

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

| 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 _____ |
|---|--|--|

| 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: | |
|----------------|-------|---------|------------|--|

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. 1247

| | | | | | | | | | | | | | | | |
|-----------------------------------|--------|------|----|------------|---|-------|----|--|-------|-------|----|-------------|--|--------|--------|
| Date | 4-4-19 | Sec. | 20 | Twp. | 8 | Range | 15 | County | ROCKS | State | KS | On Location | | Finish | 1:30pm |
| Lease | | | | | | | | Well No. | Owner | | | | | | |
| Contractor | | | | | | | | To Quality Oilwell Cementing, Inc. | | | | | | | |
| Type Job | | | | | | | | You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. | | | | | | | |
| Hole Size | | | | T.D. | | | | Charge | | | | To | | | |
| Csg. | | | | Depth | | | | Street | | | | City | | | |
| Tbg. Size | | | | Depth | | | | City | | | | State | | | |
| Tool | | | | Depth | | | | The above was done to satisfaction and supervision of owner agent or contractor. | | | | | | | |
| Cement Left in Csg. | | | | Shoe Joint | | | | Cement Amount Ordered | | | | | | | |
| Meas Line | | | | Displace | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | | | | |
| Pumptrk | | No. | | Cementer | | | | Common | | | | | | | |
| | | | | Helper | | | | Poz. Mix | | | | | | | |
| Bulktrk | | No. | | Driver | | | | Gel. | | | | | | | |
| | | | | Driver | | | | Calcium | | | | | | | |
| Bulktrk | | No. | | Driver | | | | Hulls | | | | | | | |
| | | | | Driver | | | | Salt | | | | | | | |
| JOB SERVICES & REMARKS | | | | | | | | | | | | | | | |
| Remarks: | | | | | | | | Flowseal | | | | | | | |
| Rat Hole | | | | | | | | Kol-Seal | | | | | | | |
| Mouse Hole | | | | | | | | Mud CLR 48 | | | | | | | |
| Centralizers | | | | | | | | CFL-117 or CD110 CAF 38 | | | | | | | |
| Baskets | | | | | | | | Sand | | | | | | | |
| D/V or Port Collar: | | | | | | | | Handling | | | | | | | |
| 8-5/8 on bottom. 100% Circulation | | | | | | | | Mileage | | | | | | | |
| MIS. HOLES & Displace | | | | | | | | FLOAT EQUIPMENT | | | | | | | |
| Cement Circulation | | | | | | | | Guide Shoe | | | | | | | |
| | | | | | | | | Centralizer | | | | | | | |
| | | | | | | | | Baskets | | | | | | | |
| | | | | | | | | AFU Inserts | | | | | | | |
| | | | | | | | | Float Shoe | | | | | | | |
| | | | | | | | | Latch Down | | | | | | | |
| | | | | | | | | Pumptrk Charge | | | | | | | |
| | | | | | | | | Mileage | | | | | | | |
| | | | | | | | | Tax | | | | | | | |
| | | | | | | | | Discount | | | | | | | |
| X Signature Paul E. Farmer | | | | | | | | Total Charge | | | | | | | |

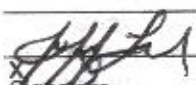
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 1262

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

| Date | Sec. | Twp. | Range | County | State | On Location | Finish |
|---|------|----------------------------|----------------|--|-------|-------------|----------|
| 4-10-19 | 20 | 8 | 18 | Rooks | Ks | | 12:00 PM |
| Lease <i>Pittman - Carsten</i> | | | | Location <i>Plainville - N to N Rd, 1W 1/2 S, 1 1/2 W to</i> | | | |
| Well No. <i>1</i> | | | | Owner <i>15 Rd, 1 S to PRd, 1/2 W, 5 into</i> | | | |
| Contractor <i>Southwind # 1</i> | | | | 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 <i>Top Stage</i> | | | | Charge To <i>Jason oil</i> | | | |
| Hole Size <i>7 1/8 in</i> | | T.D. <i>3520'</i> | | | | | |
| Csg. <i>5 1/2 in</i> | | Depth <i>3517.83</i> | | Street | | | |
| Tbg. Size | | Depth | | City | | State | |
| Tool <i>DJ Tool</i> | | Depth <i>1863'</i> | | The above was done to satisfaction and supervision of owner agent or contractor. | | | |
| Cement Left in Csg. | | Shoe Joint | | Cement Amount Ordered <i>350 80/20 QMDC 1/4# Flt seal</i> | | | |
| Meas Line | | Displace <i>45 1/2 BLS</i> | | | | | |
| EQUIPMENT | | | | Common | | | |
| Pumptrk <i>17</i> | No. | Cementer <i>David</i> | | Poz. Mix | | | |
| Bulktrk <i>19</i> | No. | Driver <i>Jack</i> | <i>Michael</i> | Gel. | | | |
| Bulktrk <i>9</i> | No. | Driver <i>Doug</i> | | Calcium | | | |
| JOB SERVICES & REMARKS | | | | Hulls | | | |
| Remarks: | | | | Salt | | | |
| Rat Hole | | | | Flowseal | | | |
| Mouse Hole | | | | Kol-Seal | | | |
| Centralizers | | | | Mud CLR 48 | | | |
| Baskets | | | | CFL-117 or CD110 CAF 38 | | | |
| <i>DN or Port Collar #43 1863'</i> | | | | Sand | | | |
| <i>Break Circulation, plug Rathole w/ 30SX + mousehole w/ 15SX</i> | | | | Handling | | | |
| <i>Hook to Casing + mix 30S 5X</i> | | | | Mileage | | | |
| <i>Cement, Shut down Released</i> | | | | FLOAT EQUIPMENT | | | |
| <i>Plug + Displaced w/ 45 1/2 BLS</i> | | | | Guide Shoe | | | |
| <i>H2O Released + held</i> | | | | Centralizer | | | |
| <i>Lift pressure 600 #</i> | | | | Baskets | | | |
| <i>Land plug to 1500 #</i> | | | | AFU Inserts | | | |
| <i>Cement did Circulate</i> | | | | Float Shoe | | | |
| | | | | Latch Down | | | |
| | | | | Pumptrk Charge | | | |
| | | | | Mileage | | | |
|  Signature | | | | Tax | | | |
| | | | | Discount | | | |
| | | | | Total Charge | | | |

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

No. 1261

Date 4-10-19 Sec. 20 Twp. 8 Range 18 County Rooks State Ks On Location _____ Finish 11:00 AM

Lease Pittman-Carster Location Plainville - N to N Rd, 1W, 1/2S, 1 1/2W

Well No. 1 Owner to 15 Rd, 15 to P Rd, 1/2 W, 5 1/2 Int

Contractor Southwind # 1 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 Bottom stage Charge To Jason oil

Hole Size 7 7/8" T.D. 3520' Street _____

Csg. 3 1/2" 1MB Depth 3517.83' City _____ State _____

Tbg. Size _____ Depth _____ The above was done to satisfaction and supervision of owner agent or contractor.

Tool DU Tool Depth 1863' Cement Amount Ordered 185 Q Pro-C 10% Salt 5% Gilsont

Cement Left in Csg. 24.90' Shoe Joint 24.90' Meas Line 40 mud 45 1/4 water Displace 85 1/4 BCS 500 gal Mud Clear

EQUIPMENT

| | | | |
|-----------------------------|-----------------------|----------------|----------|
| Pumptrk <u>17</u> No. _____ | Cementor <u>David</u> | <u>Rick</u> | Common |
| Bulktrk <u>9</u> No. _____ | Helper _____ | <u>Michael</u> | Poz. Mix |
| Bulktrk <u>9</u> No. _____ | Driver <u>Doug</u> | | Gel. |
| Bulktrk <u>9</u> No. _____ | Driver <u>Jack</u> | | Calcium |

