

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. 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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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. 2615

Date	11-18-21	Sec.	8	Twp.	16	Range	11	County	Barton	State	Ks	On Location		Finish	11:00 AM			
Location													Beaver - SE, 2 1/2 N, E/S					
Lease	Wirth		Well No.		8		Owner											
Contractor	Discovery #2		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	Surface		Charge To									Jason oil						
Hole Size	12 1/4"		T.D.		416'		Street											
Csg.	32# 8 5/8"		Depth		416'		City									State		
Tbg. Size			Depth		The above was done to satisfaction and supervision of owner agent or contractor.													
Tool			Depth		Cement Amount Ordered									200 80/20 3% CC 2 1/2 bel				
Cement Left in Csg.	16'		Shoe Joint		16'		Meas Line									24 BLS Displace 20 BLS		
EQUIPMENT																		
Pumptrk	16	No.		Cementer	Craig	Helper	David	Common										
Bulktrk	14	No.		Driver	Duke	Poz. Mix												
Bulktrk	P.U.	No.		Driver	Rick	Gel.												
JOB SERVICES & REMARKS																		
Remarks:	Cement did Circulate																	
Rat Hole																		
Mouse Hole																		
Centralizers																		
Baskets																		
D/V or Port Collar																		
FLOAT EQUIPMENT																		
Guide Shoe																		
Centralizer																		
Baskets																		
AFU Inserts																		
Float Shoe																		
Latch Down																		
Pumptrk Charge Surface																		
Mileage 35																		
Thanks																		
Tax Discount																		

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. 2615

Date	11-25-21	Sec.	8	Twp.	16	Range	11	County	Barton	State	Ks	On Location		Finish	10:30 AM			
Location													Beaver - SE to 110 Ave, 2 1/2 N E/into					
Lease	Wirth		Well No.		8		Owner											
Contractor	Discovery #2		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	Logging		Charge To									Jason oil						
Hole Size	7 7/8"		T.D.		3400'		Street											
Csg.	5 1/2" 14# used		Depth		3399'		City									State		
Tbg. Size			Depth		The above was done to satisfaction and supervision of owner agent or contractor.													
Tool			Depth		Cement Amount Ordered									180 Com 10% Salt 5%				
Cement Left in Csg.	42.57'		Shoe Joint		42.57'		Meas Line									82 BLS Gilsonite - 500 gal mud Clear		
EQUIPMENT																		
Pumptrk	16	No.		Cementer	David	Helper		Common 180										
Bulktrk	14	No.		Driver	Doug	Poz. Mix												
Bulktrk	P.U.	No.		Driver	Rick	Gel.												
JOB SERVICES & REMARKS																		
Remarks:																		
Rat Hole	305x																	
Mouse Hole	N/A																	
Centralizers	10' above float shoe - 4, 6, 8, 10, 12																	
Baskets	2																	
D/V or Port Collar	Pipe on bottom break																	
Circulation pump 500 gal mud Clear plug rat hole w/ 305x Cement 3 1/2" casing w/ 150x. Shut down, wash pump + lines. Released plug + displaced w/ 82 BLS Released + held.																		
Lift pressure 700#																		
Land plug to 1400#																		
Pumptrk Charge Prod string																		
Mileage 34																		
Thanks																		
X Signature Tom Beem																		

Scale 1:240 Imperial

Well Name: WIRTH #8
Surface Location: SW NE NW SW Sec. 8 - 16S - 11W
Bottom Location:
API: 15-009-26305
License Number: 33813
Spud Date: 11/17/2021 Time: 6:15 AM
Region: BARTON COUNTY, KS
Drilling Completed: 11/24/2021 Time: 11:10 AM
Surface Coordinates: 2220' FSL & 750' FWL
Bottom Hole Coordinates:
Ground Elevation: 1853.00ft
K.B. Elevation: 1861.00ft
Logged Interval: 2500.00ft To: 3400.00ft
Total Depth: 3400.00ft
Formation: LANSING-KANSAS CITY; ARBUCKLE
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

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: WIRTH #8
Location: SW NE NW SW Sec. 8 - 16S - 11W
API: 15-009-26305
Pool: Field: KRAFT-PRUSA
State: KANSAS Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -98.569326
Latitude: 38.67304
N/S Co-ord: 2220' FSL
E/W Co-ord: 750' FWL

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 #: 2
Rig Type: MUD ROTARY
Spud Date: 11/17/2021 Time: 6:15 AM
TD Date: 11/24/2021 Time: 11:10 AM
Rig Release: 11/25/2021 Time: 11:30 AM

ELEVATIONS

K.B. Elevation: 1861.00ft
K.B. to Ground: 8.00ft

Ground Elevation: 1853.00ft

NOTES

DUE TO ECONOMICAL RECOVERY ON DST #3 DECISION WAS MADE TO RUN 5 1/2" PRODUCTION CASING TO FURTHER EVALUATE UPON COMPLETION.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

FORMATION	P&A 5/1985				X				•				•							
	CINCRIS ENERGY CO., INC.				THE ROXANA CORP.				JASON OIL				JASON OIL							
	WIRTH #1				WIRTH #2				WIRTH #1				WIRTH #5							
	WIRTH #8		1853		NE NW SW 8-16-11		1868		NE NE SW 8-16-11		1826		N2 N2 SE 7-16-11		1820		NW NE SW SW 8-16-11		1859	
LOG TOPS	SAMPLE TOPS	LOG	LOG	SMPL.	COMP. CARD	LOG	SMPL.	LOGS	LOG	SMPL.	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.				
DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	
ANHYDRITE TOP	720	1141	721	1140	716	1152	- 11	- 12	690	1136	+ 5	+ 4	675	1145	- 4	- 5	710	1149	- 8	- 9
BASE	744	1117	743	1118	738	1130	- 13	- 12					700	1120	- 3	- 2	735	1124	- 7	- 6
TOPEKA	2620	-759	2622	-761									2568	-748	- 11	- 13	2607	-748	- 11	- 13
HEEBNER SHALE	2907	-1046	2910	-1049	2901	-1033	- 13	- 16	2880	-1054	+ 8	+ 5	2851	-1031	- 15	- 18	2893	-1034	- 12	- 15
TORONTO	2926	-1065	2926	-1065	2919	-1051	- 14	- 14	2897	-1071	+ 6	+ 6	2869	-1049	- 16	- 16	2911	-1052	- 13	- 13
DOUGLAS SHALE	2936	-1075	2936	-1075	2930	-1062	- 13	- 13	2908	-1082	+ 7	+ 7	2882	-1062	- 13	- 13	2922	-1063	- 12	- 12
BROWN LIME	3001	-1140	3000	-1139	2994	-1126	- 14	- 13	2971	-1145	+ 5	+ 6	2943	-1123	- 17	- 16	2986	-1127	- 13	- 12
LKC	3016	-1155	3013	-1152	3014	-1146	- 9	- 6	2986	-1160	+ 5	+ 8	2960	-1140	- 15	- 12	3000	-1141	- 14	- 11
BKC	3280	-1419	3282	-1421	3275	-1407	- 12	- 14	3262	-1436	+ 17	+ 15	3228	-1408	- 11	- 13	3263	-1404	- 15	- 17
CONGLOMERATE									3288	-1462										
REWORKED ARBUCKLE													3264	-1444						
ARBUCKLE	3298	-1437	3303	-1442	3310	-1442	+ 5	+ 0	3324	-1498	+ 61	+ 56	3274	-1454	+ 17	+ 12	3284	-1425	- 12	- 17
TOTAL DEPTH	3401	-1540	3400	-1539	3350	-1482	- 58	- 57	3330	-1504	- 36	- 35	3330	-1510	- 30	- 29	3360	-1501	- 39	- 38

DST #1 LKC A - C 3005' - 3065'



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
Elevation: 1854 EGL
Field Name: Kraft-Prusa
Pool: Infield
Job Number: 487
API #: 15-009-26305

Operation:
Test Complete

DATE
November
22
2021

DST #1 Formation: L/KC "A-C" Test Interval: 3005 - 3065' Total Depth: 3065'

Time On: 07:11 11/22 Time Off: 13:49 11/22
Time On Bottom: 09:06 11/22 Time Off Bottom: 11:36 11/22

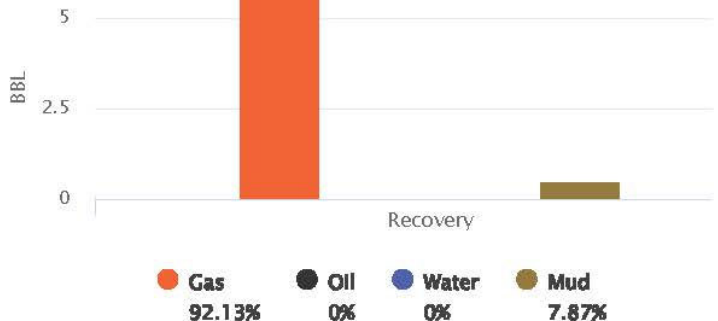
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
410	5.8343	G	100	0	0	0
35	0.49805	M	0	0	0	100

Total Recovered: 445 ft
Total Barrels Recovered: 6.33235

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	1419	PSI
Initial Flow	16 to 20	PSI
Initial Closed in Pressure	193	PSI
Final Flow Pressure	22 to 26	PSI
Final Closed in Pressure	411	PSI
Final Hydrostatic Pressure	1415	PSI
Temperature	101	°F

DST #1 LKC A - C 3005' - 3065'



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
Elevation: 1854 EGL
Field Name: Kraft-Prusa
Pool: Infield
Job Number: 487
API #: 15-009-26305

