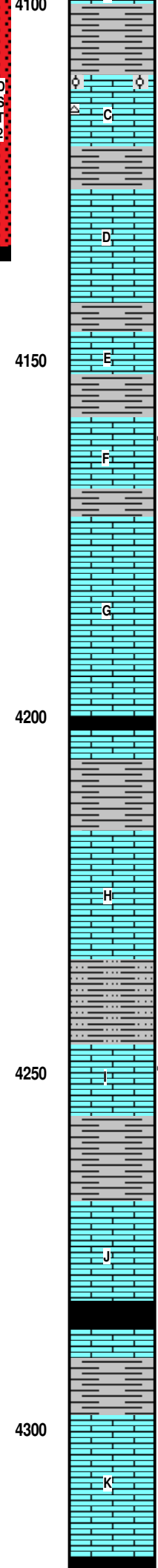
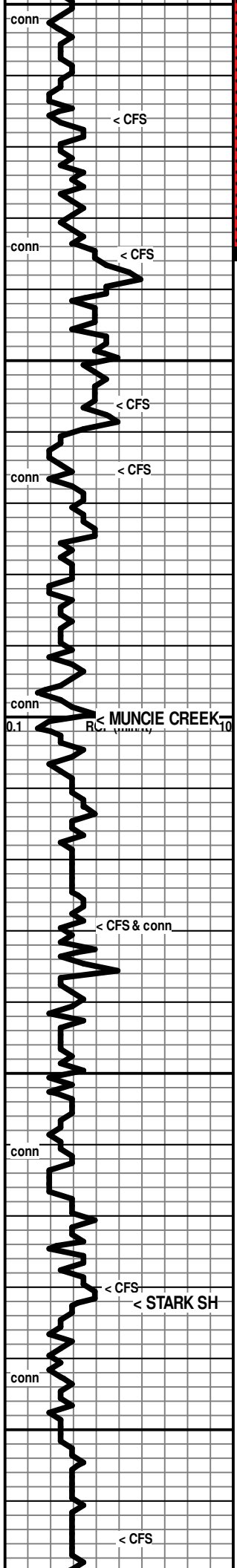
[V Fnt Odor, Rr spotty dull fluor, mod am't of pcs with dk brn-blk spotty & patchy stn with mix of blk tarry DO-dk brn NVL oil and brn FO, v sli gassy]

7:00 AM, February 11, 2022

Pipe Strap @ 4085':
4.31' long to board!

Mud Check, TIH/Bit @ 4085':

Vis	Wt	WL	PV	YP
54	9.1	6.4	15	15



Sh red-gy-dk gy (washes red)

Ls wh-cr, fn xln, chalky in pt, pr vis xln por in pt, scatt pp pores & sm vugs, tr of chert, foss, ool in pt

Show Descr. —————>

Ls wh, fn xln, dns to chalky

Sh red-gy-grn

Ls wh-cr, fn xln, abund dns, some pr xln por, widely scatt pp pores, foss (becomes more dns with depth)

[Fnt Odor, No fluor, Low % pcs with spotty blk-dk stn, with trace-sli shows of blk DO, dk NVL oil & brn FO, v sli gassy in pt]

Ls wh-cr, vfn-fn xln, dns

* Drlg Spls from after dst 2 to 4156 are of little value due to catching errors?

Sh gy-grn

Ls wh-cr, fn xln, subchalky in pt, dns in greater pt

[No Odor, No fluor, NSFO, few pcs with spots of blk flakey DO]

Ls wh-cr, chalky & soft in pt, pr vis xln por in pt with scatt pp pores & sm vugs, sli foss in pt

[No Odor, No fluor, low % pcs with spotty dk stn, trace-sli shows of mostly dk Hvy DO & NVL oil, with Rare brn FO on crush]

Sh gy-dk gy

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

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

[4200 ft spl had a few pcs with vugs with thick hvy DO, possibly from F zn?]

←————— 4200 (-1151)

Sh black, carb (sli repres in 4210' spl, abund in 4220' spl)

Ls cr, fn xln, dns-pr xln por, foss

Sh gy-grmish

Ls wh-cr-tan, fn xln, subchalky in pt, dns to pr xln por, foss to abund foss (some weath'd to gy)

[No Odor, No fluor, Rr spots of dk hvy stn, NSFO]

Ls wh-cr-tan, fn xln, dns, foss-abund foss

Silty Sh to Shaley Siltstone gy-grn

Ls wh-cr, fn xln, subchalky with pr vis xln por in pt

[No Odor, No fluor, low % pcs with spotty brn stn, with trace-sli shows of micro-drops FO on crush, some v sli gassy]

Sh mostly red, some gy-grmish (washes red)

Ls wh-cr-pl gy, fn xln, mostly dns, some pr xln por, some chalky, sli foss, scatt pyr patches

[No Odor, No fluor, v low % pcs with spotty blk-dk brn stn, found a few pcs with trace show of micro-drops of brn FO]

←————— 4282 (-1233)

Sh black, carb

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

Sh mostly gy-grn, some red, silty in pt

Ls wh-cr-tan, vnf-fn xln, mostly dns, some chalky, some scatt patches of pr xln por, foss in pt