JOB SERVICES & REMARKS

Remarks: _____ Salt _____

Rat Hole _____ Flowseal _____

Mouse Hole _____ Kol-Seal _____

Centralizers JT #s - 8, 5, 7, 9, 11, 13, 42 Mud CLR 48

Baskets 4, 12, 43, 54, 68 CFL-117 or CD110 CAF 38

DN or Port Collar #43 1863' Sand _____

pipe on bottom, break circulation Handling _____

pump 500 gal mud clear, 2 BCS Mileage _____

spacer, mix 185 sx cement, **FLOAT EQUIPMENT**

shut down, wash pump + lines Guide Shoe DU Tool w/ plug

Displaced plug w/ 85 1/4 BCS 1120 Centralizer 7

Released + held, 7 mud Baskets 5

Drop Dart + open tool 800 # AFU Inserts _____

Lift pressure 800 # Float Shoe 1

Land plug to 1500 # Latch Down _____

Break Circulation Pumptrk Charge _____

Signature _____
Signature

Tax _____
Discount _____
Total Charge _____

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. 1261

| | | | | | | | | | | | | | | | |
|-----------------------------------|--------------------------------|------|----------|--|---|----------|-------------------|--|-------|-------|----|---------------------------|--|--------|----------|
| Date | 4-10-19 | Sec. | 20 | Twp. | 8 | Range | 18 | County | Rooks | State | Ks | On Location | | Finish | 11:00 AM |
| Lease | Pittman-Carster | | | Well No. | 1 | | | Location Plainville - N to N Rd, 1W, 1/2S, 1/2W | | | | | | | |
| Contractor | Southwind | | | #1 | Owner to 15 Rd, 1S to P Rd, 1/2 W, S into | | | | | | | | | | |
| Type Job | Bottom Stage | | | 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. | | | | | | | | | | | |
| Hole Size | 7 7/8" | | | T.D. | 3520' | | | Charge To Jason oil | | | | | | | |
| Csg. | 3 1/2" 14# | | | Depth | 3517.83' | | | Street | | | | | | | |
| Tbg. Size | | | | Depth | | | | City State | | | | | | | |
| Tool | DU Tool | | | Depth | 1863' | | | The above was done to satisfaction and supervision of owner agent or contractor. | | | | | | | |
| Cement Left in Csg. | 24.90' | | | Shoe Joint | 24.90' | | | Cement Amount Ordered 185 Q Pro-C 10% Salt 5% Gilsen | | | | | | | |
| Meas Line | 40 mind 45 1/4" water Displace | | | 85 1/4 BUS | | | 500 gal Mud Clear | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | Common | | | |
| Pumptrk | 17 | No. | Cementer | David | Rick | Poz. Mix | | | | | | | | | |
| | | | Helper | | | | | | | | | | | | |
| Bulktrk | 9 | No. | Driver | Doug | Michael | Gel. | | | | | | | | | |
| | | | Driver | | | | | | | | | | | | |
| Bulktrk | 10 | No. | Driver | Jack | | Calcium | | | | | | | | | |
| | | | Driver | | | | | | | | | | | | |
| JOB SERVICES & REMARKS | | | | | | | | | | | | Hulls | | | |
| Remarks: | | | | | | | | | | | | Salt | | | |
| Rat Hole | | | | | | | | | | | | Flowseal | | | |
| Mouse Hole | | | | | | | | | | | | Kol-Seal | | | |
| Centralizers | J#s - 8, 5, 7, 9, 11, 13, 42 | | | | | | | | | | | Mud CLR 48 | | | |
| Baskets | 4, 12, 43, 54, 68 | | | | | | | | | | | CFL-117 or CD110 CAF 38 | | | |
| DN or Port Collar | #43 1863' | | | | | | | | | | | Sand | | | |
| pipe on bottom, break Circulation | | | | | | | | | | | | Handling | | | |
| pump 500 gal mud clear, 2 BUS | | | | | | | | | | | | Mileage | | | |
| spacer, mix 185 sx Cement. | | | | | | | | | | | | FLOAT EQUIPMENT | | | |
| shut down, wash pump + lines | | | | | | | | | | | | Guide Shoe DU Tool w/plug | | | |
| Displaced plug w/ 85 1/4 BUS 120. | | | | | | | | | | | | Centralizer 7 | | | |
| Released + held. r mud | | | | | | | | | | | | Baskets 5 | | | |
| Drop Dart + open tool 800 # | | | | | | | | | | | | AFU Inserts | | | |
| | | | | | | | | | | | | Float Shoe 1 | | | |
| Lift pressure 800 # | | | | | | | | | | | | Latch Down | | | |
| Land plug to 1500 # | | | | | | | | | | | | | | | |
| Break Circulation | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | Pumptrk Charge | | | |
| | | | | | | | | | | | | Mileage | | | |
| | | | | | | | | | | | | Tax | | | |
| | | | | | | | | | | | | Discount | | | |
| | | | | | | | | | | | | Total Charge | | | |

[Signature]
Signature

Scale 1:240 Imperial

Well Name: PITTMAN - CARSTEN #1
Surface Location: E2 NE NE NW Sec. 20 - 8S - 18W
Bottom Location:
API: 15-163-24388
License Number: 33813
Spud Date: 4/3/2019 Time: 6:30 PM
Region: ROOKS COUNTY
Drilling Completed: 4/9/2019 Time: 8:44 AM
Surface Coordinates: 330' FNL & 2875' FEL
Bottom Hole Coordinates:
Ground Elevation: 2012.00ft
K.B. Elevation: 2022.00ft
Logged Interval: 2850.00ft To: 3500.00ft
Total Depth: 3500.00ft
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: PITTMAN - CARSTEN #1
Location: E2 NE NE NW Sec. 20 - 8S - 18W
API: 15-163-24388
Pool: State: KANSAS Field: SWEET SOUTHWEST
Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.3536729
Latitude: 39.3494857
N/S Co-ord: 330' FNL
E/W Co-ord: 2875' 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: SOUTHWIND DRILLING
Rig #: 1
Rig Type: MUD ROTARY
Spud Date: 4/3/2019 Time: 6:30 PM
TD Date: 4/9/2019 Time: 8:44 AM
Rig Release: 4/10/2019 Time: 12:00 AM

ELEVATIONS

K.B. Elevation: 2022.00ft
K.B. to Ground: 10.00ft

Ground Elevation: 2012.00ft

NOTES

DUE TO ECONOMICAL RECOVERY DECISION WAS MADE TO RUN 5 1/2" PRODUCTION CASING & FURTHER EVALUATE ZONES OF INTEREST UPON COMPLETION.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

WELL COMPARISON SHEET

| FORMATION | PITTMAN - CARSTEN #1 | | | | P&A 5-2015 EDWIN C SCHEUTT / SHARP ENG. PITTMAN A #1 | | | | P&A 5-2015 EDWIN C SCHEUTT / SHARP ENG. PITTMAN B #1 | | | | FIML NATURAL RESOURCES HERTEL #1 OWWO SE SE SW 20-8-18 | | | | EDWIN C SCHEUTT / SHARP ENG. ROSTOCIL #1 SW SW SE 17-8-18 | | | | | | | | | | | |
|---------------|----------------------|-------|-------------|-------|--|-------|-------|-------|--|-------|-------|-------|--|-------|-------|-------|---|-------|-------|-------|------------|-------|-------|-------|-------|-------|-------|-------|
| | LOG TOPS | | SAMPLE TOPS | | 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. | DEPTH | DATUM | CORR. | CORR. |
| | ANHYDRITE TOP | 1409 | 613 | 1413 | 609 | | | | | 1399 | 607 | + 6 | + 2 | 1405 | 609 | + 4 | + 0 | 1409 | 617 | - 4 | - 8 | | | | | | | |
| BASE | 1444 | 578 | 1447 | 575 | | | | | 1435 | 571 | + 7 | + 4 | 1440 | 574 | + 4 | + 1 | 1446 | 580 | - 2 | - 5 | | | | | | | | |
| TOPEKA | 2942 | -920 | 2942 | -920 | | | | | 2928 | -922 | + 2 | + 2 | 2935 | -921 | + 1 | + 1 | 2948 | -922 | + 2 | + 2 | | | | | | | | |
| HEEBNER SHALE | 3149 | -1127 | 3151 | -1129 | 3161 | -1131 | + 4 | + 2 | 3137 | -1131 | + 4 | + 2 | 3143 | -1129 | + 2 | + 0 | 3158 | -1132 | + 5 | + 3 | | | | | | | | |
| TORONTO | 3173 | -1151 | 3176 | -1154 | 3183 | -1153 | + 2 | - 1 | 3159 | -1153 | + 2 | - 1 | 3165 | -1151 | + 0 | - 3 | 3180 | -1154 | + 3 | + 0 | | | | | | | | |
| LKC | 3192 | -1170 | 3195 | -1173 | 3202 | -1172 | + 2 | - 1 | 3178 | -1172 | + 2 | - 1 | 3185 | -1171 | + 1 | - 2 | 3199 | -1173 | + 3 | + 0 | | | | | | | | |
| BKC | 3411 | -1389 | 3411 | -1389 | 3418 | -1388 | - 1 | - 1 | 3400 | -1394 | + 5 | + 5 | 3405 | -1391 | + 2 | + 2 | 3418 | -1392 | + 3 | + 3 | | | | | | | | |
| ARRBUCKLE | 3451 | -1429 | 3452 | -1430 | 3451 | -1421 | - 8 | - 9 | 3434 | -1428 | - 1 | - 2 | 3438 | -1424 | - 5 | - 6 | 3452 | -1426 | - 3 | - 4 | | | | | | | | |
| TOTAL DEPTH | 3500 | -1478 | 3500 | -1478 | 3468 | -1438 | - 40 | - 40 | 3459 | -1453 | - 25 | - 25 | 3500 | -1486 | + 8 | + 8 | 3500 | -1474 | - 4 | - 4 | | | | | | | | |

DST #1 TORONTO - LKC A 3148' - 3200'



Company: Jason Oil Company, LLC
Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:

Uploading recovery & pressures

DATE

April
07
2019

DST #1 Formation: Toronto Test Interval: 3148 - 3200' Total Depth: 3200'
Time On: 12:29 04/07 Time Off: 19:10 04/07
Time On Bottom: 14:49 04/07 Time Off Bottom: 17:19 04/07

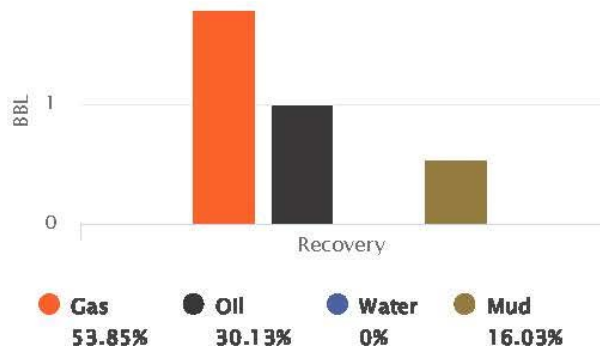
Recovered

| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 126 | 1.79298 | G | 100 | 0 | 0 | 0 |
| 15 | 0.21345 | O | 0 | 100 | 0 | 0 |
| 30 | 0.4269 | MCO | 0 | 80 | 0 | 20 |
| 63 | 0.89649 | HMCO | 0 | 50 | 0 | 50 |

