

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) (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	Carmen Schmitt, Inc.
Well Name	FOUR BOYS 1-28
Doc ID	1465818

Tops

Name	Top	Datum
B/Anhydrite	3165	221
Topeka	4070	-684
Heebner	4209	-823
Lansing	4260	-874
Muncie Crk	4385	-999
Stark	4464	-1078
BKC	4536	-1150
Marmaton	4554	-1168
Pawnee	4648	-1262
Fort Scott	4704	-1318
Cherokee	4728	-1342
Mississippi	4948	-1562





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



# Invoice

DATE	INVOICE #
5/24/2019	32210

BILL TO
Carmen Schmitt, Inc. P. O. Box 47 915 Harrison Great Bend, KS 67530-0047

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-28	Four Boys	Cheyenne	Murfin Rig #3	Oil	Development	Cement Longstring	Blaine

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	120	Miles	5.00	600.00
578D-L	Pump Charge - Long String	1	Job	1,400.00	1,400.00
402-5	5 1/2" Centralizer	8	Each	75.00	600.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	325.00	325.00T
419-5	5 1/2" Rotating Head Rental	1	Each	250.00	250.00T
325	Standard Cement	200	Sacks	13.50	2,700.00T
284	Calseal	10	Sack(s)	40.00	400.00T
283	Salt	1,000	Lb(s)	0.25	250.00T
292	Halad 322	100	Lb(s)	8.50	850.00T
276	Flocele	50	Lb(s)	3.00	150.00T
290	D-Air	1	Gallon(s)	42.00	42.00T
281	Mud Flush	500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
581D	Service Charge Cement	200	Sacks	1.85	370.00
583D	Drayage	1,257	Ton Miles	0.95	1,194.15
	Subtotal				10,181.15
	Sales Tax Cheyenne County			8.50%	562.45

*7/10/43*  
*19/600.0128*  
*Well file*  
*Long String Cement*

**We Appreciate Your Business!**

**Total**

\$10,743.60





JOB LOG

SWIFT Services, Inc.

DATE 24 MAY 19 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Carmen Schardt		1-28		FOUR BOYS		Cement long string			
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
									200 sk EA-2 cement 2 1/4" floater 5 1/2" x 14" casing 4970' sheet 30.25' TD = 5000' Bshot #3 Centralizers 5, 7, 9, 10, 12, 14, 16, 18
	1130								on loc TRK 114
	1200								start 5 1/2" x 14" casing in well
	1400								drop ball - circulate - ROTATE
	1505		12				100		Pump 500 gal mud flush
			20				100		Pump 20 bbl KCL flush
			7						Plug RH - Mt 30 sk 20 sk
	1520	9	42				200		mix EA-2 cement 150 sk @ 15.3 ppm
									Drop latch down plug wash out pump's line
	1551	5 1/2	88				200 400		Displace plug
	1615	5	122				1450		Land plug
									Release pressure to truck - dried <sup>up</sup>
	1620								wash truck
									Rack up
	1700								job complete
									Thanks
									Blaine, Flint & Russ





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

Well Name: Four Boys #1-28 - Brito Oil Company, Inc.  
API: 15-023-21514-00-00  
Location: S2-N2-N2-SW, Section 28-04S-37W  
License Number: KCC #4629  
Spud Date: May 14, 2019  
Surface Coordinates: 2000' FSL & 1320' FWL,  
of Section  
Bottom Hole Vertical Wellbore  
Coordinates:  
Ground Elevation (ft): 3381 Ft. K.B. Elevation (ft): 3386 Ft.  
Logged Interval (ft): 3900 Ft. To: 5000 Ft. Total Depth (ft): RTD 5000 Ft. LTD 5000 Ft.  
Formation: Mississippian at Total Depth  
Type of Drilling Fluid: Chemical  
Region: Cheyenne Co., Ks  
Drilling Completed: May 24, 2019  
Results: Production Casing Set  
Field: Wildcat

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

Operator

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

Remarks

Based on sample observations, drill stem test results, and electric log evaluation, it was the decision of the Operator, to set production casing for further testing of the "Four Boys #1-28", on May 24, 2019.

Respectfully submitted,  
M. Bradford Rine, geologist

## Drilling Information

**Rig:** Murfin Drlg. Rig #3  
**Pump:** Emsco D-375 6x14  
**Drawworks:** Ideco H35  
**Collars:** 498' 2-1/4 x 6-1/4  
**Drillpipe:** 4-1/2" 16.6# XH  
**Toolpusher:** Jay Ruzicka

**Mud:** Mudco (Reid Atkins)  
**Gas Detector:** None  
**Drill Stem Tests:** Trilobite (Shawn Wheelbarger)  
**Logs:** Pioneer (J. Henrickson)  
**Water:** Water well southwest of location (pumped)  
**Company Representatives:**  
**Office:** Raul Brito  
**Field:** Matt Suchy

## Daily Drilling Status

<b>Date:</b>	<b>Operations/Depth/Comments</b>
05-13-19	MIRT @ 0'
05-14-19	MIRT, RU, Spud @ 0'
05-15-19	Waiting on Cement @ 337'
05-16-19	Drilling @ 1970'
05-17-19	Drilling @ 3250'
05-18-19	Drilling @ 3945'
05-19-19	Drop Survey, Trip Out for DST 1 @ 4280'
05-20-19	On Bottom with DST 2 @ 4388'
05-21-19	Drilling @ 4480'
05-22-19	Trip Out of Hole with DST #4 @ 4670'
05-23-19	Drilling @ 4862'
05-24-19	Trip in Hole with Drill String, Prepare to Run Casing

**Brito Oil Company, Inc.**  
**"Four Boys #1-28"**  
**Section 28-04S-37W**  
**Cheyenne County, Kansas**



	Results: Oil			(Well A)	Oil/P&A	(Well B)	D&A		
	Brito Oil Company			Snow Oil Company		JDP Corporation			
	Four Boys #1-28			Kernot #28-19		Briney Farms #33-33			
	2000'FSL & 1320'FWL			NE-SW-NE		C-NW-SE			
	Sec. 28-04S-37W			Sec. 28-04S-37W		Sec. 33-04S-37W			
	KB	3386	KB	3352	KB	3393	Well A	Well B	
Formations	Spl	E-Log	Datum	E-Log	Datum	E-Log	Datum	Comparison(s)	
Anhydrite	3129	3126	260	3108	244	3112	281	16	-21
B/Anhydrite	3168	3165	221	3146	206	3152	241	15	-20
Topeka	4072	4070	-684	4050	-698	4068	-675	14	-9
Heebner Sh.	4210	4209	-823	4192	-840	4206	-813	17	-10
Toronto	4221	4223	-837	4204	-852	4217	-824	15	-13
Lansing	4261	4260	-874	4242	-890	4260	-867	16	-7
Muncie Creek Sh.	4386	4385	-999	4372	-1020	4378	-985	21	-14
Stark Sh.	4465	4464	-1078	4452	-1100	4459	-1066	22	-12
B/Kansas City	4536	4536	-1150	4527	-1175	4532	-1139	25	-11
Marmaton	4556	4554	-1168	4545	-1193	4550	-1157	25	-11
Pawnee	4648	4648	-1262	4634	-1282	4642	-1249	20	-13
Myric Station	4686	4686	-1300	4675	-1323	4676	-1283	23	-17
Ft. Scott	4704	4704	-1318	4693	-1341	4694	-1301	23	-17
Cherokee Sh.	4729	4728	-1342	4717	-1365	4720	-1327	23	-15
Mississippian	4948	4948	-1562	NDE	NA	NDE	NA	NA	NA
Total Depth	5000	5000	-1614	4764	-1412	4769	-1376	-202	-238

## Casing Record, Bit Record, Deviation Surveys

### CASING:

Conductor: None

Surface: Ran 8 jts 8-5/8" 23# Casing. Tally 329', set @ 337'. (Hurricane) Cement with 250 sx common, 3% CC, 2% gel. Cement did circulate. Plug down at 11:45 PM, May 14, 2019.

Production: Ran 118jts. Of Midwestern Pipeworks, new 14# 5.5" casing 4970.02 FT. set at 4968ft. Tagged bottom w/ Jt 119 @ 1:45. Shoe jt. 30.25ft. Have baskets on Jt #3. Centralizers on 5,7,9,10,12,14,16,and 18 Jtcollars. Circulated on bottom for 1 hr. Swift Service's pumped 500 gal mud flush followed by 20bbls KCL flush. Plugged RH with 30 SKS and MH with 20 SKS. Mixed 150SKS. EA2 w/ 1/4% Floceal at 15 ppg. Washed pump up, dropped wiper plug @ 3:45 and displaced 120.5 BBLs. Landed plug w/1450 # @ 4:15. Set 5.5" in slips.

### BITS:

No.	Size	Make	Model	Depth In	Depth Out	Hours
1	12-1/4	HTC	TCIICP	0	337	3.75
2	7-7/8	Smith	MADI516	337	3803	50.00
3	7-7/8	Smith	F12Y	3803	5000	67.50

### DEVIATION SURVEYS:

Deviation:	Depth:	Deviation:	Depth:
0.50*	337'	0.25*	3211'
1.75*	1016'	1.00*	3803'
1.00*	1492'	0.75*	4280'
0.50*	2089'	misrun	4670'
0.25*	2680'	0.50*	5000'

### PIPE STRAPS:

Difference:	Depth:
0.50 ft	3803'

### DISPLACE & MUD UP:

Commence:	Complete:
3600'	3616'

**DST #1: 4207-4280 (Toronto, Lansing A)**

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

**Initial Open: Blow Dead Through out**

**Final Open: Blow Dead Through out**

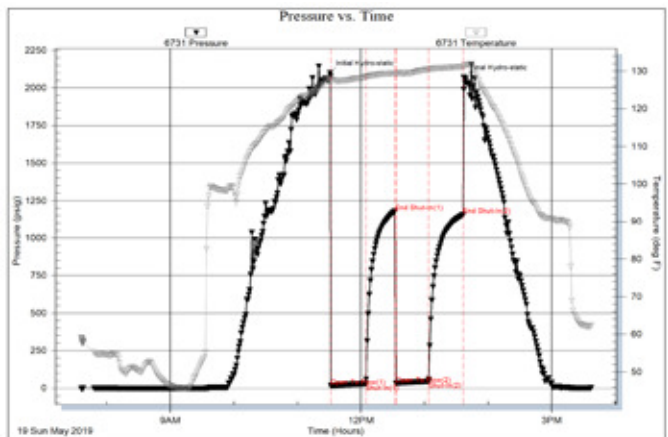
**Rec: 58' mud**

**IHP: 2099 FHP: 2068**

**IFP: 13-30 FFP: 31-45**

**ISIP: 1178 FSIP: 1157**

**BHT: 132°F**



**DST #2: 4316-4388 (Lsg C,E,F,G)**

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

**Initial Open: A few initial bubbles then died**

**Final Open: No Blow**

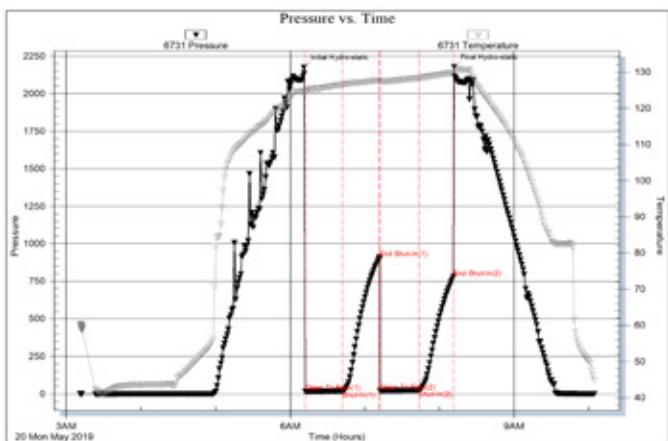
**Rec: 30' mud**

**IHP: 2173 FHP: 2176**

**IFP: 17-20 FFP: 21-25**

**ISIP: 908 FSIP: 778**

**BHT: 131°F**



**DST #3: 4383-4473 (LKC H,I,J)**

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

**Initial Open: Few initial surf bubbles, then died**

**Final Open: No Blow**

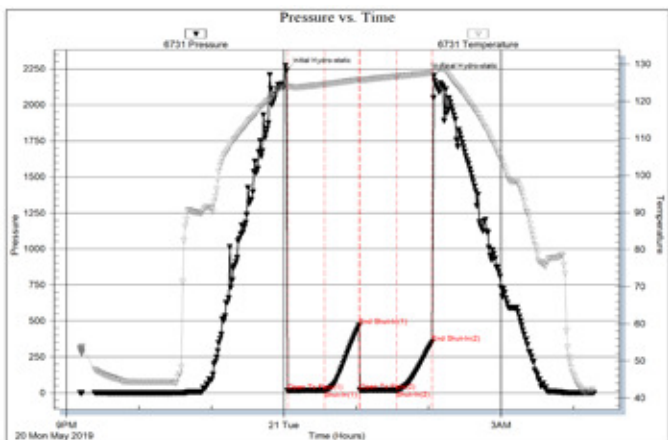
**Rec: 20' mud with oil spots**

**IHP: 2240 FHP: 2201**

**IFP: 14-17 FFP: 18-19**

**ISIP: 468 FSIP: 350**

**BHT: 130°F**



DST #4 : 4632-4670 (Pawnee)

Times: 30-45-60-60

Initial Open: Stg Blow, b.ob. 2 min, built to 128",  
return blow b.o.b. 5 min, built to 28"

Final Open: Stg Blow, b.o.b. 5 min, built to 92",  
return blow built to 8" i.b. died back to 5" i.b.

