

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

| | |
|-----------|-------------------------------|
| Form | ACO1 - Well Completion |
| Operator | Stelbar Oil Corporation, Inc. |
| Well Name | CHRISTY UNIT 1-19 |
| Doc ID | 1336686 |

All Electric Logs Run

| |
|--|
| |
| Array Induction Shallow Focused Electric Log |
| Comp. Sonic w/Integrated Transit Time |
| Microresistivity Log |
| Caliper Log |
| Compact Photo Comp. Neutron Microresistivity Log |

| | |
|-----------|-------------------------------|
| Form | ACO1 - Well Completion |
| Operator | Stelbar Oil Corporation, Inc. |
| Well Name | CHRISTY UNIT 1-19 |
| Doc ID | 1336686 |

Tops

| Name | Top | Datum |
|-------------|------|-------|
| B/Anhydrite | 2342 | +647 |
| Heebner | 3926 | -937 |
| Lansing | 3970 | -981 |
| Mun Cr Sh | 4148 | -1159 |
| Stark Sh | 4242 | -1253 |
| Hush Sh | 4284 | -1295 |
| Marm 'C' | 4398 | -1409 |
| Pawnee | 4451 | -1462 |
| Cher Sh | 4498 | -1509 |
| John Zone | 4560 | -1571 |
| Mw Sh | 4618 | -1629 |
| Miss | 4640 | -1651 |

| | |
|-----------|-------------------------------|
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| Operator | Stelbar Oil Corporation, Inc. |
| Well Name | CHRISTY UNIT 1-19 |
| Doc ID | 1336686 |

Perforations

| Shots Per Foot | Perforation Record | Material Record | Depth |
|----------------|--------------------|--------------------|-----------|
| 4 | 4398-4402 | 1000 gals 15% NEFE | 4398-4402 |

GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Christy Unit #1-19
Location: Section 19 - T17S - R32W
License Number: API: 15-171-21186
Spud Date: 11 / 04 / 2016
Surface Coordinates: 331' FNL and 44' FEL
SE - NE - NE - NE
Region: Scott Co., KS
Drilling Completed: 11 / 10 / 2016
Bottom Hole Coordinates:
Ground Elevation (ft): 2978' K.B. Elevation (ft): 2989'
Logged Interval (ft): 3700' To: 4725' Total Depth (ft): 4725'
Formation: Mississippian - St Louis
Type of Drilling Fluid: Chemical - Mud-Co

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

OPERATOR

Company: Stelbar Oil Corporation
Address: 1625 N. Waterfront Pkwy., Suite 200
Wichita, Kansas 67206-6602

GEOLOGIST

Name: David J. Goldak
Company: D. J. GOLDAK, INC.
Address: 12427 W Ridgepoint Cir
Wichita, Kansas 67235

General Info

CONTRACTOR: Murfin Drilling, Rig #21

BIT RECORD:

| No. | Size | Make | Jets | Out | Feet | Hours |
|-----|--------|-------------|----------|------|------|-------|
| 1 | 12-1/4 | HTC-VM1 | 3-15s | 308 | 308 | 2.00 |
| 2 | 7-7/8 | Smith-DP506 | 18-16-16 | 4725 | 4417 | 79.75 |

SURVEYS: 308'-0.50, 1317'-0.50, 2112'-0.50, 3256'-1.00,
3761'-1.25, 4044'-0.75, 4416'-0.50, 4725'-0.75

GENERAL DRILLING & PUMP INFORMATION:

Drilling with 19 collars (6.25" x 2.25"): 578.02'
Drilling with 10,000-14,000 lbs on bit and 90-95 RPM.
Pumping 60 S/M; 8.8 B/M; 850-950 psi at standpipe.

Daily Status

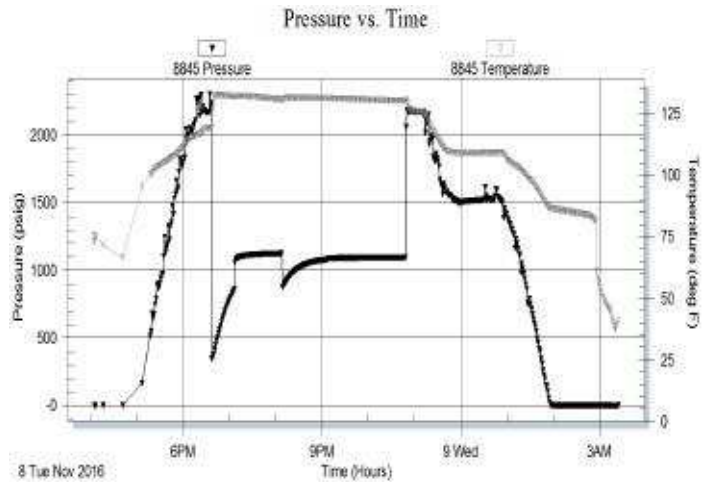
11/04/15 - Spud at 5:00 PM; Set 8-5/8" csg at 308'
 11/05/15 - 347' Drilling; DP at 6:30 AM
 11/06/15 - 2,332' Drilling; Displace mud @ 3,500'
 11/07/15 - 3,761' Drilling
 11/08/16 - 4,325' Wiper trip; DST #1 @ 4,416'
 11/09/16 - 4,416' CTCH
 11/10/16 - 4,725' Logging

DST #1: 4,388' - 4,416' (Marmaton)
 30" - 60" - 60" - 90"

IF: Blow to BOB in 40 seconds
ISI: Blow back to BOB in 10 minutes
FF: Blow to BOB in 1 minute
FSI: Blow back to BOB in 15 min; GTS

RECOVERY: 2,780' Total Fluid, consisting of:
 2,660' GO (35% G, 65% O); Gravity: 30 API
 120' GOCM (30% G, 30% O, 40% M)
Sampler: 6 cu ft Gas & 1,800 ml Oil @ 450 psi

SIP: 1124-1094; FP: 348-863, 878-1079; HP: 2240-2189;
BHT: 130



ROCK TYPES

| | |
|--|-------|
| | Anhy |
| | Bent |
| | Brec |
| | Cht |
| | Clyst |
| | Coal |
| | Congl |
| | Dol |

| | |
|--|-------|
| | Gyp |
| | Igne |
| | Lmst |
| | Meta |
| | Mrlst |
| | Salt |
| | Shale |
| | Shcol |

| | |
|--|---------|
| | Shgy |
| | Sltst |
| | Ss |
| | Till |
| | Carb sh |
| | Dol |
| | Dtd |
| | Gry sh |

| | |
|--|----------|
| | Sandylms |
| | Shale |
| | Sltstn |
| | Shlyslts |
| | Sltyslts |
| | Lms |