Total Recovered: 234 ft
Total Barrels Recovered: 3.32982

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure 1472 PSI
Initial Flow 10 to 35 PSI
Initial Closed in Pressure 1004 PSI
Final Flow Pressure 36 to 55 PSI
Final Closed in Pressure 987 PSI
Final Hydrostatic Pressure 1460 PSI
Temperature 99 °F

Pressure Change Initial Close / Final Close 1.7 %

GIP cubic foot volume: 10.06669

DST #1 TORONTO - LKC A 3148' - 3200'



Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery & pressures

DATE
April
07
2019

DST #1 Formation: Toronto Test Interval: 3148 - 3200' Total Depth: 3200'
Time On: 12:29 04/07 Time Off: 19:10 04/07
Time On Bottom: 14:49 04/07 Time Off Bottom: 17:19 04/07

Electronic Volume Estimate:
291'

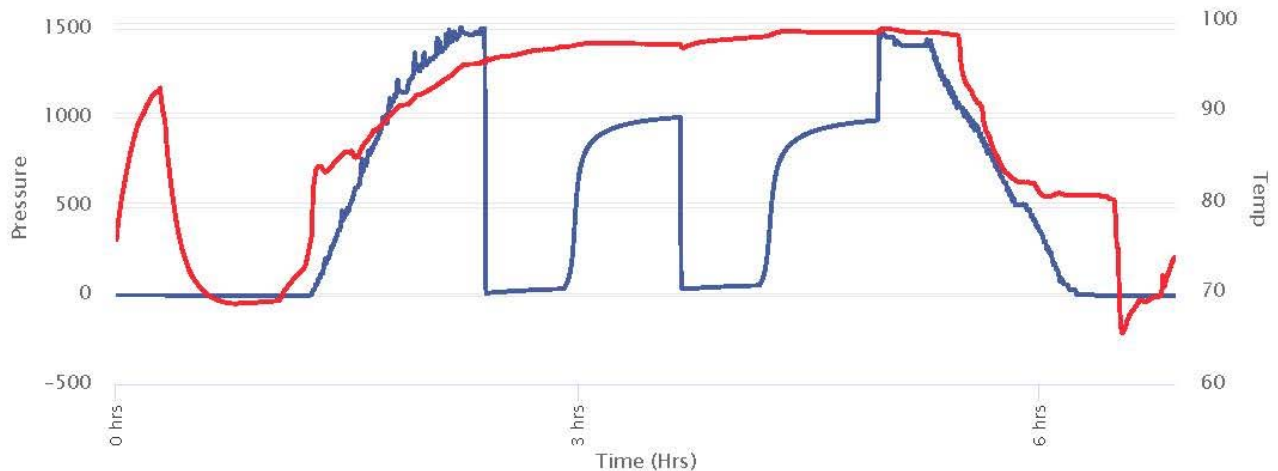
1st Open
Minutes: 30
Current Reading:
16.7" at 30 min
Max Reading: 16.7"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
19.2" at 30 min
Max Reading: 19.2"

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

Inside Recorder:



DST #2 ARBUCKLE 3408' - 3466'



Company: Jason Oil Company, LLC
Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 2014 EGL
 Field Name: Sweet SE
 Pool: Infield
 Job Number: 325

Operation:
 Uploading recovery & pressures

DATE
 April
08
 2019

DST #2 **Formation: Arbuckle** **Test Interval: 3408 - 3466'** **Total Depth: 3466'**
 Time On: 21:55 04/08 Time Off: 04:37 04/09
 Time On Bottom: 23:59 04/09 Time Off Bottom: 02:29 04/10

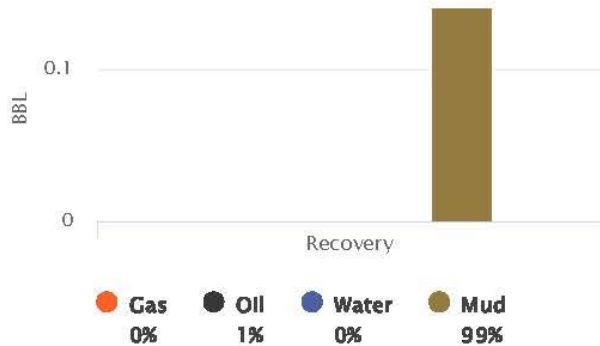
Recovered

| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|--------|----------------------|-------|-------|---------|-------|
| 10 | 0.1423 | SLOCM | 0 | 1 | 0 | 99 |

Total Recovered: 10 ft
 Total Barrels Recovered: 0.1423

Reversed Out
NO

Recovery at a glance



| | | |
|---|-----------|------------|
| Initial Hydrostatic Pressure | 1592 | PSI |
| Initial Flow | 9 to 10 | PSI |
| Initial Closed in Pressure | 83 | PSI |
| Final Flow Pressure | 11 to 13 | PSI |
| Final Closed in Pressure | 44 | PSI |
| Final Hydrostatic Pressure | 1586 | PSI |
| Temperature | 101 | °F |
| Pressure Change Initial Close / Final Close | 47.6 | % |

GIP cubic foot volume: 0

DST #2 ARBUCKLE 3408' - 3466'



Company: Jason Oil Company, LLC
Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 2014 EGL
 Field Name: Sweet SE
 Pool: Infield
 Job Number: 325

Operation:
 Uploading recovery & pressures

DATE
 April
08
 2019

DST #2 Formation: Arbuckle Test Interval: 3408 - 3466' Total Depth: 3466'
 Time On: 21:55 04/08 Time Off: 04:37 04/09
 Time On Bottom: 23:59 04/09 Time Off Bottom: 02:29 04/10

Electronic Volume Estimate:
 2'

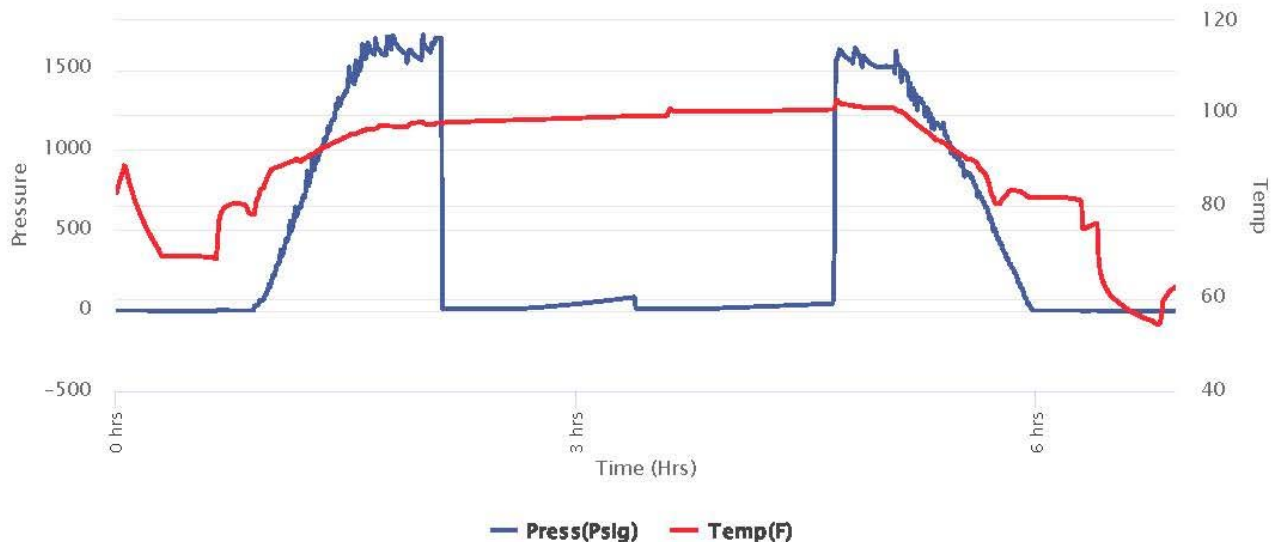
1st Open
 Minutes: 30
 Current Reading: .25" at 30 min
 Max Reading: .25"

1st Close
 Minutes: 45
 Current Reading: 0" at 45 min
 Max Reading: 0"

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

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

Inside Recorder



ROCK TYPES

 Lmst fw7>
  shale, gry
  Carbon Sh
  shale, red










ACCESSORIES

MINERAL

▣ Euhed rhombs of dol or c

OTHER SYMBOLS




MISC

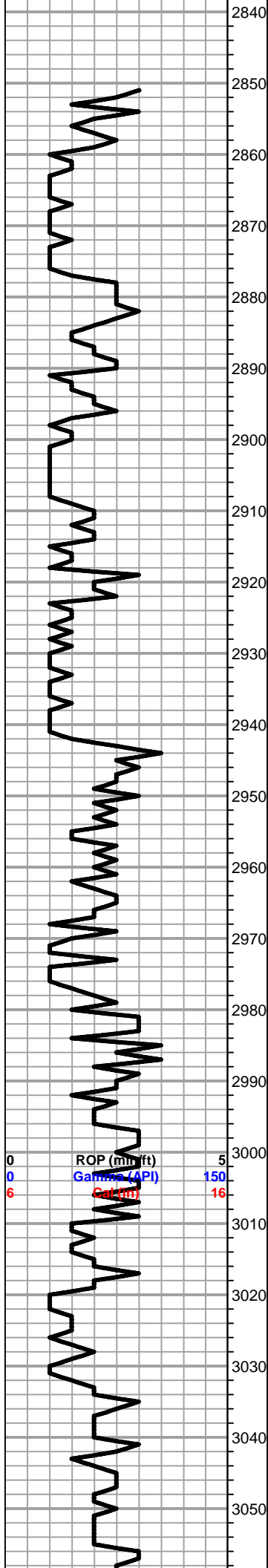
-  Daily Report
-  Digital Photo
-  Document
-  Folder
-  Link
-  Vertical Log File
-  Horizontal Log File
-  Core Log File
-  Drill Cuttings Rpt