Rec: 1109' Total Fluid, 3751' gas in pipe

798' GCO: 15% g 85%o

311' GMCO: 38%g 85%o 17%m

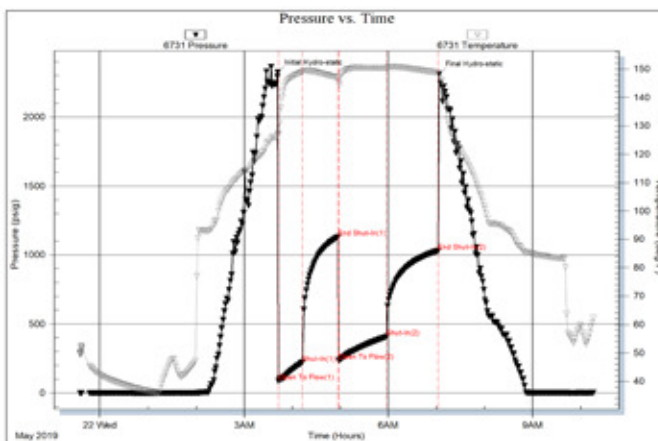
(Oil Gravity: 37\* API)

IHP: 2323 FHP: 2311


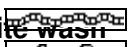




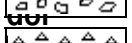

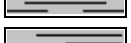
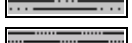

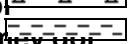

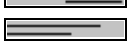
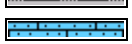
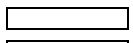
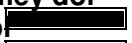





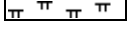




IFP: 87-221 FFP: 236-407

ISIP: 1130 FSIP: 1029
















































BHT: 148°F



### Rock Types

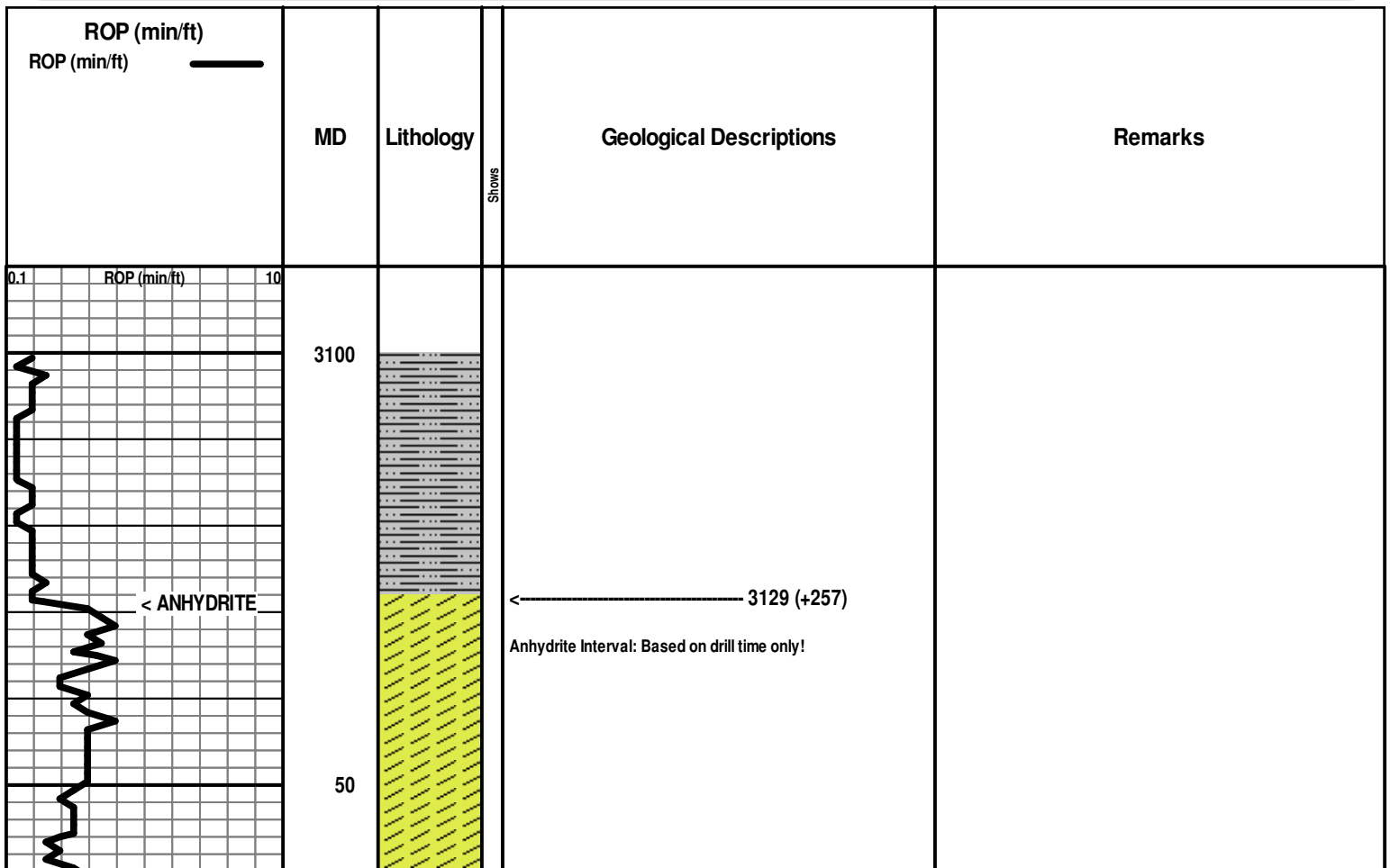
	Congl granite dol ls limey		Bent		Dol		Salt		Till
	New symbol		Brec		Gyp		Shale		Siltysh
	Dolom ls limey		Cht		Igne		Shcol		Shlysiltst
	New symbol		Clyst		Lmst		Shgy		Sandyls
	Anhy		Black shale		Meta		Siltst		
			Congl		Mrlst		Ss		

### Accessories

<b>MINERAL</b>		Gyp	<b>FOSSIL</b>		Ostra		Siltstrg
	Anhy		Hvymin		Pelec		Ssstrg
	Arggrn		Kaol		Pellet		
	Arg		Marl		Pisolite	<b>TEXTURE</b>	
	Bent		Minxl		Plant		Boundst
	Bit		Nodule		Strom		Chalky
	Brecfrag		Phos				Cryxln
	Calc		Pyr	<b>STRINGER</b>			Earthy
	Carb		Salt		Anhy		Finexln
	Chtdk		Sandy		Shale		Grainst
	Chtlt		Silt		Bent		Lithogr
	Dol		Sil		Coal		Microxln
	Feldspar		Sulphur		Dol		Mudst
	Ferrpel		Tuff		Gyp		Packst
	Ferr				Ls		Wackest
	Glau				Mrst		

### Other Symbols

<b>OIL SHOW</b>		Even		Dead	<b>INTERVAL</b>		Core
	Oil & gas show		Spotted		Gas		Dst
	Gas show		Trace or questionable				





< B/ANHYDRITE

3168 (+218)

\* Displace & Mud  
Up @ 3600'

Depth Break

<<<>>

\* Pipe Strap:  
0.50' long to board!

3900

conn

40% Ls wh-cr-gy, fn xln, grainy text in pt, pr xln pr in pt, foss;  
60% Shale & silty shale, gy-dk gy

3950

conn

50% Ls wh-cr-tan-gy, fn xln, pr xln pr to dns, foss; 50% Shale  
and silty shale, pl gy-gy with some red

75% Ls wh-cr, fn xln, pr-fr xln por, foss in pt, grainy text in pt;  
25% Shales red-gy

Mud Check: Drlg @ 3987':  
Vis Wt WL LCM PV YP  
58 8.8 6.4 3 18 15  
Chl Hd pH Solids  
1000 10 12.0 3.6

conn

90% Ls wh-cr, fn xln, pr-fr xln por, foss, grainy text in pt; 10%  
Sh red-gy

4000

0.1 ROP (min/ft) 10

75% Ls wh-cr, fn xln, chalky & soft in pt, pr xln por in pt, foss  
in pt; 25% Shale mostly pink-red-dk red, silty to earthy to  
mushy (washes red)

conn

90% Ls wh-cr, fn xln, chalky to pr xln por, foss in pt; 10%  
Shale red-gy-grn

4050

conn

60% Ls wh-cr, fn xln, chalky in pt, dns in pt, scatt patches of  
pr xln pr & pp pores; 40% Shale various reds (washes red)

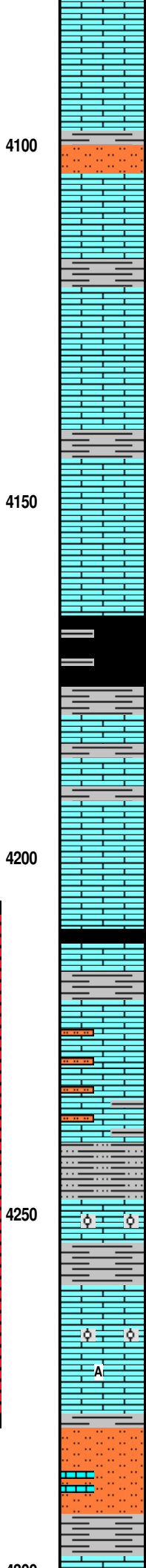
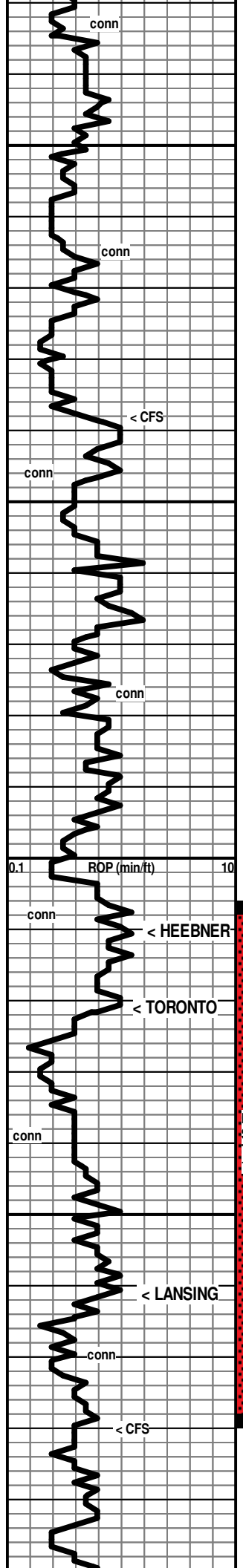
[No Odor, No Flour, low % pcs with scatt patches  
& spots of blk resid Stn, NSFO]

85% Ls wh-cr-pl gy, fn xln, dns in pt, pr-fr xln por in pt, some  
grainy to dolom text, foss in pt; 15% Shale gy-red-grn, earthy  
in pt, soft in pt (washes reddish)

< TOPEKA

4072 (-686)

Ls 95% Ls wh-cr, fn xln, pr-fr xln por, scatt foss pores and pp



pores, abund foss, some ool, some red clay filled pores & patches; 05% Shale red-gy

99% Ls wh-cr, fn xln, pr xln por with scatt patches of fr xln por, dns in pt, foss

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

75% Ls wh-cr, fn xln, dns in pt, scatt patches & pcs with pr xln por and pp pores, VRr sm vugs, foss; 25% Shale red to gy

[4120 & 4130 spls: No Odor, No Fluor, Mod am't of pcs with spotty-patchy black Stn, Mixed Sli-Fr shows of Blk Resid/Gilson. Stn to black Hvy/Tarry DO to Dk Brn Hvy NVL oil to some brn lighter FO]

Ls wh-cr, fn xln, abund chalky & soft, abund dns to pr xln por, some scatt pp pores, foss in pt

Ls wh-cr-pl gy, dns in pt pr-fr xln por in pt, scatt pp pores, foss, some subchalky-chalky, scatt crs calcite rhombs embedded

Ls wh-cr-tan-gy, fn xln, abund dns, some pr xln por, foss, some red-gy shales

4180' spl: 80% Shale dk gy-blk, carb in pt, subsilty-mic text in pt; 20% Ls cr-pl gy, fn xln, dns

Shales & silty shale, gy-grnish-dk gy, mixed with Ls cr-tan-gy, fn xln, dns

Ls wh-cr-gy, fn xln, some dolom-grainy text, pr xln por

[No Odor, No Fluor, Low % pcs with spotty black Resid/Gilson Stn, NSFO]

Sh gy-grnish gy-grn, silty in pt

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

Ls wh-cr, fn xln, dns to pr xln por

<----- 4210 (-824)

Sh black, carb

Sh gy

<----- 4221 (-835)

Ls wh-cr, silty, fn xln, fine grainy text in pt, pr xln por, pr gmlr por, foss in pt

[No Odor, No Fluor, Scatt spots and patches of blk resid/gilson Stn, NSFO]

Silty Ls to Siltstone wh-gy-grnish, vfn grn to fn xln, pr vis por, shaley in pt

Silty Shale red to grn, earthy to grny text

Ls wh-cr, fn xln, abund pr xln por, Rr pp pores, foss to ool in pt

Show Descr. ----->

Sh red to gy, silty in pt (waashes red)

<----- 4261 (-875)

Ls wh-cr, fn xln, abund pr xln por, Rr trace of pp pores foss, ool in pt with pr interool por