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr



- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Silty

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram



- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh



- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

INTERVALS

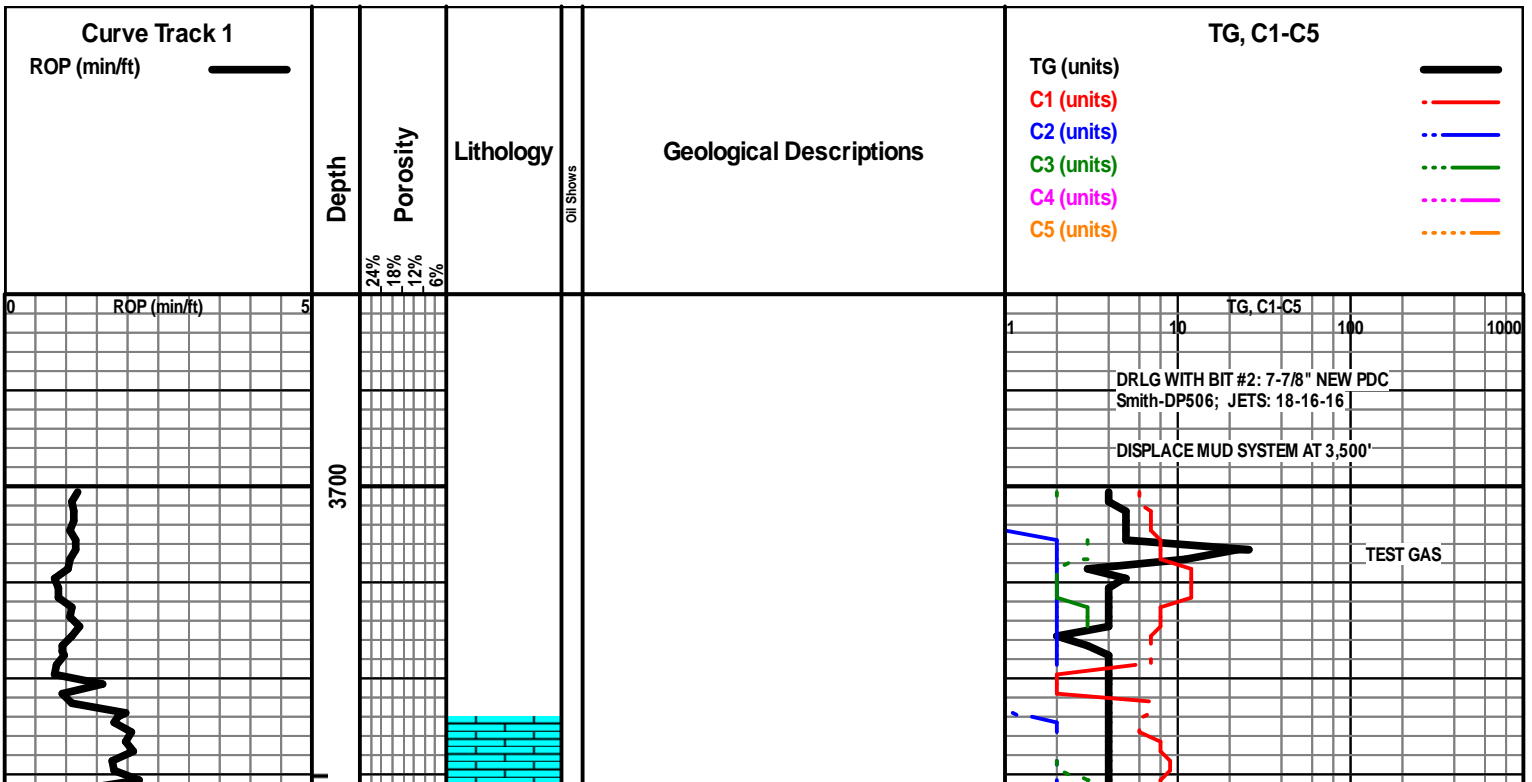
- Core
- Dst

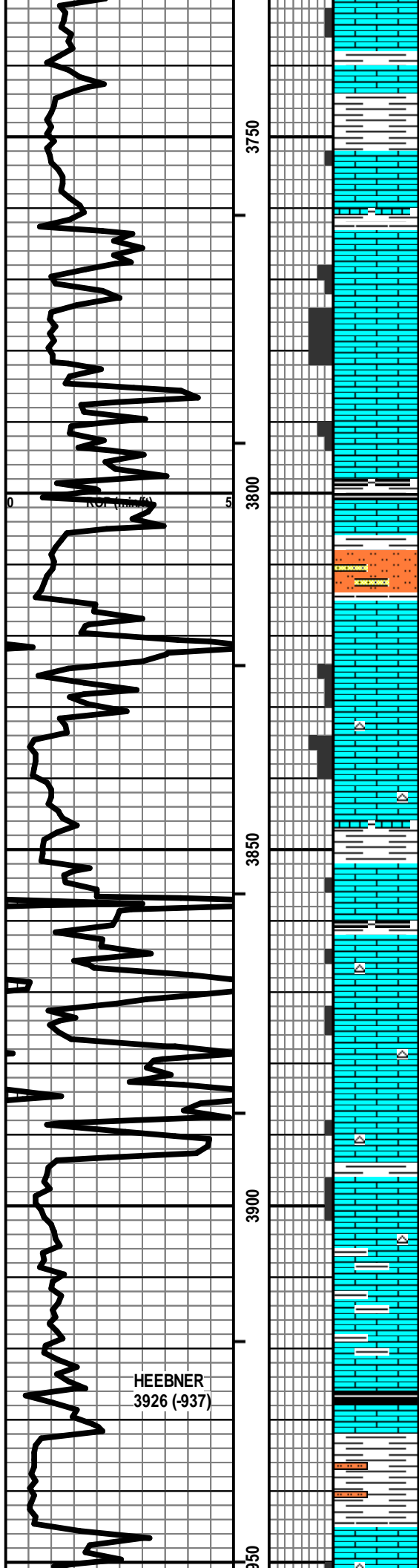


- Dst_1_t
- Dst_1_b
- Dst

EVENTS

- Rft
- Sidewall
- Conn





LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, FOSS IN PT, SCAT P INTXLN + PPT POR, CHKY IN PT / DNS, NS

Vis: 53, Wt: 8.9
LCM: 2#

LS - TAN / GY / SCAT CRM, VF / F XLN, SL FOSS, TR P INTXLN POR, PRED DNS, NS W/ SH - GY / SCAT GRN + RED

LS - TAN / CRM, F XLN, SCAT M REXLN CALC, FOSS + OOL IN PT, SCAT P / F VUG + INTXLN POR, SUBCHKY IN PT, NS

WEIGHT ON BIT: 10,000 LBS.

LS - TAN / GY / SCAT CRM, MOT IN PT, FOSS IN PT, SL OOL, SCAT P FOSSMOLD POR, NS W/ SH - DK GY / BLK, CARB IN PT

TG, C1-C5
100 1000

SLTST - LT / MED GY W/ SCAT SS - LT / MED GY, SLT / VF QTZ GR, W SRTD, NS W/

— LECOMPTON 3815 (-826)

LS - TAN / BRN, MOT, VF / F XLN, FOSS, PRED DNS, NS

LS - CRM / TAN / SCAT BRN, F XLN, DOLO IN PT, OOL IN PT, SL FOSS, P / TR F INTXLN + PPT POR, TR F VUG POR, TR P OOM POR, TR FLKY DEAD OIL, NSFO, NO ODOR W/ SCAT CHT - WHT / ORG

LS - CRM / TAN, VF / F XLN, OOL IN PT, SL FOSS, SCAT INTXLN POR, SUBCHKY IN PT, NS W/ SH - GY / SCAT BLK, CARB IN PT

— OREAD 3862 (-873)

LS - TAN / CRM / BRN, MOT IN PT, FOSS IN PT, SCAT INTXLN POR, CHKY IN PT / DNS, NS W/ CHT - WHT / LT GY

Vis: 53, Wt: 9.0,
YP: 15, GeIS: 8/18,
pH: 11.5, WL: 7.2,
Cht: 3000, Sol: 4.9,
LCM: 3#

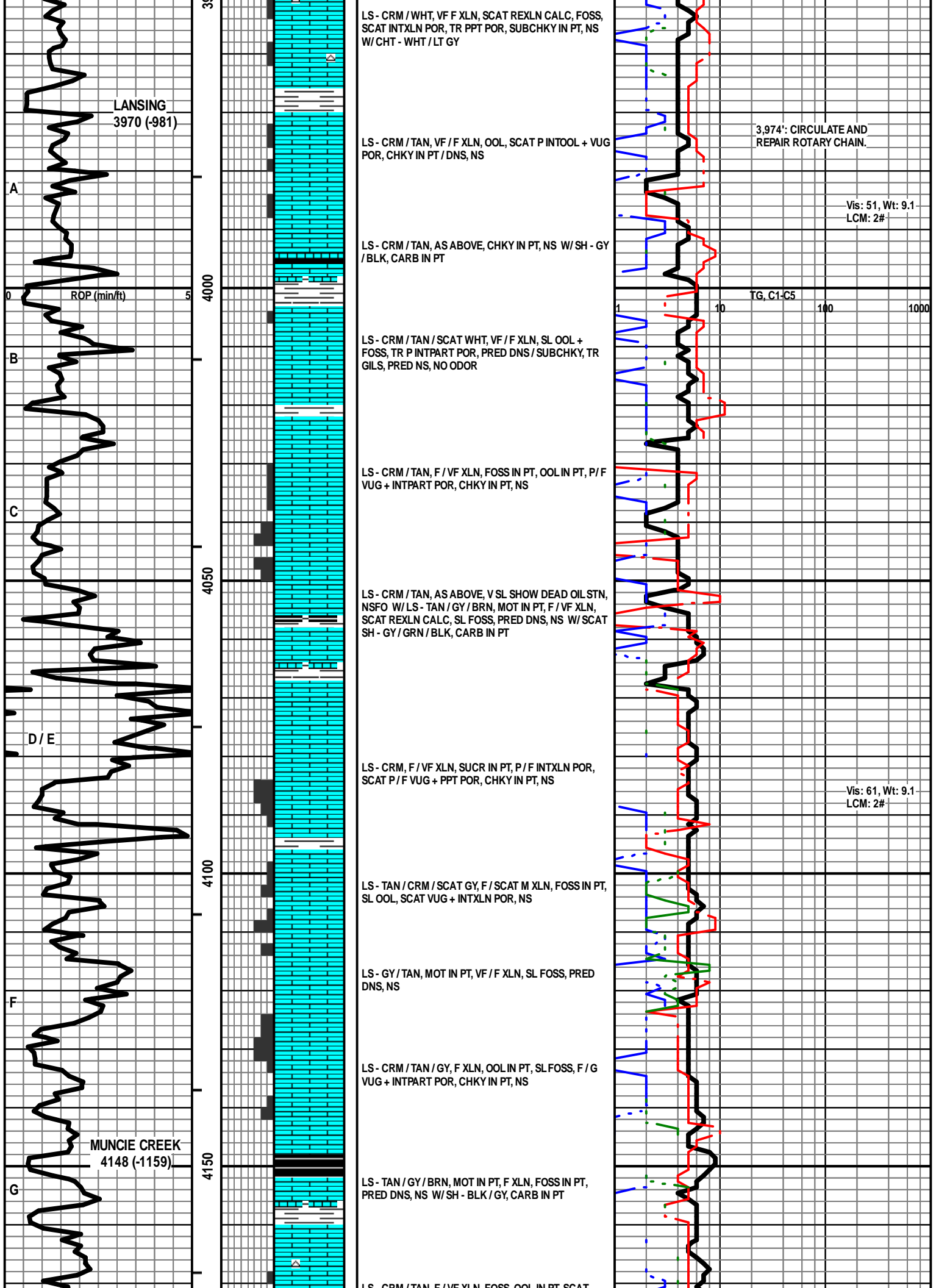
LS - SIM TO ABOVE, SCAT INTXLN + PPT POR, CHKY IN PT, NS W/ SCAT CHT - WHT / LT GY

INCREASE WIGHT ON BIT TO 14,000 LBS.

LS - BRN / TAN, MOT, VF XLN, PRED ARGIL + CHKY, LAMINATED IN PT, NS W/ SCAT CHT - AS ABOVE

HEEBNER
3926 (-937)

SH - LT / MED GY / BLK, CARB IN PT, SLTY IN PT W/ LS - TAN, F XLN, FOSS IN PT, DNS, NS



LS - CRM / TAN, F / VF XLN, FOSS, OOL IN PT, SCAT INTXLN POR, PRED DNS, NS W/ TR CHT - WHT / LT GY

LS - CRM / TAN / BRN, F / VF XLN, OOL, SL FOSS, TR P INTOOL POR, TR DEAD OIL STN, NSFO, NO ODOR

LS - TAN / GY / SCAT CRM, MOT IN PT, VF / F XLN, OOL IN PT, PRED DNS, NS W/ CHT - WHT / GY

LS - TAN / LT GY, VF / F XLN, FOSS IN PT, TR INTXLN POR, PRED DNS, NS

LS - TAN / BRN, F XLN, SCAT M REXLN CALC, FOSS, P / F VUG + INTXLN POR, VSSFO + GB, F SHOW ASPH, MOD BARR POR, V FT ODOR, SPTY BLK STN

LS - CRM / TAN, VF / F XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS W/ SCAT CHT - BRN / GY

LS - TAN / CRM / SCAT BRN, MOT IN PT, F / VF XLN, OOL IN PT, SL FOSS, SCAT P INTOOL + PPT POR, TR FO, SCAT ASPH, V FT ODOR, SCAT SPTY BLK STN

