

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

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

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

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

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

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

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

Plug Back  Liner  Conv. to GSW  Conv. to Producer

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

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

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

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

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

Spud Date or Date Reached TD Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

**Drilling Fluid Management Plan**

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

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

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

Location of fluid disposal if hauled offsite:

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Scale 1:240 Imperial

Well Name: SCHOENBERGER #10-16  
Surface Location: SW NW SE SE Sec. 10 - 16S - 14W  
Bottom Location:  
API: 15-009-26214  
License Number: 33813  
Spud Date: 4/19/2018 Time: 8:45 PM  
Region: BARTON COUNTY KANSAS  
Drilling Completed: 4/24/2018 Time: 8:45 AM  
Surface Coordinates: 770' FSL & 1155' FEL  
Bottom Hole Coordinates:  
Ground Elevation: 1926.00ft  
K.B. Elevation: 1931.00ft  
Logged Interval: 2300.00ft To: 3450.00ft  
Total Depth: 3450.00ft  
Formation: LANSING - KANSAS CITY; ARBUCKLE  
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

**OPERATOR**

Company: JASON OIL COMPANY, LLC  
Address: P.O. BOX 701  
RUSSELL, KS 67665  
  
Contact Geologist: JIM SCHOENBERGER  
Contact Phone Nbr: (785) 483-4204  
Well Name: SCHOENBERGER #10-16  
Location: SW NW SE SE Sec. 10 - 16S - 14W  
API: 15-009-26214  
Pool: State: KANSAS Field: NUSS SOUTH  
Country: USA

**SURFACE CO-ORDINATES**

Well Type: Vertical  
Longitude: -98.8531071  
Latitude: 38.6688529  
N/S Co-ord: 770' FSL  
E/W Co-ord: 1155' FEL

**LOGGED BY**



Company: BIG CREEK CONSULTING, INC.  
Address: 1909 MAPLE  
ELLIS, KS 67637  
  
Phone Nbr: (785) 259-3737  
Logged By: GEOLOGIST Name: JEFF LAWLER

**CONTRACTOR**

Contractor: WW DRILLING  
Rig #: 2  
Rig Type: MUD ROTARY  
Spud Date: 4/19/2018 Time: 8:45 PM  
TD Date: 4/24/2018 Time: 8:45 AM  
Rig Release: 4/26/2018 Time: 5:30 AM

### ELEVATIONS

K.B. Elevation: 1931.00ft  
K.B. to Ground: 5.00ft

Ground Elevation: 1926.00ft

### NOTES

AFTER LOG ANALYSIS DECISION WAS MADE TO RUN PRODUCTION CASING AND FURTHER EVALUATE ZONES OF INTEREST UPON COMPLETION WITH PERFORATION.

RESPECTFULLY SUBMITTED,  
JEFF LAWLER

### WELL COPARISON SHEET

FORMATION	SCHOENBERGER 10-16												NE SE 10-16-14						SE NW SE 10-16-14						SW SW SE 10-16-14						SW NW SE 10-16-14					
	1931				1926				1922				1896				1903				1900															
	LOGTOPS		SAMPLETOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.									
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM								
ANHYDRITE TOP	898	1033	904	1027	887	1035	-	2	-	8	874	1022	+	11	+	5	899	1004	+	29	+	23	880	1020	+	13	+	7								
BASE	927	1004	922	1009	917	1005	-	1	+	4	905	991	+	13	+	18							907	993	+	11	+	16								
TOPEKA	2841	-910	2842	-911	2835	-913	+	3	+	2	2811	-915	+	5	+	4	2825	-922	+	12	+	11	2815	-915	+	5	+	4								
HEEBNER	3073	-1142	3074	-1143	3071	-1149	+	7	+	6	3044	-1148	+	6	+	5	3058	-1155	+	13	+	12	3047	-1147	+	5	+	4								
TORONTO	3090	-1159	3093	-1162	3086	-1164	+	5	+	2	3061	-1165	+	6	+	3	3076	-1173	+	14	+	11	3066	-1166	+	7	+	4								
LKC	3143	-1212	3144	-1213	3140	-1218	+	6	+	5	3115	-1219	+	7	+	6	3128	-1225	+	13	+	12	3118	-1218	+	6	+	5								
BKC	3339	-1408	3341	-1410	3340	-1418	+	10	+	8	3326	-1430	+	22	+	20							3328	-1428	+	20	+	18								
CONGLOMERATE	3353	-1422																																		
REWORKED ARB	3357	-1426									3330	-1434	+	8									3342	-1442	+	16										
ARBUKLE	3359	-1428	3367	-1436	3352	-1430	+	2	-	6	3364	-1468	+	40	+	32							3349	-1449	+	21	+	13								
TOTAL DEPTH	3450	-1519	3450	-1519	3405	-1483	-	36	-	36	3600	-1704	+	185	+	185	3385	-1482	-	37	-	37	3450	-1550	+	31	+	31								

### DST #1 LKC D - G 3616' - 3666'



Company: Jason Oil Company ,  
LLC  
Lease: Schoenberger #10-16

SEC: 10 TWN: 16 S RNG: 14 W  
County: BARTON  
State: Kansas  
Drilling Contractor: VVV Drilling, LLC -  
Rig 2  
Elevation: 1928 Est  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**DATE**  
April  
23  
2018

DST #1 Formation: LANS D-G Test Interval: 3216 - 3266' Total Depth: 3266'  
Time On: 14:30 04/23 Time Off: 20:05 04/23  
Time On Bottom: 16:27 04/23 Time Off Bottom: 18:27 04/23

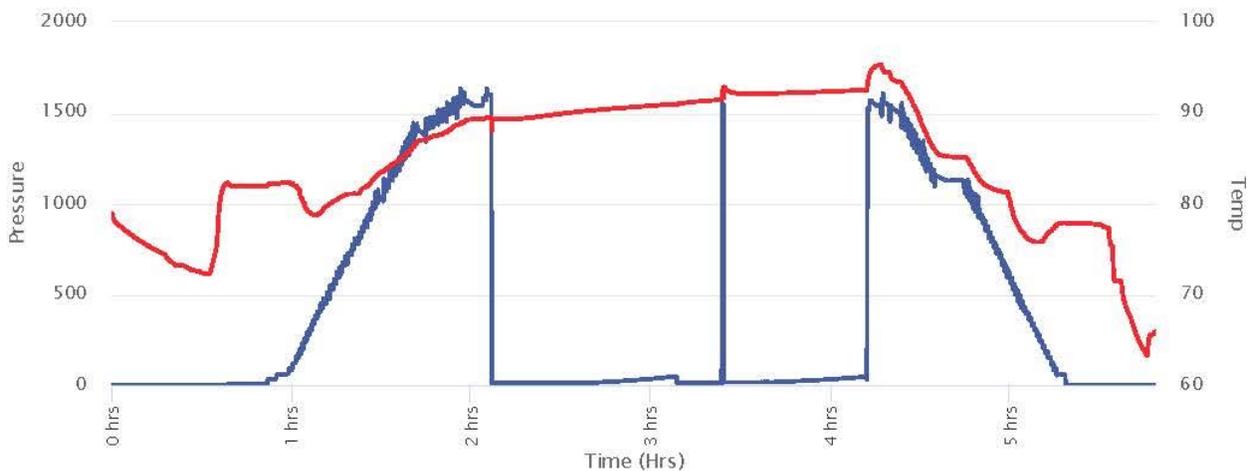
Electronic Volume Estimate:  
0'

1st Open Minutes: 30  
0" at 30 min

1st Close Minutes: 30  
0" at 30 min

2nd Open Minutes: 30  
0" at 30 min

2nd Close Minutes: 30  
0" at 30 min



— Press(Psla) — Temp(F)

**DST #1 LKC D - G 3616' - 3666'**



Company: Jason Oil Company ,  
 LLC  
 Lease: Schoenberger #10-16

SEC: 10 TWN: 16 S RNG: 14 W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 2  
 Elevation: 1928 Est  
 Field Name: Nuss South  
 Pool: Infield  
 Job Number: 148

DATE  
 April  
 23  
 2018

DST #1 Formation: LANS D-  
 G Test Interval: 3216 -  
 3266' Total Depth: 3266'  
 Time On: 14:30 04/23 Time Off: 20:05 04/23  
 Time On Bottom: 16:27 04/23 Time Off Bottom: 18:27 04/23

Recovered

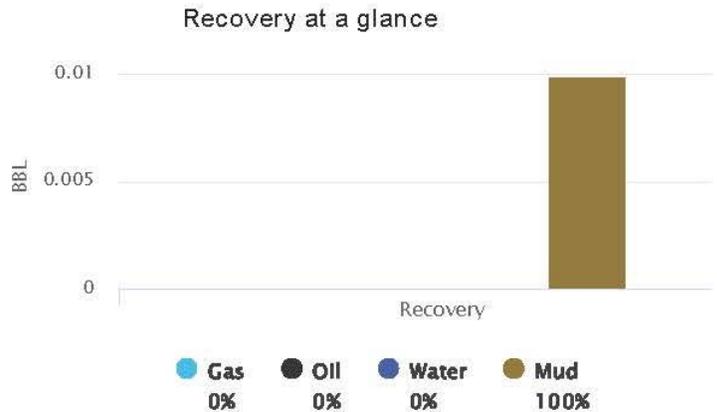
Foot BBLs  
 2 0.00984

Description of Fluid Gas % Oil % Water % Mud %  
 M 0 0 0 100

Total Recovered: 2 ft  
 Total Barrels Recovered: 0.00984

Reversed Out  
 NO

Initial Hydrostatic Pressure	1537	PSI
Initial Flow	11 to 13	PSI
Initial Closed in Pressure	50	PSI
Final Flow Pressure	13 to 17	PSI
Final Closed in Pressure	47	PSI
Final Hydrostatic Pressure	1532	PSI
Temperature	93	°F
Pressure Change Initial Close / Final Close	6.3	%



