

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

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

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

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

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

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

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

Plug Back  Liner  Conv. to GSW  Conv. to Producer

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

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

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

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

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

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

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

**Drilling Fluid Management Plan**

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

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

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

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

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

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

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

Federal Tax I.D.# 20-2886107

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

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

No. 2491

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7/11/22	5	13	19	Ellis	Kansas		11:30pm
				Location			

Lease	Slaughter-Kroutzer	Well No.	1	Owner	Bernard LTD 2110 Emerald Rd NW S.W.
Contractor		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job		Charge To	Jason Oil		
Hole Size	12 1/4	T.D.	309'	Street	
Csg.	8 5/8	Depth	309'	City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	170 <sup>60%</sup> 3% cc 2% gel
Cement Left in Csg.	15'	Shoe Joint	15'		
Meas Line		Displace	18 1/2		

**EQUIPMENT**

Pumptrk	17	No.	Cementer	Torder	Common	136
			Helper		Poz. Mix	34
Bulktrk	14	No.	Driver	Tim	Gel.	3
			Driver		Calcium	37
Bulktrk	14	No.	Driver	David		
			Driver			

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 180
	Mileage

**FLOAT EQUIPMENT**

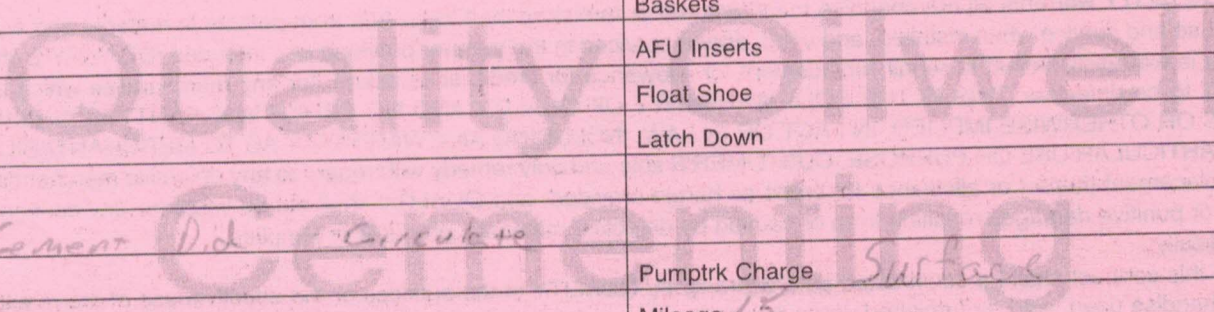
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge	Surface
	Mileage	15

	Tax
	Discount
	Total Charge

X Signature *[Signature]*

Thanks



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 2880

Date	7-9-22	Sec.	16	Twp.	9	Range	21	County	Ellis	State	KS	On Location		Finish	2:15 PM
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Location Yocemento 13 NW

Lease	Slaughter KRUEZER	Well No.	1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Discovery			Charge To	Jensen Oil Co.
Type Job	PTA				
Hole Size	7 7/8	T.D.	3920		
Csg.		Depth		Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered	305 60/40 4% Gel

Meas Line		Displace			
<b>EQUIPMENT</b>				Common	183
Pumptrk	17	No. Cementer Helper	Bill	Poz. Mix	122
Bulktrk		No. Driver	Mike	Gel.	11
Bulktrk		No. Driver		Calcium	
Bulktrk		No. Driver	ROSS		

<b>JOB SERVICES &amp; REMARKS</b>				Hulls	
Remarks:				Salt	
Rat Hole				Flowseal	75 #
Mouse Hole				Kol-Seal	
Centralizers				Mud CLR 48	
Baskets				CFL-117 or CD110 CAF 38	
D/V or Port Collar				Sand	
				Handling	3/6

3833	50 lbs			Mileage	
1546	50 lbs			<b>FLOAT EQUIPMENT</b>	
800	100 lbs			Guide Shoe	
360	50 lbs			Centralizer	
40	10 lbs			Baskets	
30	RH			AFU Inserts	
15	MH			Float Shoe	
				Latch Down	
				88 plug-1	
				Pumptrk Charge	plug
				Mileage	15

X Signature	Ry - Jensen			Tax	
				Discount	
				Total Charge	

Thanks

**OPERATOR**

Company: JASON OIL COMPANY, LLC  
 Address: 3718 183rd RD  
 P.O. BOX 701  
 RUSSELL, KS 67665  
 Contact Geologist: SHELDON BENNETT  
 Contact Phone Nbr: (785) 483-4204  
 Well Name: SLAUGHTER - KREUTZER #1  
 Location: NE SE NE SE Sec. 5 - 13S - 19W  
 API: 15-051-27038  
 Pool:  
 State: KANSAS  
 Field: N/A  
 Country: USA

Scale 1:240 Imperial

Well Name: SLAUGHTER - KREUTZER #1  
 Surface Location: NE SE NE SE Sec. 5 - 13S - 19W  
 Bottom Location:  
 API: 15-051-27038  
 License Number: 33813  
 Spud Date: 7/11/2022 Time: 2:30 PM  
 Region: ELLIS COUNTY KANSAS  
 Drilling Completed: 7/18/2022 Time: 4:10 PM  
 Surface Coordinates: 1742' FSL & 118' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation: 2176.00ft  
 K.B. Elevation: 2184.00ft  
 Logged Interval: 3200.00ft To: 3921.00ft  
 Total Depth: 3920.00ft  
 Formation: LANSING - KANSAS CITY: CONGLOMERATE SAND; ARBUCKLE  
 Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: -99.447055  
 Latitude: 38.948383  
 N/S Co-ord: 1742' FSL  
 E/W Co-ord: 118' FEL

**LOGGED BY**

Company: BIG CREEK CONSULTING, INC.  
 Address: 3504 DUNCAN ST  
 ST. JOE, MO 64507