Operation:
Test Complete

DATE
November
22
2021

DST #1 **Formation: L/KC "A-C"** **Test Interval: 3005 - 3065'** **Total Depth: 3065'**
Time On: 07:11 11/22 Time Off: 13:49 11/22
Time On Bottom: 09:06 11/22 Time Off Bottom: 11:36 11/22

Electronic Volume Estimate:
405'

1st Open
Minutes: 15
Current Reading:
12.4" at 15 min
Max Reading: 12.4"

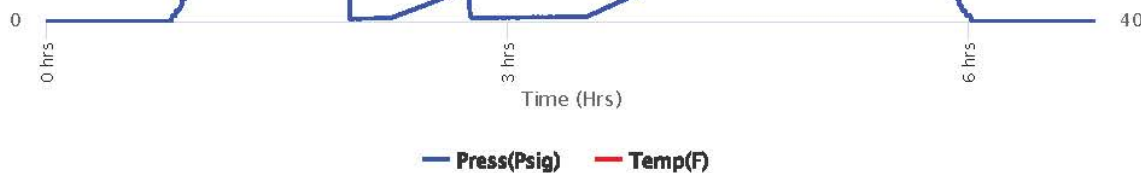
1st Close
Minutes: 5
Current Reading:
0" at 5 min
Max Reading: 0"

2nd Open
Minutes: 45
Current Reading:
40.2" at 45 min
Max Reading: 40.2"

2nd Close
Minutes: 60
Current Reading:
0" at 60 min
Max Reading: 0"

Inside Recorder





DST #2 LKC D - F 3057' - 3100'



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
 Elevation: 1854 EGL
 Field Name: Kraft-Prusa
 Pool: Infield
 Job Number: 487
 API #: 15-009-26305

Operation:
 Uploading recovery & pressures

DATE
 November
23
 2021

DST #2 **Formation: L/KC "D-F"** **Test Interval: 3057 - 3100'** **Total Depth: 3100'**
 Time On: 00:34 11/23 Time Off: 07:01 11/23
 Time On Bottom: 02:31 11/23 Time Off Bottom: 05:01 11/23

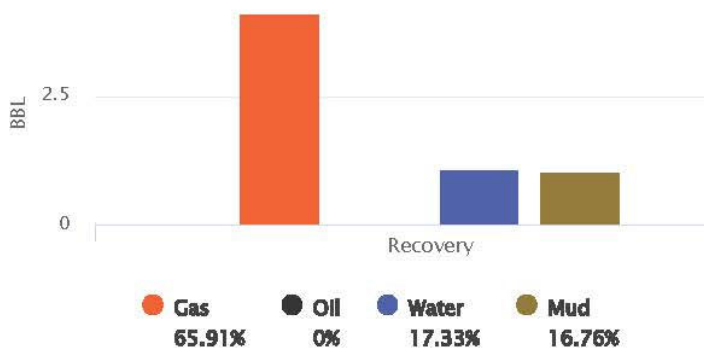
<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
290	4.1267	G	100	0	0	0
25	0.35575	M	0	0	0	100
125	1.77875	HMCW	0	0	61	39

Total Recovered: 440 ft
 Total Barrels Recovered: 6.2612

Reversed Out
NO

Initial Hydrostatic Pressure	1433	PSI
Initial Flow	19 to 35	PSI
Initial Closed in Pressure	607	PSI
Final Flow Pressure	40 to 84	PSI
Final Closed in Pressure	603	PSI
Final Hydrostatic Pressure	1429	PSI
Temperature	100	°F
Pressure Change Initial	0.8	%

Recovery at a glance



DST #2 LKC D - F 3057' - 3100'



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
Elevation: 1854 EGL
Field Name: Kraft-Prusa
Pool: Infield
Job Number: 487
API #: 15-009-26305

Operation:
Uploading recovery & pressures

DATE
November
23
2021

DST #2 **Formation: L/KC "D-F"** **Test Interval: 3057 - 3100'** **Total Depth: 3100'**
Time On: 00:34 11/23 Time Off: 07:01 11/23
Time On Bottom: 02:31 11/23 Time Off Bottom: 05:01 11/23

Electronic Volume Estimate:
394'

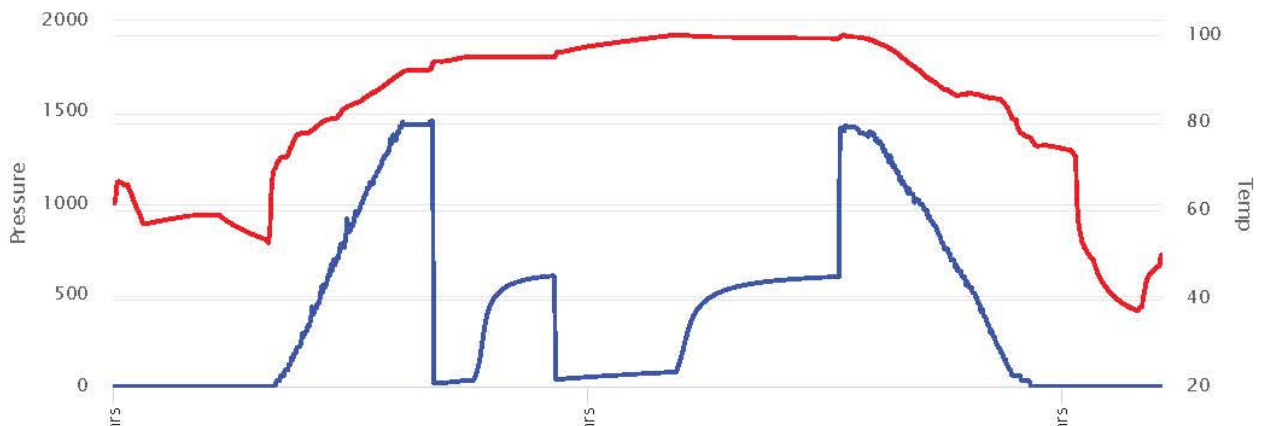
1st Open
Minutes: 15
Current Reading: 18.7" at 15 min
Max Reading: 18.7"

1st Close
Minutes: 30
Current Reading: 0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 45
Current Reading: 32.3" at 45 min
Max Reading: 32.3"

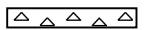







2nd Close
Minutes: 60
Current Reading: 0" at 60 min
Max Reading: 0"

Inside Recorder



— Press(Psig) — Temp(F)

ROCK TYPES

 Cht	 Lmst fw7>	 shale, gry	 shale, red
 Dolprim	 shale, grn	 Carbon Sh	 Ss










ACCESSORIES

MINERAL
 Glauconite

STRINGER
 Chert

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

Curve Track #1				Curve Track #3
ROP (min/ft)	Gamma (API)	Cal (in)	Depth Intervals	Geological Descriptions
			DST	
1:240 Imperial				1:240 Imperial
0	7	7	Cored Interval	
0	150	150	DST Interval	
6	16	16	DST Interval	
2460				

1' DRILL TIME THROUGH ANHYDRITE FROM 690' - 750'

1' DRILL TIME FROM 2500' - RTD

10' WET/DRY SAMPLES FROM 2550' - RTD

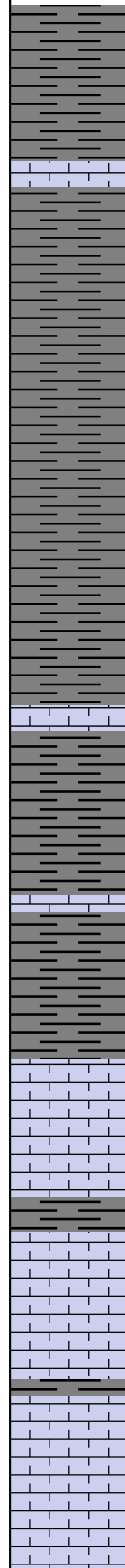
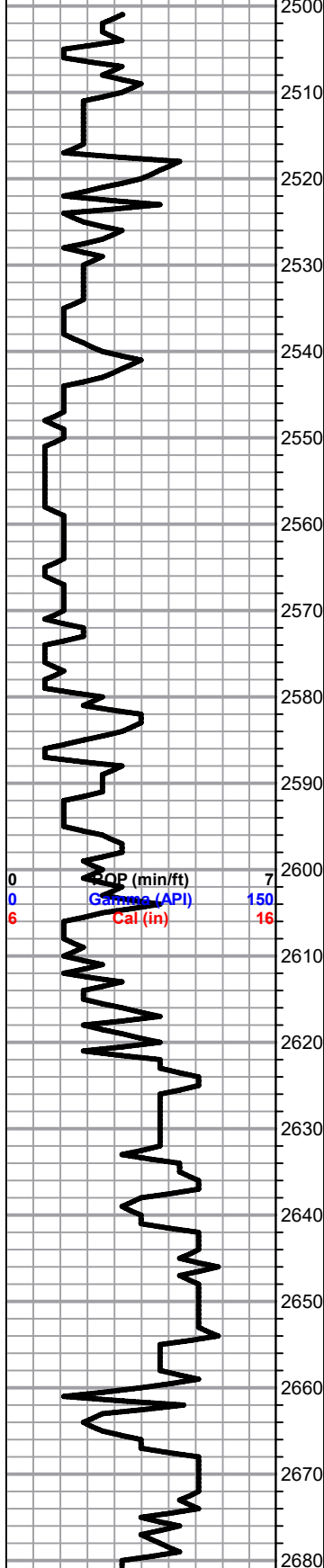
GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 2500' - RTD

8 5/8" SURFACE PIPE SET @ 416' SURVEY 1/4 deg.