**DST #2 LKC H - K 3270' - 3328'**



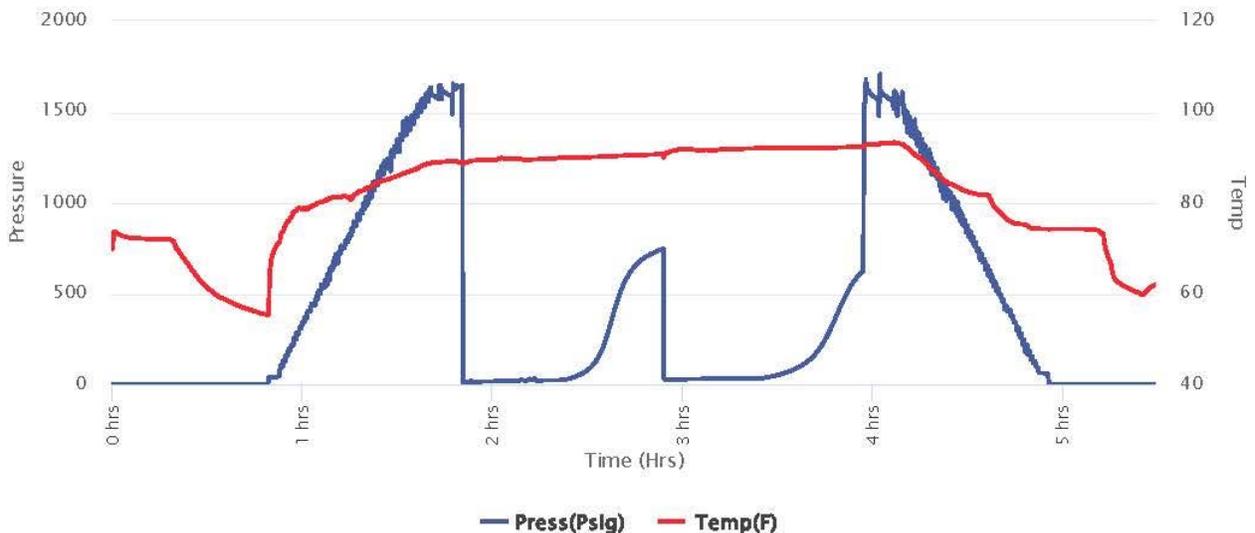
Company: Jason Oil Company ,  
 LLC  
 Lease: Schoenberger #10-16

SEC: 10 TWN: 16 S RNG: 14 W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 2  
 Elevation: 1928 Est  
 Field Name: Nuss South  
 Pool: Infield  
 Job Number: 148

<u>DATE</u>
April
24
2018

DST #2	Formation: LANS/KC H-K	Test Interval: 3270 - 3329'	Total Depth: 3329'
	Time On: 04:14 04/24	Time Off: 09:35 04/24	
	Time On Bottom: 06:00 04/24	Time Off Bottom: 08:00 04/24	

Electronic Volume Estimate:	<u>1st Open</u> Minutes: 30	1st Close Minutes: 30	<u>2nd Open</u> Minutes: 30	2nd Close Minutes: 30
42'	1.25" at 30 min	0" at 30 min	.48" at 30 min	0" at 30 min





**ROCK TYPES**



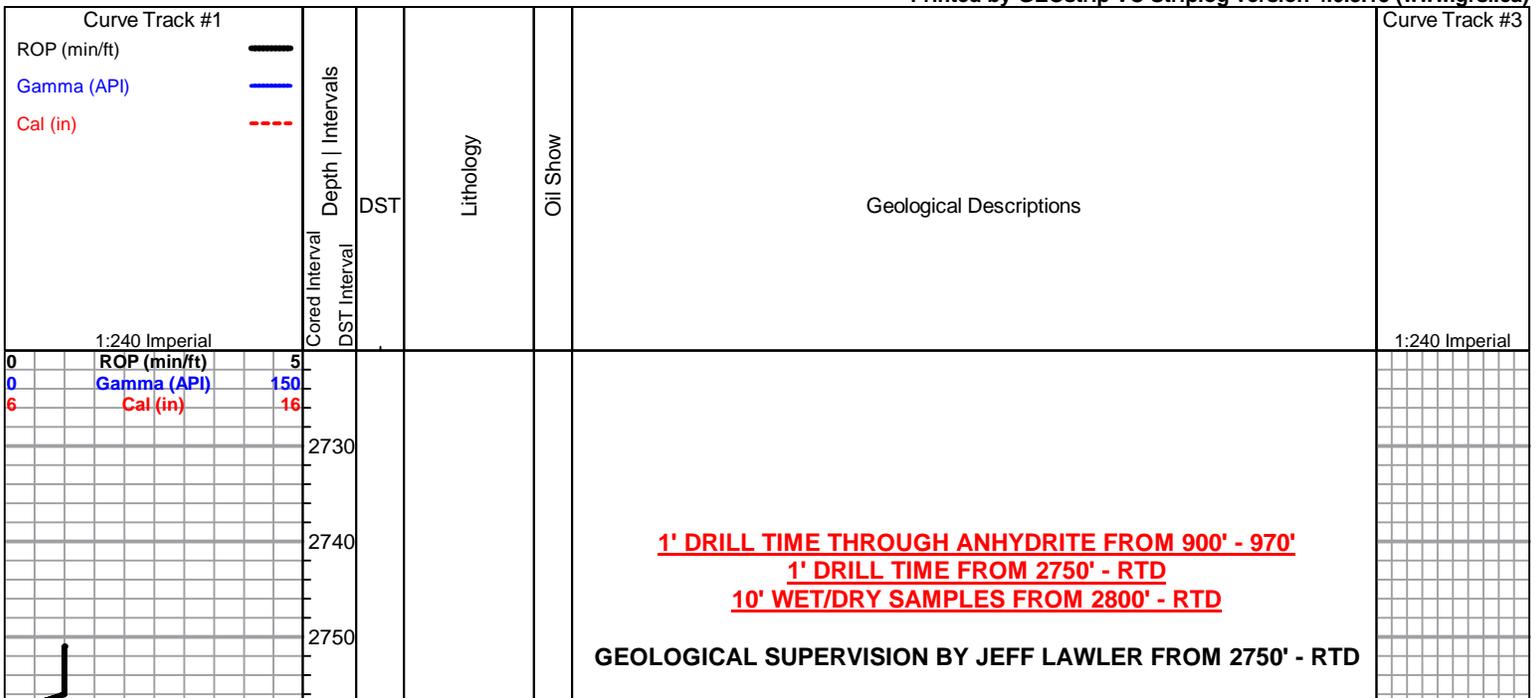
**OTHER SYMBOLS**

**MISC**

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

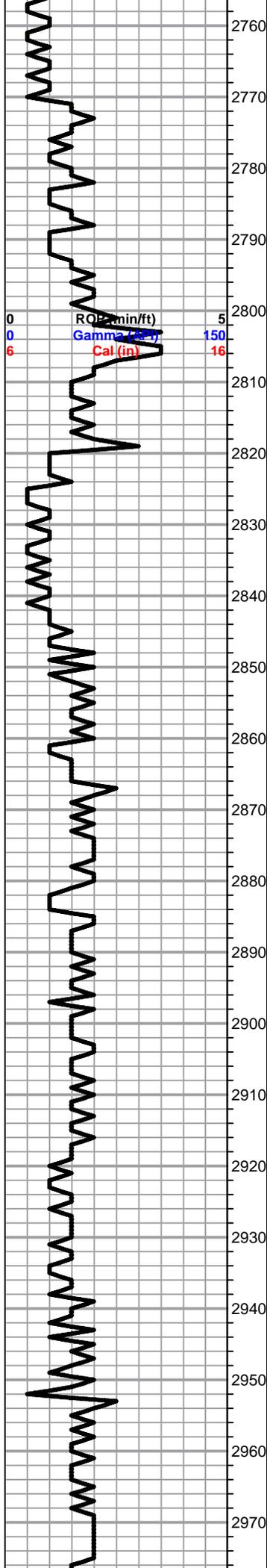
**DST**

- DST Int
- DST alt



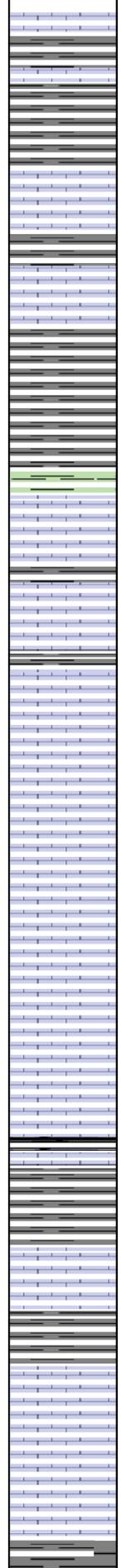
8 5/8" SURFACE PIPE SET @ 485' SURVEY 1 deg.