LS - CRM / TAN / BRN, VF / F XLN, FOSS IN PT, SCAT OOL, SUBCHKY IN PT, PRED DNS, NS W/ TR CHT - WHT / LT GY

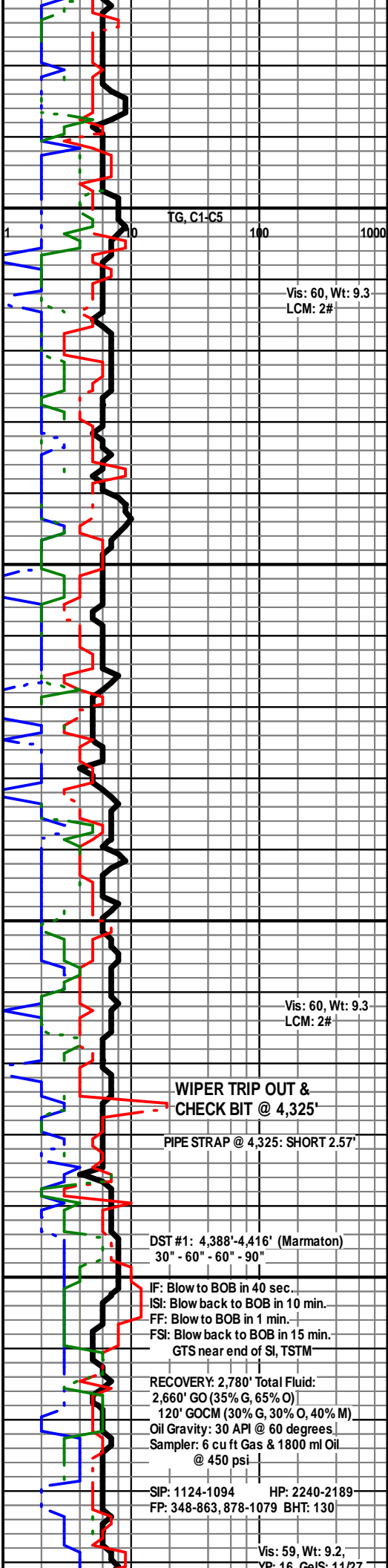
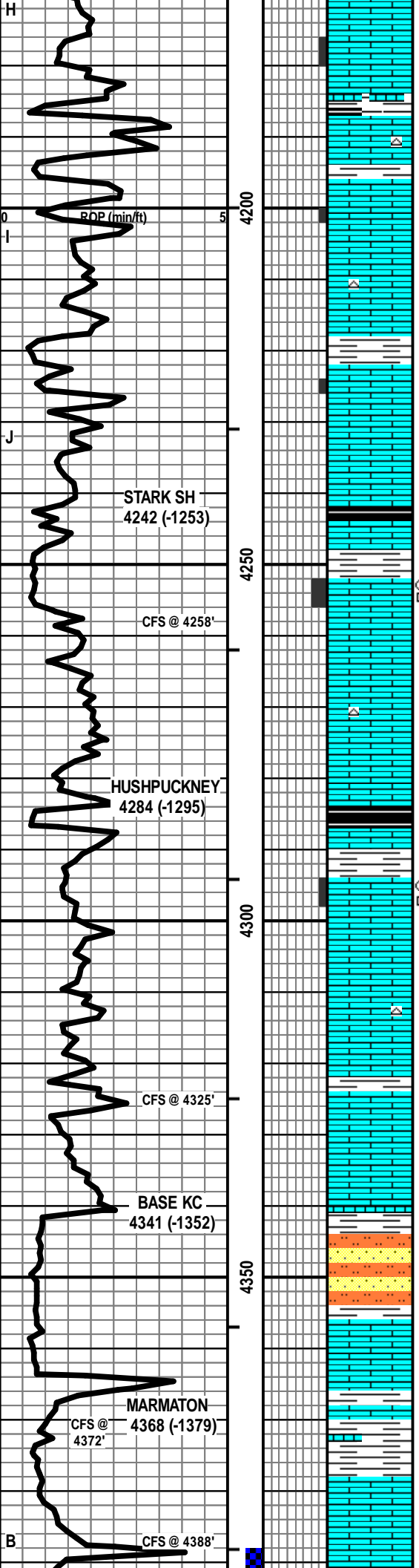
LS - CRM / TAN / BRN, VF / F XLN, FOSS + OOL IN PT, TR P INTXLN POR, PRED DNS, SL SHOW DEAD SPTY OIL STN, NSFO, NO ODOR (ABNT CAVINGS / TRIP TRASH)

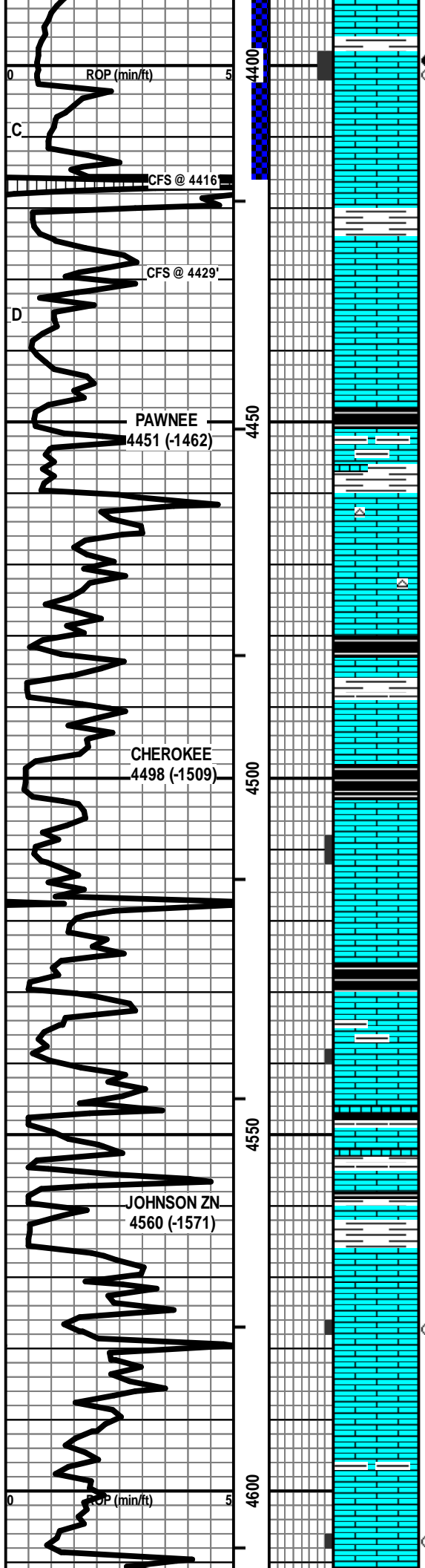
SLTST - LT / MED GY W/ SS - LT / MED GY, SLT / VF QTZ GR, W SRTD, MIC, NS W/ SH - GY

AS ABOVE W/ LS - CRM / WHT / TAN, MOT IN PT, F / VF XLN, OOL IN PT, SL FOSS, TR P INTXLN POR, PRED DNS, NS W/ SH - LT / DK GY / BLK

LS - CRM / TAN / SCAT GY, MOT IN PT, F / VF XLN, OOL IN PT, SUBCHKY IN PT, PRED DNS, NS W/ SCAT LS - TAN / BRN, VF / F XLN, SCAT CRYPTO XLN, DNS, NS W/ SCAT SH - GY / BLK / GRN, LAMINATED IN PT

LS - TAN / GY / SCAT BRN, VF / F XLN, OOL IN PT, PRED





LS - TAN / GY / SCAT BRN, VF / F XLN, OOL IN PT, PRED DNS, NS

LS - CRM / TAN, F / VF XLN, SCAT M / C REXLN CALC, FOSS + OOL IN PT, P / G VUG + INTXLN POR IN PT, SL / F SFO + GB, F ODOR, SPTY / SAT STN, F / G FLUOR, G CUT

LS - TAN, VF / SCAT F XLN, SL FOSS, DNS, NS W / TR LS - AS ABOVE W / ABNT SH - PRED LT / MED GY W / LS - CRM / TAN / GY, VF / F XLN, SL FOSS, DNS, NS, NO ODOR (MODERATE AMT OF CAVINGS)

LS - CRM / TAN, VF / F XLN, OOL IN PT, SLFOSS, PRED DNS, NS

LS - CRM / TAN / SCAT GY, VF / F XLN, SL FOSS + OOL, CHKY IN PT, PRED DNS, NS W / SH - BLK / GY, CARB IN PT

LS - CRM / TAN, VF / F XLN, SL FOSS + OOL, TR P MOLDIC POR, PRED DNS, NS W / CHT - GY / WHT / TAN

LS - CRM / TAN / SCAT BRN, VF / F XLN, SL FOSS, SUBCHKY IN PT, PRED DNS, NS W / SH - GY / BLK, CARB IN PT

LS - TAN / BRN / GY, VF / F XLN, SCAT REXLN CALC, FOSS + OOL IN PT, SCAT P INTXLN + VUG POR, PRED DNS, NS

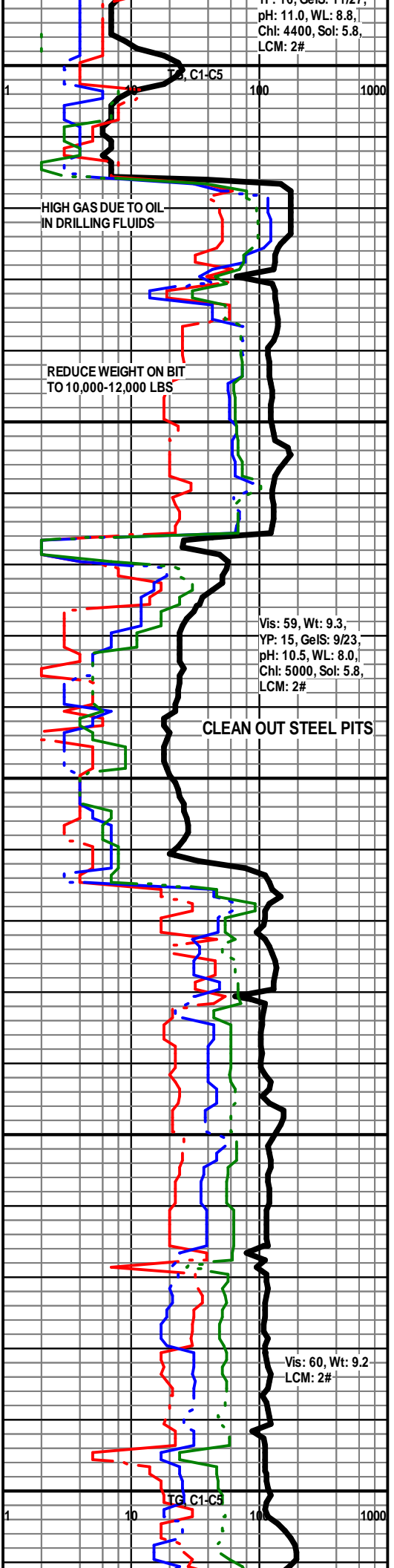
LS - CRM / TAN, VF / F XLN, OOL + FOSS IN PT, CHKY IN PT, TR POR V SIM TO ABOVE, PRED DNS, NS W / SH - BLK / SCAT GY, CARB IN PT