**ANHYDRITE TOP 721' (+1140) E-LOG 720' (+1141)
ANHYDRITE BASE 743' (+1118) E-LOG 744' (+1117)**

2470
2480
2490
2500
2510
2520
2530
2540
2550
2560
2570
2580
2590
2600
2610
2620
2630
2640
2650
2660
2670
2680

0
0
6
ROP (min/ft)
Gamma (API)
Cal (in)
7
150
16



Sh- Gray Green, dense & waxy, argillaceous wash, sandy shale, some Ss, barren

Ss- A/A w/ well cemented Fn Grn Ss, consolidated & mod. sorted, barren

Lm- Cream Tan Gray, FXLN, fsl mix, well cemented, w/ sctrd XLN porosity, some trashy claistic w/ secondary reXLN porosity, barren

Sh- Gray, silty & calcareous, abundant argillaceous wash

Lm- Cream Off White, FXLN, fsl, well cemented & tight w/ sctrd micro XLN & secondary reXLN porosity, barren

Sh- Gray White, silty & calcareous, argillaceous clumps/wash

TOPEKA 2622' (-761) E-LOG 2620' (-759) Lm- Cream, FXLN, sl fsl, mostly tight & poorly dev. sctrd XLN porosity, barren

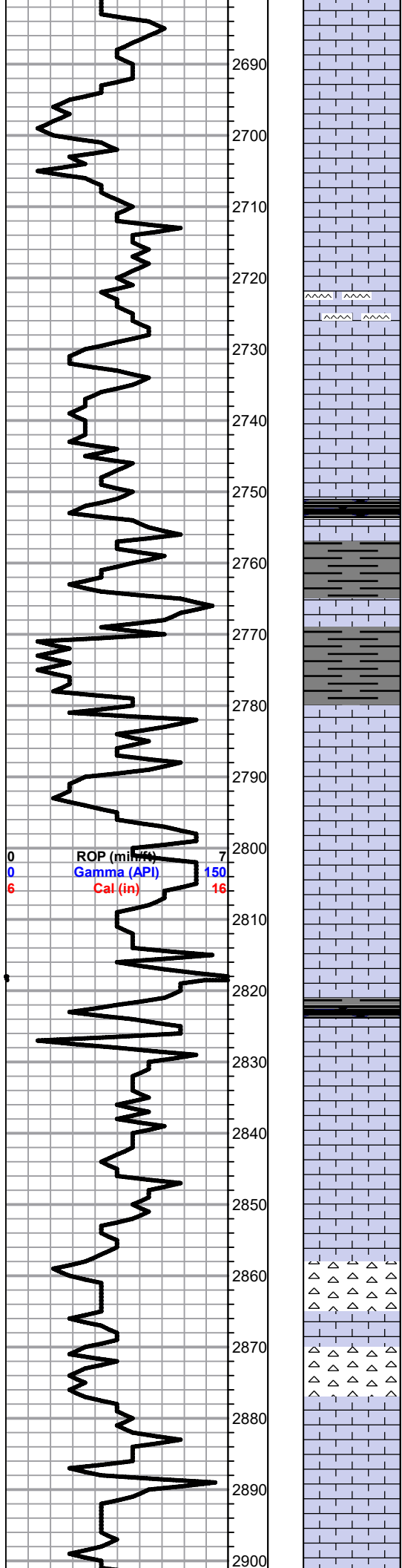
Lm- Gray Buff Tan, FXLN, sl fsl, mostly w/ micro XLN porosity, some heavily mottled & pebbly

Sh- Gray Maroon, silty & calcareous, gritty & earthy

Lm- Gray, VFXLN, dense, well cemented, tight w/ min. vis. porosity

Sh- Gray, sandy, some silty & calcareous

Lm- Buff Cream, VFXLN, dense, well cemented, sctrd mottling, barren



Lm- Gray, VF-XLN, dense, tight, poorly dev. & barren

Lm- Cream Off White, FXLN, dense, well cemented, sl fsl, few loose fusulinids, dense XLN & secondary reXLN porosity, sl cherty Ls, some sctrd clear replacement cementation, barren

Lm- Cream Off White, FXLN, fsl, trashy clastic w/ dense XLN & fn ppt porosity, barren

Chert- Gray Milky White, fresh bedded, sl fsl, vitreous w/ no vis. porosity, some grainy sl dolomitic w/ sctrd micro XLN porosity, all clean & barren

Lm- Gray, VF-XLN, fsl, semi-clastic cherty Ls w/ dense XLN porosity, barren

Lm- Cream Off White, FXLN, fsl, dense, well cemented, cherty Ls w/ sctrd XLN porosity, barren

Sh- Black Gray, fissile & carbonaceous

Lm- Cream Off White, VF-XLN, dense, well cemented & tight w/ min. vis porosity, clean & barren

Sh- Gray, calcareous, some sandy

Lm- Cream Off White, FXLN, vry fsl, mix, some sl dolomitic & cherty Ls, sctrd-dense XLN porosity, barren

Lm- Cream Off White, FXLN, dense, well cemented, sl trashy & fsl, dense XLN & secondary reXLN porosity, barren

Sh- Black Gray, fissile & carbonaceous, silty & calcareous

Lm- Cream Off White, FXLN, fsl, sctrd to dense XLN & secondary reXLN porosity, sctrd mottling, barren

Lm- A/A w/ chalky in part

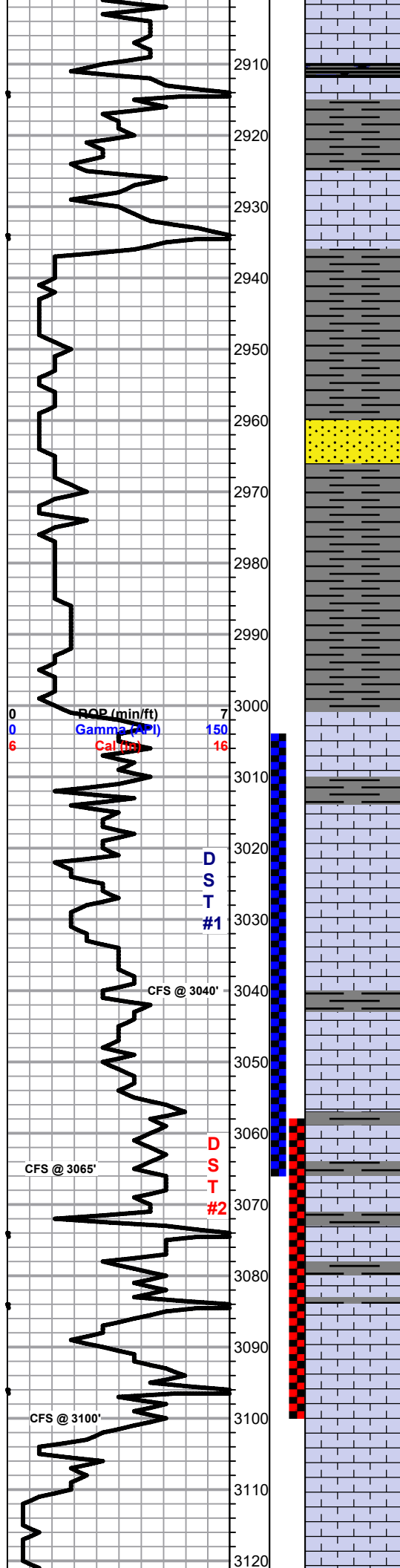
Chert- Lt Gray, fsl vitreous fresh bedded cryptoXLN

Lm- Cream Semi-translucent, FXLN, oolitic, FRACTURED, dense XLN & secondary XLN porosity, 2-3 PCS W/ DRK EDGE STN, NSFO, NO ODR

Lm- Cream Off White, VF-FXLN, dense, loosely cemented, chalky in part, much soft chalk, sctrd XLN porosity, mottled, barren

Lm- Buff, VF-XLN, dense & tight w/ min. to no vis. porosity, barren

Lm- Cream Off White, VF-FXLN, dense, well cemented, sl fsl, sctrd XLN porosity, some soft white chalk, barren



HEEBNER 2910' (-1049) E-LOG 2907' (-1046) Sh- Black, fissile & carbonaceous, argillaceous wash

TORONTO 2926' (-1065) E-LOG 2926' (-1065) Lm- Cream Off White, FXLN, loosely cemented, chalky in part, sctrd XLN porosity, clean & barren

DOUGLAS SHALE 2936' (-1075) E-LOG 2936' (-1075) Sh- Gray Green Maroon, abundant argillaceous wash

Sh- A/A w/ micaceous shales & gray Ss, fn grn, consolidated & mod. sorted, mod. cementation, barren

Sh- A/A Ss- Frosted, fn grn, loosely cemented, consolidated & mod. sorted, well dev. consistent intergranular porosity, barren

Sh- A/A

BROWN LIME 3000' (-1139) E-LOG 3001' (-1140) Lm- Brown Tan, VF-FXLN, dense, & tight, sctrd XLN porosity

LKC 3013' (-1152) E-LOG 3016' (-1155) Lm- Cream Off White, FXLN, oolitic & fsl mix, some tight w/o vis. porosity & dense XLN porosity, SCTRD LT STN, NOSFO, FR ODR

Lm- Cream Off White, FXLN, granular/grainy dolomitic Ls w/ consistent micro XLN porosity throughough, barren

Lm- Gray Buff, VF-FXLN, dense fsl mix, sctrd to dense XLN porosity & tight well cemented w/ sctrd XLN porosity