**ANHYDRITE TOP 904' (+1027) E-LOG 898' (+1033)**  
**ANHYDRITE BASE 922' (+1009) E-LOG 927' (+1004)**



ROF (min/ft) 5  
Gamma (cpm) 150  
Cal (in) 16

0  
6



Lm- Tan Cream, FXLN, dense, well cemented, sl fsl w/ sctrd XLN porosity, much argillaceous gray clumps

Lm- Buff Tan Cream, FXLN, fsl, dense XLN porosity, dove gray consolidated & well sorted micaceous Ss, barren

Sh- Gray, soft & silty, calcareous, dense & gritty, some sandy sh

**TOPEKA 2842' (-911) E-LOG 2841' (-910)** Lm- Cream Tan Gray, FXLN, dense, well cemented, sl fsl, poorly dev. w/ sctrd XLN porosity, barren

Lm- Cream Buff, FXLN, sl fsl, dense & well cemented, sctrd development & sctrd-dense XLN porosity, barren

Lm- Cream Off White, FXLN, dense, semi-gritty, poorly dev. w/ sctrd XLN porosity, barren

Lm- Cream VFXLN, A/A, Buff, arenaceous sl fsl Ls w/ consistent intergranular porosity, barren

Lm- Cream Buff, FXLN, dense, well cemented, poorly dev. w/ sctrd XLN porosity, fsl w/ sctrd secondary reXLN porosity, barren, several pcs of black chert/cherty Ls

Lm- A/A, few cream pcs w/ pyrite inclusions, sandy Ls, tight & poorly dev., micro XLN porosity

Lm- Cream Tan, FXLN, fsl, dense XLN porosity, barren

Lm- A/A chalky in part, dolomitic Ls w/ dense XLN porosity, sl granular, barren

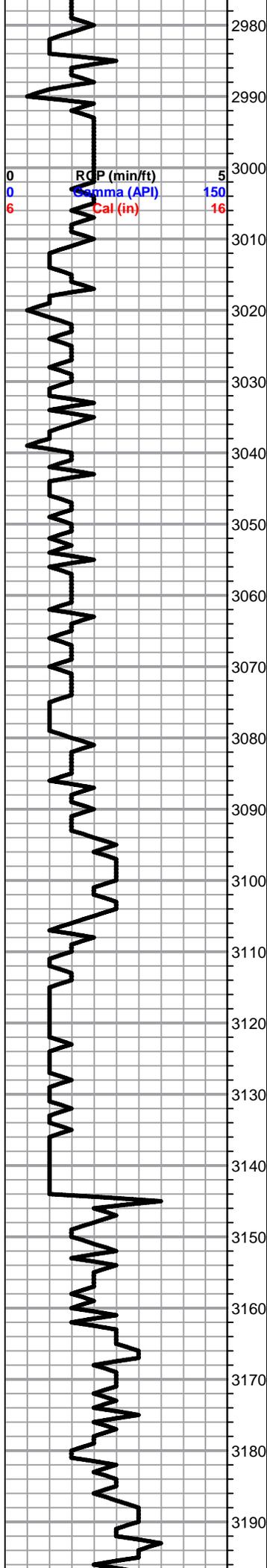
Sh- Black Gray Mint Green, dense & blocky

Lm- Cream Buff, VF-FXLN, dense, well cemented, fsl, poorly dev. w/ few pcs of trashy bioclastic, several pcs of dark var. colored chert/chery Ls

Lm- Cream VF-FXLN, dense, well cemented, mostly tight w/ sctrd XLN porosity, barren

Lm- Cream Buff, FXLN, fsl & sl unconsolidated, dense & poorly dev. w/ sctrd XLN porosity, barren, some chalky in part

Lm- Cream Buff, FXLN, fsl, some mod. dev., some poorly dev. sctrd XLN porosity, some soft white chalk



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

Sh- Gray Maroon Green, carbonaceous, argillaceous clumps, dense & blocky

Lm- Cream Off White, VF-FXLN, several pcs of porcelain like cherty Ls w/o vis. porosity, sl fsl, tight, sctrd XLN porosity, barren

Lm- Cream Off White, FXLN, fsl, mostly tight w/ sctrd XLN porosity, heavily mottled, barren

Lm- Cream Off White, FXLN, fsl, well dev. w/ dense XLN porosity, semi-crumbley, clean & barren

Lm- Cream Off White Buff, FXLN, sl fsl, mostly tight w/ sctrd XLN porosity, clean & barren

Lm- A/A chalky in part, Buff, VFXLN, dense, trashy bioclastic & fsl, well cemented, tight porcelain like cherty Ls w/o vis. porosity,

Lm- Cream Buff, FXLN, dense, well cemented, mostly tight w/ sctrd-dense XLN porosity, some chalky in part, mottling

Lm- Cream Off White, FXLN, sl fsl, poorly dev. w/ sctrd XLN porosity, clean & barren

**HEEBNER 3074' (-1143) E-LOG 3073' (-1142)** Sh- Black Gray Maroon, fissile & carbonaceous, gritty & earthy

**TORONTO 3093' (-1162) E-LOG 3090' (-1159)** Lm- Cream Off White, FXLN, mod. dev. w/ sctrd dnse XLN porosity, clean & barren

Lm- Off White, VF-FXLN, dense, well cemented, porcelain like cherty Ls w/ sctrd secondary reXLN porosity, TWO PCS W/ SCTRD LT ST, NSFO, NO ODR

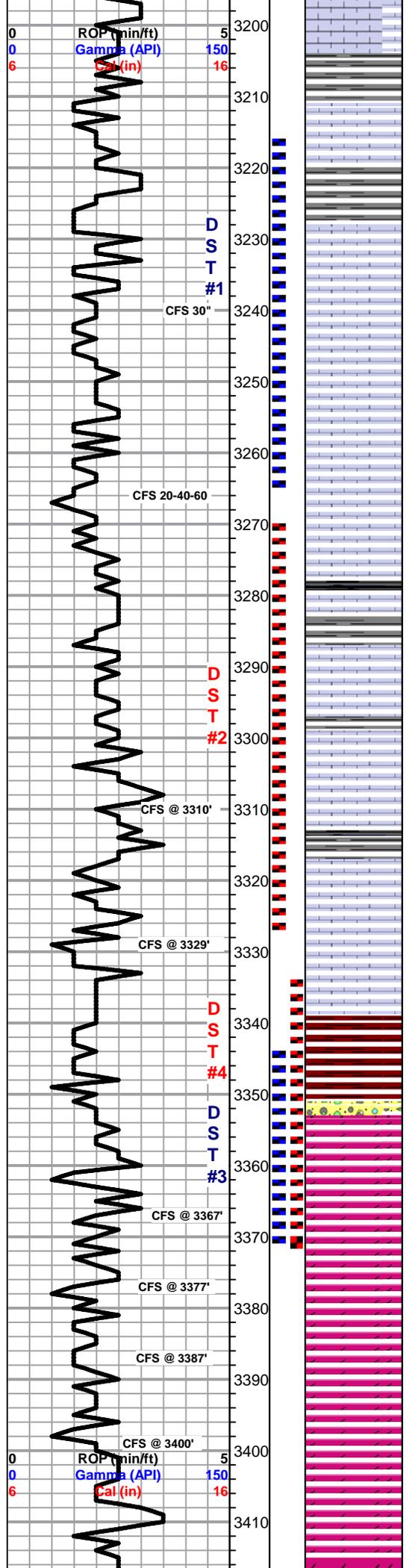
Sh- Gray Maroon, gummy argillaceous clumps, sandy & gritty

**LKC 3144 (-1213) E-LOG 3143' (-1212)** Lm- Cream Off White, FXLN, mod. well dev., loosely cemented & semi-crumbley, dense XLN & fn ppt intergranular  
 Lm- Cream Buff, VF-FXLN, dense well cemented & tight w/ poor vis. porosity, tight & fsl w/ poor sctrd XLN porosity, all clean & barren

Lm- Cream Off White, FXLN, fsl w/ crinoids & fusulinids, dense XLN & secondary reXLN porosity, few pcs sl chalky in part, clean & barren

Lm- Cream Off White Buff, fsl, poorly dev. w/ dense XLN porosity, barren, some sl chalky in part

Lm- Cream Off White, FXLN, mix of fsl w/ dense XLN porosity 2 PCS W/ LT SCTRD



STN, NSFO, NO ODR, 1 PCS w/ BLK RESIDUAL DO STN, & oomoldic w/ empty vugs, no intervugular connectivity

Lm- Cream, FXLN, fsl, well dev. w/ dense XLN & secondary reXLN porosity, clean & barren, several pcs tight, pristine & barren

Lm- Cream Off White, FXLN, well dev. w/ dense fn ppt & XLN porosity, well cemented, DRK SCTRD STN, TR GSY FO, FNT ODR

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

Lm- Cream Buff, FXLN, loosely cemented, crumbly & poorly dev. dense XLN porosity, sl chalky in part, 2-3 PCS W/ DRK SCTRD STN, NSFO, TR ODR

Lm- Cream Semi-Translucent, FXLN, fsl & oolitic, sctrd dev. w/ sctrd-dnse vry fn ppt & XLN porosity veins, 1-2 PCS W/ LT SCTRD STN, NSFO, TR ODR

Lm- Cream Off White, FXLN, dense, loosely cemented, chalky in part, barren

Sh- Black Gray Maroon, fissile & carbonaceous, gritty & calcareous

Lm- Off White, VF-FXLN, dense, well cemented, sctrd vry fn ppt & XLN porosity, WK BLK GSY STN, TR FO, WK ODR

Lm- Cream Off White, FXLN, oolitic, sctrd dev. from poor/no vis. porosity & barren to 2 pcs well dev. oolitic w/ ppt inter oolite porosity, DRK SAT STN, NSFO, WK ODR

Sh- Black Gray Maroon, fissile & carbonaceous, silty, gritty & earthy

Lm- Cream Tan, FXLN, sl oolitic, loosely cemented & semi-crumbly, LT SCTRD STN, NSFO, WK-FR ODR

Lm- Cream Tan, VF-FXLN, dnse, loosely-well cemented, poorly dev. w/ sctrd XLN porosity, chalky in part, clean & barren

**BKC 3341' (-1410) E-LOG 3339' (-1408)** Sh- Maroon Gray Green, gritty & earthy, dense & waxy

**CONGLOMERATE E-LOG 3353' (-1422)** Chert/ Dolomite, various dark colored fresh bedded chert & conglomerate w/ sub-rounded qtz inclusions & reworked chert, Dol- Cream Off White, FXLN, well cemented, poorly dev. w/ consistent micro XLN porosity, LT SCTRD STN, NSFO, GD ODR, few reworked pcs sl sandy, some w/ qtz inclusions A/A

**ARBUCKLE 3367' (-1436) E-LOG 3359' (-1428)** 3377' 20"- Dol- Cream Off White, F-MedXLN, mix of tight & mod. dev. & friable, consistent ppt inter granular porosity, LT BRWN SCTRD STN, NSFO, GD ODR, LT YLW FLOR., abundant soft white chalk

40"- Dol- Cream, F-MedXLN, mix of dense & well cemented, semi-sucrosic sctrd micro XLN, LT SCTRD STN, NSFO, GD ODR, friable, well dev. w/ consistent ppt inter XLN porosity, LT SCTRD STN, NSFO, GD ODR, LT YLW FLOR

60"- A/A w/ less chalk

3387' 20"- Dol- Tan, MedXLN, sucrosic & mostly well dev. w/ sctrd fn ppt inter XLN porosity, well cemented, massive, LT SCTRD STN, TR FO ON A FEW PCS, GD ODR, LT YWL HALO FLOR.