LS - TAN / BRN / GY, MOT IN PT, F / VF XLN, FOSS IN PT, PRED DNS, NS W / SH - GY / BLK, CARB IN PT

LS - CRM / TAN, VF / F XLN, SL FOSS, SCAT OOL, TR P INTXLN + VUG POR, PRED DNS, TR FO, NO ODOR, SCAT SPTY STN

LS - CRM / TAN, F / VF XLN, SL FOSS, SCAT OOL, SCAT P INTXLN + PPT POR, SSFO, V FT ODOR, SCAT SPTY STN, G FLUOT + CUT

LS - TAN / CRM, AS ABOVE, PRED DNS, NS W / SCAT SS - LT GY, PRED VE OTZ GR, G / E SPTG SR / SA, SL / MOD



LT GRN, PRED W/ QTZ GR, STY GRN, SR Y SA, SL/ MOD
CALC CEM, P / SCAT F INTGR POR, TR ASPH, NSFO,

— MORROW SHALE 4618 (-1629)
NO ODOR W/ SCAT SH - GY / GRN
SH - LT / MED GY W/ SS - GRN / LT GY, VF QTZ GR, SR /
SA, W SRTD, SIL CEM, P / F INTGR POR, NS

ABNT SH - GY W/ ABNT SS - GRN / LT GY, AS ABOVE,
NS W/ SCAT LS - WHT / CRM, VF XLN,
— MISSISSIPPIAN 4640 (-1651)
V AREN, OOL, CHKY, NS W/ SCAT LS - CRM / TAN, VF /
F XLN, OOL, PRED DNS, NS W/ SCAT CHT - ORG / TAN

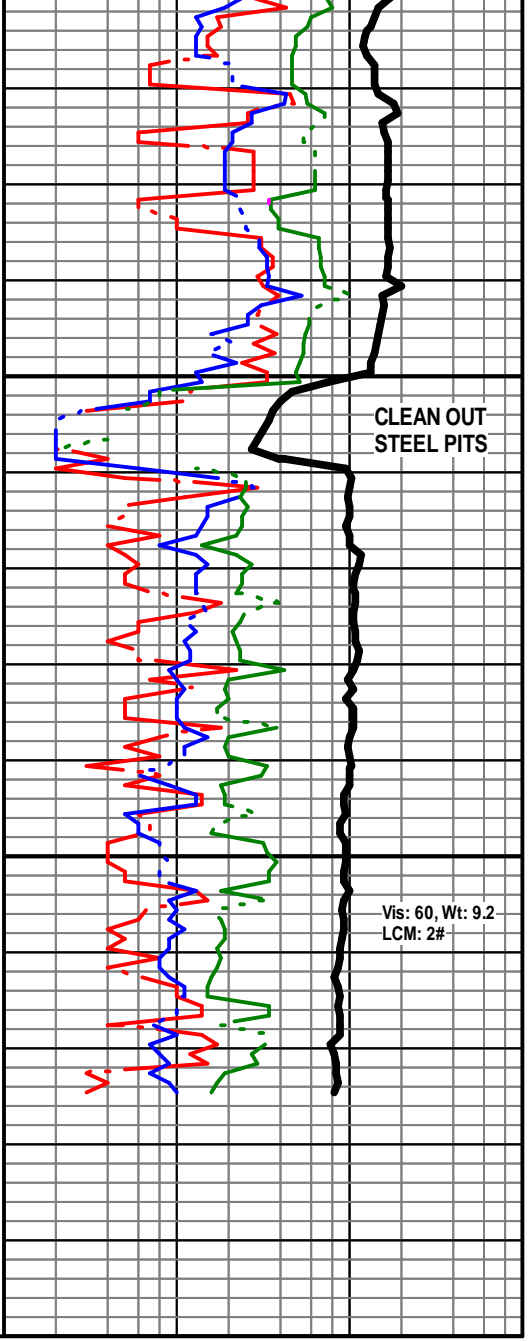
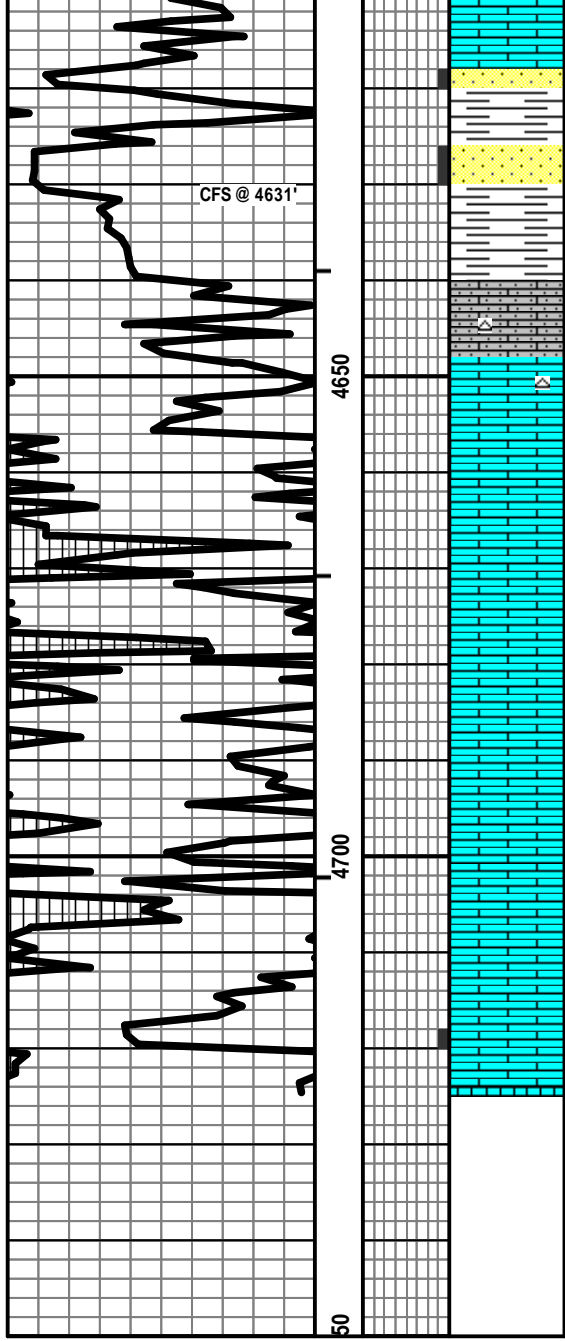
MOD AMT LS - CRM / TAN, VF / F XLN, OOL, PRED DNS,
NS W/ MOD AMT LS - WHT / CRM, VF XLN, V AREN,
OOL, CHKY, NS W/ ABNT VARICOL SH & OTHER
CAVINGS

PRED VARICOL SH & OTHER CAVINGS W/ SCAT LS -
AS ABOVE, AREN IN PT, NS

MOD AMT LS - CRM / TAN, VF / F XLN, OOL IN PT, PRED
DNS, NS W/ MOD AMT LS - WHT / CRM, VF XLN, V
AREN, OOL, CHKY, NS W/ MOD AMT VARICOL SH &
OTHER CAVINGS

50% LS - CRM / TAN, VF / F XLN, OOL IN PT, TR INTOOL
POR, CHKY IN PT / PRED DNS, NS W/ 50% VARICOL SH
& OTHER CAVINGS

TOTAL DEPTH 4725 (-1736)



Vis: 60, Wt: 9.2
LCM: 2#



DRILL STEM TEST REPORT

Prepared For: **Stelbar Oil Corp.**

1625 N Waterfront Pkwy
Ste 200
Wichita, KS 67206

ATTN: Dave Goldak

Christy Unit #1-19

19-17s-32w Scott,KS

Start Date: 2016.11.08 @ 16:04:00

End Date: 2016.11.09 @ 03:25:15

Job Ticket #: 63464 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.11.14 @ 08:37:28



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stelbar Oil Corp.
 1625 N Waterfront Pkw y
 Ste 200
 Wichita, KS 67206
 ATTN: Dave Goldak

19-17s-32w Scott, KS
Christy Unit #1-19
 Job Ticket: 63464 **DST#: 1**
 Test Start: 2016.11.08 @ 16:04:00

GENERAL INFORMATION:

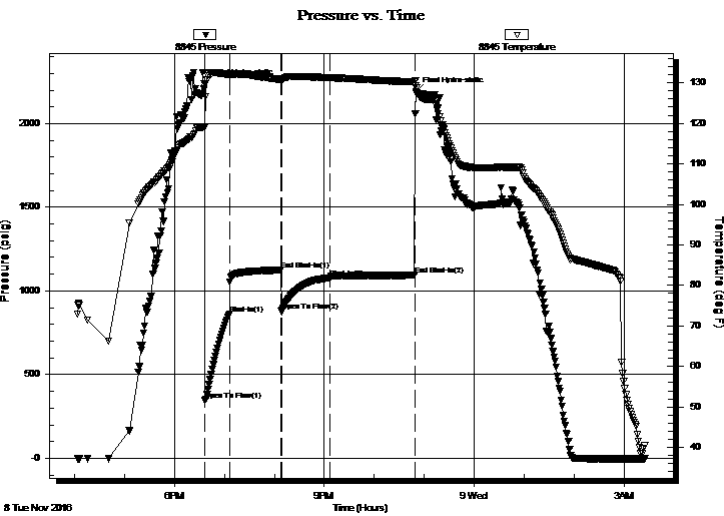
Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:36:45
 Time Test Ended: 03:25:15
 Interval: **4388.00 ft (KB) To 4416.00 ft (KB) (TVD)**
 Total Depth: 4416.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2989.00 ft (KB)
 2978.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8845

Outside

Press@RunDepth: 1078.88 psig @ 4389.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.11.08 End Date: 2016.11.09 Last Calib.: 2016.11.09
 Start Time: 16:04:05 End Time: 03:25:15 Time On Btm: 2016.11.08 @ 18:36:00
 Time Off Btm: 2016.11.08 @ 22:50:15

TEST COMMENT: IF: BOB @ 40 sec.
 IS: BOB @ 10 min. receded to 4".
 FF: BOB @ 1 min.
 FS: BOB @ 15 min. receded to 2".