Lm- Cream, FXLN, oolitic/oomoldic & fsl, sctrd-dense XLN & sctrd vuggy porosity, some w/ secondary reXLN porosity, TR LT STN, NSFO, TR ODR

Lm- Cream Off White, FXLN, dense, well cemented, mostly tight w/ sctrd XLN porosity, some soft white chalk, barren

Lm- Cream Off White, VFXLN, well cemented cherty Ls w/ micro XLN porosity, several pcs of vitreous fresh bedded chert, cryptoXLN, all clean & barren

Lm- Cream Off White, FXLN, mod. well dev. w/ mostly consistent XLN & vry fn ppt porosity, TR LT STN, NSFO, WK ODR

Lm- Cream Off White, FXLN, well dev. & oolitic, sctrd-dense ppt inter oolite porosity, few pcs of oolite clusters, SCTRD LT STN, NSFO, FR ODR

Lm- Off White, VF-FXLN, dense, well cemented & tight w/ sctrd XLN porosity, barren

Sh- Marron, gritty & earthy, sandy

Lm- Cream Off White, FXLN, oomoldic, dense XLN & sctrd vuggy porosity, sctrd inter vugular connectivity, 1-2 PCS W/ TR STN, NSFO, NO ODR, several pcs of densely packed oolitic fresh bedded cryptoXLN chert

SHORT TRIP
SURVEY 1 3/4
STRAP -0.07'

DST #1 LKC A-C
3005' - 3065'
15-30-45-60

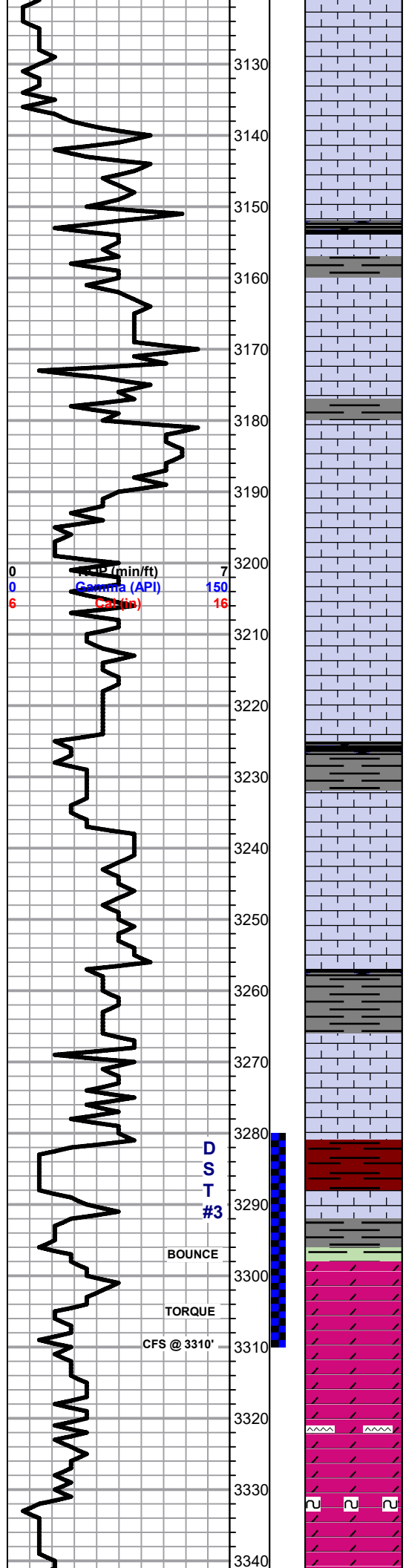
410' GIP
35' MUD (100%)

IFP: 16-20#
FFP: 22-26#
SIP: 193-411#
BHT: 101 deg.

DST #2 LKC D-F
3057' - 3100'
15-30-45-60

290' GIP
150' TOTAL FLUID
25' MUD
125' HMCW
(61% W, 39% M)

IFP: 19-35#
FFP: 40-84#
SIP: 607-603#
BHT: 100 deg.



Lm- Cream Semi-Translucent, FXLN, oolitic/oomoldic, dense XLN & sctrd vuggy porosity, fr inter vugular connectivity, barren

Lm- Buff Tan, VFXLN, dense & well cemented, tight w/ min. vis. porosity

Sh- Black Gray, fissile & carbonaceous, dense & calcareous

Lm- Cream Off White, FXLN, sl fsl & oolitic, poorly dev. w/ sctrd XLN porosity, few w/ vry fn ppt inter oolite porosity, all clean & barren

Lm- Cream Buff, VF-FXLN, dense tight sl fsl mix, mostly semi-brittle w/ sctrd-dense XLN porosity, all vry clean & barren

Lm- Cream Off White Tan, VF-FXLN, fsl & oolitic mix. most w/ sctrd to dense XLN porosity, well cemented & barren, some w/ sctrd oomoldic vuggy porosity, poor to no vugular connectivity, several pcs of tight cherty Ls w/ no to min. vis. porosity

Lm- Cream Tan White, VFXLN, dense, well cemented & tight w/ poor vis. porosity, some soft white chalk, all clean & barren

Sh- Black Gray, fissile & carbonaceous, dense & waxy, calcareous, argillaceous wash

Lm- Cream Off White, VF-FXLN, sl fsl & oolitic, most w/ dense XLN & sctrd secondary reXLN porosity, clean & barren, several pcs of vitreous sl dolomitic cherty Ls w/o vis. porosity, barren

Lm- Cream Buff, VFXLN, dense, vry well cemented, tight w/ min. vis. porosity, barren

Sh- Black Gray Green, fissile & carbonaceous, silty & calcareous, gritty

Lm- Off White, FXLN, fsl & oolitic, mostly well cemented & tight w/ sctrd XLN porosity, much soft white chalk & some mud supported matrix, all barren

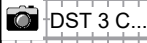
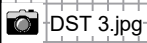
BKC 3282' (-1421) E-LOG 3280' (-1419) Sh- Maroon Gray Green, abundant argillaceous wash, some sl micaceous

Sh- Gray Maroon Green, much argillaceous clumps/wash, some semi-waxy Chert-several pcs of vitreous fresh bedded cryptoXLN, barren

ARBUCKLE 3303' (-1442) E-LOG 3298' (-1437) Dol- Frosted Lt Green Lt Gray, F-MedXLN, sucrosic mix, most semi-friable, mod. dev. w/ consistent XLN & mostly consistent ppt interXLN porosity, MOSTLY BARREN, SEVERAL PCS W/ DRK SCTRD STN, TR FO, FR SULPHURIC ODR

Dol/Chert- Off White, M-Crs XLN, well dev. sucrosic w/ good vis. rhombs, consistent fn ppt porosity throughout, SCTRD STN, SHW FO, GD SULPHURIC ODR, several pcs of bone white & clear oolitic vitreous fresh bedded cryptoXLN chert

Dol- A/A w/ several pcs of FXLN, well cemented & tight w/ micro XLN porosity throughout, barren, some w/ glauconite inclusions

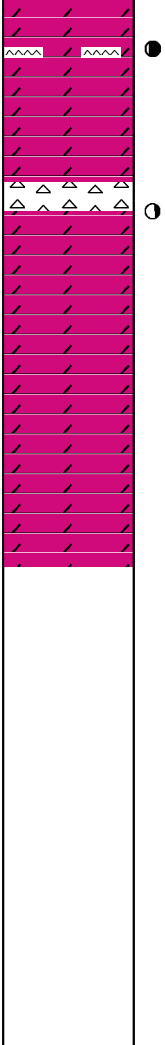
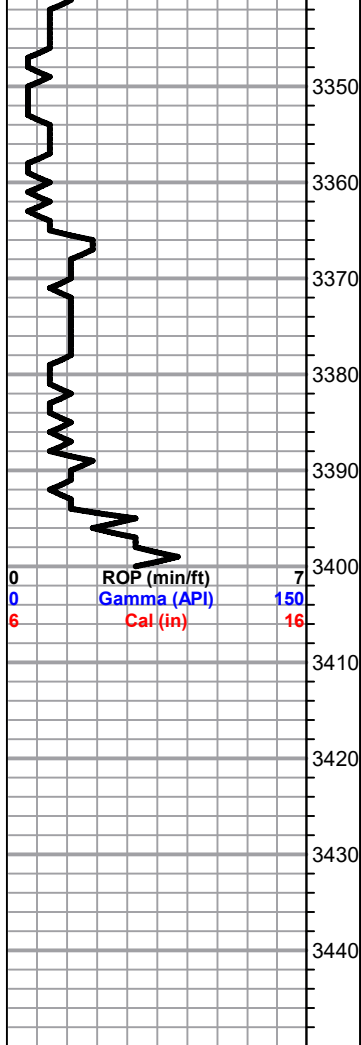


DST 3.jpg
DST 3 C...

SHORT TRIP SURVEY 3 1/2 deg.
DST #3 ARBUCKLE 3280' - 3310' 15-30-30-45

80' GIP
490' TOTAL FLUID
300' SLGCO (5% G, 95% O)
190' SLGCSLMCO (14% G, 69% O, 17% M)

IFP: 23-104#
FFP: 117-191#
SIP: 822-768#
BHT: 111 deg.