Show Descr. ----->

Ls wh-cr-pl gy, fn xln, mostly dns, some pr xln por, foss

Sh silty in pt, grn

Siltstone gy-grnish-reddish, Ls wh-cr, dns

Sh red, earthy to clay to silty text (washes pinkish)

Ls wh-cr, fn xln, pr xln por, scatt pp pores, ool in pt with pr

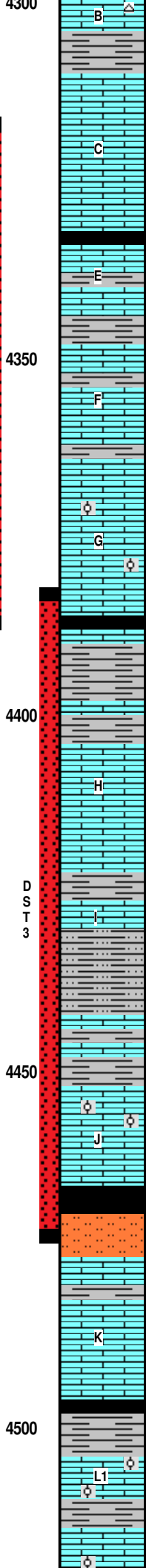
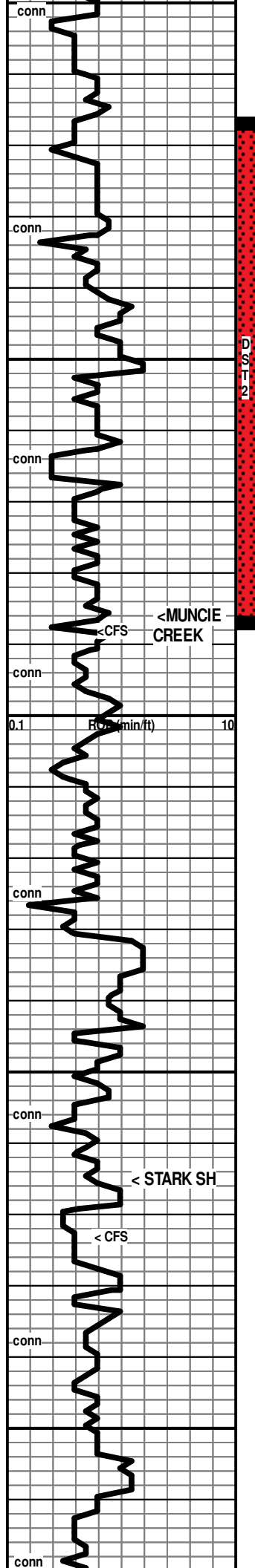
DST #1: 4207-4280 (Toronto, Lansing A)  
 Times: 30-30-30-30  
 Initial Open: Blow Dead Through out  
 Final Open: Blow Dead Through out  
 Rec: 58' mud  
 IHP: 2099 FHP: 2068  
 IFP: 13-30 FFP: 31-45  
 ISIP: 1178 FSIP: 1157  
 BHT: 132°F

[No Odor, Rr scatt dull spotty Fluor, abund blk to dk brn spotty & marbled Stn, Mostly Resid to Tarry Dead oil spots, Rr traces of dk brn hvy NVL Oil]

[No Odor, Scatt Dull spotty Fluor, Abund spotty to marbled blk to dk brn spotty Stn, Mostly flakey Resid to Tarry Dead stn, Some deadish-NVL hvy Oil, Trace of lighter tiny dk brn FO specks with Rr v sli gas bubbles]

7:00 AM, May 19, 2019

Mud Check: TOOH/Bit for DST1 @ 4280':  
 Vis Wt WL LCM PV YP  
 55 9.2 6.4 5 17 15  
 Chl Hd pH Solids  
 2000 40 11.0 5.9

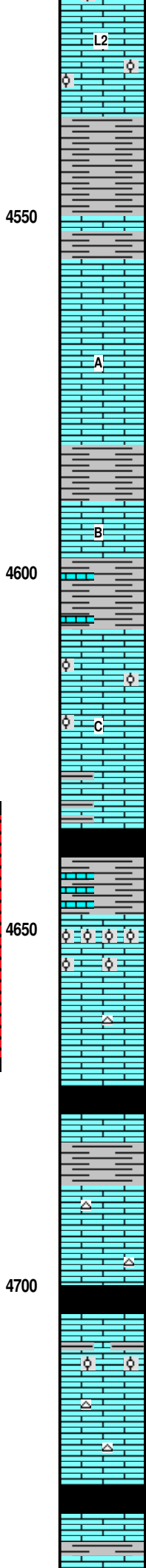
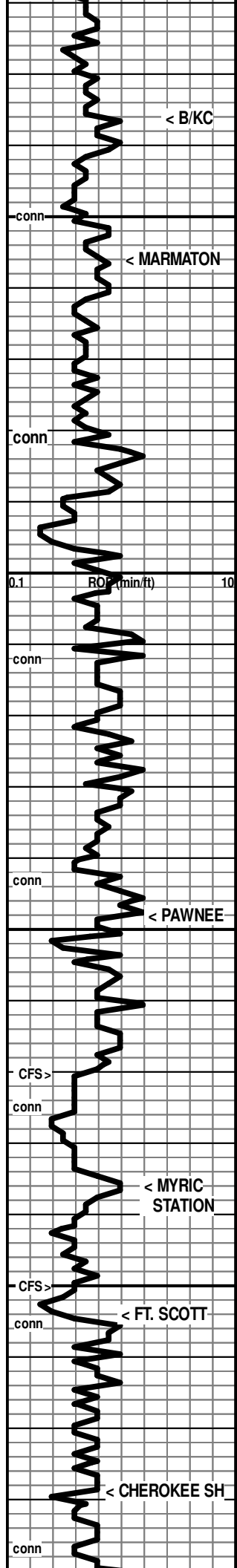


interool por, Tr fresh chert  
**Show Descr.** —————>  
 Sh & silty shale red-grn (washes pink)  
 Ls wh-cr, vfn-fn xln, mostly dns, some pr xln por foss  
 Ls wh-cr-pl gy, fn xln, mostly dns with scatt patches of pr xln por, foss in pt  
**Show Descr.** —————>  
 Ls wh-cr-pl gy, vfn-fn xln, mostly dns & firm, some softer & subchalky, fofss  
 Sh black to dk gy  
 Ls cr-gy, fn xln, dns, foss in pt  
 Sh dk red-gy-grnish  
 Sh dk red-gy-dk grn  
 4360' spl: 80% Shales mostly red-dk red, soft to subsoft, silty to earthy to clay text (washes deep red); 20% Ls wh-gy, fn xln, mostly dns, Rr patches of pr xln pr, sli foss in pt  
 4370' spl: Ls wh, fn xln, dns to pr xln por, with a few grainy text pcs with sli improved por, foss to abund foss  
**Show Descr.** —————>  
 Sh red to grn?/possibly Top of G zn?  
 Ls wh-cr-pl gy, fn xln, dns to some pr xln por, foss, some loose pyrite in spls  
**Show Descr.** —————>  
 Ls wh-cr-pl gy, fn xln, dns to some pr xln por, foss, some ool with pr interool por  
 <----- 4386 (-1000)  
 Sh dk gy- black (poorly repres in spl)  
 Mix of Shales red-gy, silty text in pt, earthy text in pt, and Ls cr-gy, vnf-fn xln, dns  
 4410' spl mostly red shale with some gy, mushy to soft (washes deep red); some dns ls  
 Ls wh, fn xln, mostly soft chalky to subchalky, some dns, scatt pr xln por, foss in pt (washes pl white), becoming more firm and dns with depth  
**[No Odor, Scatt Rr dull spotty fluor, abund black to dk brn spotty & patchy Stn, Mixed shows: Mostly resid/gilson stn, some dk brn-brn dead oil, few pcs with scant shows of dk brn small FO drops]**  
 4440' spl: 85% Shale-shaley Siltstone-siltstone, wh-gy-red-grnish, abund red-dk red shale earthy to silty text (washes red); some wh dns ls  
 4450' spl: 90% Shale & siltstone mostly red, some grnish to white siltstone; Some Ls wh-pl gy, fn xln, dns  
 4460' spl: 70% Ls cr-tan-gy, fn xln, mostly dns with scatt patches of pr xln por, sli foss; 30% Shales as above  
**Show Descr.** —————>  
 4470' spl: 98% Ls, 02% shale  
 Ls wh-cr-pl gy, fn xln, subchalky in pt, abund dns, scatt patches & pcs with pr xln por, Rr foss pores & molds, foss, Rr well-cem ool pcs  
**Show Descr.** —————>  
 <----- 4465 (-1079)  
 Sh dk gy-black, carb in pt  
 Siltstone, wh-red, calc in pt  
 Sh gy-grnish-red  
 Ls wh-cr, fn xln, dns in pt, pr xln por in pt, scatt pp pores, foss  
 Ls wh-cr-tan, vfn-fn xln, dns, foss  
 Sh gy-grnish-black, subcarb-carb in pt  
 Ls wh-cr, fn xln, dns to pr xln por in patches, abund foss & ool (mostly well cem withscatt inter ool pores)  
**[No Odor, No Fluor, low % pcs with patches of black resid/gilson to tarry Stn, NSFO]**  
 Ls wh-cr-tan, fn xln, chalky in pt, dns in pt, pr xln por in pt,

[No Odor, No Fluor, Mod am't of pcs with black resid/gilson Stn, some dead tar filled pores]  
 [No Odor, Rr spots and patches of dull-mod fluor, Low % pcs with trace to sli shows of brn FO & dk brn NVL oil, with some hvy DO]  
 [4370' spl: No Odor, No Fluor, Mod am't of pcs with blk resid stn to dk brn stn with mixed sli-fr shows of dk brn thick dead oil to dk brn NVL Oil to a few pcs with sli show brn FO v sli gassy on brk]  
 [No Odor, No Fluor, few pcs with spotty-patchy blk resid/gilson Stn, NSFO]  
 DST #2: 4316-4388 (Lsg C,E,F,G)  
 Times: 30-30-30-30  
 Initial Open: A few initial bubbles then died  
 Final Open: No Blow  
 Rec: 30' mud  
 IHP: 2173 FHP: 2176  
 IFP: 17-20 FFP: 21-25  
 ISIP: 908 FSIP: 778  
 BHT: 131°F  
 Mud Check: TOOH with DST2 @ 4388':  

Vis	Wt	WL	LCM	PV	YP
57	9.1	5.4	4	15	18
Chl	Hd	pH	Solids		
2200	10	11.5	5.4		

  
 [4460' spl: No Odor, scatt dull spotty Fluor, low % pcs with patchy & spotty dk brn stn, Rr pcs with trace shows of lt brn-brn tiny FO drops]  
 [V Fnt Odor, Mod am't of spotty-patchy dull-mod Fluor, Low-mod am't of pcs with spotty to patchy lt brn-brn-dk brn stn, some blk resid spotting, Trace to v sli shows of lt brn-brn FO in low % of pcs, sli gassy in pt]  
 7:00 am, May 21, 2019  
 DST #3: 4383-4473 (LKC H,I,J)  
 Times: 30-30-30-30  
 Initial Open: Few initial surf bubbles, then died  
 Final Open: No Blow  
 Rec: 20' mud with oil spots  
 IHP: 2240 FHP: 2201  
 IFP: 14-17 FFP: 18-19  
 ISIP: 468 FSIP: 350  
 BHT: 130°F



abund foss

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

4540' & 4550' sols 90% Limestones: 10% red-gr shales  
 ← 4536 (-1150)

4560' spl: 90% Shale mostly red soft to mushy, earthy to silty, some gm-gy, 10% Ls wh-cr, dns (washes deep red)

← 4556 (-1170)

4570' spl: 70% Ls wh-cr-tan, fn xln, chalky in pt, dns in pt, foss; 30% Shale red-gy-grmish (washes reddish)

Ls mostly gy, vfn-fn xln, dns, subsilty text in pt, some wh-cr, chalky in pt, foss in pt

4600' spl: 50% Shales red-lav-grm-gy, earthy to silty text to argil; 50% Ls wh-cr, fn xln, pr xln por to dns, abund foss

Ls? wh, psuedo-honeycomb structured pcs with fr-gd-exc por, abund red/dk red specks, [NS] some dns wh-cr-tan Ls; 45% Shales red-gy

Sh mostly red, silty, some gy

Ls wh-cr, fn xln, subchalky in pt, dns in pt, scatt vpr xln por in pt, sli foss in pt  
 No Odor, No Fluor, scatt pl brn stn, NSFO]

Ls wh-cr, fn xln, dns, some subchalky, abund ool (well cem), pr crush

Ls cr-tan-brn-gy, vfn-fn xln, dns, scatt calcite patches

Some red-gy shale in spls

4650' spl: 75% Sh gy-dk gy-black, carb in pt; 25% Ls wh-cr-gy, fn xln, dns

← 4648 (-1262)

Ls wh-cr-gy, fn xln, much dns & firm, some subchalky & softer, Rr pr xln por, foss to ool well cem to a mod am't of interool por & pp pores, pr-gd crush

Show Descr. →

Ls cr-tan, vfn-fn xln, mostly dns, Rr pr xln por, Rr pp pores, foss, Tr of brn subopaq fresh spic chert

Show Descr. →

Sh black, carb

Ls wh-cr fn xln, chalky-subchalky in pt, dns in pt, foss  
 [No Odor, No Fluor, Rr spots of brn stn, NSFO]

← 4686 (-1300)

Ls wh-cr-tan, fn xln, chalky-subchalky in pt, mostly dns, some patches & pcs with pr xln por, foss in pt, abund chert: fresh, cr-tan-gy, opa-subop, spic in pt

Show Descr. →

Sh black, carb (abund in 4710' spl)

← 4704 (-1318)

Ls wh-cr-tan, vfn-fn xln, mostly dns & firm, some softer & subchalky, V Rr pcs with pr xln por, foss, some ool & pellet (well cem)

Show Descr. →

Ls cr-tan-gy, vfn-fn xln, mostly dns & hard, some sli softer & subchalky, foss, chert: Fresh, tan-gy, opa, foss, spic

← 4729 (-1343)

Sh black, carb, with abund red-grm shale

Ls wh-cr-tan-gy, fn xln, mostly dns, some subchalky to chalky, foss in pt; some red-grm-gy shale

Mud Check: Drlg @ 4482':

Vis	Wt	WL	LCM	PV	YP
73	9.3	7.2	3	22	19
Chl	Hd	pH	Solids		
2500	60	11.0	6.6		

DST #4 : 4632-4670 (Pawnee)

Times: 30-45-60-60

Initial Open: Stg Blow, b.o.b. 2 min, built to 128", return blow b.o.b. 5 min, built to 28"

Final Open: Stg Blow, b.o.b. 5 min, built to 92", return blow built to 8" i.b. died back to 5" i.b.