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2239.87 | 119.23 | Initial Hydro-static |
| 1 | 348.34 | 119.06 | Open To Flow (1) |
| 31 | 863.01 | 132.01 | Shut-In(1) |
| 92 | 1124.47 | 130.81 | End Shut-In(1) |
| 93 | 878.04 | 130.63 | Open To Flow (2) |
| 151 | 1078.88 | 131.25 | Shut-In(2) |
| 253 | 1093.89 | 130.21 | End Shut-In(2) |
| 255 | 2189.11 | 129.36 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------|--------------|
| 120.00 | gocm 30g 30o 40m | |
| 2660.00 | go 35g 65o | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stelbar Oil Corp.

19-17s-32w Scott,KS

1625 N Waterfront Pkwy
Ste 200
Wichita, KS 67206
ATTN: Dave Goldak

Christy Unit #1-19

Job Ticket: 63464

DST#: 1

Test Start: 2016.11.08 @ 16:04:00

Tool Information

| | | | | | | |
|---------------------------|--------------------|-----------|-------------|----------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 4085.00 ft | Diameter: | inches | Volume: 3968261 bbl | Tool Weight: | 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: | inches | Volume: 0.00 bbl | Weight set on Packer: | 25000.00 lb |
| Drill Collar: | Length: 276.00 ft | Diameter: | inches | Volume: 2681126 bbl | Weight to Pull Loose: | 78000.00 lb |
| | | | | <u>Total Volume: 4236374 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 2.00 ft | | | | String Weight: Initial | 63000.00 lb |
| Depth to Top Packer: | 4388.00 ft | | | | Final | 67000.00 lb |
| Depth to Bottom Packer: | ft | | | | | |
| Interval between Packers: | 28.00 ft | | | | | |
| Tool Length: | 57.00 ft | | | | | |
| Number of Packers: | 2 | Diameter: | 6.75 inches | | | |
| Tool Comments: | | | | | | |

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4360.00 | |
| Shut In Tool | 5.00 | | | 4365.00 | |
| Sampler | 2.00 | | | 4367.00 | |
| Hydraulic tool | 5.00 | | | 4372.00 | |
| Jars | 5.00 | | | 4377.00 | |
| Safety Joint | 2.00 | | | 4379.00 | |
| Packer | 5.00 | | | 4384.00 | 29.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4388.00 | |
| Stubb | 1.00 | | | 4389.00 | |
| Recorder | 0.00 | 8365 | Inside | 4389.00 | |
| Recorder | 0.00 | 8845 | Outside | 4389.00 | |
| Perforations | 24.00 | | | 4413.00 | |
| Bullnose | 3.00 | | | 4416.00 | 28.00 Bottom Packers & Anchor |

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stelbar Oil Corp.

19-17s-32w Scott,KS

1625 N Waterfront Pkw y
Ste 200
Wichita, KS 67206
ATTN: Dave Goldak

Christy Unit #1-19

Job Ticket: 63464

DST#: 1

Test Start: 2016.11.08 @ 16:04:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|------------------|----------------|
| 120.00 | gocm 30g 30o 40m | |
| 2660.00 | go 35g 65o | |

Total Length: 2780.00 ft

Total Volume:

bbbl

Num Fluid Samples: 0

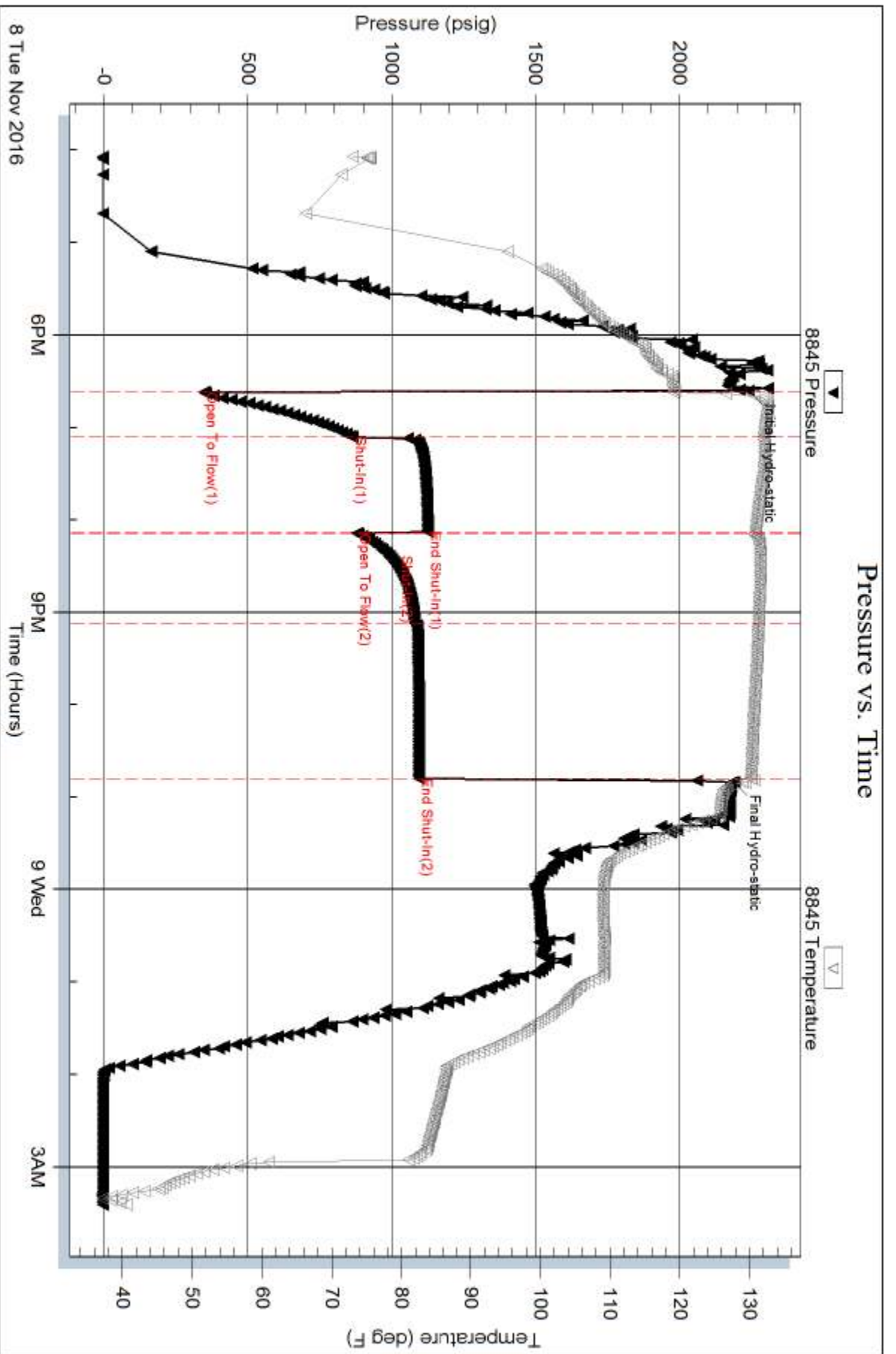
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 450psi 6 cf gas 1800 ml oil