DST

-  DST Int
-  DST alt

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

| Curve Track #1 | | Depth Intervals | DST | Lithology | Oil Show | Geological Descriptions | Curve Track #3 |
|----------------|---|-------------------|-----|-----------|----------|--|----------------|
| ROP (min/ft) |  | | | | | | |
| Gamma (API) |  | | | | | | |
| Cal (in) |  | | | | | | |
| 1:240 Imperial | | | | | | | 1:240 Imperial |
| 0 ROP (min/ft) | | 5 | | | | | |
| 0 Gamma (API) | | 150 | | | | | |
| 6 Cal (in) | | 16 | | | | | |
| | | 2810 | | | | | |
| | | 2820 | | | | | |
| | | 2830 | | | | | |
| | | | | | | <p><u>1' DRILL TIME THROUGH ANHYDRITE FROM 1400' - 1470'</u> <u>1' DRILL TIME FROM 2850' - RTD</u> <u>10' WET/DRY SAMPLES FROM 2900' - RTD</u></p> <p>GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 2850' - RTD</p> <p>8 5/8" SURFACE PIPE SET @ 241.05' SURVEY 3/4 deg.</p> <p>ANHYDRITE TOP 1413 (+609) E-LOG ANHYDRITE BASE 1447' (+575) E-LOG</p> | |



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

Sh- Maroon Gray, abundant argillaceous clumps, silty & soft

Sh- A/A w/ dove gray fn grn consolidated & well sorted Ss, light cemenatation, barren

Sh- Gray Maroon, abundant argillaceous clumps

Lm- Cream Off White, FXLN, fsl, massive, bioclastic, sctrd XLN porosity, barren

Lm- Buff, VF-FXLN, densely packed fsl, sl trashy, mostly tight w/ poor vis. porosity mostly

Lm- Cream Buff, VF-FXLN, some sl fsl, sl dolomitic, tight w/ min. vis. porosity, others pristine, clean & barren

Dolomite- Cream Off White, FXLN, massive, well to loosely cemented, dense XLN porosity

Lm- Buff Gray, FXLN, sl fsl, well cemented, sctrd XLN porosity, barren

Lm- Cream Off White, FXLN, mix of tight w/ min. vis. porosity & fsl w/ dense sctrd XLN porosity & sctrd clear replacement reXLN porosity, all barren

Lm- Cream Tan, FXLN, dense, well cemented, tight w/ min. vis. porosity, barren

Lm- A/A w/ abundant soft white chalk

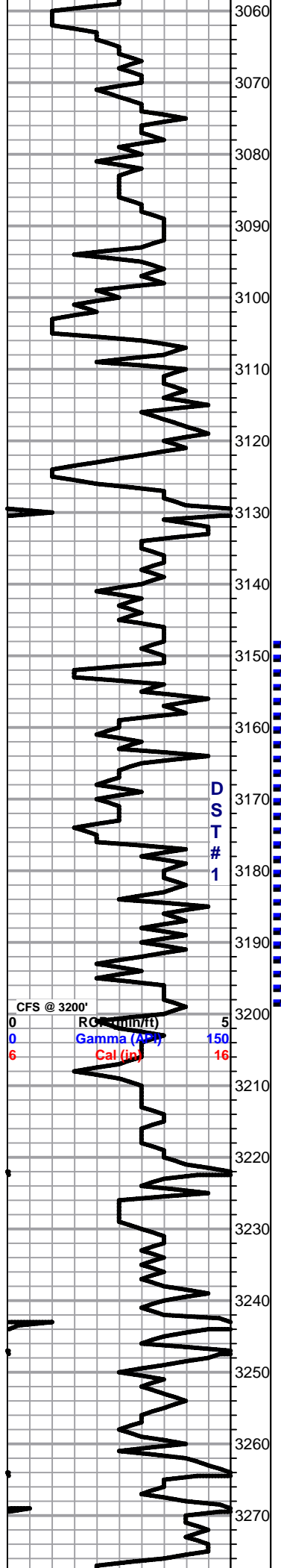
Lm- Cream Off White, FXLN, sl dolomitic Ls w/ dense XLN porosity, barren

Sh- Gray, soft & calcareous

Lm- Cream Off White, FXLN, fsl w/ crinoids, loosely cemented & granular, barren

Lm- A/A, mottled

Sh- Gray Maroon, argillaceous clumps



Lm- Cream Off White, VFXLN, dense, well cemented, tight w/ no vis. porosity, clean & barren

Lm- Cream Off White, FXLN, fsl, well cemented, sctrd XLN porosity, barren

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

● Lm- A/A w/ gray sl arenaceous Ls, granular, consistent intergranular porosity, 1 PCS W/ DRK SCTRDR STN, TR FO, NO ODR

Lm/Chert- Cream Off White White, mostly tight, few pcs sl dev. w/ sctrd XLN & fn ppt porosity, 2 PCS W/ SCTRDR DRK STN, NSFO, NO ODR, several pce of fresh bedded chert w/o vis. porosity

● Lm- Crea Off White, FXLN, fsl & oolitic, sctrd dev. w/ fn ppt inter oolite porosity, SCTRDR DRK STN, TR FO, NO ODR

Lm- Cream Off White, VFXLN, dense, well cemented & tight w/ poor vis. porosity, few pcs of chert

A/A w/ some mottling

HEEBNER 3151' (-1129) E-LOG Sh- Black Gray Maroon, fissile & carbonaceous, gritty & earthy

Sh- Green Maroon, abundant argillaceous clumps

● **TORONTO 3176' (-1154) E-LOG** Lm- Cream Off White, FXLN, fsl & oolitic, sctrd fn inter oolite ppt & sctrd XLN porosity, LT SCTRDR STN, NO SFO, WK ODR

Lm- Off White Mint Green, FXLN, dense, well cemented & tight w/ poor vis. porosity

● **LKC 3195' (-1173) E-LOG** Lm- Cream Off White, mix of tight & poorly dev w/ min. vis. porosity & mod dev. oolitic w/ mostly consistent ppt inter oolite porosity, SCTRDR LT STN, NO SFO, TR ODR

Dol/Chert- Tan Cream, FXLN, dense, well cemented, gritty, consistent micro XLN porosity, equal parts fresh bedded chert

Sh- Maroon Gray, gritty & earthy, argillaceous clumps

● Lm- Cream Off White, FXLN, fsl & oolitic, mod. dev w/ sctrd fn ppt inter oolite porosity, several pcs of FXLN tan dolomitic Ls w/ mostly consistent micro XLN porosity, ALL W/ LT SCTRDR STN, NSFO, WK ODR

● Lm- Cream Off White, FXLN, oolitic & fsl w/ sctrd to dense ppt inter oolite porosity, well dev. LT SCTRDR STN, NSFO, FR ODR

Lm- Cream Buff, FXLN, dense, well cemented, mostly tight w/ poor vis. porosity, barren

Sh- Gray Maroon, abundant gummy clumps

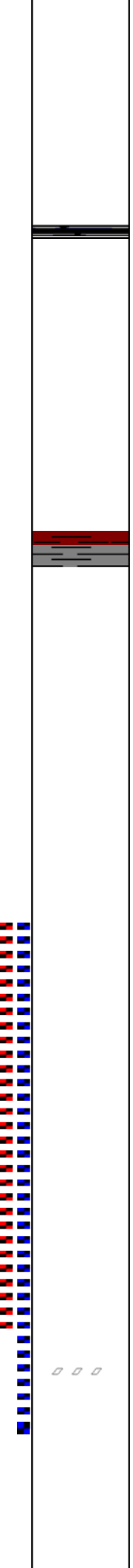
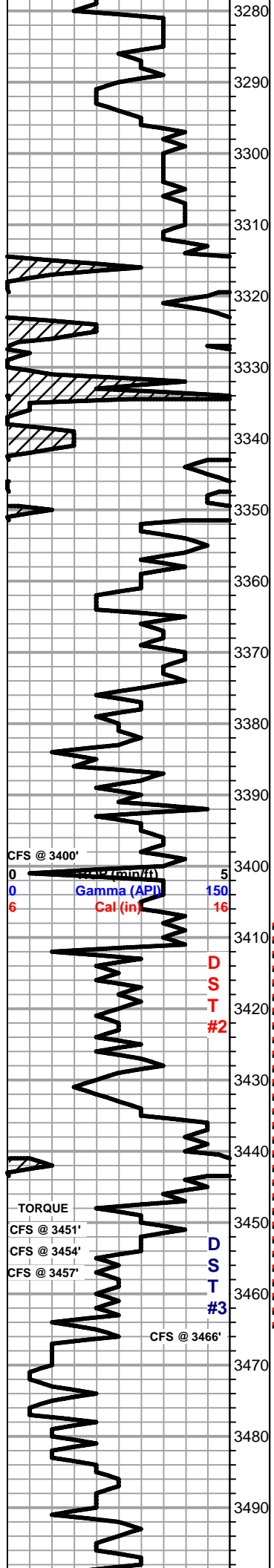
● Lm- Cream Tan. mix of sl fsl w/ sctrd ppt & XLN interoolite porosity & dense, well