40"- A/A

60"- A/A

3400' 20"- Dol- Cream Tan, Med-CrsXLN, mostly friable, well dev. w/ consistent fn ppt & XLN porosity, sucrosic, SCTRD DRK STN, TR GSY FO, GD ODR

40"- Dol- Cream, Med-CrsXLN, well dev. w/ sctrd ppt inter XLN porosity, sucrosic, SCTRD DRK STN, FR SFO, GD ODR, several pcs of fresh bedded off white chert/dolomitic chert/cherty dolomite, & VFXLN, dense, well cemented, tight & barren 60"- A/A

Dol- Tan, FXLN, massive, vry well cemented, sctrd ppt sub-vuggy porosity, semi-

**SHORT TRIP SURVEY 1 1/4deg STRAP +0.54'**

**DST #1 LKC D-G 3616' - 3666' 2' MUD**

IFP: 11-13#  
FFP: 13-17#  
SIP: 50-47#

**DST #2 LKC H-K 3270' - 3329' 30-30-30-30**

**45' SLOCM (2% O, 98% M)**

IFP: 13-24#  
FFP: 27-34#  
SIP: 745-623#  
BHT: 93 deg

**DST #3 ARBUCKLE (STRADDLE) 3345' - 3372' MISRUN**

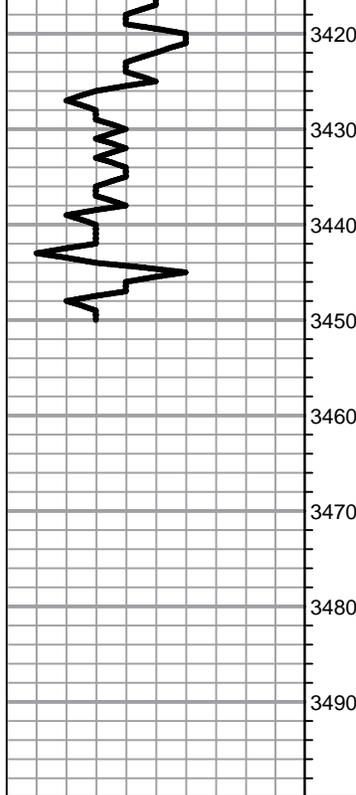
**382' MUD**

IFP: 20-22#  
FFP: N/A  
SIP: N/A

**DST #4 ARBUCKLE 3335' - 3372'**

**20' MUD**

IFP: 16-20#  
FFP: 19-20#  
SIP: 34-28#



sucrosic, DRK STN, SCTR D BLEEDING OIL, GD ODR, GD SHEEN ON WET CUP  
 A/A w/ sandy frosted dolomite, friable, SAT DRK STN, FR OIL UPON BREAK, GD ODR

Dol- White, VF-FXLN, most loosely cemented, friable, some well cemented & dense, consistent micro XLN porosity, mostly barren & pristine

Dol- Tan, F-MedXLN, dense, well cemented, mostly tight w/ consistent XLN porosity, barren

Dol- Cream Off White, VF-FXLN, dense, well cemented, tight w/ micro XLN porosity, barren

**RTD 3450' (-1519) LTD 3450' (-1519) @ 20:50 4/24/2018**

-  DST 3\_CHRT.jpg
-  DST 3\_RECOVERY.jpg
-  DST 4\_CHRT.jpg
-  DST 4\_RECOVERY.jpg

**DST 3\_CHRT.jpg**



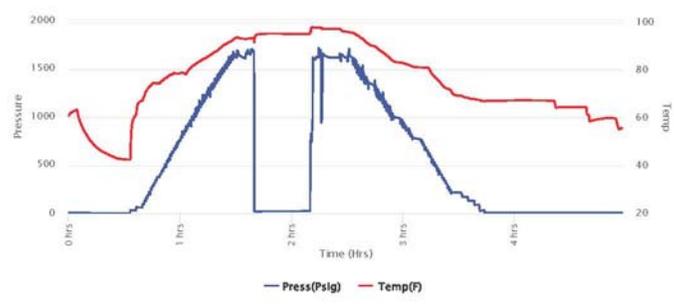
Company: Jason Oil Company LLC  
 Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC - Rig 2  
 Elevation: 1928 EGL  
 Field Name: Nuss South  
 Pool: Infield  
 Job Number: 148

**DATE**  
 April  
 25  
 2018

DST #3      Formation: ARBUCKLE      Test Interval: 3345 - 3372'      Total Depth: 3450'  
 Time On: 05:10 04/25      Time Off: 10:00 04/25  
 Time On Bottom: 06:45 04/25      Time Off Bottom: 07:30 04/25

Electronic Volume Estimate: 32'	<u>1st Open</u> Minutes: 25 1.3" at 25 min	1st Close N/A	<u>2nd Open</u> N/A	2nd Close N/A
---------------------------------	--	------------------	------------------------	------------------



# DST 3\_RECOVERY.jpg



Company: Jason Oil Company  
 LLC  
 Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 2  
 Elevation: 1928 EGL  
 Field Name: Nuss South  
 Pool: Infield  
 Job Number: 148

**DATE**  
 April  
 25  
 2018

DST #3      Formation: ARBUCKLE      Test Interval: 3345 - 3372'      Total Depth: 3450'  
 Time On: 05:10 04/25      Time Off: 10:00 04/25  
 Time On Bottom: 06:45 04/25      Time Off Bottom: 07:30 04/25

**Recovered**

Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
382	4.32797	M	0	0	0	100

Total Recovered: 382 ft  
 Total Barrels Recovered: 4.32797

**Reversed Out**  
 NO

Recovery at a glance



Initial Hydrostatic Pressure	1623	PSI
Initial Flow	20 to 22	PSI
Initial Closed in Pressure	0	PSI
Final Flow Pressure	0	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	1617	PSI
Temperature	96	°F
Pressure Change Initial Close / Final Close	0.0	%

# DST 4\_CHRT.jpg



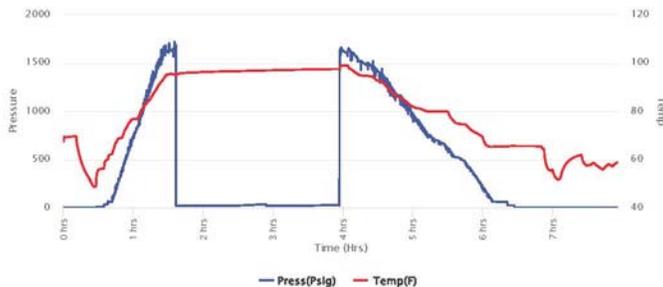
Company: Jason Oil Company ,  
 LLC  
 Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 2  
 Elevation: 1928 EGL  
 Field Name: Nuss South  
 Pool: Infield  
 Job Number: 148

**DATE**  
 April  
 25  
 2018

DST #4      Formation: ARBUCKLE      Test Interval: 3335 - 3372'      Total Depth: 3450'  
 Time On: 10:20 04/25      Time Off: 18:06 04/25  
 Time On Bottom: 11:52 04/25      Time Off Bottom: 14:07 04/25

Electronic Volume Estimate:	1st Open Minutes: 45 6" at 45 min	1st Close Minutes: 30 0" at 30 min	2nd Open Minutes: 30 0" at 30 min	2nd Close Minutes: 30 0" at 30 min
15'				



# DST 4\_RECOVERY.jpg



Company: Jason Oil Company  
 LLC  
 Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
 County: BARTON  
 State: Kansas  
 Drilling Contractor: WW Drilling, LLC -  
 Rig 2  
 Elevation: 1928 EGL  
 Field Name: Nuss South  
 Pool: Infield  
 Job Number: 148

**DATE**  
 April  
 25  
 2018

DST #4      Formation: ARBUCKLE      Test Interval: 3335 - 3372'      Total Depth: 3450'  
 Time On: 10:20 04/25      Time Off: 18:06 04/25  
 Time On Bottom: 11:52 04/25      Time Off Bottom: 14:07 04/25

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLS					
20	0.0984	M	0	0	0	100

Total Recovered: 20 ft  
 Total Barrels Recovered: 0.0984

**Reversed Out**  
 NO

Initial Hydrostatic Pressure	1630	PSI
Initial Flow	16 to 20	PSI
Initial Closed in Pressure	34	PSI
Final Flow Pressure	19 to 20	PSI
Final Closed in Pressure	28	PSI
Final Hydrostatic Pressure	1619	PSI
Temperature	98	°F
Pressure Change Initial Close / Final Close	16.3	%



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

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

No. 802

Date	4-20-18	Sec.	10	Twp.	16	Range	14	County	Barton	State	KS	On Location		Finish	100%
Location Russell & Barton co line 25 Winto															