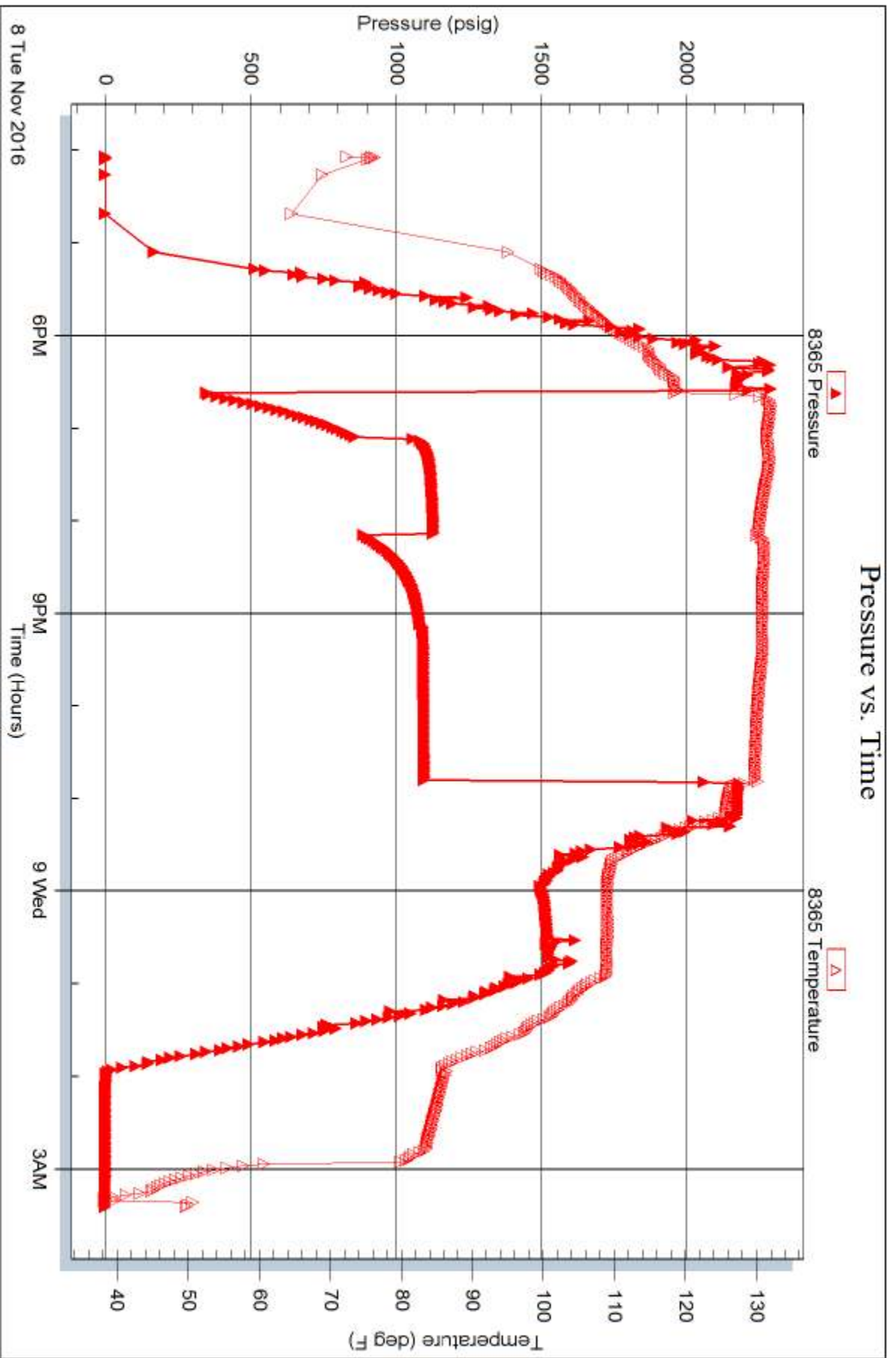
Serial #: 8365

Inside

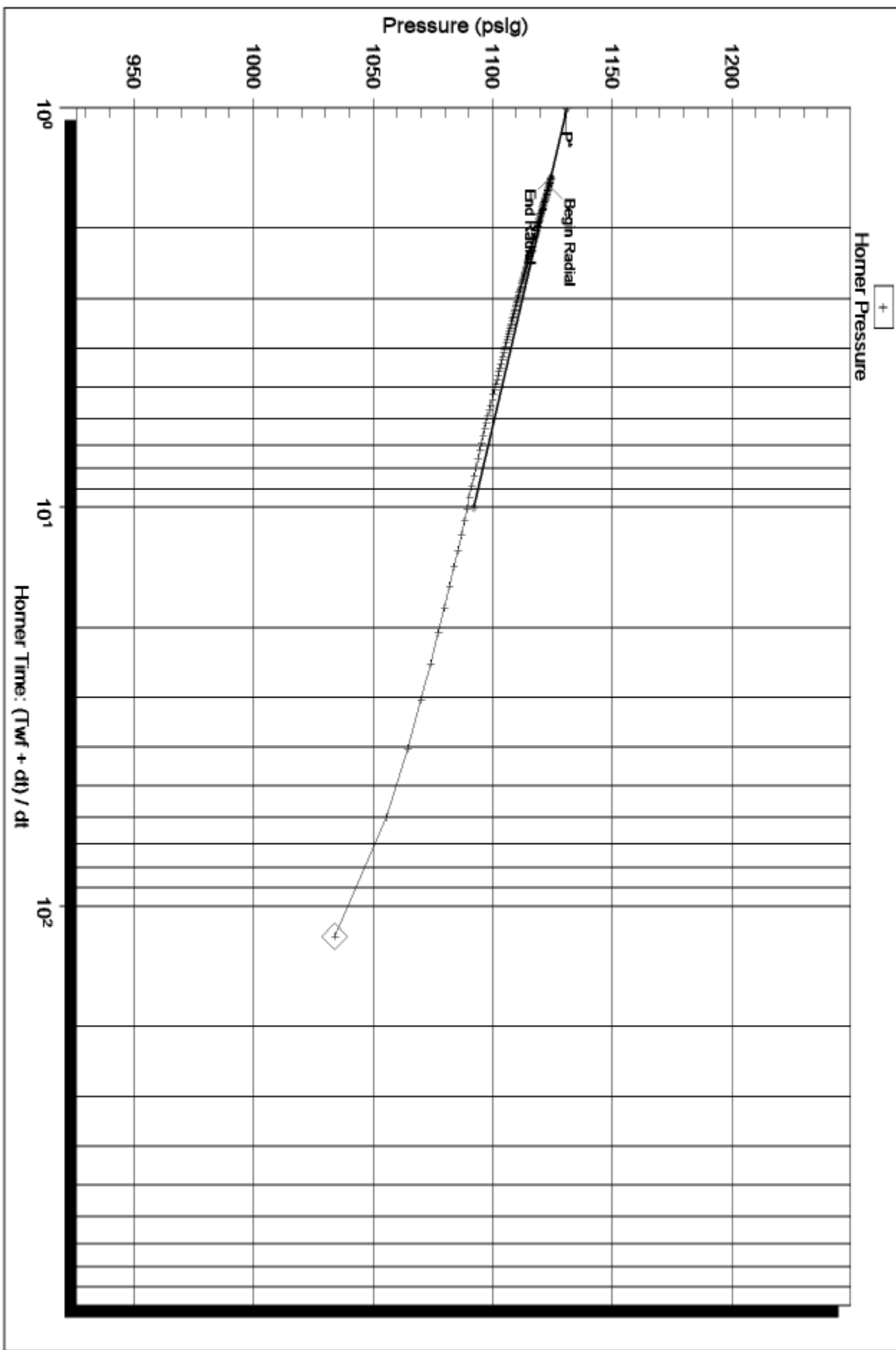
Starbar Oil Corp.

Christy Unit #1-19

DST Test Number: 1



Horner Plot



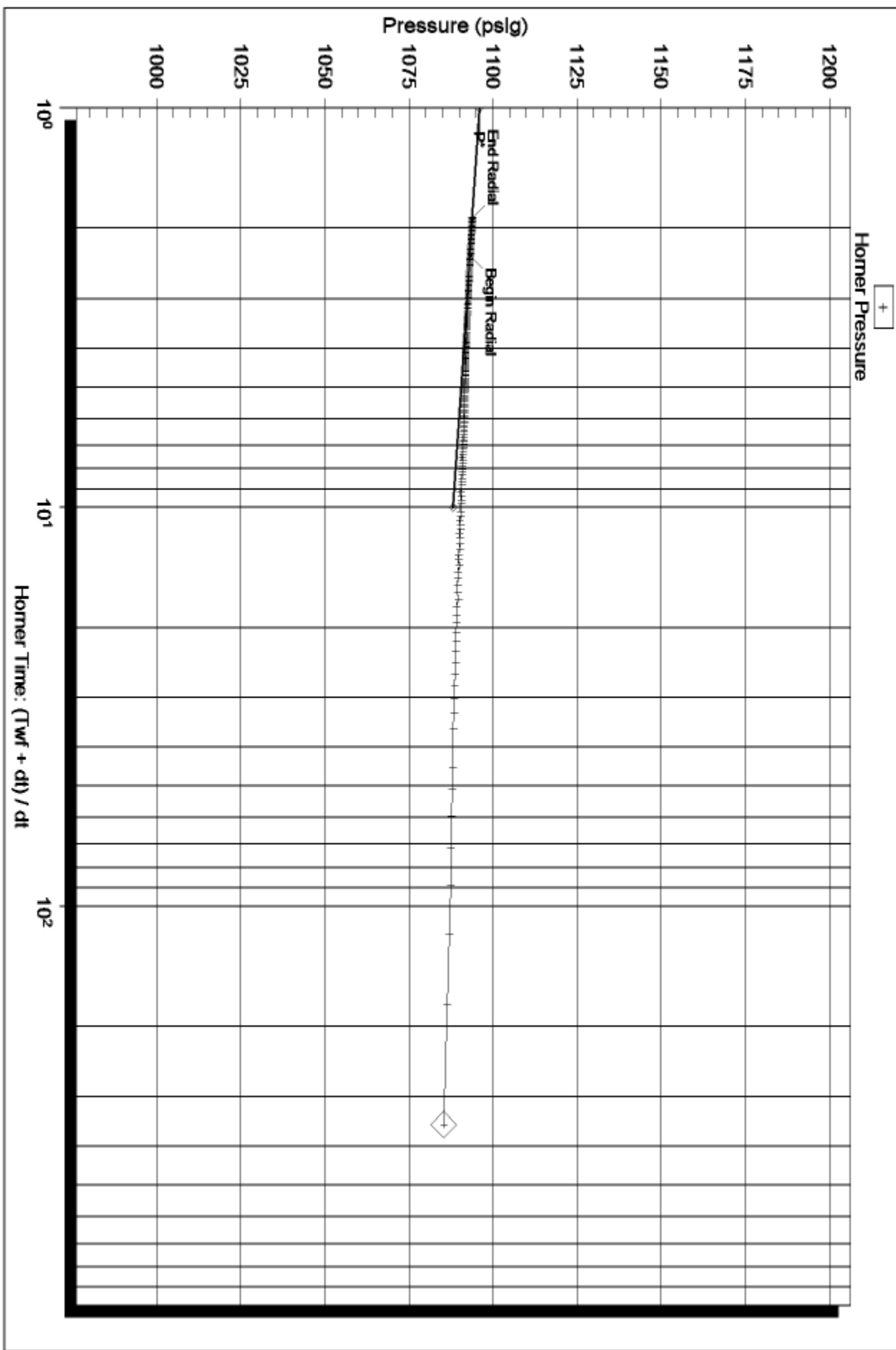
Serial Number: 8845 (Outside)

P* : 1131.13

Slope (m) : 38.85 kpa/log cycle

Flow Cycle: 1

Horner Plot



Serial Number: 8845 (Outside)

P* : 1096.09

Slope (m) : 7.97 kpa/log cycle

Flow Cycle: 2



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63464

Well Name & No. Christy Unit # 1-19 Test No. 1 Date 11/09/2016
 Company Stelbar Oil Corp. Elevation 2989 KB 2978 GL
 Address 1625 N Waterfront Pkwy Ste 200 Wichita, Ks 67206
 Co. Rep / Geo. Dave Goldak Rig Martin 21
 Location: Sec. 19 Twp. 17s Rge. 32w Co. Scott State Ks