Rec: 1109' Total Fluid, 3751' gas in pipe

798' GCO: 15% g 85%o

311' GMCO: 38%g 85%o 17%o

(Oil Gravity: 37\* API)

IHP: 2323 FHP: 2311

IFP: 87-221 FFP: 236-407

ISIP: 1130 FSIP: 1029

BHT: 148°F

[U. Paw: Mild Odor, Abund dull-mod speckled to even Fluor; where ool: spotty to patchy to even interool brn stn with sli to fr shows of lt brn FO sli gassy to brn NVL oil]

[L. Paw: Fnt Odor, scatt dull spotty-patchy fluor, scatt spotty-patchy brn stn, with trace to sli shows of brn FO & brn NVL oil]

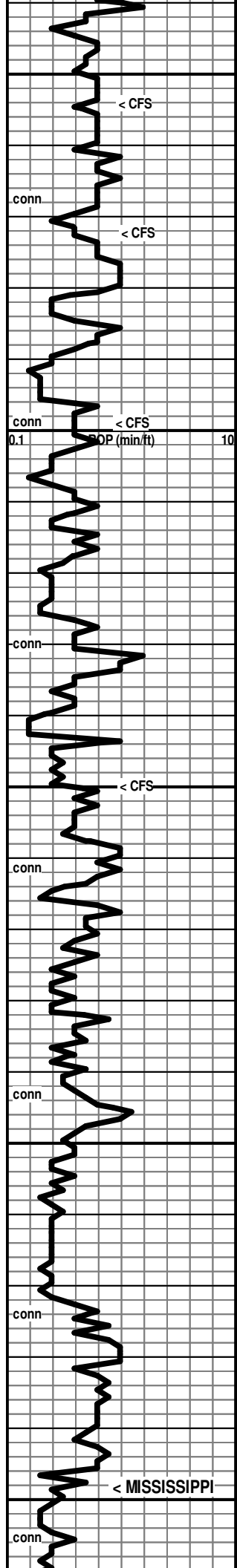
7:00 AM, May 22, 2019

Mud Check: TOOH/DST4 @ 4670':

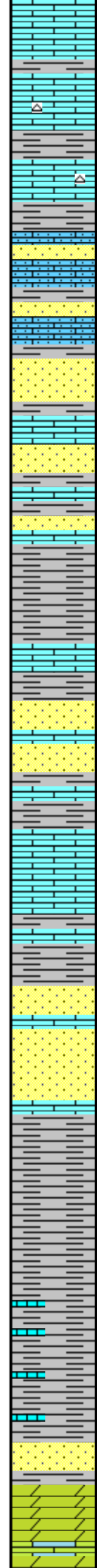
Vis	Wt	WL	LCM	PV	YP
59	9.3	6.4	3	17	15
Chl	Hd	pH	Solids		
2200	10	11.5	6.6		

[No Odor, Rr spots of dull fluor, V Rr spots of brn stn, 2 pcs per tray with scant trace of micro-drops of brn FO]

[No Odor, No Fluor, few pcs with scant scatt spots of brn stn, NSFO]



4750  
4800  
4850  
4900  
4950



Ls mostly wh-cr, fn xln, pr xln por to dns, foss, scatt glauc specks (spl 60% red shales)

Ls wh-cr-tan, vfn-fn xln, chalky in pt, dns in pt, scatt calcite patches, foss, trace of fresh dk chert; abund shale red-gy-grm

Sdy Ls to Limey Sd wh-cr-grnsh-gy, fn gm, subrd to nearly rd, dns to pr intergrmlr por, gd sort, some clusters with scatt md-crs grms, abund calc cem, some shaley sd, pr-fr fri, scatt glauc specks; abund shale grn-gy, sdy in pt, loose pyrite chunks,

Sd glassy-wh-cr-gy-grm, clean to cem to shaley, fn gm, subang, pr-fr-gd sort, pr-gd fri, scatt pr-fr-gd intergrmlr por, scatt md-crs embedded grains, some loose md & crs quartz frags & grms, shales red-gy-grm

Shales red-gy-grm-lav, silty-sdy-argil-earthy; Ls wh-cr, fn xln, sdy in pt, chalky in pt, dns; Sd glassy-wh-grm-gy, fn-md gm with scatt course grms, pr sort in pt, pr-fr-gd fri, subang-anglr, calc cem in pt, clean with fr intergrmlr por in pt, shaley in pt, scatt gauc, (washes red)

Shales red-gy-grm-lav, silty-sdy-argil-earthy; Ls wh-cr-gy, fn xln, sdy in pt, chalky in pt, dns; Sd glassy-wh-grm-gy, fn-md gm with scatt course grms, pr sort in pt, pr-fr-gd fri, subang-anglr, calc cem in pt, clean with fr intergrmlr por in pt, shaley in pt, scatt gauc, (spl wash red)

4880' spl: 90% Ls wh-cr-tan, fn xln, abund chalky & soft, abund dns & hard, with scatt patches of vugs, scatt calcite, foss in pt; 10% sands and shale (mostly gy-grm)

4890' spl: 75% Ls wh-cr-tan, fn xln, abund chalky & soft, abund dns & hard, with scatt patches of vugs, scatt calcite, foss in pt; 25% sands and shale (mostly gy-grm)

4900' spl: 60% Sd glassy-wh-gy, fn gm, subrd-subang, gd sort, some fri clusters, some sharp with pr fri, cem or shaley in pt; 40% Sh mostly gy-grm, silty-sdy-argil

4910' spl: 50% Shales red-gy-grm-lav-brn-yellow, silty to argil to sdy to subwaxy to mushy text, foss in pt; 50% Ls & Sd as above

4920' spl: 85% Shales as above with incr in soft, mushy shale (washes gy); 15% Ls & sd

4930' spl: 98% Shale gy-dk gy, soft, submic, subsilty in pt (washes deep gy)

4940' spl: 90% Shales mostly gy-dk gy-grm, soft to subfirm; 10% Ls wh-cr, fn xln, dns to subchalky with few clusters of sd

4950' spl: 70% Shales, gy-dk gy-grm, mushy to soft to firm, sity-sdy in pt; Ls wh-cr, mushy to soft goo to fn xln, dns, some loose pyrite; some Sd wh-gy, fn gm, calc cem in tp, shaley in pt,

4960' spl: incr in Sd glassy-wh, fn-md gm, pr-gd sort, subang-subrd, clusters mostly rdish-some subsharp, pr-gd fri, calc cem in pt, scat glauc; Otherwise as above

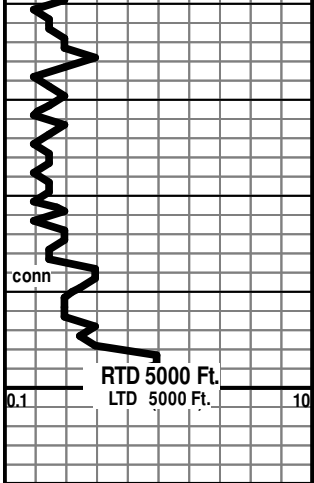
<----- 4948 (-1562)

4970' spl: 90% Dol, cr-tan, fn xln, sucrosic text, pr-fr xln por, pr-fr crush, scatt glauc specks

7:00 AM, May 23, 2019

Mud Check: Drlg @ 4883':

Vis	Wt	WL	LCM	PV	YP
58	9.4	6.4	3	14	16
Chl	Hd	pH	Solids		
2500	40	11.0	7.3		



5000



Dol cr-tan, fn xln, sucrosic text, pr-fr vis xln por, scatt pp pores, scatt sm vugs, some Dol Ls to Limey Dol, dns, scatt glauc specks

Dol cr-tan, fn xln, sucrosic text, pr-fr vis xln por, scatt pp pores, scatt sm vugs, some Dol Ls to Limey Dol, dns, scatt glauc specks, Rr pcs fresh white chert

Dol cr-tan-gy, fn xln, sucrosic text, pr-fr vis xln por, scatt pp pores, abund sm vugs, some Dol Ls to Limey Dol, dns, scatt glauc specks, Rr pcs fresh white chert

Ls cr-tan,fn xln, dns, cherty

RTD 5000 Ft., Reached at 1:30 PM,  
May 23, 2019!



## DRILL STEM TEST REPORT

Prepared For: **Brito Oil Company**

250 N Water STE 300  
Wichita KS 67202

ATTN: Brad Rine

### **Four Boys #1-28**

### **28-4S-37W Cheyenne KS**

Start Date: 2019.05.19 @ 07:36:00

End Date: 2019.05.19 @ 15:37:01

Job Ticket #: 65362                      DST #: 1

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

Printed: 2019.05.24 @ 14:18:13



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Brito Oil Company  
 250 N Water STE 300  
 Wichita KS 67202  
 ATTN: Brad Rine

**28-4S-37W Cheyenne KS**  
**Four Boys #1-28**  
 Job Ticket: 65362      **DST#: 1**  
 Test Start: 2019.05.19 @ 07:36:00

## GENERAL INFORMATION:

Formation: **Toronto - LKC A**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:31:16  
 Time Test Ended: 15:37:01  
 Interval: **4207.00 ft (KB) To 4280.00 ft (KB) (TVD)**  
 Total Depth: 4280.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shawn Wheelbarger  
 Unit No: 76  
 Reference Elevations: 3386.00 ft (KB)  
 3381.00 ft (CF)  
 KB to GR/CF: 5.00 ft

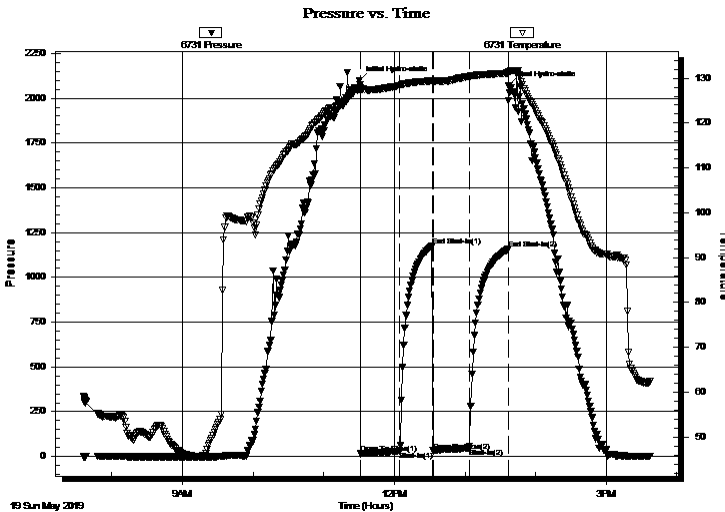
## Serial #: 6731

Inside

Press@RunDepth: 44.94 psig @ 4208.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2019.05.19      End Date: 2019.05.19      Last Calib.: 2019.05.19  
 Start Time: 07:36:01      End Time: 15:37:01      Time On Btm: 2019.05.19 @ 11:30:31  
 Time Off Btm: 2019.05.19 @ 13:37:16

TEST COMMENT: 30-IF-No blow back  
 30-ISI-No blow  
 30-FF-No blow  
 30-FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2099.03	127.62	Initial Hydro-static
1	15.35	127.12	Open To Flow (1)
35	29.82	128.38	Shut-In(1)
62	1178.42	129.43	End Shut-In(1)
63	30.59	129.19	Open To Flow (2)
94	44.94	130.39	Shut-In(2)
126	1156.90	131.13	End Shut-In(2)
127	2068.15	131.50	Final Hydro-static

## Recovery

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

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Brito Oil Company

**28-4S-37W Cheyenne KS**

250 N Water STE 300  
Wichita KS 67202

**Four Boys #1-28**

Job Ticket: 65362

**DST#: 1**

ATTN: Brad Rine

Test Start: 2019.05.19 @ 07:36:00

## Tool Information

Drill Pipe:	Length: 4039.00 ft	Diameter: 3.80 inches	Volume: 56.66 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4207.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	94.00 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			4187.00	
Shut In Tool	5.00			4192.00	
Hydraulic tool	5.00		Inside	4197.00	
Packer	5.00			4202.00	21.00 Bottom Of Top Packer
Packer	5.00			4207.00	
Packer - Shale	0.00			4207.00	
Stubb	1.00			4208.00	
Recorder	0.00	8645	Outside	4208.00	
Recorder	0.00	6731	Inside	4208.00	
Perforations	36.00			4244.00	
Change Over Sub	1.00			4245.00	
Blank Spacing	31.00			4276.00	
Change Over Sub	1.00			4277.00	
Bullnose	3.00			4280.00	73.00 Bottom Packers & Anchor