Lease	Schoenberger	Well No.	10-16	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	WW #2				
Type Job	Surface				
Hole Size	13 1/4	T.D.	485	Charge To	Jason O. I
Csg.	8 5/8	Depth	484	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.	15	Shoe Joint		Cement Amount Ordered 225 8/20 3/112/62	
Meas Line		Displace	29 1/2 BCL		

**EQUIPMENT**

Pumptrk	17	No.	Cementer	180	Common
			Helper	45	Poz. Mix
Bulktrk		No.	Driver	1	Gel.
			Driver	8	Calcium
Bulktrk	15	No.	Driver		
			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
8 5/8 on bottom, EST Circulation	Sand
Mix 225 SKA Displace	Handling 233
	Mileage

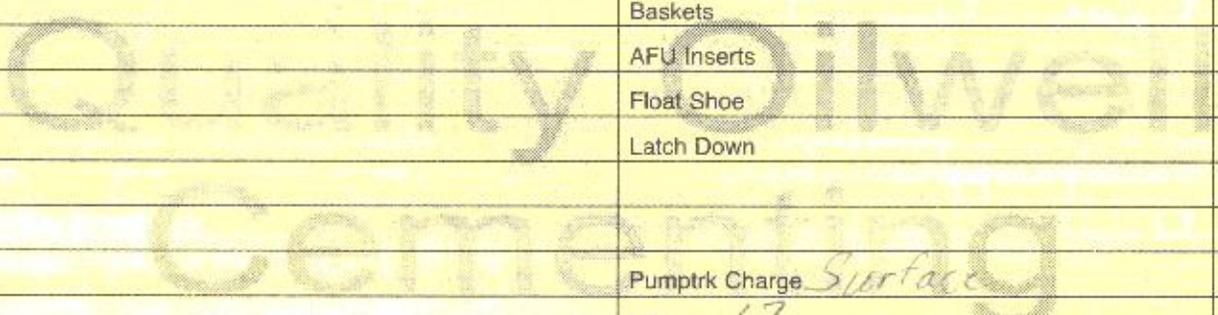
**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge	Surface
	Mileage	17

	Tax
	Discount
	Total Charge

X Signature *John Vail*



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

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

No. 752

Date	4-26-18	Sec.	10	Twp.	16	Range	14	County	Barton	State	Ks	On Location		Finish	1:45 AM				
Lease								Location		Barton + Russell C.L., 1 3/4 S w/3									
Contractor								Well No.		Owner									
nw 2								10-16		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								T.D.		Charge To									
Long string								3450'		Jason oil									
Hole Size								Depth		Street									
7 7/8"								3445'											
Csg.								Tbg. Size		City									
5 1/2" used										State									
Tool								Depth		The above was done to satisfaction and supervision of owner agent or contractor.									
Port Collar								#44 1836'											
Cement Left in Csg.								Shoe Joint		Cement Amount Ordered									
42'								42'		125 @ 70/30 10% salt									
Meas Line								Displace		5% Gilsomite 2% Gel 500 gal mud clear 48									
								81 BUS											
<b>EQUIPMENT</b>												Common							
Pumptrk		17 No.		Cementer		Travis		Poz. Mix											
				Helper															
Bulktrk		3 No.		Driver		Doug		Gel.											
				Driver															
Bulktrk		p.u. No.		Driver		Rick		Calcium											
				Driver															
<b>JOB SERVICES &amp; REMARKS</b>												Hulls							
Remarks:												Salt							
Rat Hole												Flowseal							
30 sr																			
Mouse Hole												Kol-Seal							
Centralizers												Mud CLR 48							
15' above F. Sho. 1, 3, 6, 9, 12																			
Baskets												CFL-117 or CD110 CAF 38							
44																			
D/V or Port Collar												Sand							
#44 #1836'												Handling							
pipe on bottom break circulation												Mileage							
pump 500 gal mud clear 48, plug																			
Rathole w/ 30sr, Cement 5 1/2"												<b>FLOAT EQUIPMENT</b>							
Casing w/ 95 sr. Shut down												Guide Shoe		Port Collar					
wash pump + lines. Released plug												Centralizer		6					
+ Displaced w/ 81 BUS of H2O												Baskets		1					
Released + toll.												AFI Inserts		Limit Clamp					
Lift pressure 700 #												Float Shoe		1					
Land plug to 1500 #												Latch Down		1					
												Pumptrk Charge							
												Mileage							
												Tax							
												Discount							
												Total Charge							

X Signature *[Handwritten Signature]*



# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**23**  
2018

**DST #1**      **Formation: Lans "D-G"**      **Test Interval: 3216 - 3266'**      **Total Depth: 3266'**

Time On: 14:30 04/23      Time Off: 20:05 04/23  
Time On Bottom: 16:27 04/23      Time Off Bottom: 18:27 04/23

Electronic Volume Estimate:  
2'

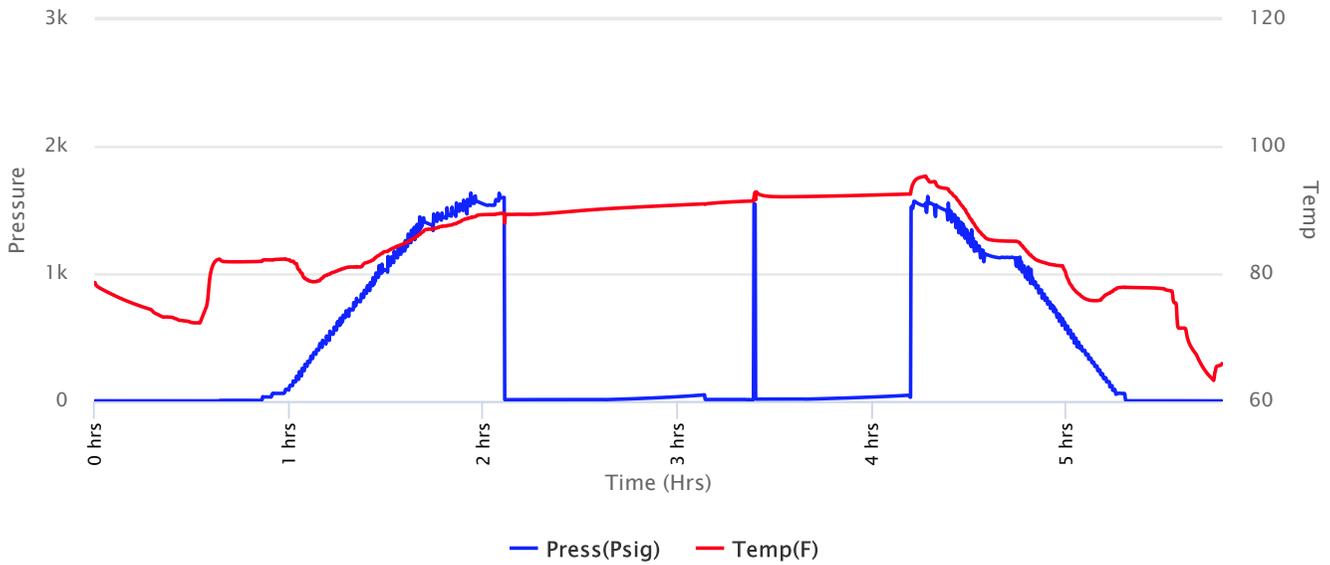
1st Open  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: .1"

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

2nd Open  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

2nd Close  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

Inside Recorder





# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**23**  
2018

**DST #1**      **Formation: Lans "D-G"**      **Test Interval: 3216 - 3266'**      **Total Depth: 3266'**  
Time On: 14:30 04/23      Time Off: 20:05 04/23  
Time On Bottom: 16:27 04/23      Time Off Bottom: 18:27 04/23

Recovered

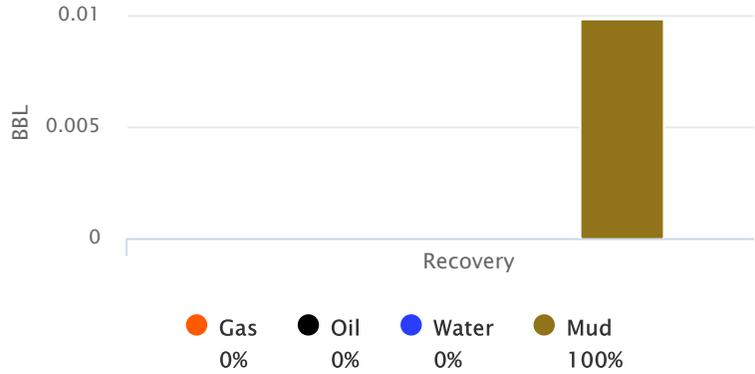
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
2	0.00984	M	0	0	0	100

Total Recovered: 2 ft  
Total Barrels Recovered: 0.00984

**Reversed Out**  
**NO**

Initial Hydrostatic Pressure	1537	PSI
Initial Flow	11 to 13	PSI
<b>Initial Closed in Pressure</b>	<b>50</b>	<b>PSI</b>
Final Flow Pressure	13 to 17	PSI
<b>Final Closed in Pressure</b>	<b>47</b>	<b>PSI</b>
Final Hydrostatic Pressure	1532	PSI
Temperature	93	°F
Pressure Change Initial Close / Final Close	6.3	%

### Recovery at a glance





**Company: Jason Oil Company,  
LLC**

**Lease: Schoenberger #10-16**

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**23**  
2018

<b>DST #1</b>	<b>Formation: Lans "D- G"</b>	<b>Test Interval: 3216 - 3266'</b>	<b>Total Depth: 3266'</b>
	Time On: 14:30 04/23	Time Off: 20:05 04/23	
	Time On Bottom: 16:27 04/23	Time Off Bottom: 18:27 04/23	

**BUCKET MEASUREMENT:**

**REMARKS:**

Initial Flow: Weak, surface blow. Died in 20 mins.  
Initial Shut-in: No blow back.  
Final Flow: No blow. No build. Flushed tool 10 mins. into Final Flow. Good surge. No blow.  
Final Shut-in: No blow back.