SHORT TRIP SURVEY

DST #1
TORONTO-LKC
A
3148' - 3200'
30-45-30-45

126' GIP
108' TOTAL FLUID
15' OIL Gr: 35.8
30' MCO
(80% O, 20% M)
63' HMCO
(50% O, 50% M)

IIFP: 10-35#
FFP: 36-55#
SIP: 1004-987#



cemented w/ sctrd ppt porosity, ALL W/ LT STN, NSFO, FR ODR

Lm- Cream Off White, FXLN, dense, well cemented, mostly tight w/ poor vis. porosity, clean & barren

Lm- Cream Off White, FXLN, dense, A/A w/ few pcs of tight clean sl fsl cherty Ls, all clean & barren

Sh- Black Gray, fissile & carbonaceous, gritty

Lm- Cream Off White, FXLN, fsl & oolitic, mod. dev. w/ sctrd ppt interoolite & XLN porosity, SCTRD DRK STN, NSFO, OILY SHEEN, FR ODR

Lm- Gray, FXLN, trashy w/ fsl fragments, sctrd XLN porosity

Lm- Cream Off White Tan, FXLN, well cemented, mod. dev. w/ consistent fn ppt porosity, LT STN, NSFO, TR ODR

Sh- Gray, abundant argillaceous clumps

Lm- Cream Off White, FXLN, fsl & oolitic, sctrd fn ppt inter oolite porosity, LT SCTRD STN, NSFO, WK ODR

Lm- Cream Off White, VF-FXLN, dense, well cemented, few sl chalky in part, clean & barren

Sh- Black Gray, fissile & carbonaceous, argillaceous clumps

Lm- Cream Tan, FXLN, granular, well dev. w/ consistent fn ppt porosity, SAT DRK STN, FR SFO, FR ODR, sl fsl, well dev. sctrd fn ppt inter fsl & XLN porosity, LT SCTRD STN, NSFO, ODR A/A

Sh- Black Gray, fissile & carbonaceous, some gummy clumps

Lm- Cream Off White, FXLN, well cemented, fsl w/ some sctrd clear replacement cementation, sctrd XLN porosity, barren

BKC 3411' (-1389) E-LOG Sh- Maroon Gray, gritty & earthy, gummy wash & clumps

Conglomerate- Maroon Cream, mix of arenaceous Ls/Ss & limey dolomite, barren

A/A w/ Off White & White conglomerate

Sh- Gray Maroon, gritty & earthy, many gummy clumps

Dol- Cream Lt Maroon, Few pcs of tight conglomerate dolomite

ARBUCKLE 3452' (-1430) E-LOG

3454' - Dol- A/A, several pcs of Tan cherty Dol & white dol w/ rounded med grn qtz & glauconite inclusions

3457' - Dol- Off White Cream, mix of limey dolomite w/ sctrd small vugs, SCTRD DRK STN, TR FO, NO ODR, & loosely & well cemented Dolomite, few pcs sub-sucrosic, consistent XLN porosity throughout, mostly barren, FEW PCS W/ TR STN, NSFO, NODR

3466' - Dolomite- Off White Cream, mix of friable, nearly sucrosic/sandy dolomite, DRK STN, OILY SHEEN, TR FO, TR ODR, & well dev. sucrosic FXLN dolomite w/ sctrd fn ppt & XLN porosity, SCTRD DRK STN, OILY SHEEN, TR FR O, TR ODR

3470' - Dol- White Off White, F-MXLN, sucrosic, mod. dev. massice, euhedral rhombs, sctrd fn ppt inter XLN porosity, SCTRD DRK STN, TR FO, WK ODR

3485' - Dol- Off White, FXLN, dense, well cemented, sctrd XLN porosity, few pcs w/ DRK SCTRD STN, NSFO, ODR A/A

3690' - Dol- White Cream, FXLN, sctrd XLN porosity, poorly dev. FEW PCS W/ BLK TARRY STN, NSFO, FR ODR

3600' - Dol- White Lt Pink, VF-FXLN, tight, sctrd micro XLN porosity, clean & barren

DST #2
ARBUCKLE
 3408' - 3466'
 30-45-30-45

10' SLOCM
 (1% O, 99% M)

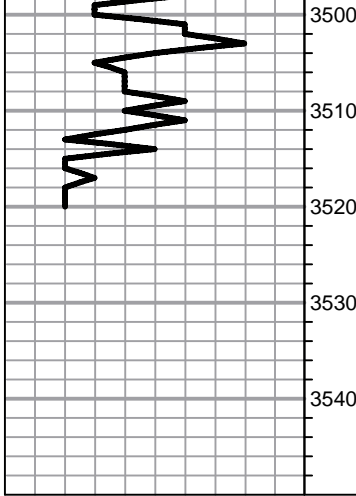
IFP: 9-10#
 FFP: 11-13#
 SIP: 88-44#
 BHT: 101 deg

DST #3
ARBUCKLE
 (STRADDLE)
 3409' - 3480'
 30-45-30-45

101' GIP
 305' TOTAL FLUID
 53' OIL Gr: 29.3
 25' HMCO
 (60% O, 40% M)
 63' SLWCHOCM
 (45% O, 5% W, 50% M)
 63' WCOCM
 (20% O, 20% W, 60% M)

IFP: 14-78#
 FFP: 81-128#
 SIP: 672-653#
 BHT: 104 deg

RTD 3500' LTD 3500' THEN DRILL 30'



Dol- White Off White, F-MXLN, well cemented & poorly developed w/ sctrd XLN porosity, few pcs w/ white siliceous cementation, barren

Dol- White Semi-Translucent, FXLN, dense, well cemented, tight w/ poor vis. porosity, few pcs sl cherty, several pcs w/ clear rounded qtz. inclusions, barren

RTD 3530' (-1478) LTD 3500' (-1478) @ 08:44 4/9/2019

- DST #3.jpg
- DST #3_1.jpg
- DST #3_2.jpg

DST #3.jpg



Company: Jason Oil Company, LLC
Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 2014 EGL
 Field Name: Sweet SE
 Pool: Infield
 Job Number: 325

Operation:
 Uploading recovery & pressures

DATE
 April
09
 2019

DST #3 Formation: Arbuckle Test Interval: 3409 - 3480' Total Depth: 3500'

Time On: 15:47 04/09 Time Off: 22:00 04/09
 Time On Bottom: 17:19 04/09 Time Off Bottom: 19:49 04/09

Recovered

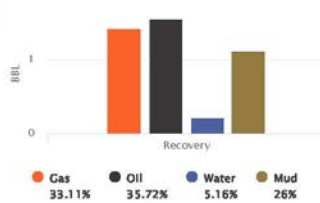
| Foot | BBLS | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 101 | 1.43723 | G | 100 | 0 | 0 | 0 |
| 53 | 0.75419 | O | 0 | 100 | 0 | 0 |
| 25 | 0.35575 | HMCO | 0 | 60 | 0 | 40 |
| 63 | 0.89649 | SLWCHOCM | 0 | 45 | 5 | 50 |
| 63 | 0.89649 | WCOCM | 0 | 20 | 20 | 60 |

Total Recovered: 305 ft
 Total Barrels Recovered: 4.34015

Reversed Out
 NO

| | | |
|---|-----------|-----|
| Initial Hydrostatic Pressure | 1590 | PSI |
| Initial Flow | 14 to 78 | PSI |
| Initial Closed in Pressure | 672 | PSI |
| Final Flow Pressure | 81 to 128 | PSI |
| Final Closed in Pressure | 653 | PSI |
| Final Hydrostatic Pressure | 1586 | PSI |
| Temperature | 104 | °F |
| Pressure Change Initial Close / Final Close | 2.9 | % |

Recovery at a glance



GIP cubic foot volume: 8.06933

DST #3_1.jpg



Company: Jason Oil Company, LLC
Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 2014 EGL
 Field Name: Sweet SE
 Pool: Infield
 Job Number: 325

Operation:
 Uploading recovery & pressures

DATE
 April
09
 2019

DST #3 Formation: Arbuckle Test Interval: 3409 - 3480' Total Depth: 3500'

Time On: 15:47 04/09 Time Off: 22:00 04/09
 Time On Bottom: 17:19 04/09 Time Off Bottom: 19:49 04/09

Electronic Volume Estimate: 328'

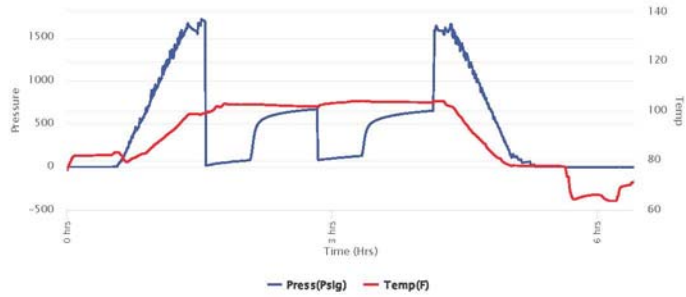
1st Open
 Minutes: 30
 Current Reading: 17.9" at 30 min
 Max Reading: 17.9"

1st Close
 Minutes: 45
 Current Reading: 0" at 45 min
 Max Reading: 0"

2nd Open
 Minutes: 30
 Current Reading: 18.5" at 30 min
 Max Reading: 18.5"