Phone Nbr: (785) 259-3737  
 Logged By: GEOLOGIST

Name: JEFF LAWLER

**CONTRACTOR**

Contractor: DISCOVERY DRILLING  
 Rig #: 4  
 Rig Type: MUD ROTARY  
 Spud Date: 7/11/2022 Time: 2:30 PM  
 TD Date: 7/18/2022 Time: 4:10 PM  
 Rig Release: 7/19/2022 Time: 2:30 PM

### ELEVATIONS

K.B. Elevation: 2184.00ft  
K.B. to Ground: 8.00ft

Ground Elevation: 2176.00ft

### NOTES

DUE TO LACK OF RECOVERY & RESERVOIR DEVELOPMENT DECISION WAS MADE TO PLUG & ABANDON THE SLAUGHTER - KREUTZER #1.

RESPECTFULLY SUBMITTED,  
JEFF LAWLER

### WELL COMPARISON SHEET

FORMATION	SLAUGHTER - KREUTZER #1				C E2 S SE 5-13-19				NW SE SE 5-13-19				SW SW NE 4-13-19				SW SW SW 4-13-19					
	LOG TOPS		SAMPLE TOPS		LOG		LOG		SMPL.		LOG		LOG		SMPL.		LOGS		LOG		SMPL.	
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM
	LOGS	LOG	SMPL.	LOGS	LOG	SMPL.	LOGS	LOG	SMPL.	LOGS	LOG	SMPL.	LOGS	LOG	SMPL.	LOGS	LOG	SMPL.	LOGS	LOG	SMPL.	
ANHYDRITE TOP	1514	670	1514	670	1510	663	+ 7	+ 7	1526	653	+ 17	+ 17	1482	669	+ 1	+ 1	1512	658	+ 12	+ 12		
BASE	1559	625	1553	631	1547	626	- 1	+ 5	1562	617	+ 8	+ 14	1523	628	- 3	+ 3	1548	622	+ 3	+ 9		
TOPEKA	3223	-1039	3221	-1037	3214	-1041	+ 2	+ 4	3208	-1029	- 10	- 8	3187	-1036	- 3	- 1	3212	-1042	+ 3	+ 5		
HEEBNER SHALE	3458	-1274	3461	-1277	3453	-1280	+ 6	+ 3	3464	-1285	+ 11	+ 8	3422	-1271	- 3	- 6	3450	-1280	+ 6	+ 3		
TORONTO	3483	-1299	3483	-1299	3475	-1302	+ 3	+ 3	3487	-1308	+ 9	+ 9	3445	-1294	- 5	- 5	3473	-1303	+ 4	+ 4		
LKC	3505	-1321	3505	-1321	3497	-1324	+ 3	+ 3	3509	-1330	+ 9	+ 9	3467	-1316	- 5	- 5	3496	-1326	+ 5	+ 5		
BKC	3749	-1565	3750	-1566	3743	-1570	+ 5	+ 4	3756	-1577	+ 12	+ 11	3716	-1565	+ 0	- 1	3735	-1565	+ 0	- 1		
ARBUCKLE	3852	-1668	3864	-1680					3843	-1664	- 4	- 16	3801	-1650	- 18	- 30						
TOTAL DEPTH	3921	-1737	3920	-1736	3865	-1692	- 45	- 44	3870	-1691	- 46	- 45	3860	-1709	- 28	- 27	3765	-1595	- 142	- 141		

### DST #1 OREAD 3402' - 3420'

## DRILL STEM TEST REPORT

Jason Oil Company

5\_13\_19 Ellis, KS

3718 183RD St.

PO Box 701

Russell, KS 67665

ATTN: Jeff Lawler

**Slaughter-Kreutzer 1**

Job Ticket: 69119      **DST#: 1**

Test Start: 2022.07.14 @ 20:06:00

**GENERAL INFORMATION:**

Formation: **Oread**

Deviated: No    Whipstock:                      ft (KB)

Time Tool Opened: 22:19:30

Time Test Ended: 03:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: **3402.00 ft (KB) To 3420.00 ft (KB) (TVD)**

Reference Elevations: 2184.00 ft (KB)

Total Depth: 3420.00 ft (KB) (TVD)

2176.00 ft (CF)

Hole Diameter: 7.88 inches    Hole Condition:                      KB to GR/CF: 8.00 ft

**Serial #: 8652      Outside**

Press@RunDepth: 51.68 psig @ 3403.00 ft (KB)      Capacity: 8000.00 psig

Start Date: 2022.07.14      End Date: 2022.07.15      Last Calib.: 2022.07.15

Start Time: 20:06:00      End Time: 03:06:00      Time On Btm: 2022.07.14 @ 22:19:15

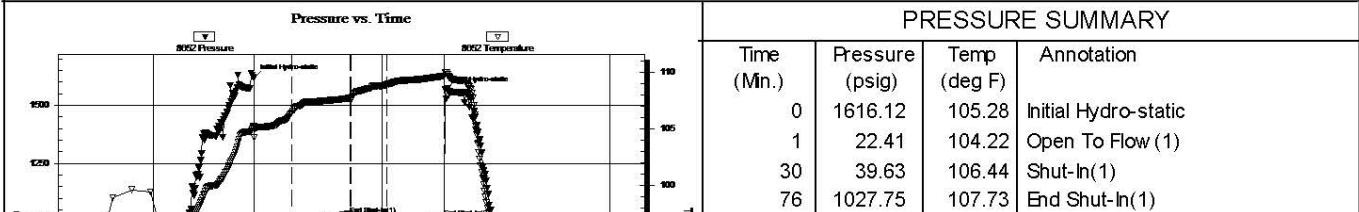
Time Off Btm: 2022.07.15 @ 00:50:15

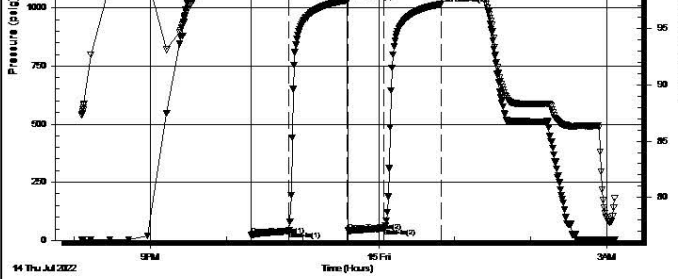
**TEST COMMENT:** IF-30- Built to 3 3/4"