Dol- M-Crs XLN dol A/A w/ several pcs of oolitic cherty Dol w/ sctrd fn ppt porosity, SCTRDR LT STN, TR SHW FO, GD SULPHURIC ODR

Chert/Dol- White Translucent Cream vitreous fresh bedded oolitic chert & VF-FXLN, dense well cemented dolomite w/ micro XLN porosity, mostly barren, SCTRDR LT STN, NSFO, FR ODR, abundant gummy white chalk

Dol- White Off White, F-Med XLN, dense, well cemented, semi-sucrosic, micro XLN porosity throughout, barren

Dol- Off White Cream, F-Med XLN, mix of limey dolomite, well cemented & tight w/ micro XLN porosity, light chlorite tint/inclusions & mod. dev. w/ sctrd vry fn ppt & XLN porosity, barren

Dol- White, VF-MedXLN, brittle cherty dolomite w/ med grn, angular qrtz. inclusions, some w/ sctrd XLN porosity, some cryptoXLN w/o vis. porosity, barren

RTD 3400' (-1539) LTD 3401' (-1540) @ 11:10 11/24/2021

SURVEY 4 1/4 deg.

DST 3.jpg



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
 Elevation: 1854 EGL
 Field Name: Kraft-Prusa
 Pool: Infield
 Job Number: 487
 API #: 15-009-26305

Operation:
 Uploading recovery & pressures

DATE
 November
24
 2021

DST #3 **Formation: Arbuckle** **Test Interval: 3280 - 3310'** **Total Depth: 3310'**
 Time On: 02:51 11/24 Time Off: 09:58 11/24
 Time On Bottom: 04:55 11/24 Time Off Bottom: 06:55 11/24

Recovered

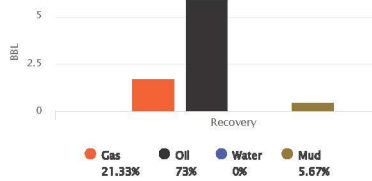
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
80	1.1384	G	100	0	0	0
300	4.269	SLGCO	5	95	0	0
190	2.7037	SLGCSLMCO	14	69	0	17

Total Recovered: 570 ft
 Total Barrels Recovered: 8.1111

Reversed Out
 NO

Initial Hydrostatic Pressure	1571	PSI
Initial Flow	23 to 104	PSI
Initial Closed in Pressure	822	PSI
Final Flow Pressure	117 to 191	PSI
Final Closed in Pressure	768	PSI
Final Hydrostatic Pressure	1568	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	6.6	%

Recovery at a glance



GIP cubic foot volume: 9.71515

DST 3 CHART.jpg



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
 Elevation: 1854 EGL
 Field Name: Kraft-Prusa
 Pool: Infield
 Job Number: 487
 API #: 15-009-26305

Operation:
 Uploading recovery & pressures

DATE
 November
24
 2021

DST #3 **Formation: Arbuckle** **Test Interval: 3280 - 3310'** **Total Depth: 3310'**

Time On: 02:51 11/24 **Time Off: 09:58 11/24**
Time On Bottom: 04:55 11/24 **Time Off Bottom: 06:55 11/24**

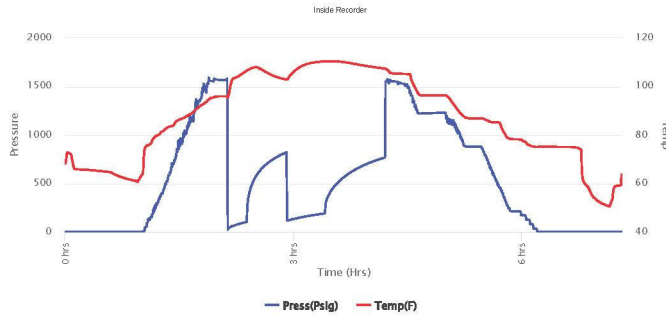
Electronic Volume Estimate:
 605'

1st Open
 Minutes: 15
 Current Reading: 34.8" at 15 min
 Max Reading: 34.8"

1st Close
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading: 38.8" at 30 min
 Max Reading: 38.8"

2nd Close
 Minutes: 45
 Current Reading: 0" at 45 min
 Max Reading: 0"



Scale 1:240 Imperial

Well Name: WIRTH #8
Surface Location: SW NE NW SW Sec. 8 - 16S - 11W
Bottom Location:
API: 15-009-26305
License Number: 33813
Spud Date: Time:
Region: BARTON COUNTY, KS Time:
Drilling Completed: Time:
Surface Coordinates: 2220' FSL & 750' FWL
Bottom Hole Coordinates:
Ground Elevation: 1853.00ft
K.B. Elevation: 1861.00ft
Logged Interval: 0.00ft To: 0.00ft
Total Depth: 0.00ft
Formation: LANSING-KANSAS CITY; ARBUCKLE
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

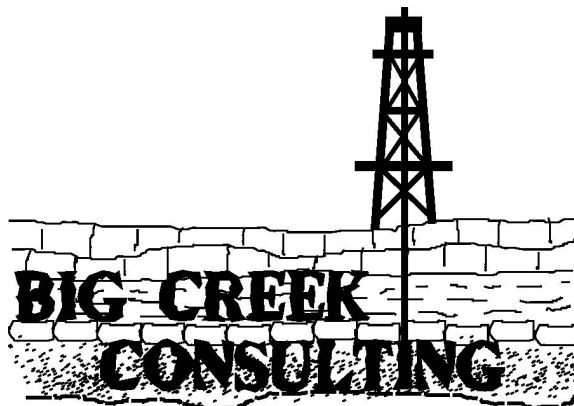
OPERATOR

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: WIRTH #8
Location: SW NE NW SW Sec. 8 - 16S - 11W
API: 15-009-26305
Pool: Field: KRAFT-PRUSA
State: KANSAS Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -98.569326
Latitude: 38.67304
N/S Co-ord: 2220' FSL
E/W Co-ord: 750' FWL

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 #: 2
Rig Type: MUD ROTARY
Spud Date: Time:
TD Date: Time:
Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1861.00ft
K.B. to Ground: 8.00ft

Ground Elevation: 1853.00ft

NOTES

WELL COMPARISON SHEET

FORMATION	P&A 5/1985				H				●				●										
	CINCRIS ENERGY CO., INC.				THE ROXANA CORP.				JASON OIL				JASON OIL										
	WIRTH #1				WIRTH B #2				WIRTH #1				WIRTH #5										
	NE NW SW 8-16-11				NE NE SW 8-16-11				N2 N2 SE 7-16-11				NW NE SW SW 8-16-11										
KB		1861		GL		1853		KB		1868		KB		1826		KB		1820		KB		1859	
LOG TOPS		SAMPLE TOPS		LOG		LOG	SMPL.	COMP. CARD	LOG	SMPL.	LOGS		LOG	SMPL.	COMP. CARD	LOG	SMPL.						
DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
ANHYDRITE TOP		721	1140	716	1152		- 12	690	1136		+ 4	675	1145		- 5	710	1149		- 9				
BASE		743	1118	738	1130		- 12					700	1120		- 2	735	1124		- 6				
TOPEKA		2622	-761									2568	-748		- 13	2607	-748		- 13				
HEEBNER SHALE		2910	-1049	2901	-1033		- 16	2880	-1054		+ 5	2851	-1031		- 18	2893	-1034		- 15				
TORONTO		2926	-1065	2919	-1051		- 14	2897	-1071		+ 6	2869	-1049		- 16	2911	-1052		- 13				
DOUGLAS SHALE		2936	-1075	2930	-1062		- 13	2908	-1082		+ 7	2882	-1062		- 13	2922	-1063		- 12				
BROWN LIME		3000	-1139	2994	-1126		- 13	2971	-1145		+ 6	2943	-1123		- 16	2986	-1127		- 12				
LKC		3013	-1152	3014	-1146		- 6	2986	-1160		+ 8	2960	-1140		- 12	3000	-1141		- 11				
BKC		3282	-1421	3275	-1407		- 14	3262	-1436		+ 15	3228	-1408		- 13	3263	-1404		- 17				
CONGLOMERATE								3288	-1462														
REWOKED ARBUCKLE												3264	-1444										
ARBUCKLE		3303	-1442	3310	-1442		+ 0	3324	-1498		+ 56				+ 12	3284	-1425		- 17				
TOTAL DEPTH				3350	-1482			3330	-1504			3330	-1510			3360	-1501						

DST #1 LKC A - C 3005' - 3065'



Company: Jason Oil Company, LLC

Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
County: BARTON
State: Kansas
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
Elevation: 1854 EGL
Field Name: Kraft-Prusa
Pool: Infield
Job Number: 487
API #: 15-009-26305

Operation:
Test Complete

DATE
November
22
2021

DST #1 Formation: L/KC "A-C" Test Interval: 3005 - 3065' Total Depth: 3065'
Time On: 07:11 11/22 Time Off: 13:49 11/22
Time On Bottom: 09:06 11/22 Time Off Bottom: 11:36 11/22

Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
410	5.8343	G	100	0	0	0
35	0.49805	M	0	0	0	100

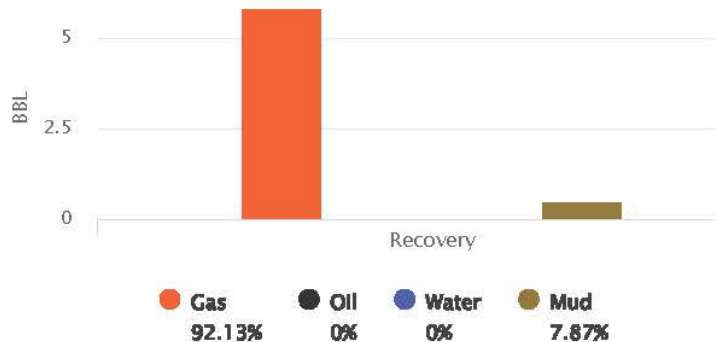
Total Recovered: 445 ft
Total Barrels Recovered: 6.33235