Interval Tested 4388 - 4416 Zone Tested Marnaton
 Anchor Length 28 Drill Pipe Run 4085 Mud Wt. 92
 Top Packer Depth 4383 Drill Collars Run 276 Vis 59
 Bottom Packer Depth 4388 Wt. Pipe Run Ø WL 8.8
 Total Depth 4416 Chlorides 4400 ppm System LCM 2#

Blow Description IF BOB @ 40 sec
ISI BOB @ 10 min
FF BOB @ 1 min
FSI BOB @ 15 min Gas to surface

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|-----------------------|-----------|-------------|-----------|------|
| <u>2660</u> | <u>60</u> | <u>35</u> | <u>36.5</u> | <u>40</u> | |
| <u>120</u> | <u>60cm</u> | <u>30</u> | <u>30</u> | <u>40</u> | |
| | <u>Gas to surface</u> | | | | |
| | | | | | |
| | | | | | |

Rec Total 2780 BHT 130 Gravity 30 API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2240</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>1500</u> |
| (B) First Initial Flow <u>348</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>1605</u> |
| (C) First Final Flow <u>863</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>1836</u> |
| (D) Initial Shut-In <u>1124</u> | <input checked="" type="checkbox"/> Circ Sub <u>used</u> <u>50</u> | T-Pulled <u>2236</u> |
| (E) Second Initial Flow <u>878</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>0325</u> |
| (F) Second Final Flow <u>1079</u> | <input checked="" type="checkbox"/> Mileage <u>17 RT x 2</u> <u>25.50</u> | Comments <u>Loaded @ 1130</u> |
| (G) Final Shut-In <u>1094</u> | <input checked="" type="checkbox"/> Sampler <u>250</u> | <u>1130 11/10/2016</u> |
| (H) Final Hydrostatic <u>2189</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |

| | | |
|---------------------------|---|--|
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Shut-In <u>60</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Final Flow <u>60</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>0</u> |
| Final Shut-In <u>90</u> | <input type="checkbox"/> Day Standby | Total <u>1800.50</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| Sub Total <u>1800.50</u> | | |

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 63464 Date 11/09/2016
 Company Name Stelbar Oil Corporation
 Lease Christy Unit # 1-19 Test No. 1
 County Scott Sec. 19 Twp. 17s Rng. 32w

SAMPLER RECOVERY

Gas 6 ccf ML
 Oil 1800 ML
 Mud — ML
 Water — ML
 Other — ML
 Pressure 450 psi ML
 Total 2000 ML

PIT MUD ANALYSIS

Chlorides 4400 ppm.
 Resistivity _____ ohms @ _____ F
 Viscosity 59
 Mud Weight 9.2
 Filtrate 8.8
 Other LCM 2#

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
 Gravity 28 corrected @60F

PIPE RECOVERY

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.
BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 ~~14334~~ A

DATE _____ TICKET NO. _____

| DATE OF JOB 11-4-10 | | DISTRICT Pratt | | NEW WELL <input type="checkbox"/> | | OLD WELL <input type="checkbox"/> | | PROD <input type="checkbox"/> | | INJ <input type="checkbox"/> | | WDW <input type="checkbox"/> | | CUSTOMER ORDER NO.: | |
|--|-----|-----------------------|-----|-----------------------------------|-----|-----------------------------------|-------------|----------------------------------|----|------------------------------|--|------------------------------|--|---------------------|--|
| CUSTOMER Stellar Oil Corp. Inc. | | | | LEASE Cherry Unit | | | | WELL NO. 11 | | | | | | | |
| ADDRESS | | | | COUNTY Scott | | | | STATE Ks. | | | | | | | |
| CITY | | | | STATE | | | | SERVICE CREW MATTHEW G... | | | | | | | |
| AUTHORIZED BY | | | | JOB TYPE: 2-4L 8 1/2 5... | | | | | | | | | | | |
| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS | TRUCK CALLED | DATE | AM | PM | TIME | | | | | |
| | | | | | | | 11-4 | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-------------|
| CE 101 | 60/40 T-2 | SR | 215 | | 2,580.00 |
| CE 102 | C. HUGGINS | lb | 50 | | 199.80 |
| CE 103 | CAR WASH | lb | 255 | | 582.75 |
| E 104 | P.M. UNIT | mi | 100 | | 450.00 |
| E 105 | WATER EQ. UNIT | mi | 200 | | 1,500.00 |
| E 106 | FRONT END L.H. | TR | 925 | | 2,312.50 |
| E 107 | 2 P.M. CHAIRS | 46 | 1 | | 1,050.00 |
| S 203 | SUPPLIES | EA | 1 | | 175.00 |
| SUB TOTAL | | | | | 9,105.00 |
| SERVICE & EQUIPMENT | | | | | %TAX ON \$ |
| MATERIALS | | | | | %TAX ON \$ |
| TOTAL | | | | | KG 3,547.00 |

CHEMICAL / ACID DATA:

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

SERVICE & EQUIPMENT
MATERIALS

%TAX ON \$
%TAX ON \$

TOTAL

KG 3,547.00

SERVICE REPRESENTATIVE **MATTHEW G...**

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____

FIELD SERVICE ORDER NO. _____

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

| | | |
|----------------------------------|------------------|-------------------------------|
| Customer STELBER OIL CORP INC | Lease No. | Date 11-4-16 |
| Lease CHRISTY UNIT | Well # 1-19 | |
| Field Order # 14684 | Station PRATT | Casing 8 5/8 |
| | | Depth 308 |
| Type Job 2 42 8 5/8 SURFACE | Formation | County SCOTT |
| | | State KS |
| | | Legal Description 19-17-32 |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | |
|------------------------|--------------|------------------|----|------------------|-------------|------------------|------------------|
| Casing Size 8 5/8 | Tubing Size | Shots/Ft | | Acid 215 SKS | 60/40 POZ | RATE | PRESS |
| Depth 310.65 | Depth | From | To | Pre Pad 3% CC | Max C.F. | | ISIP |
| Volume 19.8 | Volume | From | To | Pad | Min | | 10 Min. |
| Max Press 300 | Max Press | From | To | Frac | Avg | | 15 Min. |
| Well Connection 5 V | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure |
| Plug Depth 270.65 | Packer Depth | From | To | Flush 18.5 | Gas Volume | | Total Load |

| | | |
|----------------------------------|----------------------------------|------------------------|
| Customer Representative JASON | Station Manager Kevin Gaidley | Treater Mike Mattai |
|----------------------------------|----------------------------------|------------------------|

| | | | | | | | | |
|------------------------|--------|-------|-------|-------|--|--|--|--|
| Service Units 37586 | 78982 | 86779 | 19889 | 19918 | | | | |
| Driver Names MATTAI | GRAVES | | JASON | | | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|-------|-----------------|-----------------|--------------|------|----------------------------------|
| 9:00 | | | | | ON LOCATION / SAFETY MEETING |
| | | | | | Running CSNG |
| 9:25 | | | | | CSNG ON BOTTOM |
| 9:35 | | | | | HOOK TO CSNG / BREAK CIRC W. RIG |
| 9:55 | 300 | | 3 | 6 | PUMP 3 bbl WATER |
| 9:56 | 300 | | 46 | 6 | MIX 215 SKS 60/40 POZ |
| 10:06 | 250 | | - | 5 | START DISPLACEMENT |
| 10:11 | 200 | | 18.5 | | Plug down / Shut in well |
| | | | | | 10 bbls ^{cm} TO SURFACE |
| | | | | | JOB COMPLETE |
| | | | | | Thank YOU! |
| | | | | | MIKE MATTAI |
| | | | | | SCOTT + JASON |



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

19-17-32

FIELD SERVICE TICKET
1718 13930 A

DATE _____ TICKET NO. _____

| | | | | | | | | | | |
|---|--------------|--|-----|------------|-----|----------------------------|--------------|----|----|-------------|
| DATE OF JOB <u>11/10/2016</u> DISTRICT <u>P99+JKS</u> | | NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: | | | | | | | | |
| CUSTOMER <u>Steiber O.I. Corp.</u> | | LEASE <u>Christy Unit</u> WELL NO. <u>1-19</u> | | | | | | | | |
| ADDRESS | | COUNTY <u>Scott</u> STATE <u>KS</u> | | | | | | | | |
| CITY STATE | | SERVICE CREW <u>Dson, McGrew, Henson, Shenine</u> | | | | | | | | |
| AUTHORIZED BY | | JOB TYPE: <u>242/25asse Longstrng</u> | | | | | | | | |
| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS | TRUCK CALLED | DATE | AM | PM | TIME |
| <u>19843</u> | <u>4 3/4</u> | | | | | | <u>11/10</u> | | | <u>8:30</u> |
| <u>19918</u> | <u>3/4</u> | | | | | ARRIVED AT JOB | <u>11/10</u> | | | <u>2:30</u> |
| <u>73768</u> | <u>3/4</u> | | | | | START OPERATION | <u>11/10</u> | | | <u>9:15</u> |
| | | | | | | FINISH OPERATION | <u>11/11</u> | | | <u>3:00</u> |
| | | | | | | RELEASED | <u>11/11</u> | | | <u>4:00</u> |
| | | | | | | MILES FROM STATION TO WELL | <u>180</u> | | | |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---|------|----------|------------|-----------|
| CP105 | AD2 Cement | SK | 150 | | 2,550 00 |
| CP101 | A-Con Blend | SK | 400 | | 7,200 00 |
| CP100c | Common Cement | SK | 70 | | 1,120 00 |
| CP100c | Common Cement | SK | 50 | | 800 00 |
| CC105 | C-41P | Lb | 36 | | 144 00 |
| CC111 | SS1+ | Lb | 828 | | 414 00 |
| CC113 | Gypsum | Lb | 705 | | 528 75 |
| CC129 | FLA-322 | Lb | 106 | | 795 00 |
| CC201 | Gilsonite | Lb | 750 | | 502 50 |
| CC102 | Celloflsks | Lb | 130 | | 481 00 |
| CC109 | Calcium Chloride | Lb | 1354 | | 1,1421 70 |
| CF451 | Two Stage Cement Collet, 5 1/2 (Blue) | E9 | 1 | | 4,500 00 |
| CF1251 | Auto Fill Flocc Shear, 5 1/2 (Blue) | E9 | 1 | | 360 00 |
| CF1651 | Tubulizer, 5 1/2 (Blue) | E9 | 10 | | 1,100 00 |
| CF1901 | 5 1/2 Basket (Blue) | E9 | 1 | | 290 00 |
| CF3000 | Industrial Rubber Throat Lock Kit | E9 | 1 | | 39 00 |
| CC155 | Sudar Flush IT | GSI | 500 | | 765 00 |
| E100 | Unit milesse chase - Pickups, shear, etc + CS13 | M. | 100 | | 450 00 |
| E101 | Heavy Equipment milesse | M. | 300 | | 2,250 00 |