**Total Tool Length: 94.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brito Oil Company

**28-4S-37W Cheyenne KS**

250 N Water STE 300  
Wichita KS 67202

**Four Boys #1-28**

Job Ticket: 65362

**DST#: 1**

ATTN: Brad Rine

Test Start: 2019.05.19 @ 07:36:00

## 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: 55.00 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
58.00	100% Mud	0.285

Total Length: 58.00 ft      Total Volume: 0.285 bbl

Num Fluid Samples: 0

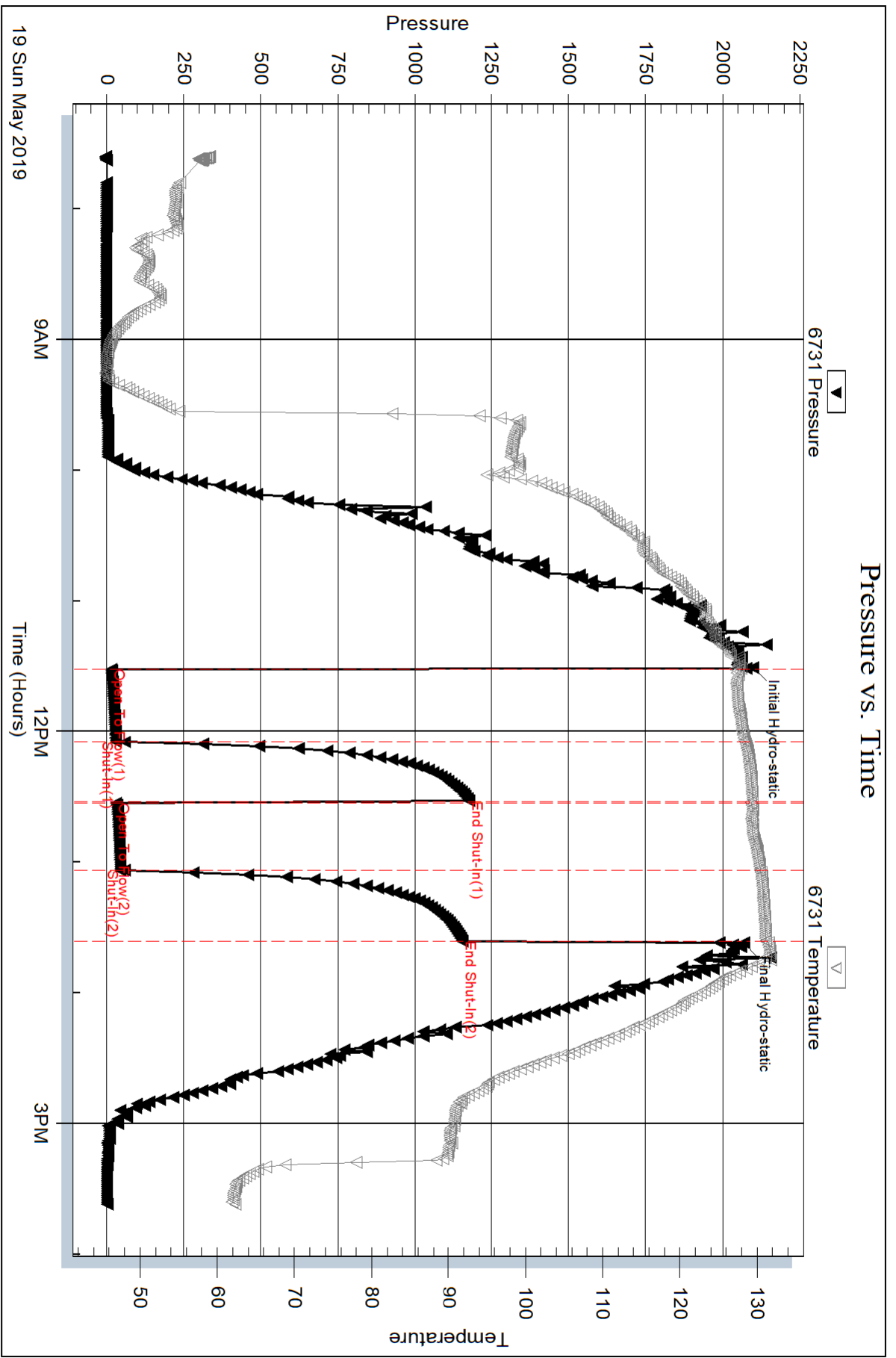
Num Gas Bombs: 0

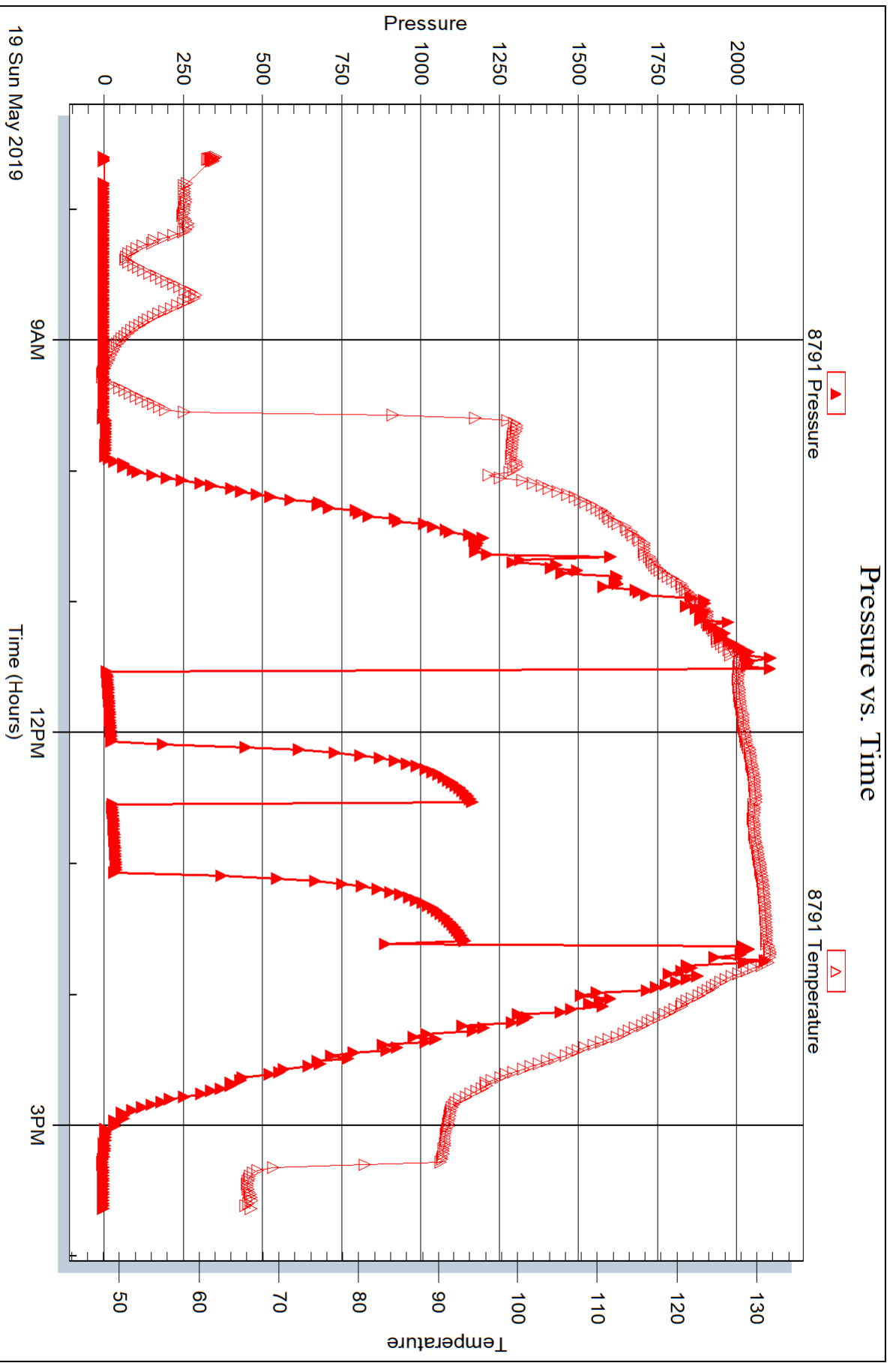
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Brito Oil Company**

250 N Water STE 300  
Wichita KS 67202

ATTN: Brad Rine

### **Four Boys #1-28**

### **28-4S-37W Cheyenne KS**

Start Date: 2019.05.20 @ 03:11:00

End Date: 2019.05.20 @ 10:04:46

Job Ticket #: 65363                      DST #: 2

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

Printed: 2019.05.24 @ 14:17:03



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Brito Oil Company  
 250 N Water STE 300  
 Wichita KS 67202  
 ATTN: Brad Rine

**28-4S-37W Cheyenne KS**  
**Four Boys #1-28**  
 Job Ticket: 65363      **DST#: 2**  
 Test Start: 2019.05.20 @ 03:11:00

## GENERAL INFORMATION:

Formation: **LKC C - G**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:11:46  
 Time Test Ended: 10:04:46  
 Interval: **4316.00 ft (KB) To 4388.00 ft (KB) (TVD)**  
 Total Depth: 4280.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shawn Wheelbarger  
 Unit No: 76  
 Reference Elevations: 3386.00 ft (KB)  
 3381.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6731

Inside

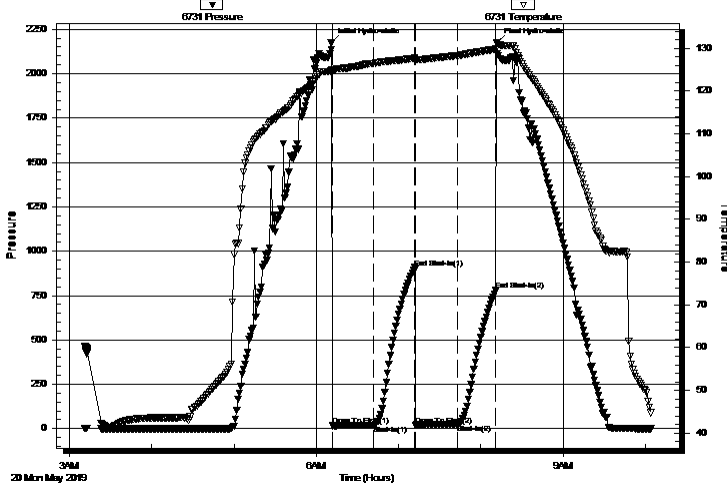
Press@RunDepth: 24.98 psig @ 4317.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2019.05.20      End Date: 2019.05.20      Last Calib.: 2019.05.20  
 Start Time: 03:11:01      End Time: 10:04:46      Time On Btm: 2019.05.20 @ 06:10:46  
 Time Off Btm: 2019.05.20 @ 08:11:46

TEST COMMENT: 30-IF-Slight surface blow @ open  
 30-ISI-No blow back  
 30-FF-No blow  
 30-FSI-No blow

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.20	124.64	Initial Hydro-static
1	16.57	124.34	Open To Flow (1)
31	20.49	126.43	Shut-In(1)
61	907.68	127.67	End Shut-In(1)
62	20.75	127.25	Open To Flow (2)
93	24.98	128.29	Shut-In(2)
121	778.48	129.78	End Shut-In(2)
121	2176.08	131.35	Final Hydro-static

Pressure vs. Time



## Recovery

Length (ft)	Description	Volume (bbl)
30.00	100% Mud	0.15

## 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

**28-4S-37W Cheyenne KS**

250 N Water STE 300  
Wichita KS 67202

**Four Boys #1-28**

Job Ticket: 65363

**DST#: 2**

ATTN: Brad Rine

Test Start: 2019.05.20 @ 03:11:00

## Tool Information

Drill Pipe:	Length: 4133.00 ft	Diameter: 3.80 inches	Volume: 57.98 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 58.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4316.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	93.00 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			4296.00	
Shut In Tool	5.00			4301.00	
Hydraulic tool	5.00		Inside	4306.00	
Packer	5.00			4311.00	21.00 Bottom Of Top Packer
Packer	5.00			4316.00	
Packer - Shale	0.00			4316.00	
Stubb	1.00			4317.00	
Recorder	0.00	8645	Outside	4317.00	
Recorder	0.00	6731	Inside	4317.00	
Perforations	35.00			4352.00	
Change Over Sub	1.00			4353.00	
Blank Spacing	31.00			4384.00	
Change Over Sub	1.00			4385.00	
Bullnose	3.00			4388.00	72.00 Bottom Packers & Anchor

**Total Tool Length: 93.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brito Oil Company

**28-4S-37W Cheyenne KS**

250 N Water STE 300  
Wichita KS 67202

**Four Boys #1-28**

Job Ticket: 65363

**DST#: 2**

ATTN: Brad Rine

Test Start: 2019.05.20 @ 03:11:00

## 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: 57.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100% Mud	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