SI1-45- No return

FF-30- Built to 1 3/4"

SI2-45- No return





77	41.38	107.50	Open To Flow (2)
105	51.68	108.94	Shut-In(2)
151	1016.62	109.70	End Shut-In(2)
151	1566.57	110.02	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
63.00	mud 100%	0.60
10.00	SOCM 2% oil 98% mud	0.14

**Gas Rates**


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

Trilobite Testing, Inc

Ref. No: 69119

Printed: 2022.07.15 @ 03:21:31

**DST #2 TORONTO - LKC C 3458' - 3550'**

 <p><b>TRILOBITE TESTING, INC</b></p>	<b>DRILL STEM TEST REPORT</b>	
	<p>Jason Oil Company 3718 183RD St. PO Box 701 Russell, KS 67665 ATTN: Jeff Lawler</p>	<p><b>5_13_19 Ellis, KS</b> <b>Slaughter-Kreutzer 1</b> Job Ticket: 69120      <b>DST#: 2</b> Test Start: 2022.07.15 @ 15:15:00</p>

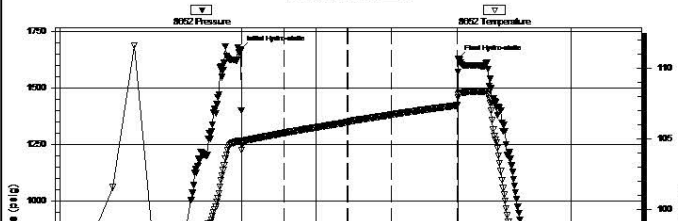
**GENERAL INFORMATION:**

Formation: <b>Toronto-LKC C</b>	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock:                      ft (KB)	Tester: Dustin Day
Time Tool Opened: 17:07:45	Unit No: 70
Time Test Ended: 21:30:45	Reference Elevations: 2184.00 ft (KB)
Interval: <b>3458.00 ft (KB) To 3550.00 ft (KB) (TVD)</b>	2176.00 ft (CF)
Total Depth: 3550.00 ft (KB) (TVD)	KB to GR/CF: 8.00 ft
Hole Diameter: 7.88 inches Hole Condition:	

<b>Serial #: 8652</b> <b>Outside</b>	Capacity: 8000.00 psig
Press@RunDepth: 38.22 psig @ 3459.00 ft (KB)	Last Calib.: 1899.12.30
Start Date: 2022.07.15      End Date: 2022.07.15	Time On Btm: 2022.07.15 @ 17:07:15
Start Time: 15:15:00      End Time: 21:30:45	Time Off Btm: 2022.07.15 @ 19:40:45

TEST COMMENT: IF-30- Built to 2"  
S11-45- No return  
FF-30- No blow , flushed tool, No blow  
S12-45- No return

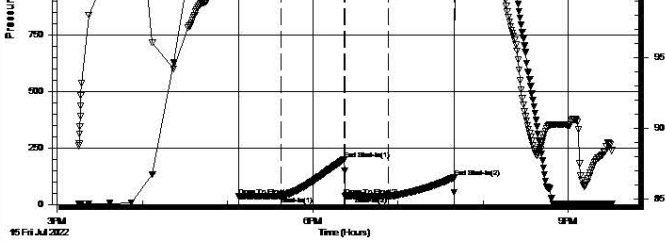
**Pressure vs. Time**



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.45	104.89	Initial Hydro-static
1	37.33	104.24	Open To Flow (1)
31	38.09	105.44	Shut-In(1)
75	198.84	106.19	End Shut-In(1)
76	37.99	106.20	Open To Flow (2)





106	38.22	106.72	Shut-In(2)
153	118.62	107.39	End Shut-In(2)
154	1630.80	108.13	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
40.00	mud 100 %	0.28

**Gas Rates**

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

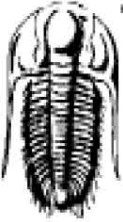
\* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 69120

Printed: 2022.07.15 @ 21:43:57

**DST #3 LKC D - F 3546' - 3600'**

 <p><b>TRILOBITE TESTING, INC.</b></p>	<b>DRILL STEM TEST REPORT</b>	
	<p>Jason Oil Company</p> <p>3718 183RD St. PO Box 701 Russell, KS 67665 ATTN: Jeff Lawler</p>	<p><b>5_13_19 Ellis, KS</b></p> <p><b>Slaughter-Kreutzer 1</b></p> <p>Job Ticket: 69121      <b>DST#: 3</b></p> <p>Test Start: 2022.07.16 @ 05:55:00</p>

**GENERAL INFORMATION:**

Formation: **LKC D-F**

Deviated: No Whipstock:                      ft (KB)

Time Tool Opened: 08:00:15

Time Test Ended: 12:15:15

Interval: **3546.00 ft (KB) To 3600.00 ft (KB) (TVD)**

Total Depth: 3600.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Reference Elevations: 2184.00 ft (KB)

2176.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8652      Outside**

Press@RunDepth: 63.98 psig @ 3547.00 ft (KB)