2nd Close
 Minutes: 45
 Current Reading: 1.1" at 45 min
 Max Reading: 1.1"

Inside Recorder



DST #3_2.jpg



Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery & pressures

DATE
April
09
2019

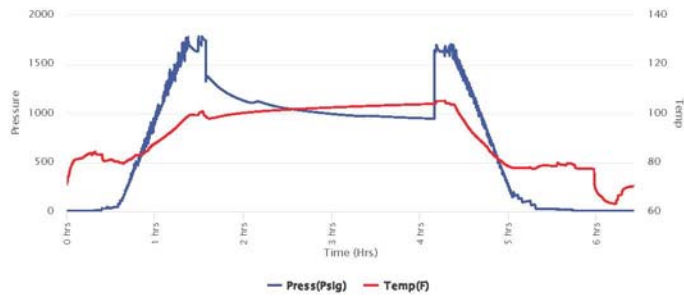
DST #3 Formation: Arbuckle Test Interval: 3409 - 3480' Total Depth: 3500'

Time On: 15:47 04/09 Time Off: 22:00 04/09
Time On Bottom: 17:19 04/09 Time Off Bottom: 19:49 04/09

BUCKET MEASUREMENT:
1st Open: 1/2" Bob in 16 min
1st Close: Nobb
2nd Open: 1/4" bob in 18 min
2nd Close: Built to 1"

REMARKS:
Tool Sample: 0% Gas 40% Oil 25% Water 35% Mud
Gravity: 29.3 @ 60 °F
Ph: 7
Measured RW: .6 @ 69 degrees °F
RW at Formation Temp: 0.41 @ 104 °F
Chlorides: 5300 ppm

Below Straddle Recorder





Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery & pressures

DATE
April
07
2019

DST #1 **Formation: Toronto** **Test Interval: 3148 - 3200'** **Total Depth: 3200'**
Time On: 12:29 04/07 Time Off: 19:10 04/07
Time On Bottom: 14:49 04/07 Time Off Bottom: 17:19 04/07

Electronic Volume Estimate:
291'

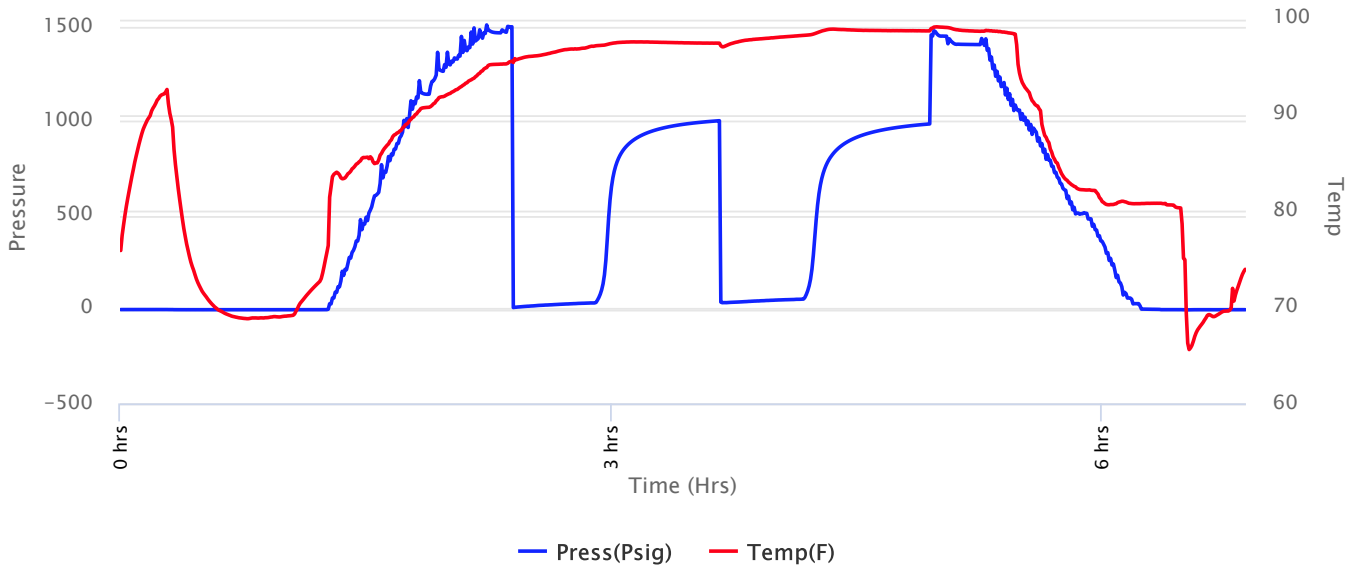
1st Open
Minutes: 30
Current Reading:
16.7" at 30 min
Max Reading: 16.7"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
19.2" at 30 min
Max Reading: 19.2"

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

Inside Recorder





Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 2014 EGL
 Field Name: Sweet SE
 Pool: Infield
 Job Number: 325

Operation:
 Uploading recovery & pressures

DATE
 April
07
 2019

DST #1 **Formation: Toronto** **Test Interval: 3148 - 3200'** **Total Depth: 3200'**
 Time On: 12:29 04/07 Time Off: 19:10 04/07
 Time On Bottom: 14:49 04/07 Time Off Bottom: 17:19 04/07

Recovered

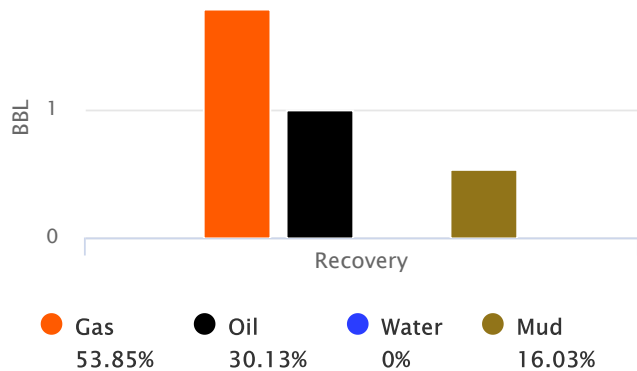
| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 126 | 1.79298 | G | 100 | 0 | 0 | 0 |
| 15 | 0.21345 | O | 0 | 100 | 0 | 0 |
| 30 | 0.4269 | MCO | 0 | 80 | 0 | 20 |
| 63 | 0.89649 | HMCO | 0 | 50 | 0 | 50 |

Total Recovered: 234 ft
 Total Barrels Recovered: 3.32982

Reversed Out
NO

| | | |
|---|-------------|------------|
| Initial Hydrostatic Pressure | 1472 | PSI |
| Initial Flow | 10 to 35 | PSI |
| Initial Closed in Pressure | 1004 | PSI |
| Final Flow Pressure | 36 to 55 | PSI |
| Final Closed in Pressure | 987 | PSI |
| Final Hydrostatic Pressure | 1460 | PSI |
| Temperature | 99 | °F |
| Pressure Change Initial Close / Final Close | 1.7 | % |

Recovery at a glance



GIP cubic foot volume: 10.06669



**Company: Jason Oil Company,
LLC**

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:

Uploading recovery &
pressures

DATE

April
07
2019

DST #1 Formation: Toronto Test Interval: 3148 - Total Depth: 3200'
3200'
Time On: 12:29 04/07 Time Off: 19:10 04/07
Time On Bottom: 14:49 04/07 Time Off Bottom: 17:19 04/07

BUCKET MEASUREMENT:

1st Open: 1/4" Bob in 21 min
1st Close: Nobb
2nd Open: 1/4" Bob in 16 min
2nd Close: Nobb

REMARKS:

Tool Sample: 0% Gas 100% Oil 0% Water 0% Mud

Gravity: 35.8 @ 60 °F



Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery & pressures

DATE
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2019

DST #1 **Formation: Toronto** **Test Interval: 3148 - 3200'** **Total Depth: 3200'**
Time On: 12:29 04/07 Time Off: 19:10 04/07
Time On Bottom: 14:49 04/07 Time Off Bottom: 17:19 04/07

Down Hole Makeup

| | |
|--|---------------------------------|
| Heads Up: 17.38 FT | Packer 1: 3143 FT |
| Drill Pipe: 3140.22 FT <i>ID-3 1/2</i> | Packer 2: 3148 FT |
| Weight Pipe: FT <i>ID-2 7/8</i> | Top Recorder: 3135 FT |
| Collars: FT <i>ID-2 1/4</i> | Bottom Recorder: 3185 FT |
| Test Tool: 26.16 FT <i>ID-3 1/2-FH</i> | Well Bore Size: 7 7/8 |
| Total Anchor: 52 | Surface Choke: 1" |
| | Bottom Choke: 5/8" |

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: .5 FT

Drill Pipe: (in anchor): 32 FT
ID-3 1/2

Change Over: .5 FT

Perforations: (below): 16 FT
4 1/2-FH



Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:

Uploading recovery & pressures

DATE

April
07
2019

DST #1 **Formation: Toronto** **Test Interval: 3148 - 3200'** **Total Depth: 3200'**
Time On: 12:29 04/07 Time Off: 19:10 04/07
Time On Bottom: 14:49 04/07 Time Off Bottom: 17:19 04/07

Mud Properties

Mud Type: Chemical

Weight: 8.8

Viscosity: 52

Filtrate: Na

Chlorides: Na ppm



Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery & pressures

DATE
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DST #2 **Formation: Arbuckle** **Test Interval: 3408 - 3466'** **Total Depth: 3466'**
Time On: 21:55 04/08 Time Off: 04:37 04/09
Time On Bottom: 23:59 04/09 Time Off Bottom: 02:29 04/10