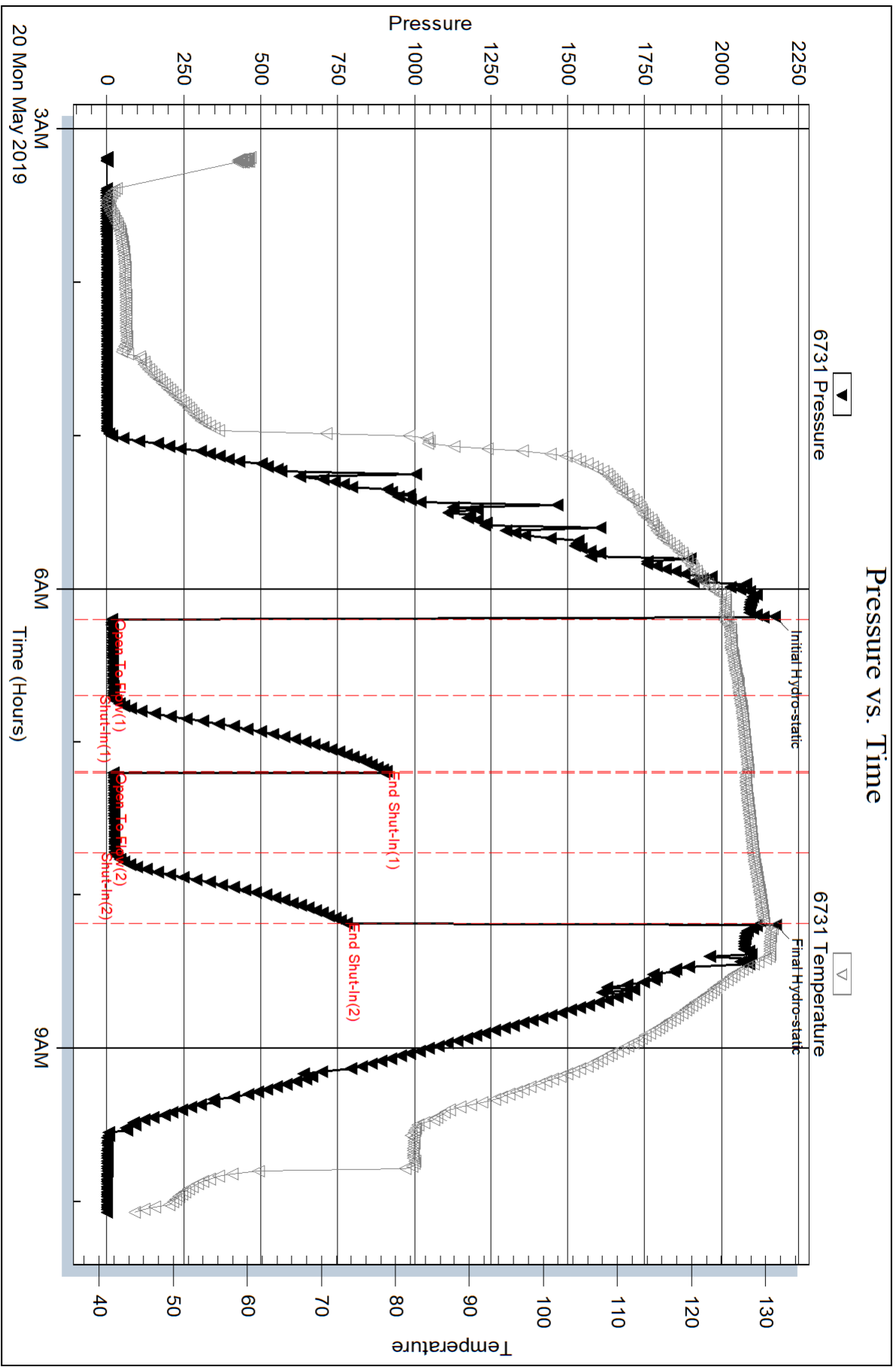
Serial #: 6731

Inside

Brito Oil Company

Four Boys #1-28

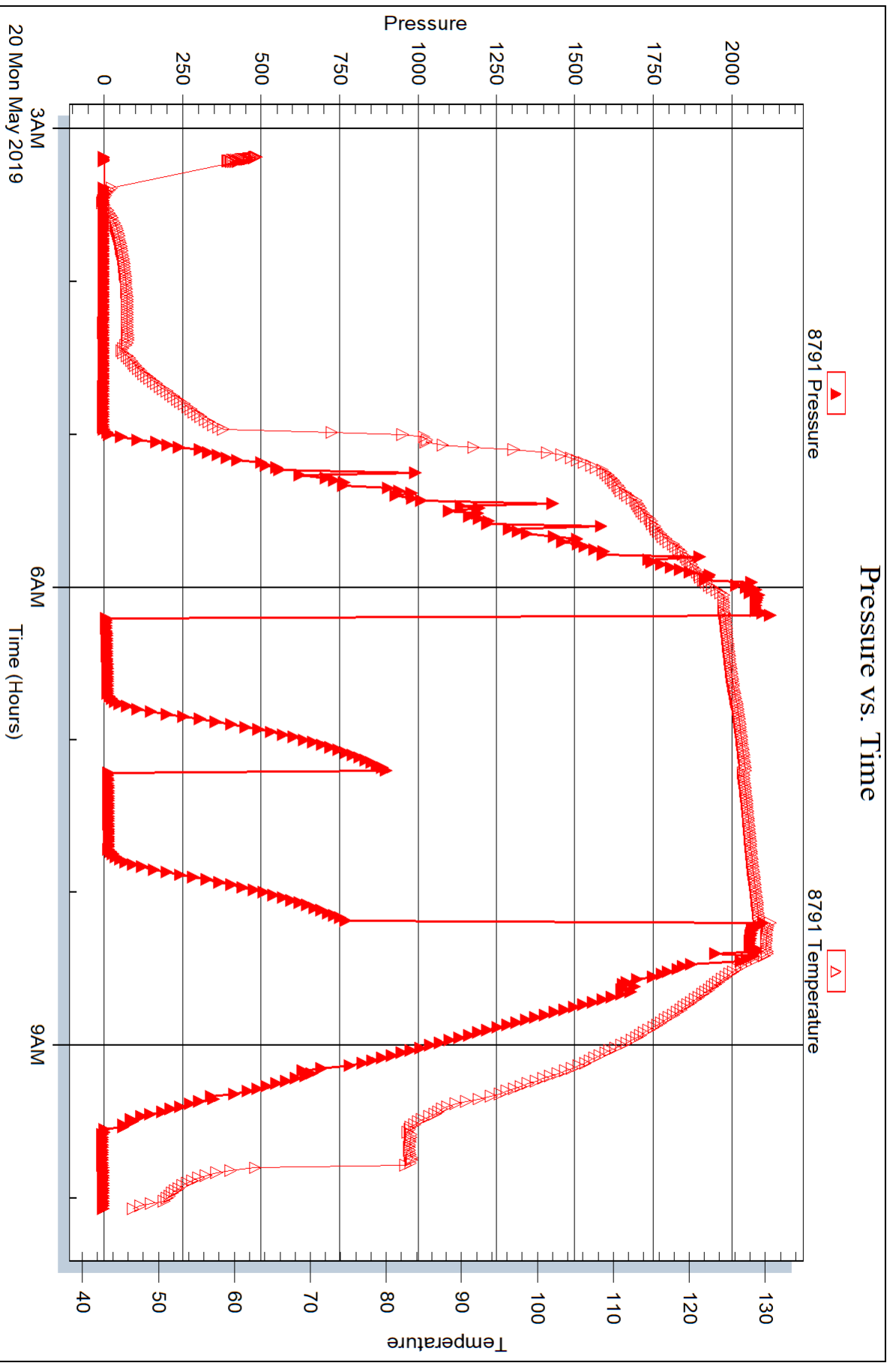
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 65363

Printed: 2019.05.24 @ 14:17:04





## DRILL STEM TEST REPORT

Prepared For: **Brito Oil Company**

250 N Water STE 300  
Wichita KS 67202

ATTN: Brad Rine

### **Four Boys #1-28**

### **28-4S-37W Cheyenne KS**

Start Date: 2019.05.20 @ 21:11:00

End Date: 2019.05.21 @ 04:17:31

Job Ticket #: 65364                      DST #: 3

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

Printed: 2019.05.24 @ 14:16:35



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Brito Oil Company  
 250 N Water STE 300  
 Wichita KS 67202  
 ATTN: Brad Rine

**28-4S-37W Cheyenne KS**  
**Four Boys #1-28**  
 Job Ticket: 65364      **DST#: 3**  
 Test Start: 2019.05.20 @ 21:11:00

## GENERAL INFORMATION:

Formation: **LKC H - J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:03:01  
 Time Test Ended: 04:17:31  
 Interval: **4383.00 ft (KB) To 4473.00 ft (KB) (TVD)**  
 Total Depth: 4473.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shawn Wheelbarger  
 Unit No: 76  
 Reference Elevations: 3386.00 ft (KB)  
 3381.00 ft (CF)  
 KB to GR/CF: 5.00 ft

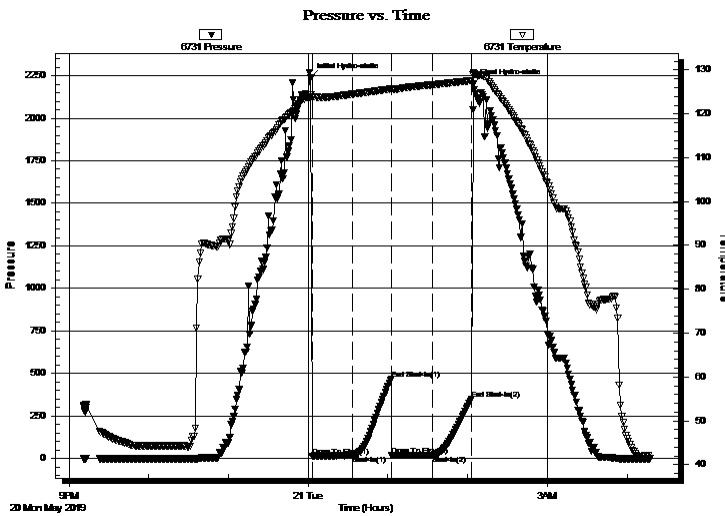
## Serial #: 6731

Inside

Press@RunDepth: 18.69 psig @ 4384.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2019.05.20      End Date: 2019.05.21      Last Calib.: 2019.05.21  
 Start Time: 21:11:01      End Time: 04:17:31      Time On Btm: 2019.05.21 @ 00:02:01  
 Time Off Btm: 2019.05.21 @ 02:04:31

TEST COMMENT: 30-IF-Slight surface blow @ open  
 30-ISI-No blow back  
 30-FF-No blow  
 30-FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.52	124.25	Initial Hydro-static
1	14.06	123.65	Open To Flow (1)
32	17.37	124.51	Shut-In(1)
61	468.38	125.71	End Shut-In(1)
61	18.03	125.60	Open To Flow (2)
92	18.69	126.65	Shut-In(2)
121	350.38	127.60	End Shut-In(2)
123	2201.01	129.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100% W/ Oil spots	0.10

\* 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

**28-4S-37W Cheyenne KS**

250 N Water STE 300  
Wichita KS 67202

**Four Boys #1-28**

Job Ticket: 65364

**DST#: 3**

ATTN: Brad Rine

Test Start: 2019.05.20 @ 21:11:00

## Tool Information

Drill Pipe:	Length: 4195.00 ft	Diameter: 3.80 inches	Volume: 58.84 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4383.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	111.00 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			4363.00	
Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00		Inside	4373.00	
Packer	5.00			4378.00	21.00 Bottom Of Top Packer
Packer	5.00			4383.00	
Packer - Shale	0.00			4383.00	
Stubb	1.00			4384.00	
Recorder	0.00	8645	Outside	4384.00	
Recorder	0.00	6731	Inside	4384.00	
Perforations	21.00			4405.00	
Change Over Sub	1.00			4406.00	
Blank Spacing	63.00			4469.00	
Change Over Sub	1.00			4470.00	
Bullnose	3.00			4473.00	90.00 Bottom Packers & Anchor

**Total Tool Length: 111.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brito Oil Company

**28-4S-37W Cheyenne KS**

250 N Water STE 300  
Wichita KS 67202

**Four Boys #1-28**

Job Ticket: 65364

**DST#: 3**

ATTN: Brad Rine

Test Start: 2019.05.20 @ 21:11:00

## 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: 57.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100% W/ Oil spots	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