Start Date: 2022.07.16      End Date: 2022.07.16

Start Time: 05:55:00      End Time: 12:15:15

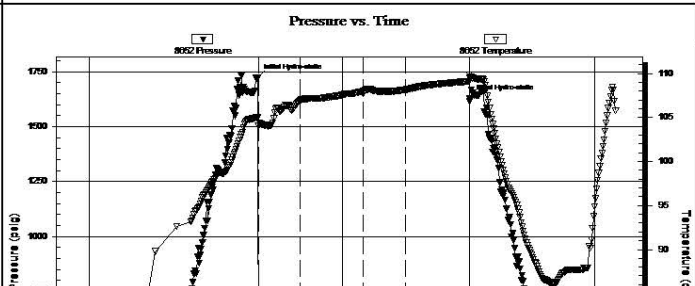
Capacity: 8000.00 psig

Last Calib.: 2022.07.16

Time On Btm: 2022.07.16 @ 08:00:00

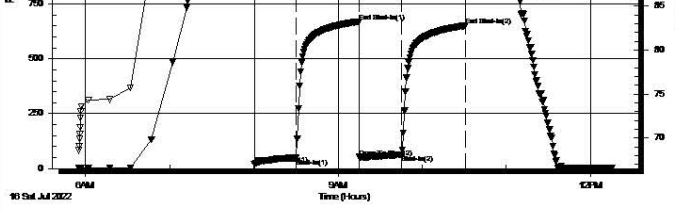
Time Off Btm: 2022.07.16 @ 10:31:15

**TEST COMMENT:** IF-30- Built to 4 1/4"  
 SI1-45- No retrun  
 FF-30- Built to 3"  
 SI2-45- No return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.26	104.94	Initial Hydro-static
1	20.81	104.02	Open To Flow (1)
31	47.93	106.95	Shut-In(1)
75	668.45	107.97	End Shut-In(1)
76	52.87	107.72	Open To Flow (2)
106	63.98	108.19	Shut-In(2)
151	1630.80	108.13	Final Hydro-static



151 649.65 109.12 End Shut-in(2)  
 152 1628.44 109.55 Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
71.00	mud 100%	0.71
31.00	SWCM 5% w ater 95% mud	0.43

**Gas Rates**

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


\* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 69121

Printed: 2022.07.16 @ 12:40:14

**DST #4 LKC H - I 3622' - 3680'**

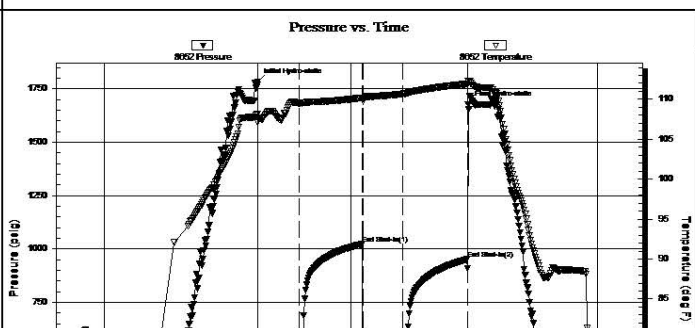
 <p><b>TRILOBITE TESTING, INC.</b></p>	<b>DRILL STEM TEST REPORT</b>	
	<table style="width: 100%;"> <tr> <td style="width: 50%;">           Jason Oil Company            3718 183RD St.            PO Box 701            Russell, KS 67665            ATTN: Jeff Lawler         </td> <td style="width: 50%; text-align: right;"> <b>5_13_19 Ellis, KS</b>  <b>Slaughter-Kreutzer 1</b>            Job Ticket: 69112      <b>DST#: 4</b>            Test Start: 2022.07.16 @ 23:44:00         </td> </tr> </table>	Jason Oil Company 3718 183RD St. PO Box 701 Russell, KS 67665 ATTN: Jeff Lawler
Jason Oil Company 3718 183RD St. PO Box 701 Russell, KS 67665 ATTN: Jeff Lawler	<b>5_13_19 Ellis, KS</b> <b>Slaughter-Kreutzer 1</b> Job Ticket: 69112 <b>DST#: 4</b> Test Start: 2022.07.16 @ 23:44:00	

**GENERAL INFORMATION:**

<b>Formation:</b> LKCH&I <b>Deviated:</b> No Whipstock: ft (KB) <b>Time Tool Opened:</b> 01:52:00 <b>Time Test Ended:</b> 06:13:30  <b>Interval:</b> 3622.00 ft (KB) To 3680.00 ft (KB) (TVD) <b>Total Depth:</b> 3680.00 ft (KB) (TVD) <b>Hole Diameter:</b> 7.88 inches <b>Hole Condition:</b>	<b>Test Type:</b> Conventional Bottom Hole (Reset) <b>Tester:</b> Dustin Day <b>Unit No:</b> 70  <b>Reference Elevations:</b> 2184.00 ft (KB) 2176.00 ft (CF) <b>KB to GR/CF:</b> 8.00 ft
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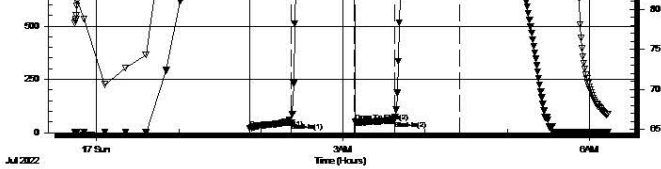
<b>Serial #: 8652</b>	<b>Outside</b>	<b>Press@RunDepth:</b> 58.50 psig @ 3623.00 ft (KB)	<b>Capacity:</b> 8000.00 psig
<b>Start Date:</b> 2022.07.16	<b>End Date:</b> 2022.07.17	<b>Last Calib.:</b> 2022.07.17	
<b>Start Time:</b> 23:44:00	<b>End Time:</b> 06:13:30	<b>Time On Btm:</b> 2022.07.17 @ 01:51:45	<b>Time Off Btm:</b> 2022.07.17 @ 04:25:30