Tool Sample: 100% mud w/several oil specks



# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**23**  
2018

**DST #1**      **Formation: Lans "D-G"**      **Test Interval: 3216 - 3266'**      **Total Depth: 3266'**  
Time On: 14:30 04/23      Time Off: 20:05 04/23  
Time On Bottom: 16:27 04/23      Time Off Bottom: 18:27 04/23

### Down Hole Makeup

<b>Heads Up:</b> 21.94 FT	<b>Packer 1:</b> 3211 FT
<b>Drill Pipe:</b> 3093.78 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3216 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3203 FT
<b>Collars:</b> 119 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3254 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 50	<b>Surface Choke:</b> 1"
<b><u>Anchor Makeup</u></b>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> .5 FT	
<b>Drill Pipe: (in anchor):</b> 32 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 13 FT <i>4 1/2-FH</i>	



**Company: Jason Oil Company,  
LLC**

**Lease: Schoenberger #10-16**

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**23**  
2018

**DST #1**      **Formation: Lans "D-  
G"**      **Test Interval: 3216 -  
3266'**      **Total Depth: 3266'**  
  
Time On: 14:30 04/23      Time Off: 20:05 04/23  
Time On Bottom: 16:27 04/23      Time Off Bottom: 18:27 04/23

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 8.8      **Viscosity:** 52      **Filtrate:** 8.0      **Chlorides:** 4,000 ppm



# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**24**  
2018

**DST #2**      **Formation: L/KC "H-K"**      **Test Interval: 3270 - 3329'**      **Total Depth: 3329'**

Time On: 04:14 04/24      Time Off: 09:35 04/24  
Time On Bottom: 06:00 04/24      Time Off Bottom: 08:00 04/24

Electronic Volume Estimate:  
42'

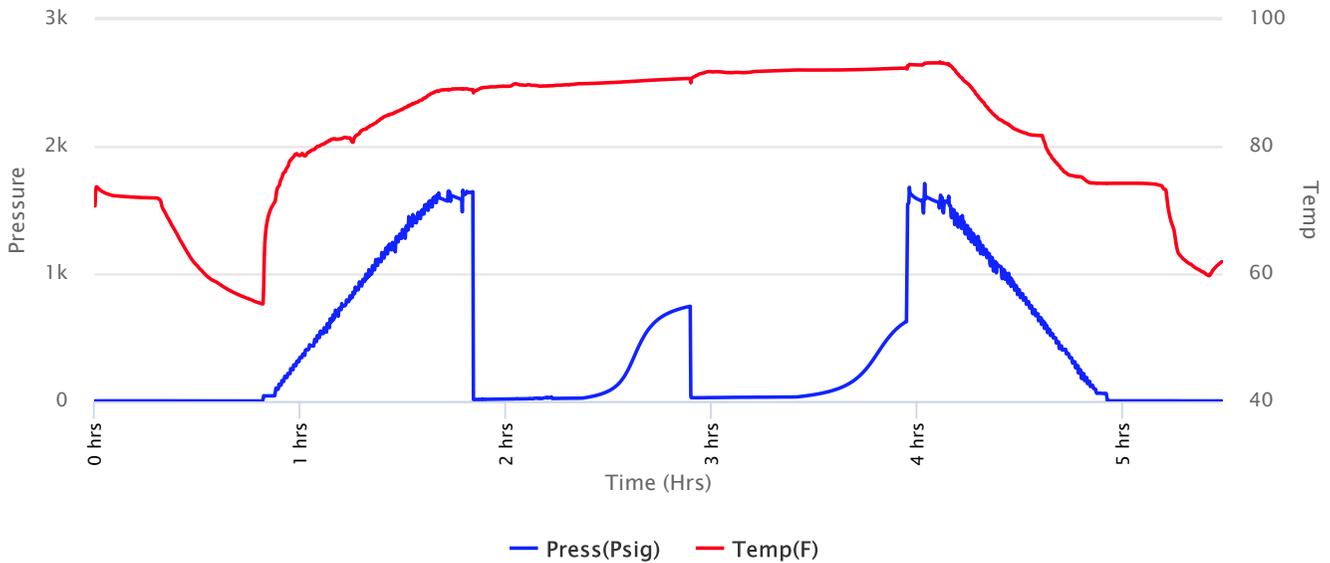
1st Open  
Minutes: 30  
Current Reading:  
1.25" at 30 min  
Max Reading: 1.25"

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

2nd Open  
Minutes: 30  
Current Reading:  
.48" at 30 min  
Max Reading: .48"

2nd Close  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

Inside Recorder





# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**24**  
2018

**DST #2**      **Formation: L/KC "H-K"**      **Test Interval: 3270 - 3329'**      **Total Depth: 3329'**  
Time On: 04:14 04/24      Time Off: 09:35 04/24  
Time On Bottom: 06:00 04/24      Time Off Bottom: 08:00 04/24

Recovered

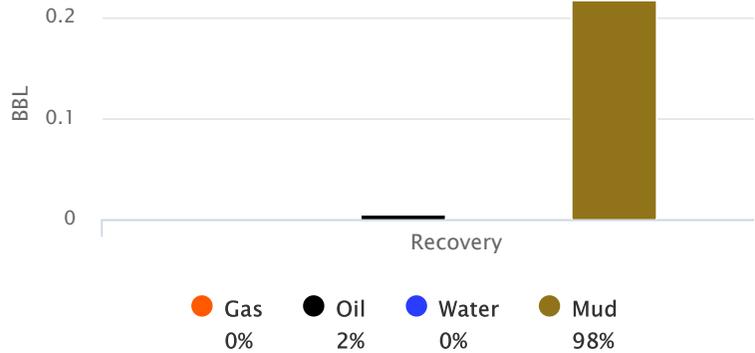
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
45	0.2214	SLOCM	0	2	0	98

Total Recovered: 45 ft  
Total Barrels Recovered: 0.2214

**Reversed Out**  
**NO**

Initial Hydrostatic Pressure	1591	PSI
Initial Flow	13 to 24	PSI
<b>Initial Closed in Pressure</b>	<b>745</b>	<b>PSI</b>
Final Flow Pressure	27 to 34	PSI
<b>Final Closed in Pressure</b>	<b>623</b>	<b>PSI</b>
Final Hydrostatic Pressure	1581	PSI
Temperature	93	°F
Pressure Change Initial Close / Final Close	16.3	%

### Recovery at a glance







# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**24**  
2018

**DST #2**      **Formation: L/KC "H-K"**      **Test Interval: 3270 - 3329'**      **Total Depth: 3329'**  
Time On: 04:14 04/24      Time Off: 09:35 04/24  
Time On Bottom: 06:00 04/24      Time Off Bottom: 08:00 04/24

### Down Hole Makeup

<b>Heads Up:</b> 31.19 FT	<b>Packer 1:</b> 3265 FT
<b>Drill Pipe:</b> 3157.03 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3270 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Top Recorder:</b> 3257 FT
<b>Collars:</b> 119 FT <i>ID-2 1/4</i>	<b>Bottom Recorder:</b> 3308 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Well Bore Size:</b> 7 7/8
<b>Total Anchor:</b> 59	<b>Surface Choke:</b> 1"
<u><b>Anchor Makeup</b></u>	<b>Bottom Choke:</b> 5/8"
<b>Packer Sub:</b> 1 FT	
<b>Perforations: (top):</b> 3 FT <i>4 1/2-FH</i>	
<b>Change Over:</b> 1 FT	
<b>Drill Pipe: (in anchor):</b> 31.5 FT <i>ID-3 1/2</i>	
<b>Change Over:</b> .5 FT	
<b>Perforations: (below):</b> 22 FT <i>4 1/2-FH</i>	



**Company: Jason Oil Company,  
LLC**

**Lease: Schoenberger #10-16**

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**24**  
2018

**DST #2**      **Formation: L/KC "H-  
K"**      **Test Interval: 3270 -  
3329'**      **Total Depth: 3329'**  
Time On: 04:14 04/24      Time Off: 09:35 04/24  
Time On Bottom: 06:00 04/24      Time Off Bottom: 08:00 04/24

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 8.8      **Viscosity:** 52      **Filtrate:** 8.0      **Chlorides:** 4,000 ppm



# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**25**  
2018

DST #3    Formation: Arbuckle    Test Interval: 3345 - 3372'    Total Depth: 3450'

Time On: 05:10 04/25    Time Off: 10:00 04/25  
Time On Bottom: 06:45 04/25    Time Off Bottom: 07:30 04/25