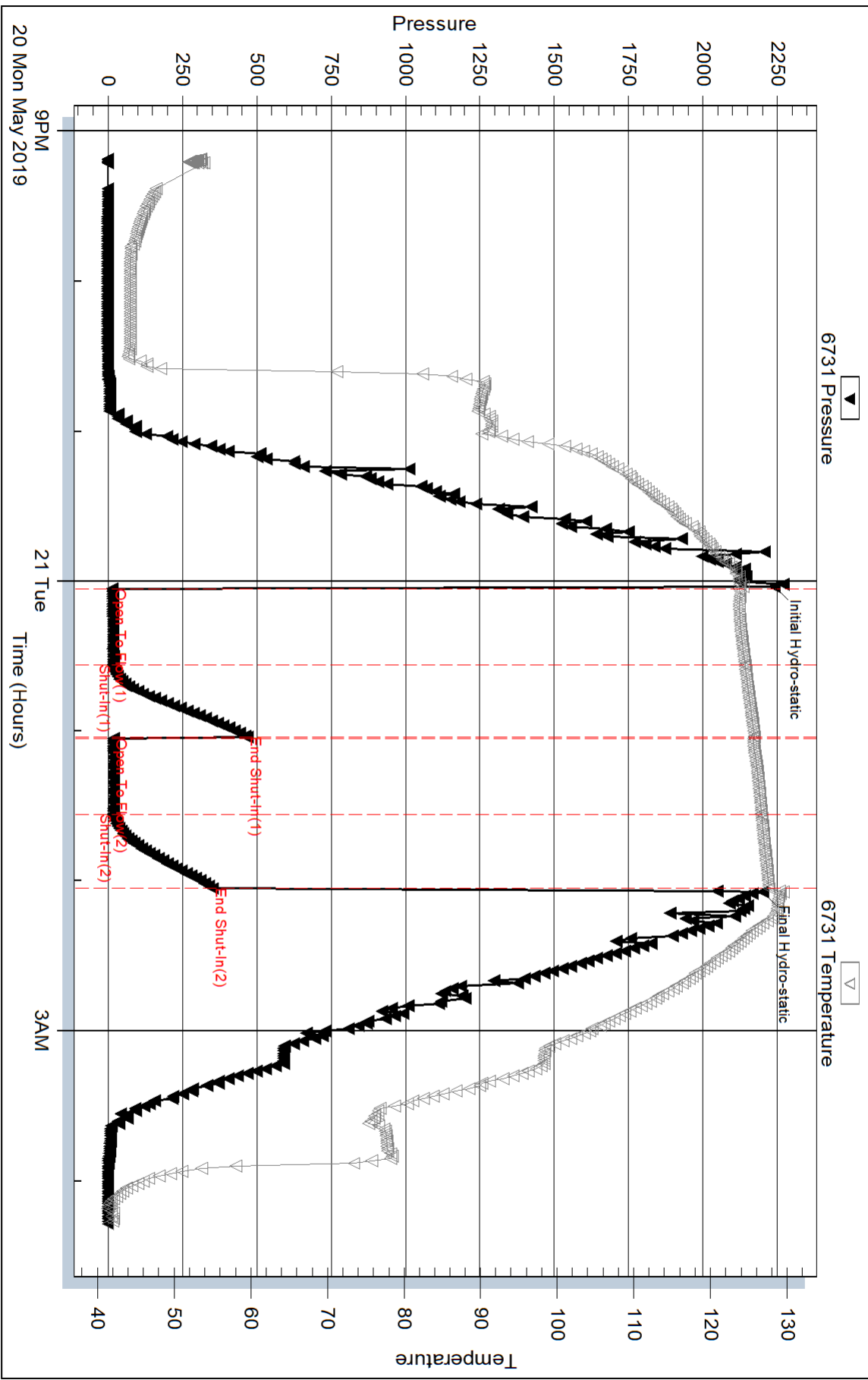
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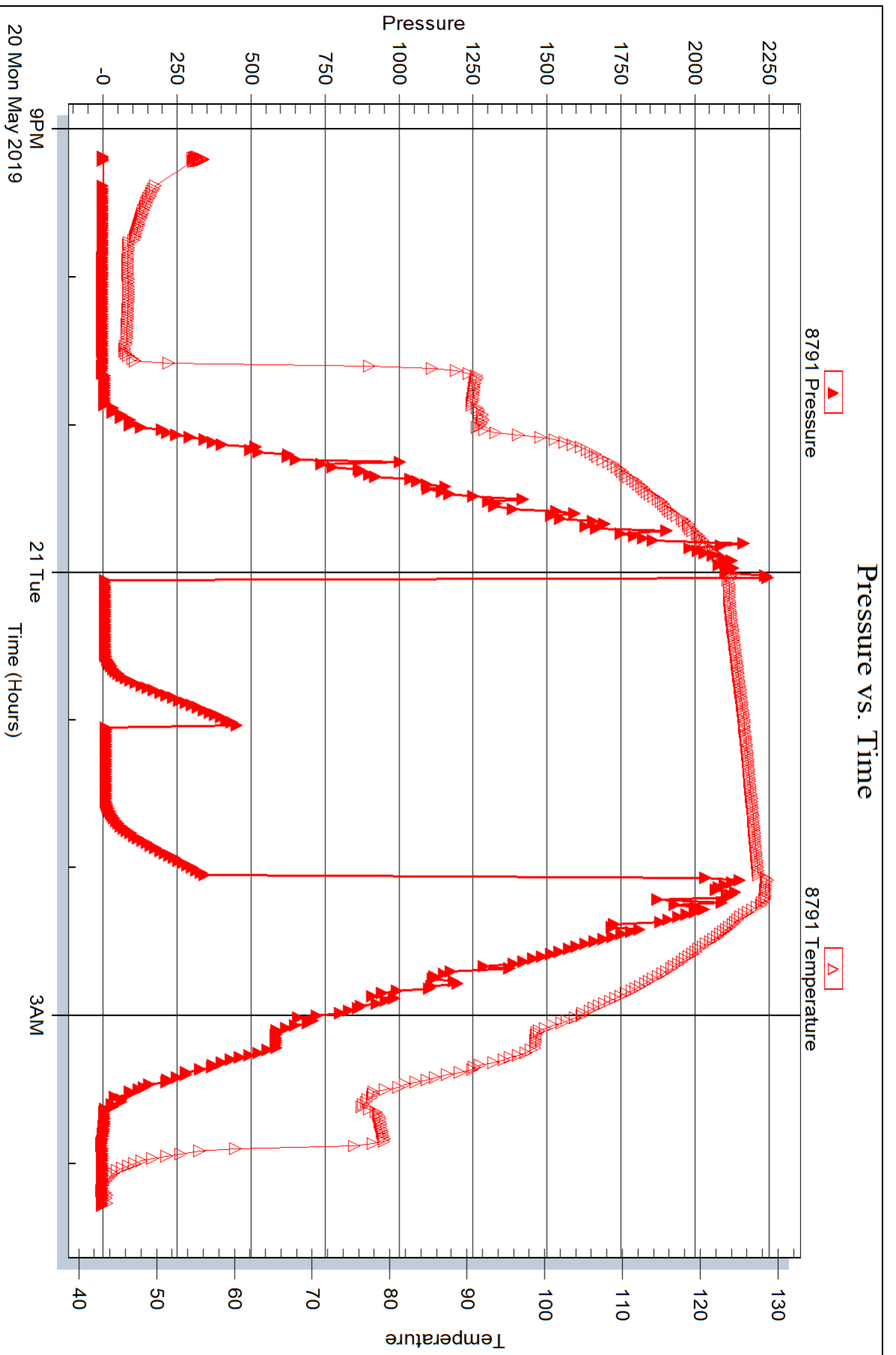
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Brito Oil Company**

250 N Water STE 300  
Wichita KS 67202

ATTN: Brad Rine

### **Four Boys #1-28**

### **28-4S-37W Cheyenne KS**

Start Date: 2019.05.21 @ 23:35:00

End Date: 2019.05.22 @ 10:16:46

Job Ticket #: 65365                      DST #: 4

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

Printed: 2019.05.24 @ 13:02:01



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Brito Oil Company  
 250 N Water STE 300  
 Wichita KS 67202  
 ATTN: Brad Rine

**28-4S-37W Cheyenne KS**  
**Four Boys #1-28**  
 Job Ticket: 65365 **DST#: 4**  
 Test Start: 2019.05.21 @ 23:35:00

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:42:31  
 Time Test Ended: 10:16:46  
 Interval: **4632.00 ft (KB) To 4670.00 ft (KB) (TVD)**  
 Total Depth: 4670.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shawn Wheelbarger  
 Unit No: 76  
 Reference Elevations: 3386.00 ft (KB)  
 3381.00 ft (CF)  
 KB to GR/CF: 5.00 ft

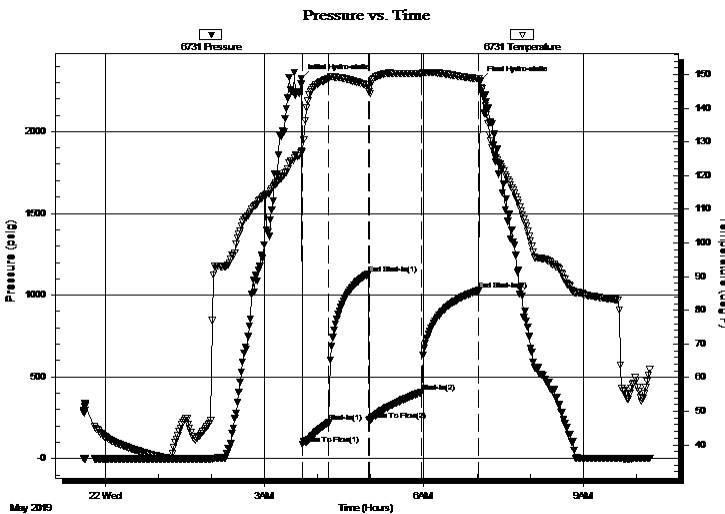
## Serial #: 6731

Inside

Press@RunDepth: 407.03 psig @ 4633.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2019.05.21 End Date: 2019.05.22 Last Calib.: 2019.05.22  
 Start Time: 23:35:01 End Time: 10:16:46 Time On Btm: 2019.05.22 @ 03:41:46  
 Time Off Btm: 2019.05.22 @ 07:03:31

TEST COMMENT: 30-IF-3" Blow @ open BOB in 2 mins built to 128"  
 45-ISI- BOB in 7 mins built to 28"  
 60-FF- BOB in 5 mins built to 92"  
 60-FSI- Blow built to 8" in 20 mins died to 5"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2322.57	127.39	Initial Hydro-static
1	86.90	127.06	Open To Flow (1)
31	220.65	148.93	Shut-In(1)
76	1129.96	146.87	End Shut-In(1)
77	236.38	145.04	Open To Flow (2)
136	407.03	150.25	Shut-In(2)
201	1029.14	148.70	End Shut-In(2)
202	2311.17	148.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
311.00	GMCO 38%G, 45%O, 17%M	2.75
798.00	CGO 15%G, 85%O	11.19
0.00	3751 Gas In Pipe	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**

Brito Oil Company

**28-4S-37W Cheyenne KS**

250 N Water STE 300  
Wichita KS 67202

**Four Boys #1-28**

Job Ticket: 65365

**DST#: 4**

ATTN: Brad Rine

Test Start: 2019.05.21 @ 23:35:00

## Tool Information

Drill Pipe:	Length: 4445.00 ft	Diameter: 3.80 inches	Volume: 62.35 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 63.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4632.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 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
Change Over Sub	1.00			4612.00	
Shut In Tool	5.00			4617.00	
Hydraulic tool	5.00		Inside	4622.00	
Packer	5.00			4627.00	21.00 Bottom Of Top Packer
Packer	5.00			4632.00	
Packer - Shale	0.00			4632.00	
Stubb	1.00			4633.00	
Recorder	0.00	8645	Outside	4633.00	
Recorder	0.00	6731	Inside	4633.00	
Perforations	34.00			4667.00	
Bullnose	3.00			4670.00	38.00 Bottom Packers & Anchor

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Brito Oil Company

**28-4S-37W Cheyenne KS**

250 N Water STE 300  
Wichita KS 67202

**Four Boys #1-28**

Job Ticket: 65365

**DST#: 4**

ATTN: Brad Rine

Test Start: 2019.05.21 @ 23:35:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 73.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
311.00	GMCO 38%G, 45%O, 17%M	2.750
798.00	CGO 15%G, 85%O	11.194
0.00	3751 Gas In Pipe	0.000

Total Length: 1109.00 ft      Total Volume: 13.944 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