Reversed Out
NO

Initial Hydrostatic Pressure	1419	PSI
Initial Flow	16 to 20	PSI
Initial Closed in Pressure	193	PSI
Final Flow Pressure	22 to 26	PSI
Final Closed in Pressure	411	PSI
Final Hydrostatic Pressure	1415	PSI
Temperature	101	°F

Pressure Change Initial Close / Final Close 0.0 %

Recovery at a glance



GIP cubic foot volume: 32.75668

DST #1 LKC A - C 3005' - 3065'



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
 Elevation: 1854 EGL
 Field Name: Kraft-Prusa
 Pool: Infield
 Job Number: 487
 API #: 15-009-26305

Operation:
 Test Complete

DATE
 November
22
 2021

DST #1 **Formation: L/KC "A-C"** **Test Interval: 3005 - 3065'** **Total Depth: 3065'**
 Time On: 07:11 11/22 Time Off: 13:49 11/22
 Time On Bottom: 09:06 11/22 Time Off Bottom: 11:36 11/22

Electronic Volume Estimate:
 405'

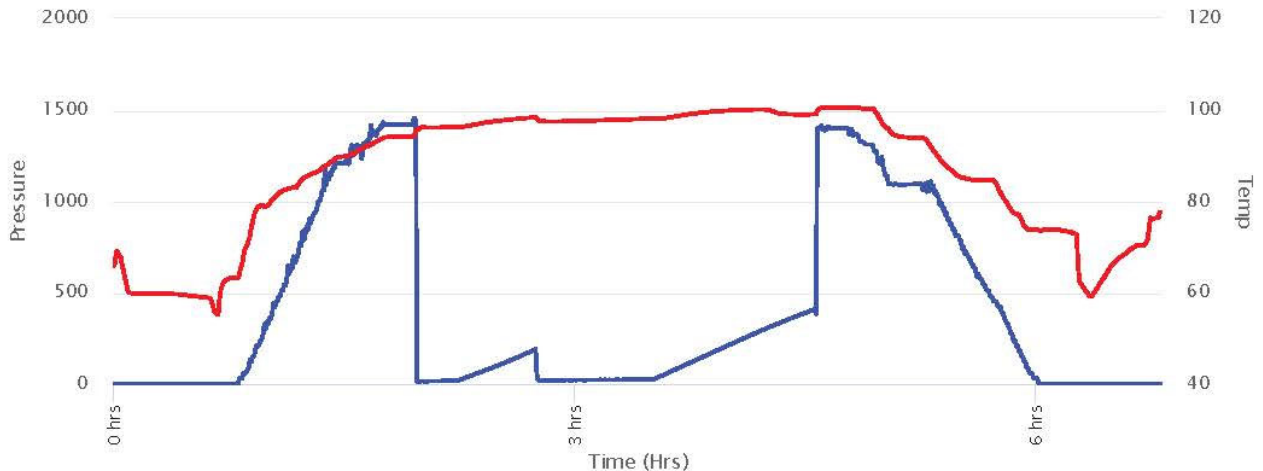
1st Open
 Minutes: 15
 Current Reading: 12.4" at 15 min
 Max Reading: 12.4"

1st Close
 Minutes: 5
 Current Reading: 0" at 5 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading: 40.2" at 45 min
 Max Reading: 40.2"

2nd Close
 Minutes: 60
 Current Reading: 0" at 60 min
 Max Reading: 0"

Inside Recorder



DST #2 LKC D - F 3057' - 3100'



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
 Elevation: 1854 EGL
 Field Name: Kraft-Prusa
 Pool: Infield
 Job Number: 487
 API #: 15-009-26305

Operation:
 Uploading recovery & pressures

DATE
 November
23
 2021

DST #2 **Formation: L/KC "D-F"** **Test Interval: 3057 - 3100'** **Total Depth: 3100'**
 Time On: 00:34 11/23 Time Off: 07:01 11/23
 Time On Bottom: 02:31 11/23 Time Off Bottom: 05:01 11/23

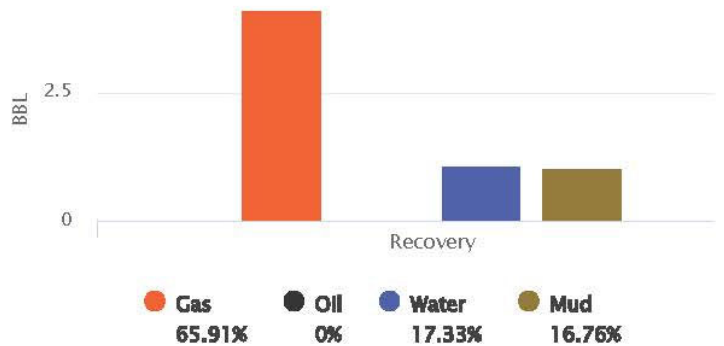
<u>Recovered</u>		<u>Description of Fluid</u>	<u>Gas %</u>	<u>Oil %</u>	<u>Water %</u>	<u>Mud %</u>
<u>Foot</u>	<u>BBLs</u>					
290	4.1267	G	100	0	0	0
25	0.35575	M	0	0	0	100
125	1.77875	HMCW	0	0	61	39

Total Recovered: 440 ft
 Total Barrels Recovered: 6.2612

Reversed Out
NO

Initial Hydrostatic Pressure	1433	PSI
Initial Flow	19 to 35	PSI
Initial Closed in Pressure	607	PSI
Final Flow Pressure	40 to 84	PSI
Final Closed in Pressure	603	PSI
Final Hydrostatic Pressure	1429	PSI
Temperature	100	°F
Pressure Change Initial Close / Final Close	0.8	%

Recovery at a glance



GIP cubic foot volume: 23.16936

DST #2 LKC D - F 3057' - 3100'



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
 Elevation: 1854 EGL
 Field Name: Kraft-Prusa
 Pool: Infield
 Job Number: 487
 API #: 15-009-26305

Operation:
 Uploading recovery & pressures

DATE
 November
23
 2021

DST #2 **Formation: L/KC "D-F"** **Test Interval: 3057 - 3100'** **Total Depth: 3100'**
 Time On: 00:34 11/23 Time Off: 07:01 11/23
 Time On Bottom: 02:31 11/23 Time Off Bottom: 05:01 11/23

Electronic Volume Estimate:
 394'

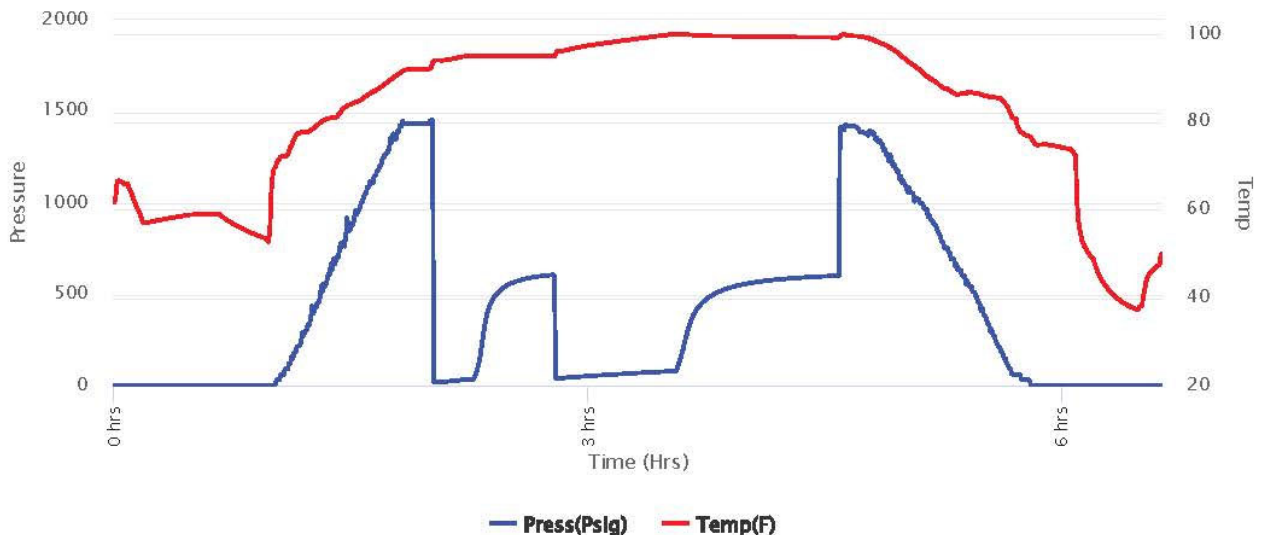
1st Open
 Minutes: 15
 Current Reading:
 18.7" at 15 min
 Max Reading: 18.7"

1st Close
 Minutes: 30
 Current Reading:
 0" at 30 min
 Max Reading: 0"

2nd Open
 Minutes: 45
 Current Reading:
 32.3" at 45 min
 Max Reading: 32.3"

2nd Close
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: 0"