Electronic Volume Estimate:
2'

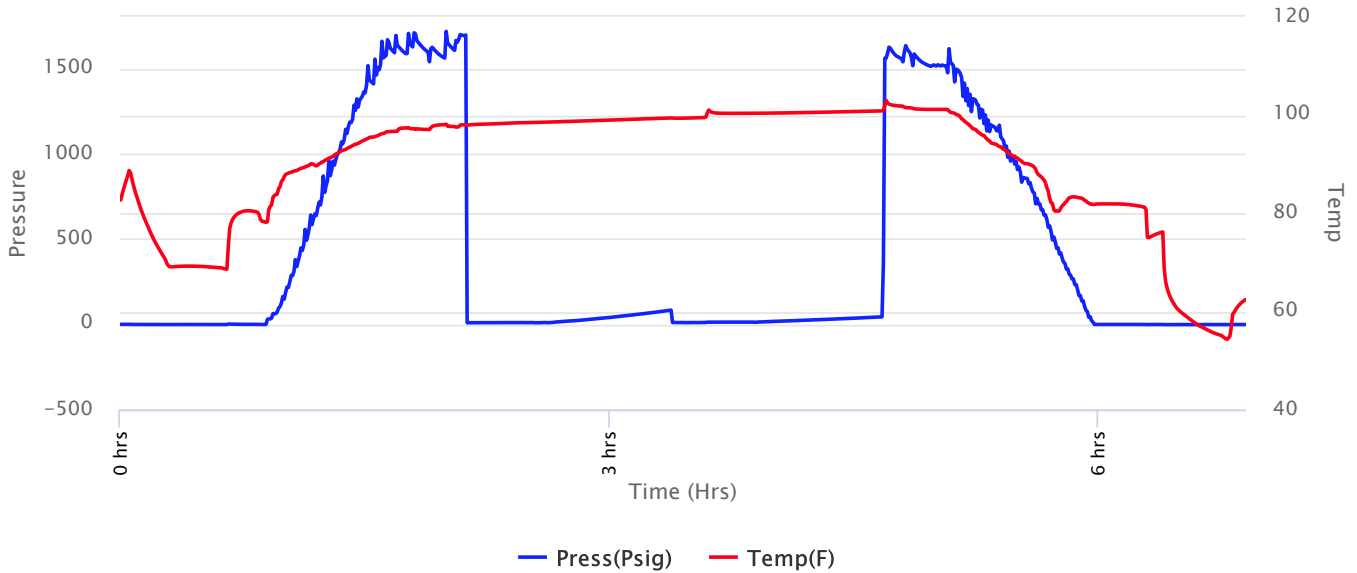
1st Open
Minutes: 30
Current Reading: .25" at 30 min
Max Reading: .25"

1st Close
Minutes: 45
Current Reading: 0" at 45 min
Max Reading: 0"

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

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

Inside Recorder





Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 2014 EGL
 Field Name: Sweet SE
 Pool: Infield
 Job Number: 325

Operation:
 Uploading recovery & pressures

DATE
 April
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DST #2 **Formation: Arbuckle** **Test Interval: 3408 - 3466'** **Total Depth: 3466'**
 Time On: 21:55 04/08 Time Off: 04:37 04/09
 Time On Bottom: 23:59 04/09 Time Off Bottom: 02:29 04/10

Recovered

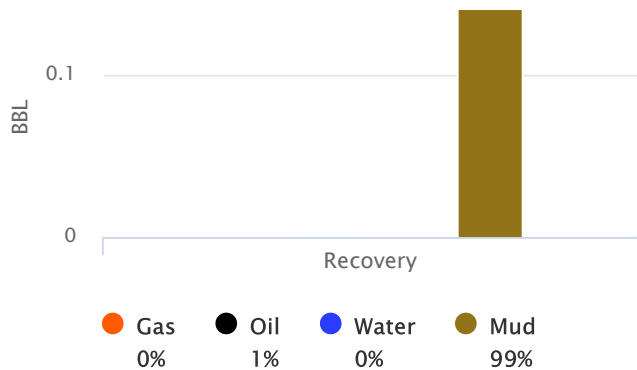
| <u>Foot</u> | <u>BBLs</u> | <u>Description of Fluid</u> | <u>Gas %</u> | <u>Oil %</u> | <u>Water %</u> | <u>Mud %</u> |
|-------------|-------------|-----------------------------|--------------|--------------|----------------|--------------|
| 10 | 0.1423 | SLOCM | 0 | 1 | 0 | 99 |

Total Recovered: 10 ft
 Total Barrels Recovered: 0.1423

**Reversed Out
 NO**

| | | |
|---|-----------|------------|
| Initial Hydrostatic Pressure | 1592 | PSI |
| Initial Flow | 9 to 10 | PSI |
| Initial Closed in Pressure | 83 | PSI |
| Final Flow Pressure | 11 to 13 | PSI |
| Final Closed in Pressure | 44 | PSI |
| Final Hydrostatic Pressure | 1586 | PSI |
| Temperature | 101 | °F |
| Pressure Change Initial Close / Final Close | 47.6 | % |

Recovery at a glance



GIP cubic foot volume: 0



**Company: Jason Oil Company,
LLC**

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery &
pressures

DATE
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DST #2 Formation: Arbuckle Test Interval: 3408 - Total Depth: 3466'
3466'

Time On: 21:55 04/08 Time Off: 04:37 04/09
Time On Bottom: 23:59 04/09 Time Off Bottom: 02:29 04/10

BUCKET MEASUREMENT:

1st Open: Wsb built to 1/4"
1st Close: Nobb
2nd Open: No blow no build
2nd Close: Nobb

REMARKS:

Flush tool in 2nd open.

Tool Sample: 0% Gas 1% Oil 0% Water 99% Mud



Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery & pressures

DATE
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DST #2 **Formation: Arbuckle** **Test Interval: 3408 - 3466'** **Total Depth: 3466'**
Time On: 21:55 04/08 Time Off: 04:37 04/09
Time On Bottom: 23:59 04/09 Time Off Bottom: 02:29 04/10

Down Hole Makeup

| | |
|--|---------------------------------|
| Heads Up: 10.97 FT | Packer 1: 3403 FT |
| Drill Pipe: 3393.81 FT <i>ID-3 1/2</i> | Packer 2: 3408 FT |
| Weight Pipe: FT <i>ID-2 7/8</i> | Top Recorder: 3395 FT |
| Collars: FT <i>ID-2 1/4</i> | Bottom Recorder: 3445 FT |
| Test Tool: 26.16 FT <i>ID-3 1/2-FH</i> | Well Bore Size: 7 7/8 |
| Total Anchor: 58 | Surface Choke: 1" |
| | Bottom Choke: 5/8" |

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: .5 FT

Drill Pipe: (in anchor): 32 FT
ID-3 1/2

Change Over: .5 FT

Perforations: (below): 22 FT
4 1/2-FH



**Company: Jason Oil Company,
LLC**

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:

Uploading recovery &
pressures

DATE

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DST #2 Formation: Arbuckle Test Interval: 3408 - Total Depth: 3466'
3466'

Time On: 21:55 04/08

Time Off: 04:37 04/09

Time On Bottom: 23:59 04/09

Time Off Bottom: 02:29 04/10

Mud Properties

Mud Type: Chemical

Weight: 9

Viscosity: 64

Filtrate: 8

Chlorides: 2000 ppm



Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery & pressures

DATE
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DST #3 **Formation: Arbuckle** **Test Interval: 3409 - 3480'** **Total Depth: 3500'**
Time On: 15:47 04/09 Time Off: 22:00 04/09
Time On Bottom: 17:19 04/09 Time Off Bottom: 19:49 04/09

Electronic Volume Estimate:
328'

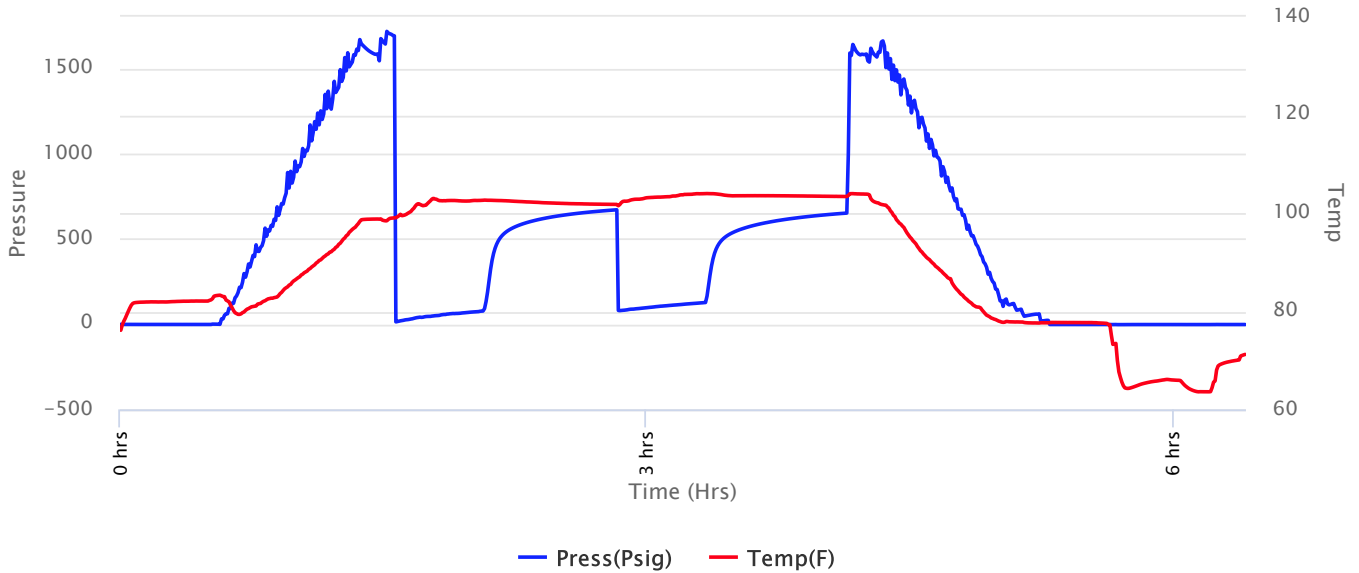
1st Open
Minutes: 30
Current Reading:
17.9" at 30 min
Max Reading: 17.9"