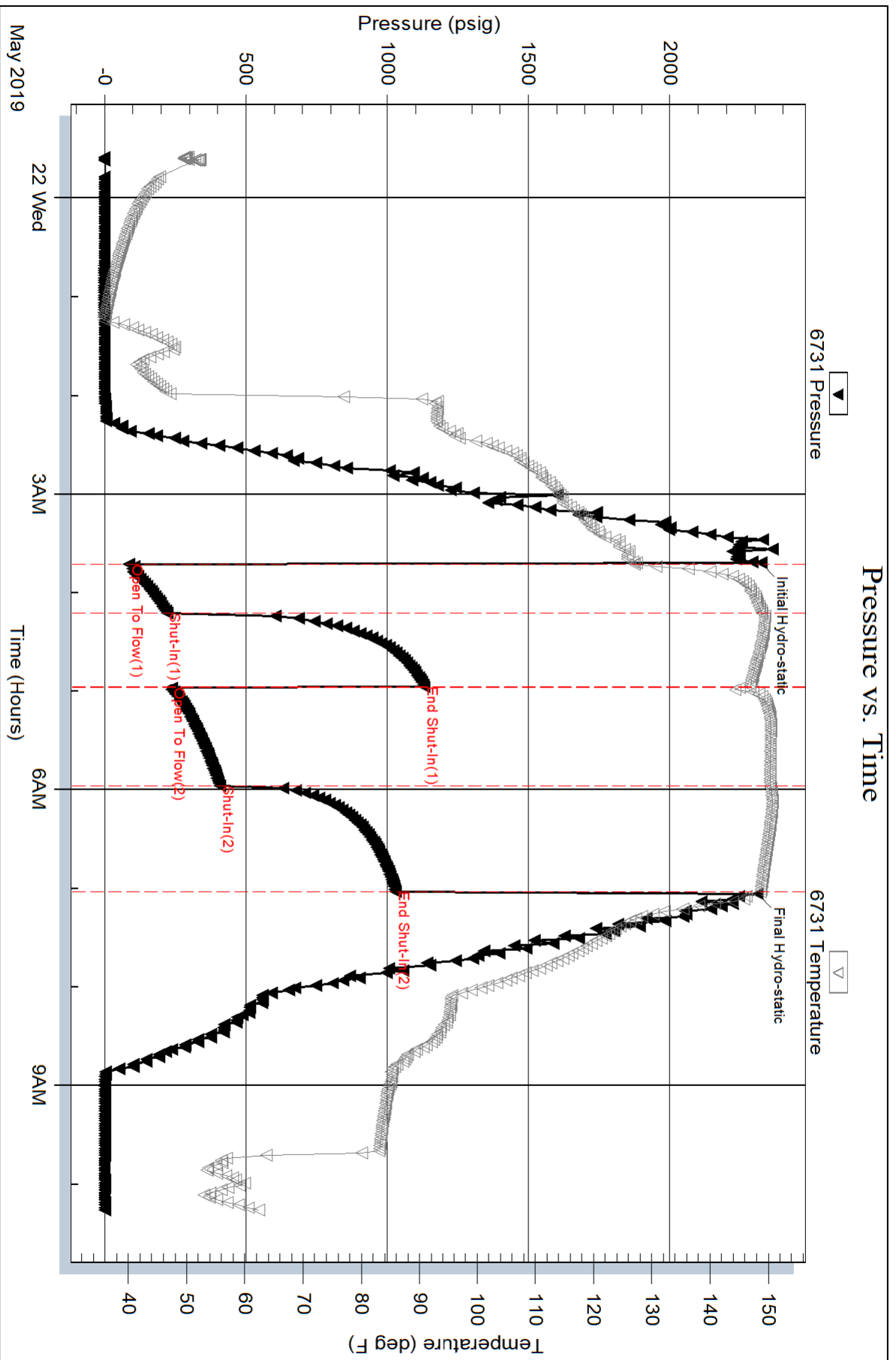
Laboratory Name:

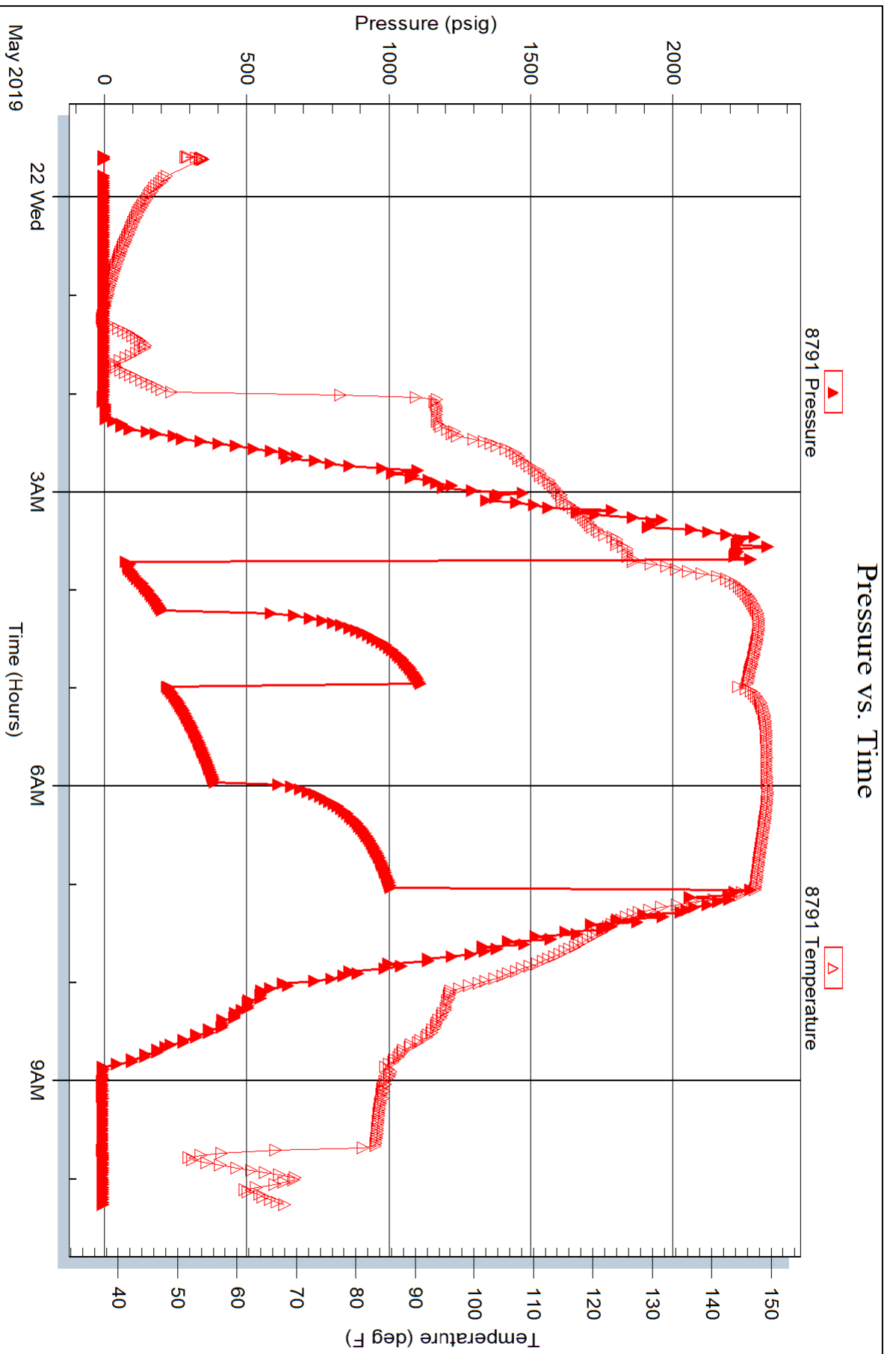
Laboratory Location:

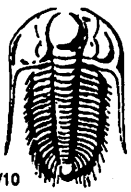
Recovery Comments: 38@70 Deg adjusted to 37@60



# Pressure vs. Time







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65362

Well Name & No. Four Boys #1-28 Test No. 1 Date 5-19-19  
 Company Brito Oil Company Elevation 3386 KB 3381 GL  
 Address 250 N Water STE 300 Wichita KS 67202  
 Co. Rep / Geo. Brod Rine (316) 250 5941 Rig Murfin #3  
 Location: Sec. 28 Twp. 4S Rge. 37W Co. Cheyenne State KS

Interval Tested 4207 - 4280 Zone Tested Toronto Lens A  
 Anchor Length 73 Drill Pipe Run 4039 Mud Wt. 9.2  
 Top Packer Depth 4202 Drill Collars Run 177 Vis SS  
 Bottom Packer Depth 4207 Wt. Pipe Run - WL 6.4  
 Total Depth 4280 Chlorides 2000 ppm System LCM 5  
 Blow Description IF No blow back  
ISI No blow  
FF No blow  
FSI No blow

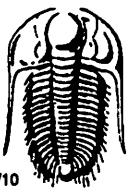
Rec	Feet of	%gas	%oil	%water	%mud
<u>58</u>	<u>Mud</u>			<u>100</u>	

Rec Total 58 BHT 132 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2099  Test 1300 T-On Location 6:15  
 (B) First Initial Flow 15  Jars \_\_\_\_\_ T-Started 7:36  
 (C) First Final Flow 30  Safety Joint \_\_\_\_\_ T-Open 11:32  
 (D) Initial Shut-In 1178  Circ Sub \_\_\_\_\_ T-Pulled 13:33  
 (E) Second Initial Flow 31  Hourly Standby \_\_\_\_\_ T-Out 15:30  
 (F) Second Final Flow 45  Mileage 118 RT 118 Comments \_\_\_\_\_  
 (G) Final Shut-In 1157  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2068  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  Shale Packer 250 Sub Total 0  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_ Total 1668  
 Final Flow 30  Extra Recorder \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1668

Approved By Brod Rine Our Representative Shawn Hedberg

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65363

Well Name & No. Four Boys # 1-28 Test No. 2 Date 5-20-19  
 Company Brito Oil Company Elevation 3386 KB 3381 GL  
 Address 250 N Water STE 300 Wichita KS 67202  
 Co. Rep / Geo. Brad Rine Rig Murfin # 3  
 Location: Sec. 28 Twp. 43 Rge. 37W Co. Cheyenne State KS

Interval Tested 4316 - 4388 Zone Tested Lans C E F G  
 Anchor Length 72 Drill Pipe Run 4133 Mud Wt. 9.1  
 Top Packer Depth 4311 Drill Collars Run 177 Vis 57  
 Bottom Packer Depth 4316 Wt. Pipe Run - WL 6.4  
 Total Depth 4388 Chlorides 2200 ppm System LCM 4  
 Blow Description IF Slight surface blow @ open  
ISI No blow back  
FE No blow  
FSI No blow

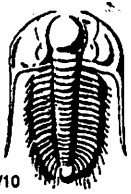
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 131 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 2173  Test 1300 T-On Location 2:25  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 3:11  
 (C) First Final Flow 20  Safety Joint \_\_\_\_\_ T-Open 6:01  
 (D) Initial Shut-In 908  Circ Sub \_\_\_\_\_ T-Pulled 8:12  
 (E) Second Initial Flow 21  Hourly Standby \_\_\_\_\_ T-Out 9:55  
 (F) Second Final Flow 25  Mileage 118 RT 118 Comments \_\_\_\_\_  
 (G) Final Shut-In 778  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2176  Straddle \_\_\_\_\_  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1668  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1668

Approved By Brad Rine Our Representative Shawn Wheelbarger

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65364

Well Name & No. Four Boys #1-28 Test No. 3 Date 5-20-19  
 Company Brito Oil Company Elevation 3386 KB 3381 GL  
 Address 250 N Water STE 300 Wichita KS 67202  
 Co. Rep / Geo. Brad Rine Rig Murfin #3  
 Location: Sec. 28 Twp. 4S Rge. 37W Co. Cheyenne State KS

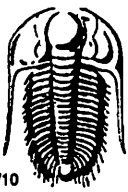
Interval Tested 4383 - 4473 Zone Tested LKC HIA  
 Anchor Length 90 Drill Pipe Run 419.5 Mud Wt. 9.1  
 Top Packer Depth 4378 Drill Collars Run 177 Vis 57  
 Bottom Packer Depth 4383 Wt. Pipe Run — WL 6.4  
 Total Depth 4473 Chlorides 2200 ppm System LCM 4  
 Blow Description IF Slight surface blow @ open  
ISI No blow back  
FF No blow  
FSI No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud w/ oil spots</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 20 BHT 130 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2240  Test 1300 T-On Location 20:17  
 (B) First Initial Flow 14  Jars \_\_\_\_\_ T-Started 21:11  
 (C) First Final Flow 17  Safety Joint \_\_\_\_\_ T-Open 00:03 5-21  
 (D) Initial Shut-In 468  Circ Sub \_\_\_\_\_ T-Pulled 2:11 5-21  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 3:55 5-21  
 (F) Second Final Flow 19  Mileage 118 RT 118 Comments \_\_\_\_\_  
 (G) Final Shut-In 350  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2201  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 1668  
 Final Shut-In 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1668

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65365

Well Name & No. Four Boys #1-28 Test No. 4 Date 5-21-19  
 Company Brito Oil Company Elevation 3386 KB 3381 GL  
 Address 250 N Water STE 300 Wichita KS 67202  
 Co. Rep / Geo. Brad Rine Rig Martin #3  
 Location: Sec. 28 Twp. 4S Rge. 37W Co. Cheyenne State KS

Interval Tested 4632 - 4670 Zone Tested Pawnee  
 Anchor Length 38 Drill Pipe Run 4445 Mud Wt. 9.3  
 Top Packer Depth 4627 Drill Collars Run 177 Vis 73  
 Bottom Packer Depth 4632 Wt. Pipe Run - WL 7.2  
 Total Depth 4670 Chlorides 2500 ppm System LCM 3

Blow Description IF 3" Blow @ open BOB in 2 mins built to 128"  
ISI BOB in 7 mins built to 28"  
FF ~~28"~~ @ BOB in 5 mins built to 92  
FSI Blow built to 8" in 20 mins died to 5"

Rec	Feet of	%gas	%oil	%water	%mud
<u>798</u>	<u>CGO</u>	<u>15</u>	<u>85</u>		
<u><del>311</del></u>	<u>GMLD</u>	<u>38</u>	<u>45</u>	<u>17</u>	
<u><del>3751</del></u>	<u><del>CGO</del> Gas in pipe</u>				

Rec Total 1109 BHT 148 Gravity 37 @ 60 API RW - @ - °F Chlorides - ppm

- (A) Initial Hydrostatic 2323
- (B) First Initial Flow 87
- (C) First Final Flow 221
- (D) Initial Shut-In 1130
- (E) Second Initial Flow 236
- (F) Second Final Flow 407
- (G) Final Shut-In 1029
- (H) Final Hydrostatic 2311

- Test 1300
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 118 RT 236
- Sampler
- Straddle
- Shale Packer 250
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1786

T-On Location 22:45 5-21  
 T-Started 23:35 5-21  
 T-Open 3:43  
 T-Pulled 7:00  
 T-Out 9:53

Comments Was told they were tripping out @ 10pm loaded tools 5/24 5:00

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 60  
 Final Shut-In 60

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 0  
 Total 1786  
 MP/DST Disc't

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