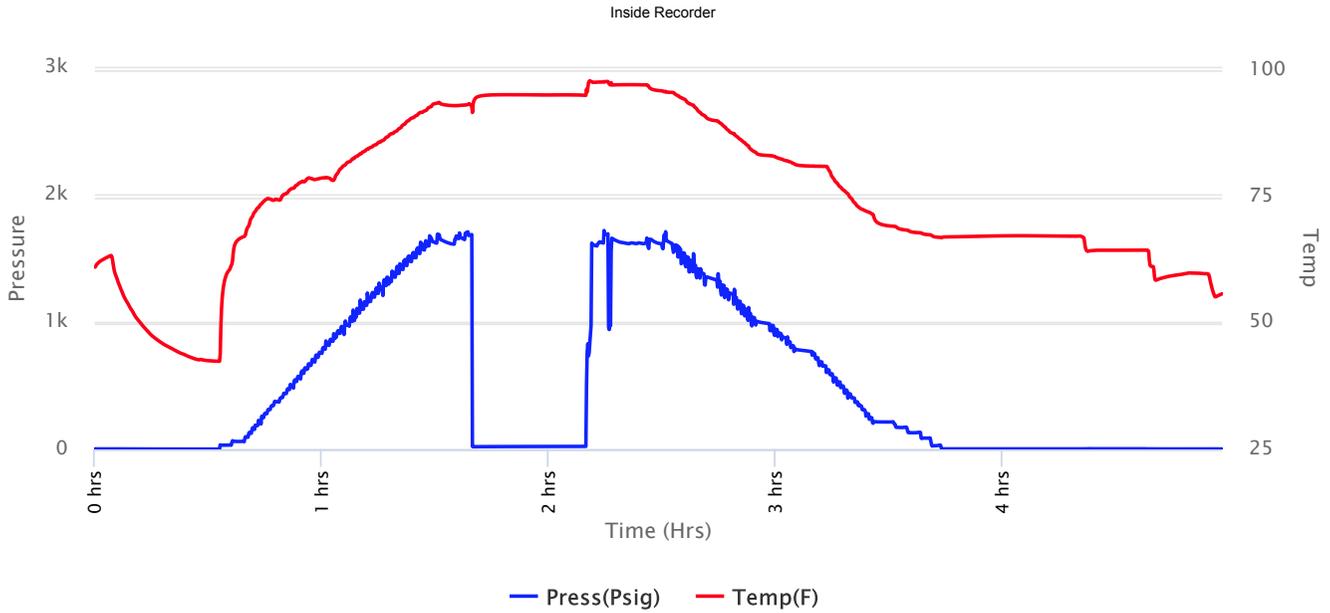
Electronic Volume Estimate:  
32'

1st Open  
Minutes: 25  
Current Reading:  
1.3" at 25 min  
Max Reading: 1.3"

1st Close  
N/A

2nd Open  
N/A

2nd Close  
N/A





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**Operation:**  
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**DATE**  
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**25**  
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**DST #3 Formation: Arbuckle Test Interval: 3345 - 3372' Total Depth: 3450'**

Time On: 05:10 04/25 Time Off: 10:00 04/25  
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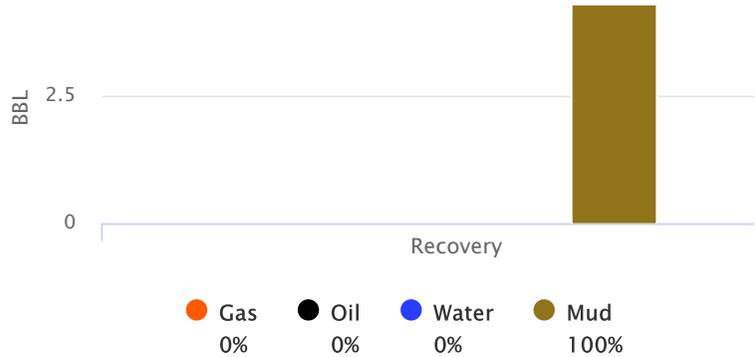
Recovered

Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
382	4.32797	M	0	0	0	100

Total Recovered: 382 ft  
 Total Barrels Recovered: 4.32797

**Reversed Out**  
**NO**

**Recovery at a glance**



Initial Hydrostatic Pressure	1623	PSI
Initial Flow	20 to 22	PSI
<b>Initial Closed in Pressure</b>	<b>0</b>	<b>PSI</b>
Final Flow Pressure	0	PSI
<b>Final Closed in Pressure</b>	<b>0</b>	<b>PSI</b>
Final Hydrostatic Pressure	1617	PSI
Temperature	96	°F
Pressure Change Initial Close / Final Close	0.0	%



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Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**25**  
2018

**DST #3      Formation: Arbuckle      Test Interval: 3345 - 3372'      Total Depth: 3450'**

Time On: 05:10 04/25      Time Off: 10:00 04/25  
Time On Bottom: 06:45 04/25      Time Off Bottom: 07:30 04/25

### BUCKET MEASUREMENT:

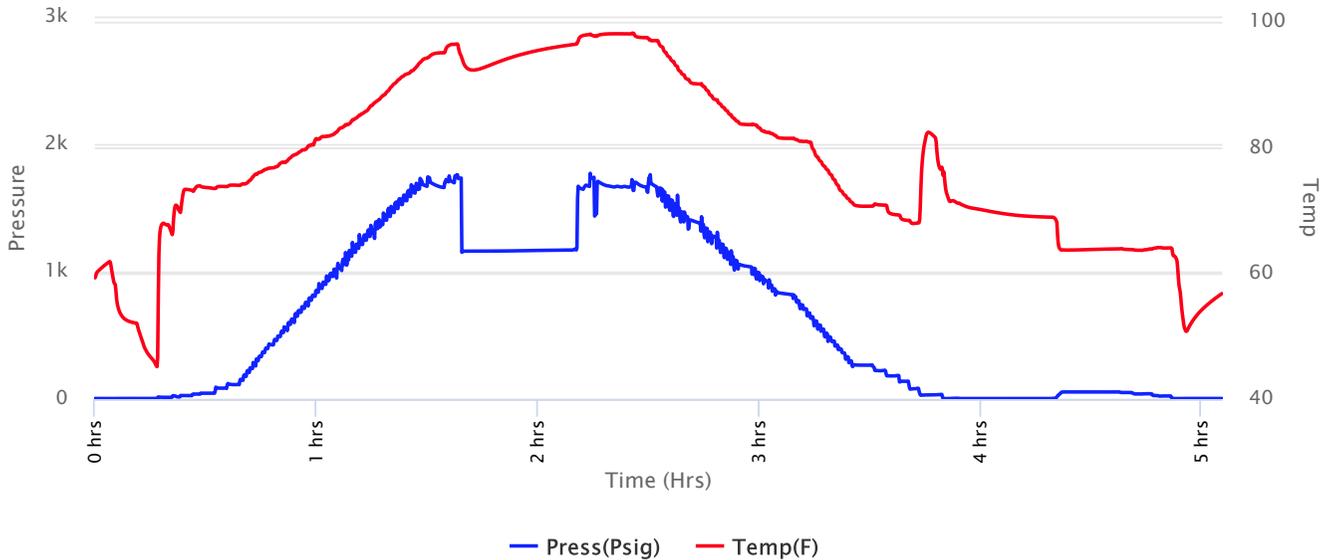
**REMARKS:**  
MISRUN!

Initial Flow: Weak, surface blow building to 1 1/4 ins. in 25 mins. Lost packer seat 28 mins. into initial flow. Attempted to seat packers a 2nd time, adding more weight, with the same results. Pulled tool.

Tool Sample: 100% mud

Light scum of oil in top 136 ft. of recovery.  
Below Straddle Max PSI: 1,168

Below Straddle Recorder





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County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**25**  
2018

**DST #3**      **Formation: Arbuckle**      **Test Interval: 3345 - 3372'**      **Total Depth: 3450'**  
Time On: 05:10 04/25      Time Off: 10:00 04/25  
Time On Bottom: 06:45 04/25      Time Off Bottom: 07:30 04/25

### Down Hole Makeup

<b>Heads Up:</b> 19.25 FT	<b>Packer 1:</b> 3340 FT
<b>Drill Pipe:</b> 3220.09 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3345 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Packer 3:</b> 3372 FT
<b>Collars:</b> 119 FT <i>ID-2 1/4</i>	<b>Top Recorder:</b> 3332 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Bottom Recorder:</b> 3350 FT
<b>Total Anchor:</b> 27	<b>Below Straddle Recorder:</b> 3439 FT
	<b>Well Bore Size:</b> 7 7/8
	<b>Surface Choke:</b> 1"
	<b>Bottom Choke:</b> 5/8"

#### Anchor Makeup

**Packer Sub:** 1 FT

**Perforations: (top):** 3 FT  
*4 1/2-FH*

**Change Over:** FT

**Drill Pipe: (in anchor):** FT  
*ID-3 1/2*

**Change Over:** FT

**Perforations: (below):** 23 FT  
*4 1/2-FH*

#### STRADDLE

**Straddle Packer(s):** 1 FT

**Change Over:** 1 FT

**Drill Pipe:** 63 FT  
*ID-3 1/2"*

**Change Over:** 1 FT

**Perforations (in tail pipe):** 12 FT  
*4 1/2-FH*



**Company: Jason Oil Company,  
LLC**

**Lease: Schoenberger #10-16**

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**25**  
2018

**DST #3      Formation: Arbuckle      Test Interval: 3345 -      Total Depth: 3450'**  
**3372'**

Time On: 05:10 04/25      Time Off: 10:00 04/25  
Time On Bottom: 06:45 04/25      Time Off Bottom: 07:30 04/25

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.3      **Viscosity:** 50      **Filtrate:** 8.0      **Chlorides:** 4,800 ppm



# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**25**  
2018

**DST #4**    **Formation: Arbuckle**    **Test Interval: 3335 - 3372'**    **Total Depth: 3450'**

Time On: 10:20 04/25    Time Off: 18:06 04/25  
Time On Bottom: 11:52 04/25    Time Off Bottom: 14:07 04/25

Electronic Volume Estimate:  
20'