[No Odor, No fluor, few pcs total with scant patches of spotty brn stn, NSFO]

Ls wh-cr-tan, vnf-fn xln, abund dns, abund chalky, some pr xln por, foss in pt

Chl Hd LCM Solids
3000 40 2 5.4

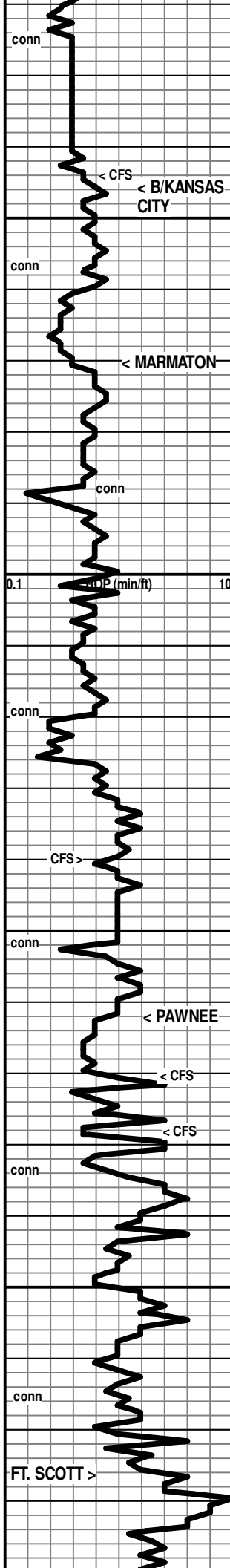
[Mod Odor, scatt dull patchy fluor, spotty-patchy brn-d brn stn, with mix of sli-fr-gd shows of brn-dk brn FO & NVL oil, thick in pt, sli gassy in pt on crush, some show of dk deadish oil]

DST #2: 4096-4135 (Lans C, D)
Times: 10-30-30-30
Initial Open: Wk blow, built to 3/4" i.b.
Final Open: No blow
Rec: 5' mud
IHP: 2041 FHP: 1867
IFP: 13-14 FFP: 15-16
ISIP: 754 FSIP: 591
BHT: 114°F

7:00 AM, February 12, 2022

Mud Check, Drlg @ 4215':

Vis	Wt	WL	PV	YP
57	9.1	7.2	16	17
Chl	Hd	LCM	Solids	
3200	60	2	5.3	



4350

4400

4450

4500



Sh black,carb

Ls cr-gy, fn xln,dns

Sh gy

Ls wh-cr-gy, v fn-fn xln, dns in pt, chalky in pt, Rr scatt sm barren vugs, foss

← 4345 (-1296)

Silty Sh & Sh grnish

4360' spl: 30% Sh & shaley Siltstone, gy-grn, some red Sh; 70% Ls cr-gy, fn xln, dns

Shaley Siltstone, red-wh-grnish (washes red)

← 4370 (-1321)

Ls wh-cr, vfn-fn xln, silty in pt, dns

Sh gy-grnish with some red streaking, silty in pt

Ls wh-cr-gy, vfn-fn xln, dns, no vis por

Sh red-gy-grnish (washes red)

4420' spl: 75% Ls wh-cr-gy, vfn-fn xln dns in pt, some soft & chalky; 25% Sh gy-red (washes reddish)

4430' spl: 75% Ls wh-cr-gy, vfn-fn xln dns in pt, abund soft & chalky to subchalky; 25% Sh red-gy-dk grnish gy

4440' spl: 90% Ls wh-cr-pl peach, vfn-fn xln, vitreous text in pt, scatt foss-mold por, some dol subsucr text; 10% Shales as above

4440' 20-min spl: Dol Ls vfn xln, subsucr, v hard, chert: cr-tan, fresh, transl, some softer silty text with depth

Sh pl gy, calc in pt, silty text in pt

Sh gy-black-grnish

← 4462 (-1413)

Ls wh-cr, vfn-fn xln, dns & hard to softer & subchalky, foss in pt, chert: fresh, wh, opa-q-transl

[No Odor, few pcs with patchy dull fluor, No vis show in white light]

Ls wh-cr, vfn-fn xln, dns, chalky in pt, Rr foss, abund fresh chert

4500' spl: 75% Sh dk gy-black, abund carb; 25% Ls, wh-cr-tan, vfn-fn xln, dns, sli foss in pt

Ls cr, fn xln, pr vis xln por to dns

Sh dk gy

Ls wh-cr-tan-gy, vfn-fnxln, mostly dns, some chalky, abund chert: fresh to grainy, gy, subopaq