Inside Recorder












ROCK TYPES

 Lmst fw7>
  shale, gry
  Carbon Sh
  Ss

OTHER SYMBOLS




MISC

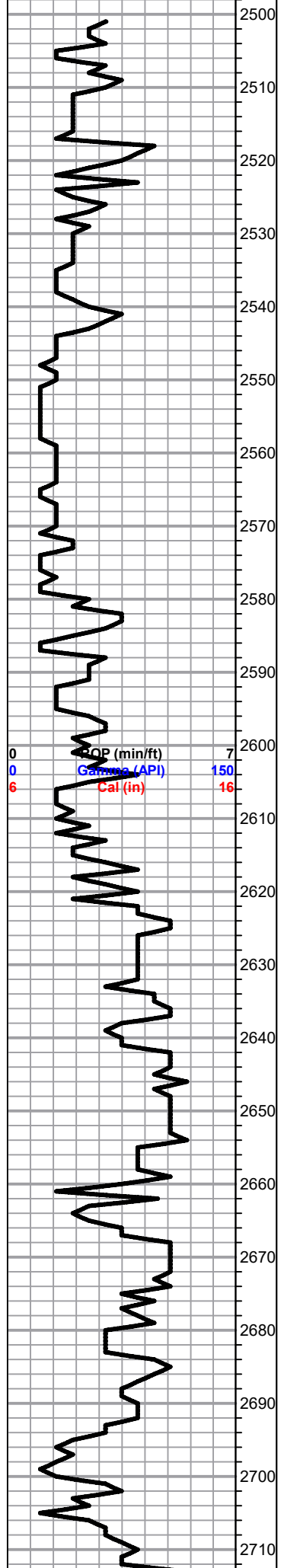
-  Daily Report
-  Digital Photo
-  Document
-  Folder
-  Link
-  Vertical Log File
-  Horizontal Log File
-  Core Log File
-  Drill Cuttings Rpt

DST

-  DST Int
-  DST alt

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Curve Track #1	Depth Intervals	DST	Lithology	Oil Show	Geological Descriptions	Curve Track #3
ROP (min/ft)  Gamma (API)  Cal (in) 	Cored Interval DST Interval					
1:240 Imperial						1:240 Imperial
0 ROP (min/ft) 7 0 Gamma (API) 150 6 Cal (in) 16	2460				<p><u>1' DRILL TIME THROUGH ANHYDRITE FRO 690' - 750'</u> <u>1' DRILL TIME FROM 2500' - RTD</u> <u>10' WET/DRY SAMPLES FROM 2550' - RTD</u></p> <p>GEOLOGICAL SUPERVISON BY JEFF LAWLER FROM 2500' - RTD</p> <p>8 5/8" SURFACE PIPE SET @ 416' SURVEY 1/4 deg.</p> <p>ANHYDRITE TOP 721' (+1140) E-LOG ANHYDRITE BASE 743' (+1118) E-LOG</p>	
	2470					
	2480					
	2490					



Sh- Gray Green, dense & waxy, argillaceous wash, sandy shale, some Ss, barren

Ss- A/A w/ well cemented Fn Grn Ss, consolidated & mod. sorted, barren

Lm- Cream Tan Gray, FXLN, fsl mix, well cemented, w/ sctrd XLN porosity, some trashy clastic w/ secondary reXLN porosity, barren

Sh- Gray, silty & calcareous, abundant argillaceous wash

Lm- Cream Off White, FXLN, fsl, well cemented & tight w/ sctrd micro XLN & secondary reXLN porosity, barren

Sh- Gray White, silty & calcareous, argillaceous clumps/wash

TOPEKA 2622' (-761) E-LOG Lm- Cream, FXLN, sl fsl, mostly tight & poorly dev. sctrd XLN porosity, barren

Lm- Gray Buff Tan, FXLN, sl fsl, mostly w/ micro XLN porosity, some heavily mottled & pebbly

Sh- Gray Marron, silty & calcareous, gritty & earthy

Lm- Gray, VFXLN, dense, well cemented, tight w/ min. vis. porosity

Sh- Gray, sandy, some silty & calcareous

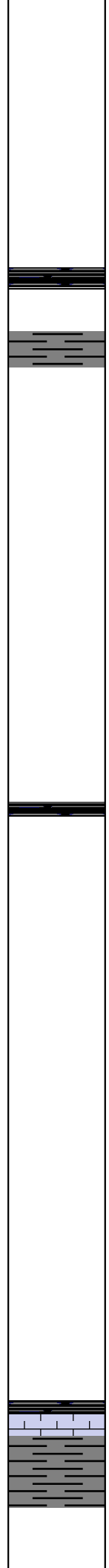
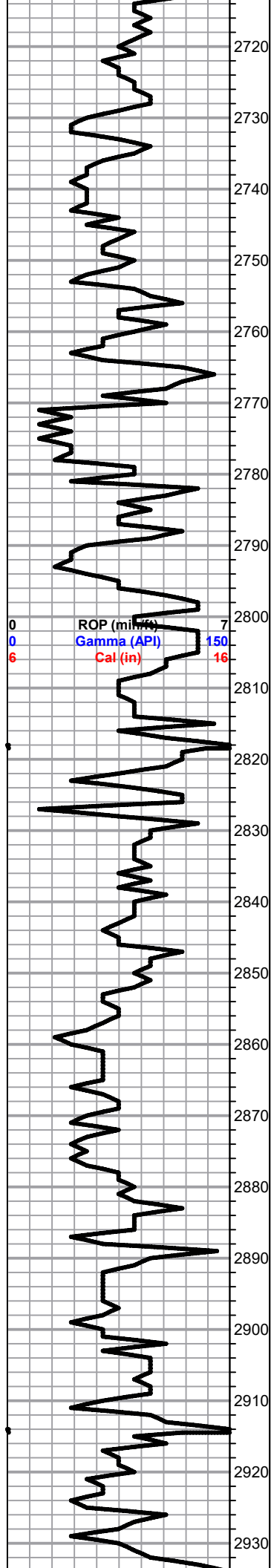
Lm- Buff Cream, VFXLN, dense, well cemented, sctrd mottling, barren

Lm- Gray, VFXLN, dense, tight, poorly dev. & barren

Lm- Cream Off White, FXLN, sl fsl, few loose crinoids, sctrd XLN porosity, clean & barren

Lm- Cream off White, FXLN, dense, well cemented, sl fsl, few loose fusulinids, dense XLN & secondary reXLN porosity, sl cherty Ls, some sctrd clear replacement cementation, barren

Chert- Gray Milky White, fresh bedded, sl fsl, vitreous w/ no vis. porosity, some grainy



sl dolomitic w/ sctrd micro XLN porosity, all clean & barren

Lm- Cream Off White, FXLN, fsl, trashy clastic w/ dense XLN & fn ppt porosity, barren

Lm- Gray, VFXLN, fsl, semi-clastic cherty Ls w/ dense XLN porosity, barren

Lm- Cream Off White, FXLN, fsl, dense, well cemented, cherty Ls w/ sctrd XLN porosity, barren

Sh- Black Gray, fissile & carbonaceous

Lm- Cream Off White, VFXLN, dense, well cemented & tight w/ min. vis porosity, clean & barren

SH- Gray, calcareous, some sandy

Lm- Cream Off White, FXLN, vry fsl, mix, some sl dolomitic & cherty Ls, sctrd-dense XLN porosity, barren

Lm- Cream Off White, FXLN, dense, well cemented, sl trashy & fsl, dense XLN & secondary reXLN porosity, barren

Sh- Black Gray, fissile & carbonaceous, silty & calcareous

Lm- Cream Off White, FXLN, fsl, sctrd to dense XLN & secondary reXLN porosity, sctrd mottling, barren

Lm- A/A w/ chalky in part

Chert- Lt Gray, fsl virteous fresh bedded cryptoXLN

Lm- Cream Semi-translucent, FXLN, oolitic, FRACTURED, dense XLN & secondary XLN porosity, 2-3 PCS W/ DRK EDGE STN, NSFO, NO ODR

Lm- Cream Off White, VF-FXLN, dense, loosely cemented, chalky in part, much soft chalk, sctrd XLN porosity, mottled, barren

Lm- Buff, VFXLN, dense & tight w/ min. to no vis. porosity, barren

Lm- Cream Off White, VF-FXLN, dense, well cemented, sl fsl, sctrd XLN porosity, some soft white chalk, barren

HEEBNER 2910' (-1049) E-LOG Sh- Black, fissile & carbonaceous, argillaceous wash

TORONTO 2926' (-1065) E-LOG Lm- Cream Off White, FXLN, loosely cemented, chalky in part, sctrd XLN porosity, clean & barren

DOUGLAS SHALE 2936' (-1075) E-LOG Sh- Gray Green Maroon, abundant argillaceous wash

Sh- A/A w/ micaceous shales & gray Ss, fn grn, consolidated & mod. sorted, micaceous, mod. cementatino, barren

Sh- A/A Ss- Frosted, fn grn, loosely cemented, consolidated & mod. sorted, well dev. consistent intergranular porosity, barren

Sh- A/A

BROWN LIME 3000' (-1139) E-LOG Lm- Brown Tan, VF-FXLN, dense, & tight, sctrd XLN porosity

LKC 3013' (-1152) E-LOG Lm- Cream Off White, FXLN, oolitic & fsl mix, some tight w/o vis. porosity & dense XLN porosity, SCTRD LT STN, NOSFO, FR ODR

Lm- Cream Off White, FXLN, granular/grainy dolomitic Ls w/ consistent micro XLN porosity throughough, barren

Lm- Gray Buff, VF-FXLN, dense fsl mix, sctrd to dense XLN porosity & tight well cemented w/ sctrd XLN porosity

Lm- Cream, FXLN, oolitic/oomoldic & fsl, sctrd-dense XLN & sctrd vuggy porosity, some w/ secondary reXLN porosity, TR LT STN, NSFO, TR ODR

Lm- Cream Off White, FXLN, dense, well cemented, mostly tight w/ sctrd XLN porosity, some soft white chalk, barren

Lm- Cream Off White, VFXLN, well cemented cherty Ls w/ micro XLN porosity, several pcs of vitreous fresh bedded chert, cryptoXLN, all clean & vbarren