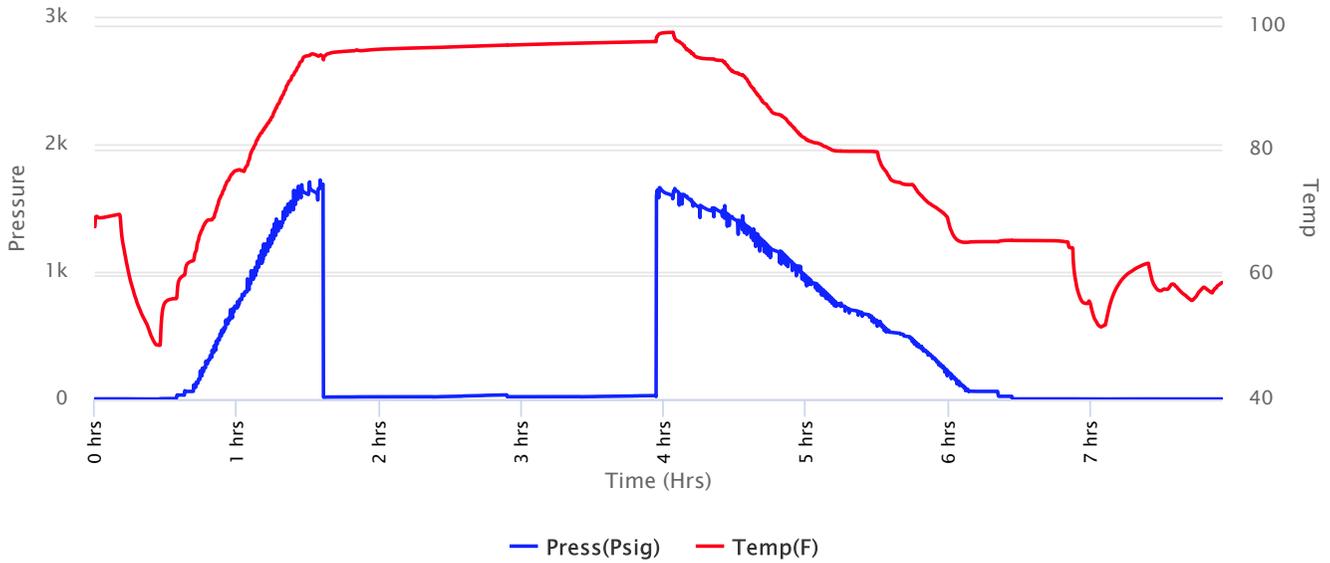
1st Open  
Minutes: 45  
Current Reading:  
.6" at 45 min  
Max Reading: .8"

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

2nd Open  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

2nd Close  
Minutes: 30  
Current Reading:  
0" at 30 min  
Max Reading: 0"

Inside Recorder





# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**25**  
2018

**DST #4**    **Formation: Arbuckle**    **Test Interval: 3335 - 3372'**    **Total Depth: 3450'**

Time On: 10:20 04/25    Time Off: 18:06 04/25  
Time On Bottom: 11:52 04/25    Time Off Bottom: 14:07 04/25

### Recovered

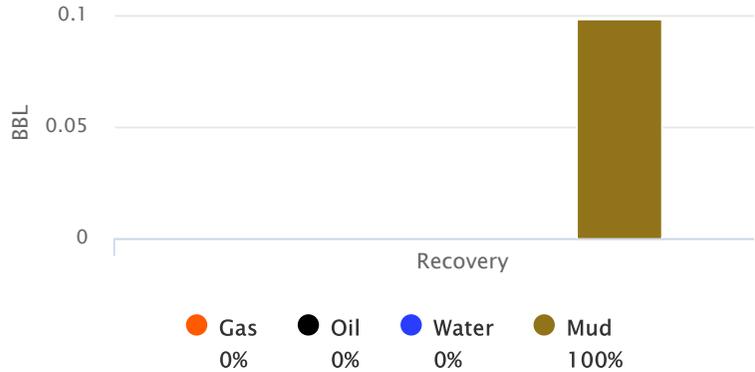
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
20	0.0984	M	0	0	0	100

Total Recovered: 20 ft  
Total Barrels Recovered: 0.0984

**Reversed Out**  
**NO**

Initial Hydrostatic Pressure	1630	PSI
Initial Flow	16 to 20	PSI
<b>Initial Closed in Pressure</b>	<b>34</b>	<b>PSI</b>
Final Flow Pressure	19 to 20	PSI
<b>Final Closed in Pressure</b>	<b>28</b>	<b>PSI</b>
Final Hydrostatic Pressure	1619	PSI
Temperature	98	°F
Pressure Change Initial Close / Final Close	16.3	%

### Recovery at a glance





# Company: Jason Oil Company, LLC

## Lease: Schoenberger #10-16

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**25**  
2018

**DST #4      Formation: Arbuckle      Test Interval: 3335 - 3372'      Total Depth: 3450'**

Time On: 10:20 04/25      Time Off: 18:06 04/25  
Time On Bottom: 11:52 04/25      Time Off Bottom: 14:07 04/25

### BUCKET MEASUREMENT:

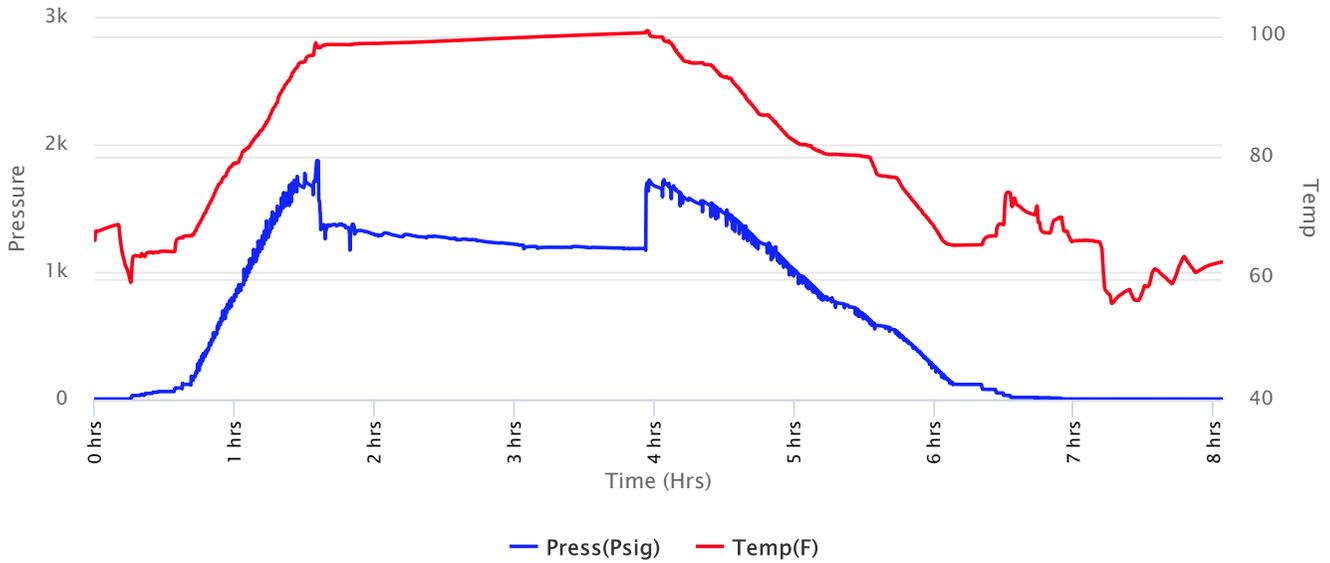
### REMARKS:

Initial Flow: 1/4 in. blow building to 3/4 in. in 45 mins.  
Initial Shut-in: No blow back.  
Final Flow: No blow. No build.  
Final Shut-in: No blow back.

Tool Sample: 100% mud w/a trace of oil

Below Straddle Max PSI: 1,370

### Below Straddle Recorder





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County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC - Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**25**  
2018

**DST #4**      **Formation: Arbuckle**      **Test Interval: 3335 - 3372'**      **Total Depth: 3450'**  
Time On: 10:20 04/25      Time Off: 18:06 04/25  
Time On Bottom: 11:52 04/25      Time Off Bottom: 14:07 04/25

### Down Hole Makeup

<b>Heads Up:</b> 29.25 FT	<b>Packer 1:</b> 3330 FT
<b>Drill Pipe:</b> 3220.09 FT <i>ID-3 1/2</i>	<b>Packer 2:</b> 3335 FT
<b>Weight Pipe:</b> FT <i>ID-2 7/8</i>	<b>Packer 3:</b> 3372 FT
<b>Collars:</b> 119 FT <i>ID-2 1/4</i>	<b>Top Recorder:</b> 3322 FT
<b>Test Tool:</b> 26.16 FT <i>ID-3 1/2-FH</i>	<b>Bottom Recorder:</b> 3340 FT
<b>Total Anchor:</b> 37	<b>Below Straddle Recorder:</b> 3439 FT
	<b>Well Bore Size:</b> 7 7/8
	<b>Surface Choke:</b> 1"
	<b>Bottom Choke:</b> 5/8"

#### Anchor Makeup

**Packer Sub:** 1 FT

**Perforations: (top):** 3 FT  
*4 1/2-FH*

**Change Over:** FT

**Drill Pipe: (in anchor):** FT  
*ID-3 1/2*

**Change Over:** FT

**Perforations: (below):** 33 FT  
*4 1/2-FH*

#### STRADDLE

**Straddle Packer(s):** 1 FT

**Change Over:** 1 FT

**Drill Pipe:** 63 FT  
*ID-3 1/2"*

**Change Over:** 1 FT

**Perforations (in tail pipe):** 12 FT  
*4 1/2-FH*



**Company: Jason Oil Company,  
LLC**

**Lease: Schoenberger #10-16**

SEC: 10 TWN: 16S RNG: 14W  
County: BARTON  
State: Kansas  
Drilling Contractor: WW Drilling, LLC -  
Rig 2  
Elevation: 1928 EGL  
Field Name: Nuss South  
Pool: Infield  
Job Number: 148

**Operation:**  
Well Complete

**DATE**  
April  
**25**  
2018

**DST #4      Formation: Arbuckle      Test Interval: 3335 -      Total Depth: 3450'**  
**3372'**

Time On: 10:20 04/25      Time Off: 18:06 04/25  
Time On Bottom: 11:52 04/25      Time Off Bottom: 14:07 04/25

**Mud Properties**

**Mud Type:** Chemical      **Weight:** 9.2      **Viscosity:** 46      **Filtrate:** 8.0      **Chlorides:** 4,800 ppm