**TEST COMMENT:** IF-30- Built to 3 3/4"  
 SI1-45- No return  
 FF-30- Built to 2 1/2"  
 SI2-45- No return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1784.20	108.16	Initial Hydro-static
1	20.75	107.07	Open To Flow (1)
31	47.28	109.53	Shut-In(1)
77	1022.85	110.19	End Shut-In(1)
77	51.80	109.77	Open To Flow (2)
106	58.50	110.68	Shut-In(2)
153	951.24	111.92	End Shut-In(2)
154	1677.23	112.31	Final Hydro-static



134	1077.22	112.51	Final Hydro-Static
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**Recovery**

Length (ft)	Description	Volume (bbl)
93.00	mud 100%	1.02

**Gas Rates**

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

\* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 69112

Printed: 2022.07.17 @ 06:22:33

**ROCK TYPES**

	Cht		Dolprim		shale, gry		shale, red
	Congl		Dolsec		Carbon Sh		
	Chtcongl		Lmst fw7>		Shblk		

**OTHER SYMBOLS**

**MISC**

- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

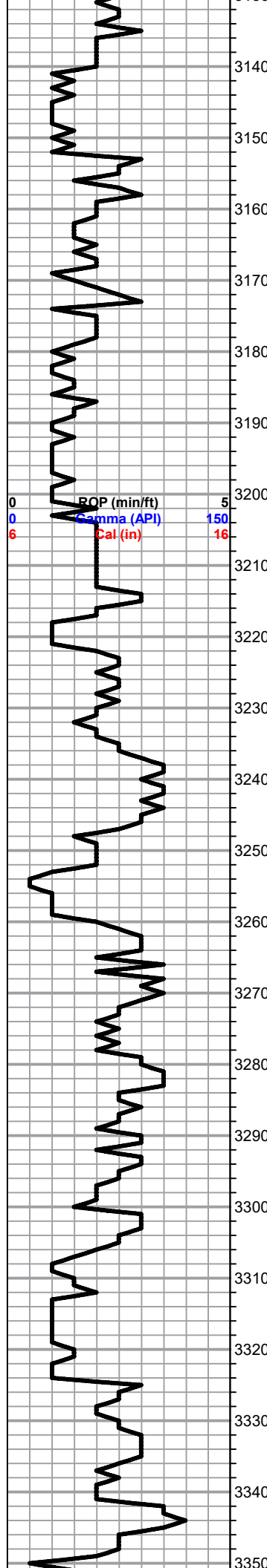
**DST**

- DST Int
- DST alt

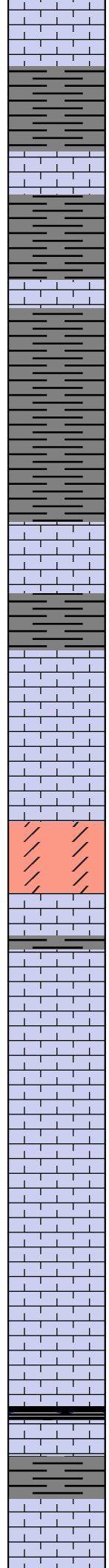
Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1			Curve Track #3			
ROP (min/ft)	Gamma (API)	Cal (in)	Depth   Intervals	Lithology	Oil Show	Geological Descriptions
0	0	6	5 150 16			
1:240 Imperial			Cored Interval DST Interval			
			3110 3120 3130			<p><b>1' DRILL TIME THROUGH ANHYDRITE FROM 1510' - 1580'</b>  <b>1' DRILL TIME FROM 3120' - RTD</b>  <b>10' WET/DRY SAMPLES FROM 3170' - RTD</b></p> <p><b>GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3120' - RTD</b></p> <p><b>8 5/8" SURFACE PIPE SET @ 308' SURVEY 1/4 deg.</b></p> <p><b>ANHYDRITE TOP 1514' (+670) E-LOG 1514' (+670)</b>  <b>ANHYDRITE BASE 1553' (+631) E-LOG 1559' (+625)</b></p>
1:240 Imperial						1:240 Imperial

BIT TRIP @ 2997' STRAP -0.68' SURVEY 0 deg.



ROP (min/ft) 5  
 Gamma (API) 150  
 Cal (in) 16



Sh- Gray, dns, sl calcareous

Lm- Cream, FXLN, fsl, lt sctrd chlorite, sctrd to dns XLN por, barren

Sh- Gray, sl calcareous & micaceous, some sandy, some waxy

Lm- Gray, trashy fsl fragments, few clastic, tight w/ poor vis. por, few sl chalky

Sh/Ss- Gray Frosted, Fn Grm, consolidated & mod. sorted, sub-rounded, sl micaceous, barren

A/A

Lm- Brown, FXLN, fsl w/ fragments, dns XLN por, sl trashy

**TOPEKA 3221' (-1037) E-LOG 3223' (-1039) 3223' (-1039)** Lm- Cream, VF-FXLN, sl fsl, mix of rare sctrd to dns XLN por, barren

Lm- Tan Buff, VFXLN, dns, tight, rare sctrd XLN por, barren

Lm- Buff, VFXLN, sctrd micro XLN por, sl fsl, tight

Dol- Cream Buff, FXLN, granular, dns interparticle por, barren

Sh- Gray Black, dns, some sl fsl, arenaceous & calcareous

Lm- Gray Buff, VF-FXLN, sl fsl, mostly tight, sctrd-dns XLN por, some w/ sctrd reXLN secondary por. barren