Lm- Cream Off White, FXLN, mod. well dev. w/ mostly consistent XLN & vry fn ppt porosity, TR LT STN, NSFO, WK ODR

Lm- Cream Off White, FXLN, well dev. & oolitic, sctrd-dense ppt inter oolite porosity, few pcs of oolite clusters, SCTRD LT STN, NSFO, FR ODR

Lm- Off White, VF-FXLN, dense, well cemented & tight w/ sctrd XLN porosity, barren

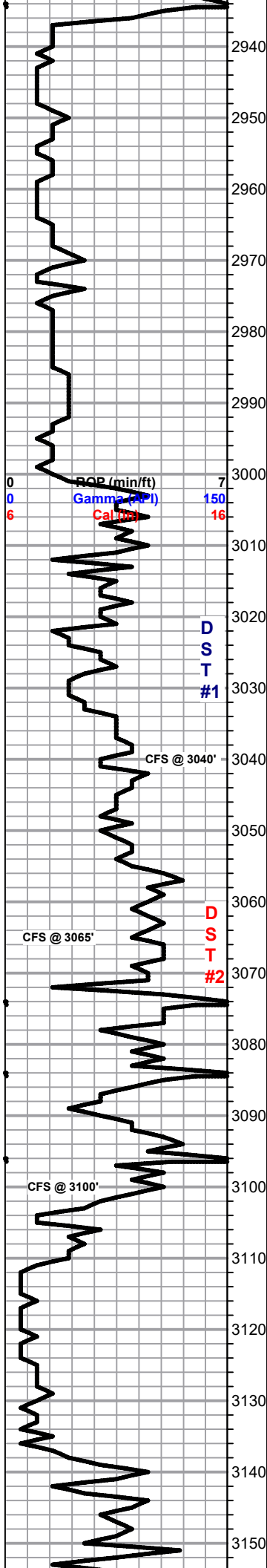
Sh- Marron, gritty & earthy, sandy

Lm- Cream Off White, FXLN, oomoldic, dense XLN & sctrd vuggy porosity, sctrd inter vugular connectivity, 1-2 PCS W/ TR STN, NSFO, NO ODR, several pcs of densely packed oolitic fresh bedded cryptoXLN chert

Lm- Cream Semi-Translucent, FXLN, oolitic/oomoldic, dense XLN & sctrd vuggy porosity, fr inter vugular connectivity, barren

Lm- Buff Tan, VFXLN, dense & well cemented, tight w/ min. vis. porosity

Sh- Black Gray fossils & carbonaceous, dense & calcareous



SHORT TRIP SURVEY 1 3/4 STRAP -0.07'

DST #1 LKC A-C 3005' - 3065' 15-30-45-60

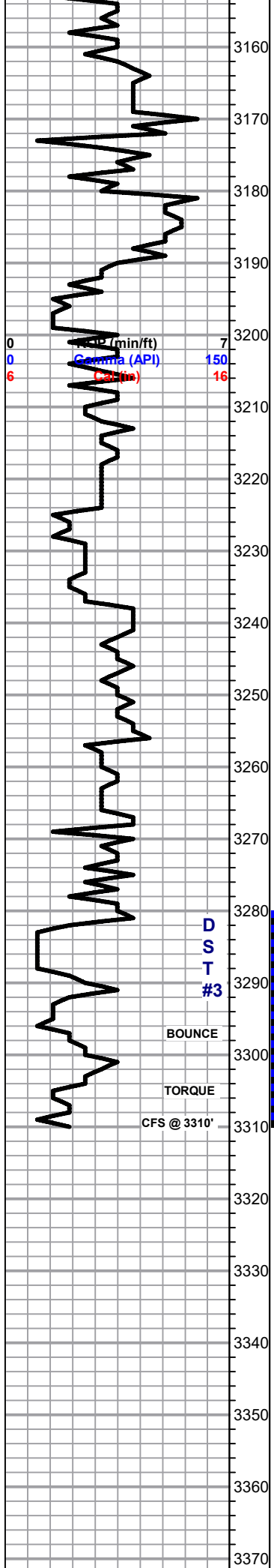
410' GIP 35' MUD (100%)

IFP: 16-20# FFP: 22-26# SIP: 193-411# BHT: 101 deg.

DST #2 LKC D-F 3057' - 3100' 15-30-45-60

290' GIP 150' TOTAL FLUID 25' MUD 125' HMCW (61%W, 39%M)

IFP: 19-35# FFP: 40-84# SIP: 607-603# BHT: 100 deg.



Sh- Black Gray, fissile & carbonaceous, dense & calcareous

Lm- Cream Buff, VF-FXLN, dense tight sl fsl mix, mostly semi-brittle w/ sctrd-dense XLN porosity, all vry clean & barren

Lm- Cream Off White Tan, VF-FXLN, fsl & oolitic mix. most w/ sctrd to dense XLN porosity, well cemented & barren, some w/ sctrd oomoldic vuggy porosity, poor to no vugular connectivity, several pcs of tight cherty Ls w/ no to min. vis. porosity

Lm- Cream Tan White, VFXLN, dense, well cemented & tight w/ poor vis. porosity, some soft white chalk, all clean & barren

Sh- Black Gray, fissile & carbonaceous, dense & waxy, calcareous, argillaceous wash

Lm- Cream Off White, VF-FXLN, sl fsl & oolitic, most w/ dense XLN & sctrd secondary reXLN porosity, clean & barren, several pcs of vitreous sl dolomitic cherty Ls w/o vis. porosity, barre

Lm- Cream Buff, VFXLN, dense, vry well cemented, tight w/ min. vis. porosity, barren

Sh- Black Gray Green, fissile & carbonaceous, silty & calcareous, gritty

Lm- Off White, FXLN, fsl & oolitic, mostly well cemented & tight w/ sctrd XLN porosity, much soft white chalk & some mud supported matrix, all barren

BKC 3282' (-1421) E-LOG Sh- Maroon Gray Green, abundant argillaceous wash, some sl micaceous

Sh- Gray Maroon Green, much argillaceous clumps/wash, some semi-waxy Chert- several pcs of vitreous fresh bedded cryptoXLN, barren

ARBUCKLE 3303' (-1442) E-LOG Dol- Frosted Lt Green Lt Gray, F-MedXLN, sucrosic mix, most semi-friable, mod. dev. w/ consistent XLN & mostly consistent ppt interXLN porosity, MOSTLY BARREN, SEVERAL PCS W/ DRK SCTRD STN, TR FO, FR SULPHURIC ODR

DST 3.jpg

DST 3 C...

SHORT TRIP SURVEY

DST #3
ARBUCKLE
3280' - 3310'
15-30-30-45

80' GIP
490' TOTAL FLUID
300' SLGCO
(5% G, 95% O)
190' SLGC SLMCO
(14% G, 69% O,
17% M)

IFP: 23-104#
FFP: 117-191#
SIP: 822-768#
BHT: 111 deg.

3380

3390

DST 3.jpg



Company: Jason Oil Company, LLC

Lease: Wirth #8

SEC: 8 T1W1: 16S R1G: 11W
County: BARTON
State: Kansas
Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
Elevation: 1854 EGL
Field Name: Kraft-Prusa
Pool: Infield
Job Number: 487
API #: 15-009-26305

Operation:
Uploading recovery & pressures

DATE
November
24
2021

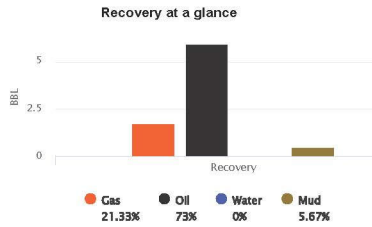
DST #3 **Formation: Arbuckle** **Test Interval: 3280 - 3310'** **Total Depth: 3310'**
Time On: 02:51 11/24 Time Off: 09:58 11/24
Time On Bottom: 04:55 11/24 Time Off Bottom: 06:55 11/24

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Flow	BBLs					
80	1.1384	G	100	0	0	0
300	4.269	SLGCO	5	95	0	0
190	2.7037	SLGCSLMCO	14	69	0	17

Total Recovered: 570 ft
Total Barrels Recovered: 8.1111

Reversed Out
NO

Initial Hydrostatic Pressure	1571	PSI
Initial Flow	23 to 104	PSI
Initial Closed in Pressure	822	PSI
Final Flow Pressure	117 to 191	PSI
Final Closed in Pressure	768	PSI
Final Hydrostatic Pressure	1568	PSI
Temperature	111	°F
Pressure Change Initial Close / Final Close	6.6	%



GIP cubic foot volume: 9.71515

DST 3 CHART.jpg



Company: Jason Oil Company, LLC
Lease: Wirth #8

SEC: 8 TWN: 16S RNG: 11W
 County: BARTON
 State: Kansas
 Drilling Contractor: Discovery Drilling Company, Inc. - Rig 2
 Elevation: 1854 EGL
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Operation:
 Uploading recovery & pressures

DATE
 November
24
 2021

DST #3 **Formation: Arbuckle** **Test Interval: 3280 - 3310'** **Total Depth: 3310'**

Time On: 02:51 11/24 Time Off: 09:58 11/24
 Time On Bottom: 04:55 11/24 Time Off Bottom: 06:55 11/24

Electronic Volume Estimate: 605'	1st Open Minutes: 15	1st Close Minutes: 30	2nd Open Minutes: 30	2nd Close Minutes: 45
	Current Reading: 34.8" at 15 min	Current Reading: 0" at 30 min	Current Reading: 38.8" at 30 min	Current Reading: 0" at 45 min
	Max Reading: 34.8"	Max Reading: 0"	Max Reading: 38.8"	Max Reading: 0"