Sh black, carb

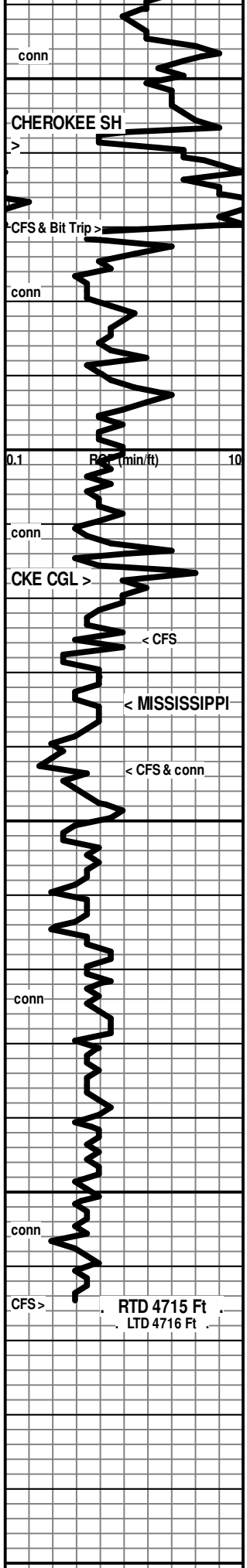
← 4526 (-1477)

Ls cr-tan, vfn-fnxln, dns, foss in pt, packed ool in pt-md to crs (mostly well cem with scatt interool pores), pcs difficult to crush

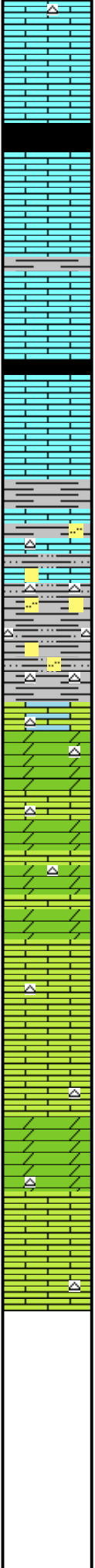
7:00 AM, February 13, 2022

Mud Check, Drlg @ 4481':

Vis	Wt	WL	PV	YP
63	9.1	8.0	17	18
Chl	Hd	LCM	Solids	
4000	80	1	5.3	



4550
4600
4650
4700
4750



4560' spl: 50% Ls cr-tan, vfn-fn xln,dns, foss; 50% Sh gy-grnsh-dk red-black carb

← 4556 (-1507)

4570' spl: 85% Sh red-gy-grn-black, earthy to silty (slough?); 15% Ls wh-cr-tan, vfn-fn xln, dns, foss

[No Odor, No fluor, Rr pcs with scant patches of spotty brn stn, NSFO]

Ls wh-cr, vfn-fn xln, dns, foss in pt (spl's still very shaley from bit trip)

Ls wh-cr, vfn-fn xln, dns, foss in pt (spl's still shaley from bit trip)

Sh black, carb

Ls wh-cr-tan, vfn-fn xln, mostly dns, some chalky

75% Ls wh-cr-tan, chalky in pt, mostly dns with widely scatt pp pores and sm vugs in dns pcs; 25% Sh gy-dk gy-grn

[No Odor, No fluor, in Rr pores: dk brn stn of thick dk tarry oil to thick hvy NVL oil on crush]

← 4617 (-1568)

Sh gy-grn-red-yellow, mushy to earthy, silty-sdy in pt; chert: fresh cr-orange, transl, ool in pt; a few Sd clusters and loose grms, subanglr-subrd, fr-gd sort, gd fri; a few pcs Ls tan-brn, vfn, dns, glauc, foss (washes red)

7:00 AM, February 14, 2022

← 4634 (-1585)

4643' spl: Mix of: Sh gy-grn-red-yell, silty-earthly-sdy; & Chert: fresh to grainy, wh-cr-or-salmon, transl-opaq

[No Odor, No fluor, scatt blk gilsonitic stn in some grainy chert, NSFO]

4643' CFS: abund shales & cherts as above; Ls & Dol Ls wh-cr-tan, fn xln, chalky in pt, dns in pt, pr xln por in pt, ool in pt; Dol, fnxln, pr-fr xln por, sucrosic text, pr to fr crush, some spiculitic chert

Ls & Dol Ls whcr-tan, fn xln, chalky to dns, some pr xln por, foss in pt, fresh chert

(high shale % in spl's)

Ls & Dol Ls whcr-tan, fn xln, chalky to dns, some pr xln por, foss in pt, fresh chert

Ls & Dol Ls & Dol wh-cr-gy-tan, fn xln, dns to pr xln por, sli foss in pt, cherty in pt

Ls & Dol Ls & Dol wh-cr-gy-tan, fn xln, dns to pr xln por, sli foss in pt, cherty in pt (poor spl's: fine & high shale%)

(Samples 85% Shales, red-gy-grn)

Ls & Dol Ls & Dol wh-cr-gy-tan, fn xln, dns to pr xln por, sli foss in pt, cherty in pt (poor spl's: fine & high shale%)

* Samples of no value. 98% Shales. Slough from up the hole. Working on the mud!

7:00 AM, February 14, 2022

Mud Check, Drlg @ 4650':

Vis	Wt	WL	PV	YP
55	9.2	8.0	15	16
Chl	Hd	LCM	Solids	
3400	60	1	5.8	

* Bit Trip @ 4570'

* Add Pre-mix!

RTD 4715 Ft., at 2:45 PM, February 14, 2022.

RTD 4715 Ft
LTD 4716 Ft