Lm- Cream Buff, VF-FXLN, fsl, tight to mod. dev., no vis to dns XLN por, barren

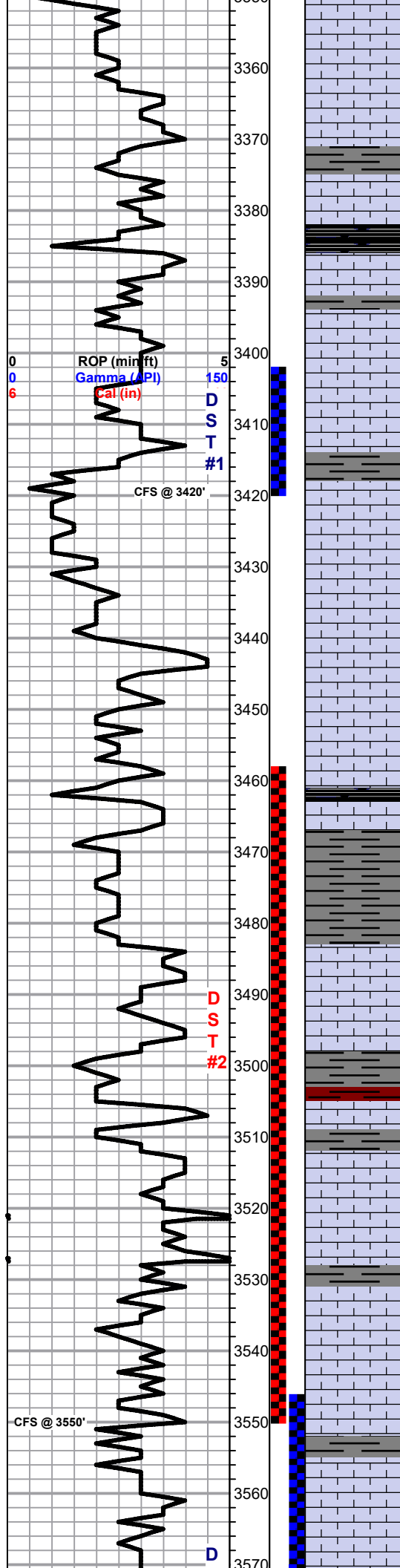
Lm- Lt Gray, FXLN, high-energy clastic, fsl w/ fragments, dns XLN por, some sl chalky in part, barren

Lm- Cream, FXLN, granular, some sl fsl, well cemented, dns interparticle por, sctrd mottling

A/A

Sh- Black Gray, sl fissile carbonaceous, sl calcareous

Lm- Off White Cream, VF-FXLN, mix of tight cherty Ls w/ min. vis. por & sl fsl w/ dns XLN & sctrd fn ppt por, vry clean & barren



A/A w/ some sl dolomitic w/ dns XLN & sctrd fn ppt por, barren

Lm- Buff Gray, VF-FXLN, fsl fragments, cherty Ls w/ dns XLN & secondary reXLN por, barren

Lm- Buff, VFXLN, dns, well cemented, tight cherty Ls w/ poor vis. por

Sh- Black Gray, fissile & carbonaceous, soft & sl calcareous

Lm- Cream Buff, FXLN, granular sl dolomitic Ls w/ interparticle por, barren, lt mottling

Lm- Cream, FXLN, granular dolomitic Ls w/ interparticle por, LT EDGE STN, TR SL GSY FO, WK ODR

Sh- Gray, soft & calcareous

Lm- Off White, FXLN, fsl, mostly consistent fn ppt por, LT SCTRD STN, NSFO, FR ODR

Lm- Cream, FXLN, sl fsl, dns XLN por, some sl chalky in part, well cemented, sctrd hvy mottling, barren

Lm/Chert- Brown Cream, FXLN, fsl fragments, trashy, high-energy, semi-clastic, dns XLN & sctrd secondary reXLN por & fsl fresh bedded chert, barren

**HEEBNER 3461' (-127) E-LOG 3458' (-1274)** Sh- Black Gray, fissile & carbonaceous, calcareous

Sh/Ss- A/A w/ mod. cemented, VF Grn Ss, consolidated & well sorted, tight & barren

**TORONTO 3483' (-1299) E-LOG 3483' (-1299)** Lm- Off White, VF-FXLN, mix of tight well cemented w/ sctrd micro XLN & fsl & sl oolitic w/ dns XLN & sctrd vry ppt por, SCTRD DRK STN, TR GSY FO, TR ODR

Lm- Buff, VFXLN, tight dns cherty Ls w/ min. vis. por, barren

Sh- Gray Maroon, calcareous, earthy

**LKC 3505' (-1321) E-LOG 3505' (-1321)** Lm- Cream Buff, FXLN, sl fsl, sctrd XLN por, vry clean & barren

Lm- Buff Gray, FXLN, sl fsl, mostly tight w/ sctrd XLN por, sl trashy, barren

Sh- Gray, calcareous & sl sandy

Lm- Cream Off White, FXLN, fsl & sl oolitic, sctrd dns vry fn ppt & XLN por, SCTRD DRK STN, TR GSY FO, WK ODR

Lm- Cream, F-MedXLN, fsl & oolitic, sctrd-dns XLN, ppt, & secondary reXLN por, SCTRD DRK STN, TR GSY FO, FR ODR

Sh- Gray Maroon, waxy & dns, earthy

Lm- Off White, fsl & sl oolitic, dns vry fn ppt por, well cemented, SCTRD DRK STN, TR FO, FR ODR