SUB TOTAL

| CHEMICAL / ACID DATA: | | | |
|-----------------------|--|--|--|
| | | | |
| | | | |
| | | | |

| | | |
|---------------------|------------|-----------|
| SERVICE & EQUIPMENT | %TAX ON \$ | |
| MATERIALS | %TAX ON \$ | |
| TOTAL | | <u>44</u> |

SERVICE REPRESENTATIVE Deen Franklin THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 13330 A

DATE _____ TICKET NO. _____

| | | | | | | | | | | |
|---|--------------|---|-----|------------|-----|--------------|--------------|----|----|-------------|
| DATE OF JOB <u>11/10/10</u> DISTRICT <u>Pratt</u> | | NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO. _____ | | | | | | | | |
| CUSTOMER <u>Shirley O. Cole</u> | | LEASE <u>Christy Dow</u> WELL NO. <u>119</u> | | | | | | | | |
| ADDRESS _____ | | COUNTY <u>Scott</u> STATE <u>KS</u> | | | | | | | | |
| CITY _____ STATE _____ | | SERVICE CREW <u>Don, Mike, Heaton, Sherman</u> | | | | | | | | |
| AUTHORIZED BY _____ | | JOB TYPE: <u>242/251550 Longstone</u> | | | | | | | | |
| EQUIPMENT# | HRS | EQUIPMENT# | HRS | EQUIPMENT# | HRS | TRUCK CALLED | DATE | AM | PM | TIME |
| <u>15603</u> | <u>4 1/2</u> | | | | | | <u>11/10</u> | | | <u>8:30</u> |
| <u>19918</u> | <u>4 1/2</u> | | | | | | | | | <u>2:30</u> |
| <u>73769</u> | <u>4 1/2</u> | | | | | | | | | <u>9:15</u> |
| | | | | | | | | | | <u>3:00</u> |
| | | | | | | | | | | <u>4:00</u> |
| | | | | | | | | | | <u>1:00</u> |

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SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---|------|----------|------------|-----------|
| CP105 | DP 2 Cemen. | SK | 150 | | 2,550 00 |
| CA101 | A-Con Blind | SK | 400 | | 7,200 00 |
| CP100c | Common Cemen. | SK | 70 | | 1,120 00 |
| EP100c | Common Cemen. | SK | 50 | | 800 00 |
| CC105 | C-410 | Lb | 36 | | 144 00 |
| CC111 | SS14 | Lb | 828 | | 414 00 |
| CC113 | Gypsum | Lb | 705 | | 528 75 |
| CC129 | FLA-322 | Lb | 106 | | 795 00 |
| CC201 | Guison 10 | Lb | 750 | | 502 50 |
| CC102 | Cellulose | Lb | 130 | | 481 00 |
| CC109 | Gate Valve | Lb | 1554 | | 1,1421 70 |
| CF-4151 | Two Stage Cemen. Collec. 5/2 (Blue) | FS | 1 | | 4,500 00 |
| CF-1251 | Fluid Filter/1000 Shop. 5/2 (Blue) | FS | 1 | | 360 00 |
| CF-1651 | Turbulizer 5/2 (Blue) | FS | 10 | | 1,100 00 |
| CF-1901 | 5/2 Basin (Blue) | FS | 1 | | 250 00 |
| CF-1066 | Instr. or Ribbon Throat Lock R | FS | 1 | | 34 00 |
| CC155 | Susp. Fluff | GS1 | 300 | | 765 00 |
| F-100 | 2000 lbs. 2000 lbs. 2000 lbs. 2000 lbs. | M | 100 | | 450 00 |
| F-101 | 1000 lbs. 1000 lbs. 1000 lbs. 1000 lbs. | M | 300 | | 2,250 00 |

SUB TOTAL

| CHEMICAL / ACID DATA: | | | |
|-----------------------|--|--|--|
| | | | |
| | | | |
| | | | |

| | | |
|---------------------|------------|--|
| SERVICE & EQUIPMENT | %TAX ON \$ | |
| MATERIALS | %TAX ON \$ | |

TOTAL

SERVICE REPRESENTATIVE Paula L. ... THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

S₁ 995e #1

TREATMENT REPORT

| | | | | | |
|-----------------------------------|----------------------|-----------------|-----------|--------------------|-------------|
| Customer Steiber Oil Corp | | Lease No. | | Date 11/10/2016 | |
| Lease Christy Unit | | Well # 1-19 | | | |
| Field Order # 13930 | Station Pratt, KS | Casing 5 1/2 | Depth | County Scott | State KS |
| Type Job 242/25950 long string | | | Formation | Legal Description | |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | | TREATMENT RESUME | | |
|-----------------|--------------|------------------|----|---------------------|--|------------------|-------|------------------|
| Casing Size | Tubing Size | Shots/Ft | | Acid | | RATE | PRESS | ISIP |
| 5 1/2 | | From | To | Pre Pad | | Max | | 5 Min. |
| Depth | Depth | From | To | Pad | | Min | | 10 Min. |
| Volume | Volume | From | To | Frac | | Avg | | 15 Min. |
| Max Press | Max Press | From | To | Flush Freshwater | | HHP Used | | Annulus Pressure |
| Well Connection | Annulus Vol. | From | To | | | Gas Volume | | Total Load |
| Plug Depth | Packer Depth | From | To | | | | | |

| | | |
|----------------------------------|----------------------------------|---------------------------|
| Customer Representative Tyler | Station Manager Kevin Goadley | Treater Darin Franklin |
|----------------------------------|----------------------------------|---------------------------|

| | | | | | | | | | | |
|---------------|-------|--------|--------|-------|-------|-------|-------|--|--|--|
| Service Units | 92911 | 84981 | 19843 | 19889 | 19918 | 19960 | 73768 | | | |
| Driver Names | Darin | McGraw | McGraw | Psui | Psui | Josh | Josh | | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|--------|-----------------|-----------------|--------------|------|---|
| 2:30pm | | | | | on location / safety meeting |
| | | | | | 5 1/2 casing set 9+ |
| | | | | | DV TOOL - |
| | | | | | T- B- |
| | | | | | 150 sk AA2 cement, 10% Gypsum |
| | | | | | 10% SS17, 75% FLN-322, 25% Defoamer |
| | | | | | 5#/sk G. Isonite, 14.8ppg, 1.54 veils, 6.62 water |
| | | | | 5 | Pipe on bottom & break circulation |
| 9:15pm | 250 | | 3 | 5 | Pump 5 bbls water |
| | 250 | | 12 | 5 | Pump 12 bbls Super flush |
| | 250 | | 5 | 5 | Pump 5 bbls water |
| | | | 41 | 6 | Mix 150sk AA2 |
| | | | | | Shut down |
| | | | | | Wash pump & lines & Release Plug |
| | 200 | | 0 | 6 | Start Displacement |
| | 500 | | 77 | 6 | Lift Pressure |
| | 700 | | 97 | 3 | Slow Rate |
| 9:51pm | 1500 | | 104 | 3 | Bump Plug |
| | | | | | Float - Held |
| | | | | | Drop DV opening Tool |
| | 1400 | | | | Open DV Tool |

BASIC

energy services, L.P. Stage #2

TREATMENT REPORT

| | | |
|-------------------------------------|----------------------|-------------------------------|
| Customer Stoiber Oil Corp | Lease No. | Date 11/10/2016 |
| Lease Christy Unit | Well # 1-19 | |
| Field Order # 13930 | Station Pratt, KS | Casing 5 1/2 |
| Type Job 242/2 stage Long string | Depth | County Scott |
| | Formation | State KS |
| | | Legal Description 19-17-32 |

| PIPE DATA | | PERFORATING DATA | | FLUID USED | TREATMENT RESUME | | |
|-----------------|--------------|------------------|----|------------|------------------|-------|------------------|
| Casing Size | Tubing Size | Shots/Ft | | Acid | RATE | PRESS | ISIP |
| Depth | Depth | From | To | Pre Pad | Max | | 5 Min. |
| Volume | Volume | From | To | Pad | Min | | 10 Min. |
| Max Press | Max Press | From | To | Frac | Avg | | 15 Min. |
| Well Connection | Annulus Vol. | From | To | | HHP Used | | Annulus Pressure |
| Plug Depth | Packer Depth | From | To | Flush | Gas Volume | | Total Load |

| | | |
|-------------------------|-----------------|---------|
| Customer Representative | Station Manager | Treater |
| Service Units | | |
| Driver Names | | |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log |
|--------|-----------------|-----------------|--------------|------|--|
| | | | | | 400SK A-con Blend, 3%CC, 1/4# cellfiste |
| | | | | | 11.6 pps, 2.77 veild, 16.75 wster |
| | | | | | 70SK Common cement, 2%CC, 1/4# cellfiste |
| | | | | | 15.6 pps, 1.20 veild, 5.23 wster |
| | | | | | Circulate with Rig for 4 hrs |
| 2:15pm | 200 | | 192 | 5 | mix 400SK A-con |
| | 200 | | 15 | 5 | mix 70SK Common |
| | | | | | Shut down |
| | | | | | Wash pump & lines & Release Plug |
| | 200 | | 0 | 6 | Start displacement |
| | 400 | | 45 | 3 | Slow Rate |
| 3:00pm | 2,000 | | 55 | 3 | Bump Plug & Close DU TOOL |
| | | | | | Flow |
| | 100 | | 7 | 3 | Plug Rgt hole - 30SK Common |
| | 100 | | 5 | 3 | Plug mouse hole - 20SK Common |
| | | | | | Job complete / Degrin & screw |
| | | | | | Thank you!!! |