1st Close
Minutes: 45
Current Reading:
0" at 45 min
Max Reading: 0"

2nd Open
Minutes: 30
Current Reading:
18.5" at 30 min
Max Reading: 18.5"

2nd Close
Minutes: 45
Current Reading:
1.1" at 45 min
Max Reading: 1.1"

Inside Recorder





Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
 County: ROOKS
 State: Kansas
 Drilling Contractor: Southwind Drilling, Inc - Rig 1
 Elevation: 2014 EGL
 Field Name: Sweet SE
 Pool: Infield
 Job Number: 325

Operation:

Uploading recovery & pressures

DATE

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 2019

DST #3 Formation: Arbuckle Test Interval: 3409 - 3480' Total Depth: 3500'

Time On: 15:47 04/09 Time Off: 22:00 04/09
 Time On Bottom: 17:19 04/09 Time Off Bottom: 19:49 04/09

Recovered

| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|---------|----------------------|-------|-------|---------|-------|
| 101 | 1.43723 | G | 100 | 0 | 0 | 0 |
| 53 | 0.75419 | O | 0 | 100 | 0 | 0 |
| 25 | 0.35575 | HMCO | 0 | 60 | 0 | 40 |
| 63 | 0.89649 | SLWCHOCM | 0 | 45 | 5 | 50 |
| 63 | 0.89649 | WCOCM | 0 | 20 | 20 | 60 |

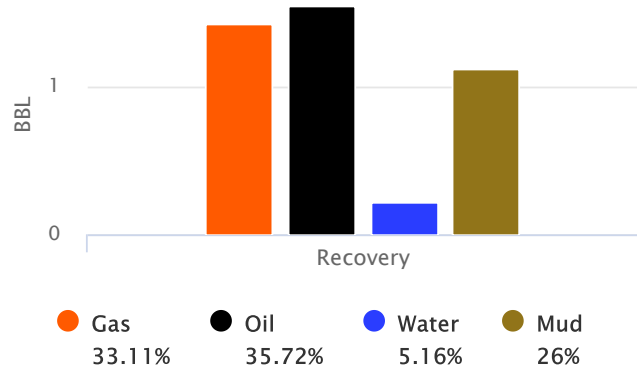
Total Recovered: 305 ft

Total Barrels Recovered: 4.34015

Reversed Out
 NO

| | | |
|---|------------|------------|
| Initial Hydrostatic Pressure | 1590 | PSI |
| Initial Flow | 14 to 78 | PSI |
| Initial Closed in Pressure | 672 | PSI |
| Final Flow Pressure | 81 to 128 | PSI |
| Final Closed in Pressure | 653 | PSI |
| Final Hydrostatic Pressure | 1586 | PSI |
| Temperature | 104 | °F |
| Pressure Change Initial Close / Final Close | 2.9 | % |

Recovery at a glance



GIP cubic foot volume: 8.06933



Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery & pressures

DATE
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2019

DST #3 **Formation: Arbuckle** **Test Interval: 3409 - 3480'** **Total Depth: 3500'**
Time On: 15:47 04/09 Time Off: 22:00 04/09
Time On Bottom: 17:19 04/09 Time Off Bottom: 19:49 04/09

BUCKET MEASUREMENT:

1st Open: 1/2" Bob in 16 min
1st Close: Nobb
2nd Open: 1/4" bob in 18 min
2nd Close: Built to 1"

REMARKS:

Tool Sample: 0% Gas 40% Oil 25% Water 35% Mud

Gravity: 29.3 @ 60 °F

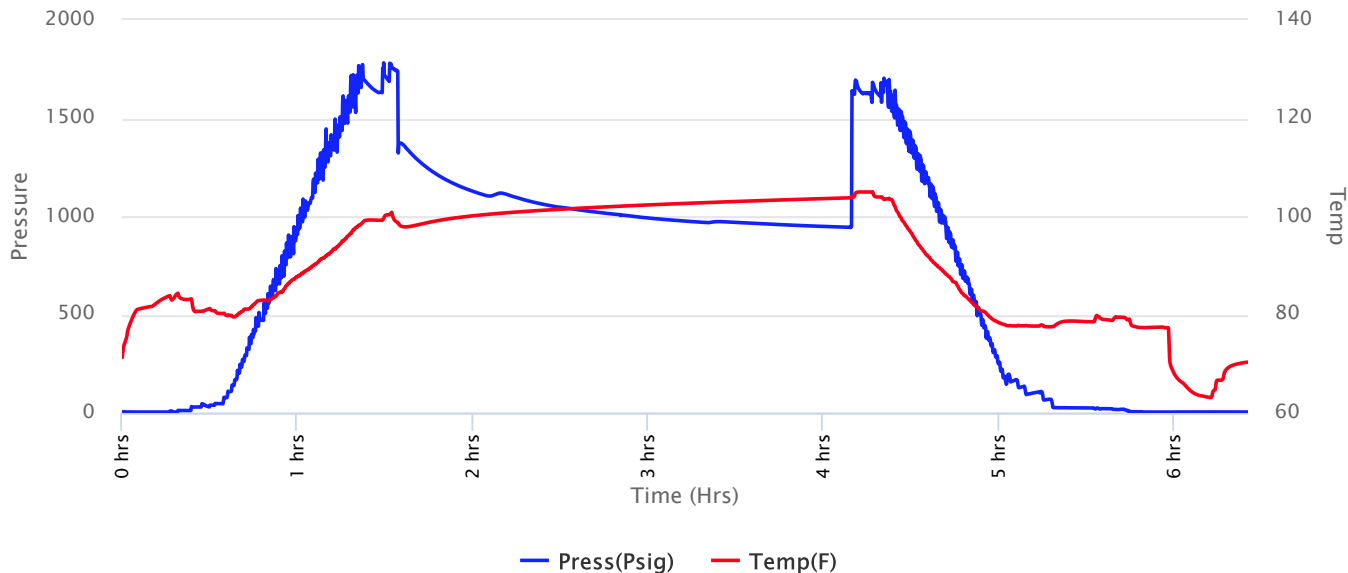
Ph: 7

Measured RW: .6 @ 69 degrees °F

RW at Formation Temp: 0.41 @ 104 °F

Chlorides: 5300 ppm

Below Straddle Recorder





Company: Jason Oil Company, LLC

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling, Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:
Uploading recovery & pressures

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DST #3 **Formation: Arbuckle** **Test Interval: 3409 - 3480'** **Total Depth: 3500'**
Time On: 15:47 04/09 Time Off: 22:00 04/09
Time On Bottom: 17:19 04/09 Time Off Bottom: 19:49 04/09

Down Hole Makeup

| | |
|--|---|
| Heads Up: 10.12 FT | Packer 1: 3404 FT |
| Drill Pipe: 3393.96 FT <i>ID-3 1/2</i> | Packer 2: 3409 FT |
| Weight Pipe: FT <i>ID-2 7/8</i> | Packer 3: 3480 FT |
| Collars: FT <i>ID-2 1/4</i> | Top Recorder: 3396 FT |
| Test Tool: 26.16 FT <i>ID-3 1/2-FH</i> | Bottom Recorder: 3447 FT |
| Total Anchor: 71 | Below Straddle Recorder: 3482 FT |
| | Well Bore Size: 7 7/8 |
| | Surface Choke: 1" |
| | Bottom Choke: 5/8" |

Anchor Makeup

Packer Sub: 1 FT

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

Change Over: 1 FT

Drill Pipe: (in anchor): 32 FT
ID-3 1/2

Change Over: 1 FT

Perforations: (below): 34 FT
4 1/2-FH

STRADDLE

Straddle Packer(s): 1 FT

Change Over: FT

Drill Pipe: FT
ID-3 1/2"

Change Over: FT

Perforations (in tail pipe): 19 FT
4 1/2-FH



**Company: Jason Oil Company,
LLC**

Lease: Pittman-Carsten #1

SEC: 20 TWN: 8S RNG: 18W
County: ROOKS
State: Kansas
Drilling Contractor: Southwind Drilling,
Inc - Rig 1
Elevation: 2014 EGL
Field Name: Sweet SE
Pool: Infield
Job Number: 325

Operation:

Uploading recovery &
pressures

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DST #3 Formation: Arbuckle Test Interval: 3409 - Total Depth: 3500'
3480'

Time On: 15:47 04/09

Time Off: 22:00 04/09

Time On Bottom: 17:19 04/09

Time Off Bottom: 19:49 04/09

Mud Properties

Mud Type:

Weight:

Viscosity:

Filtrate:

Chlorides: ppm