SHORT TRIP SURVEY 0 deg

DST #1 OREAD 3402' - 3420' 30-45-30-45

73' TOTAL FLUID 10' SLOCM (2% O, 98% M) 63' MUD

IFP: 22-40# FFP: 41-52# SIP: 1028-1017#

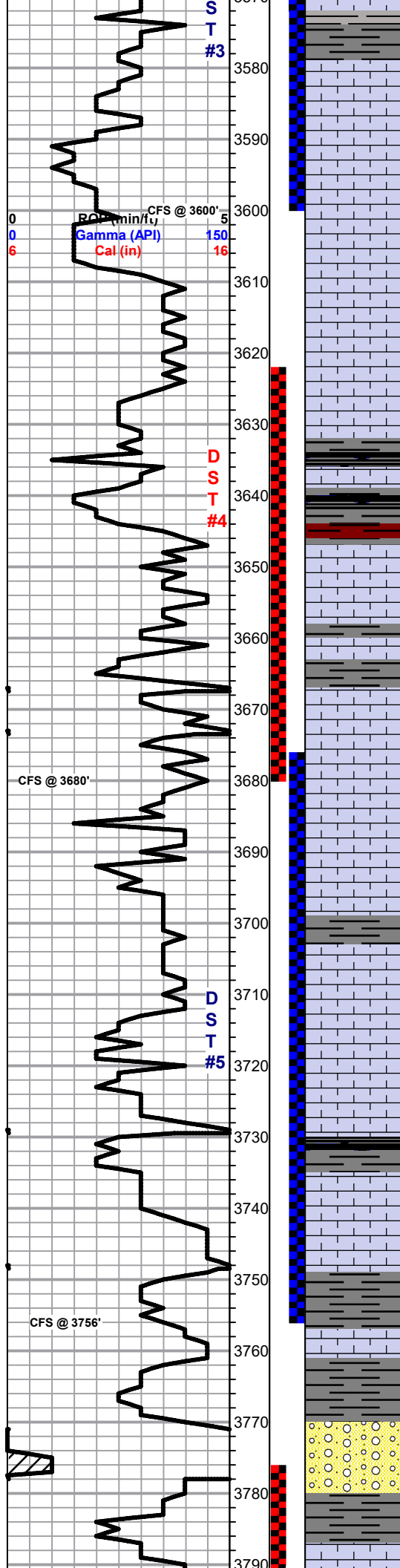
DST #2 TORONTO - LKC C 3458' - 3550' 30-45-30-45

40' MUD

IFP: 37-38# FFP: 38-38# SIP: 199-119#

DST #3 LKC D - F 3546' - 3600' 30-45-30-45

102' TOTAL FLUID 71' MUD 31' SLWCM (5% W, 95% M)



Sh- Black Gray Green, waxy & dns, calcareous & sl fsl

Lm- Off White, FXLN, oolitic, well dev. w/ dns XLN & ppt por. throughout, SCTRD DRK STN, TR FO, GD ODR, few w/ sctrd reXLN veins

Lm- White Off White, F-MedXLN, hvy oolitic, massive, dns ppt inter oolite por., DRK STN, GD SHW FO, GD ODR

Dol/Lm- Cream Off White, VF-FXLN, mix of sl fsl & sl oolitic Ls, tight cherty Ls w/ sctrd XLN & sctrd XLN & rare fn ppt por, all vry clean & barren & VFXLN dolomite w/ vry sctrd vuggy por, SCTRD DRK STN, TR THICK FO, NODR

Lm/Chert- Off White Lt Brown, Crypto-FXLN, mix of sl tripolitic bedded chert & tight sl fsl Ls w/ micro & sctrd XLN por, all vry clean & barren

Sh- Black Gray Maroon, fissile & carbonaceous, blocky & waxy, earthy

Lm- Cream Buff, FXLN, mix of fsl Ls w/ dns XLN & sctrd ppt por, SCTRD DRK STN, TR GSY FO, FR ODR, & dolomitic Ls w/ consistent micro XLN por, SCTRD LT STN, NSFO, ODR A/A

Sh- Gray Maroon, waxy & blocky, earthy

Lm- Off White, F-Crs XLN, oolitic & fsl, sctrd oolitic dev., few clusters w/ ppt interoolite por, most w/ dns XLN & sctrd ppt & sctrd reXLN secondary por, SCTRD DRK ST, NSFO, FR ODR

Lm- Tan, VFXLN, tight cherty Ls w/o vis. por.

Lm/Dol- Off White Tan, VF-FXLN, mix of sl fsl Ls w/ sctrd-dns XLN, sctrd reXLN veins, & sctrd fn ppt por, mod. well dev., & dolomitic Ls w/ dns XLN & vry fn ppt por, ALL W/ DRK STN, TR TO HVY SH FO, GD ODR

A/A w/ influx of dolomitic Ls, & loosely cemented fsl w/ dns XLN por., barren

Lm- Cream Off White, VF-FXLN, tight mix of oolitic cherty Ls w/ poor vis. por, & sl dolomitic Ls w/ sctrd micro XLN por, all barren

Lm- Off White, FXLN, fsl & oolitic, dns XLN & sctrd ppt por, mostly barren, FEW PCS W/ TR STN, NSFO, TR ODR

Lm/Chert- mix of CryptoXLN bedded chert & cherty Ls w/ sctrd XLN por, barren

Sh- Black Gray, soft, carbonaceous, waxy

Lm- Off White, VF-FXLN, fsl & oolitic, poorly dev. w/ dns microXLN & sctrd XLN por, few sl chaky in part & crumbley, vry clean & barren

A/A w/ influx of dns cherty Ls

**BKC 3750' (-1566) E-LOG 3749' (-1565)** Sh- Gray Black Maroon, micaceous & calcareous, semi-soft, earthy

Sh- Maroon, earthy

Conglomerate Ls- Maroon tint, FXLN, dns, well cemented, sctrd XLN por, barren

Sh- Gray Maroon, waxy, massive

Lm/Chert- White Tan Semi-translucent, Crypto-FXLN, mix of loosely cemented FXLN

IFP: 21-48#  
FFP: 53-64#  
SIP: 668-650#  
BHT: 109 deg.

DST #4 LKC H - I  
3622' - 3680'  
30-45-30-45

95' MUD

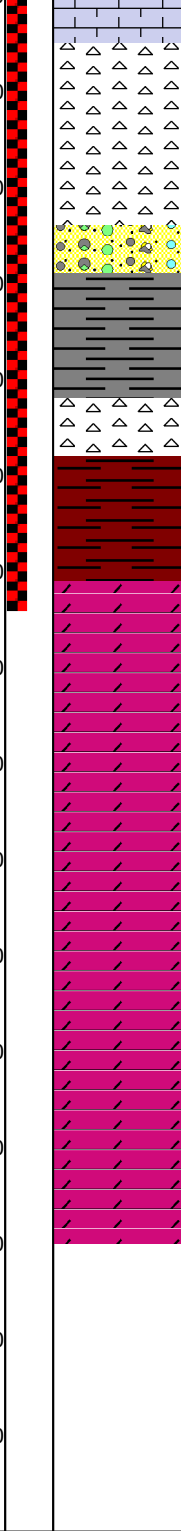
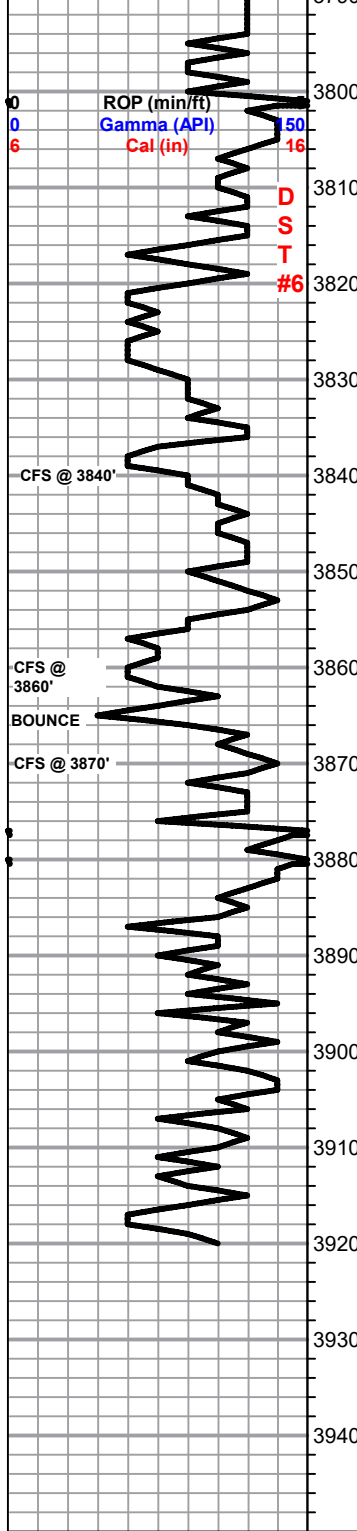
IFP: 21-47#  
FFP: 52-59#  
SIP: 1023-951#  
BHT: 112 deg.

DST #5 LKC J - L  
3677' - 3756'  
30-45-30-45  
(CHART BELOW)

41' MUD

IFP: 21-34#  
FFP: 34-41#  
SIP: 1122-1090#  
BHT: 111 deg.

DST 5.jpg



3800 D Ls & fresh bedded vitreous chert, all barren

3800 Chert- Salmon Lt Gray Off White, VFXLN, dns well cemented dolomitic & fresh bedded chert, 2-3 PCS W/ BLK DEAD OIL STN, NSFO, NODR

3810 D Chert- Salmon Off White, mix of fresh bedded & dolomitic chert w/ dns micro XLN por, all barren

3820 D Conglomerate Chert- Off White Salmon Lt Gray, micro XLN cherty dolomite/dolomitic chert & detrital chert, 1-2 PCS OF OFF WHITE SL CHERTY DOLOMITE W/ BLK DEAD OIL STN, NSO, NO ODR

3830 Chert- Various opaque colors of fresh bedded chert, several pcs of cryptoXLN oolitic fresh bedded vitreous chert

3840 CFS @ 3840'

3850 Sh- Marron Gray, earthy, waxy

3860 Dol- Cream Buff, FXLN, semi-sucrosic, consistent XLN por throughout, barren

3860 Dol- Cream w/ maroon tint, Med-Crs XLN, massive, sucrosic, consistent XLN & sctrd ppt por, barren

3860 **ARBUCKLE 3864' (-1680) E-LOG 3852' (-1668)** Dol- Cream Off White, F-Crs XLN, well dev. mix, all semi-sucrosic to sucrosic, consistent XLN & ppt por, barren

3870 Dol- White Cream, A/A w/ VF-FXLN, dns, well cemented, consistent XLN por, barren, several pcs of sl cherty dol.

3880 Dol- Tan, F-Crs XLN, well dev. well cemented, massive, consistent XLN & sctrd ppt por, barren

3890 A/A influx of Med-Crs XLN

3900 Dol- Cream Tan, F-MedXLN, dns, well cemented, consistent XLN & sctrd vry fn ppt por, barren

3910 A/A w/ several pcs of oolitic fresh bedded vitreous chert & Crs XLN Tan dolomite, sucrosic w/ consistent ppt por, barren

3920 Dol- Tan, Med XLN, oolitic sl oomoldic w/ dns XLN por, barren

**RTD 3920' (-1736) LTD 3921' (-1737) @ 16:10 7/18/2022**

DST #6  
CONGLOERATE (STRADDLE)  
3776' - 3854'

(CHART BELOW)

2' MUD

IFP: 58-59#  
FFP: 57-59#  
SIP: 84-71#  
BHT: 115 deg.

DST 6.jpg  
DST 6\_B...

SHORT TRIP  
CTCH  
SURVEY 3/4 deg.  
TOH FOR LOG







