

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<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No<br>List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>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<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><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:<br><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:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> | PRODUCTION INTERVAL:<br>Top Bottom |
|---|---|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record<br><i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |
|                |                 |                    |                  |                    |   |

|                |       |         |            |  |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: |  |
|----------------|-------|---------|------------|--|

|           |                           |
|-----------|---------------------------|
| Form      | ACO1 - Well Completion    |
| Operator  | Merit Energy Company, LLC |
| Well Name | WRIGHT 35-3               |
| Doc ID    | 1482969                   |

All Electric Logs Run

|  |
|--|
|  |
| ARRAY COMPENSATED TRUE RESISTIVITY LOG   |
| ARRAY COMPENSATED TRUE RESISTIVITY LOG 1 |
| ARRAY COMPENSATED TRUE RESISTIVITY LOG 2 |
| BOREHOLE SONIC ARRAY LOG                 |
| DUAL SPACED NEUTRON SPECTRAL DENSITY LOG |
| MICROLOG                                 |
| QUAD COMBO                               |

|           |                           |
|-----------|---------------------------|
| Form      | ACO1 - Well Completion    |
| Operator  | Merit Energy Company, LLC |
| Well Name | WRIGHT 35-3               |
| Doc ID    | 1482969                   |

Tops

| Name         | Top  | Datum |
|--------------|------|-------|
| HEEBNER      | 4090 | .     |
| TORONTO      | 4111 | .     |
| LANSING      | 4213 | .     |
| KANSAS CITY  | 4573 | .     |
| MARMATON     | 4718 | .     |
| PAWNEE       | 4813 | .     |
| CHEROKEE     | 4864 | .     |
| ATOKA        | 5001 | .     |
| MORROW       | 5123 | .     |
| CHESTER      | 5195 | .     |
| ST GENEVIEVE | 5242 | .     |





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

Well Name: Wright 35-3  
 Well Id:  
 Location: Sec. 35 T27S R33W, Haskell Co., Kansas  
 License Number: 15-081-22196-0000  
 Spud Date: August 26th, 2019  
 Surface Coordinates: SW NE NE NE  
 Region: Wildcat  
 Drilling Completed: August 30th, 2019

Bottom Hole  
 Coordinates:  
 Ground Elevation (ft): 2941' K.B. Elevation (ft): 2953'  
 Logged Interval (ft): 4000' To: 5509' Total Depth (ft): 5509'  
 Formation: Morrow, Chester  
 Type of Drilling Fluid: Natural Chemical

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

#### OPERATOR

Company: MERIT ENERGY CO.  
 Address: 13727 NOEL ROAD, # 1200 Tower 2  
 DALLAS, TX 75240  
 Co. Geo: Martin Lange

#### GEOLOGIST

Name: Aaron Suelter  
 Company: Earth Tech OGL, Inc  
 Address: PO Box 683  
 Hooker, Oklahoma 73945  
 Off: 888-543-8378 Cell: 620-600-0777

#### SURVEYS

1834' INC 0.3 AZI 68.1  
 1991' INC 0.7 AZI 101.1  
 2150' INC 0.2 AZI 121.1  
 2302' INC 0.1 AZI 156.1  
 2459' INC 0.3 AZI 50.1  
 2615' INC 0.3 AZI 69.1  
 2803' INC 0.2 AZI 103.1  
 2959' INC 0.3 AZI 237.1  
 3116' INC 0.4 AZI 185.1  
 3273' INC 0.2 AZI 157.1  
 3462' INC 0.6 AZI 62.1  
 3679' INC 0.9 AZI 55.1  
 3838' INC 0.7 AZI 55.1  
 3997' INC 0.6 AZI 31.1  
 4122' INC 0.6 AZI 32.1  
 4279' INC 0.9 AZI 34.1  
 4468' INC 1.1 AZI 23.1  
 4625' INC 1.1 AZI 20.1  
 4783' INC 1.5 AZI 22.1  
 4845' INC 1.4 AZI 24.1  
 4909' INC 1.2 AZI 23.1  
 5011' INC 1.2 AZI 31.1  
 5158' INC 1.2 AZI 22.1  
 5315' INC 1.8 AZI 25.1  
 5471' INC 1.5 AZI 34.1

#### 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  
 Sltysl  
 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**

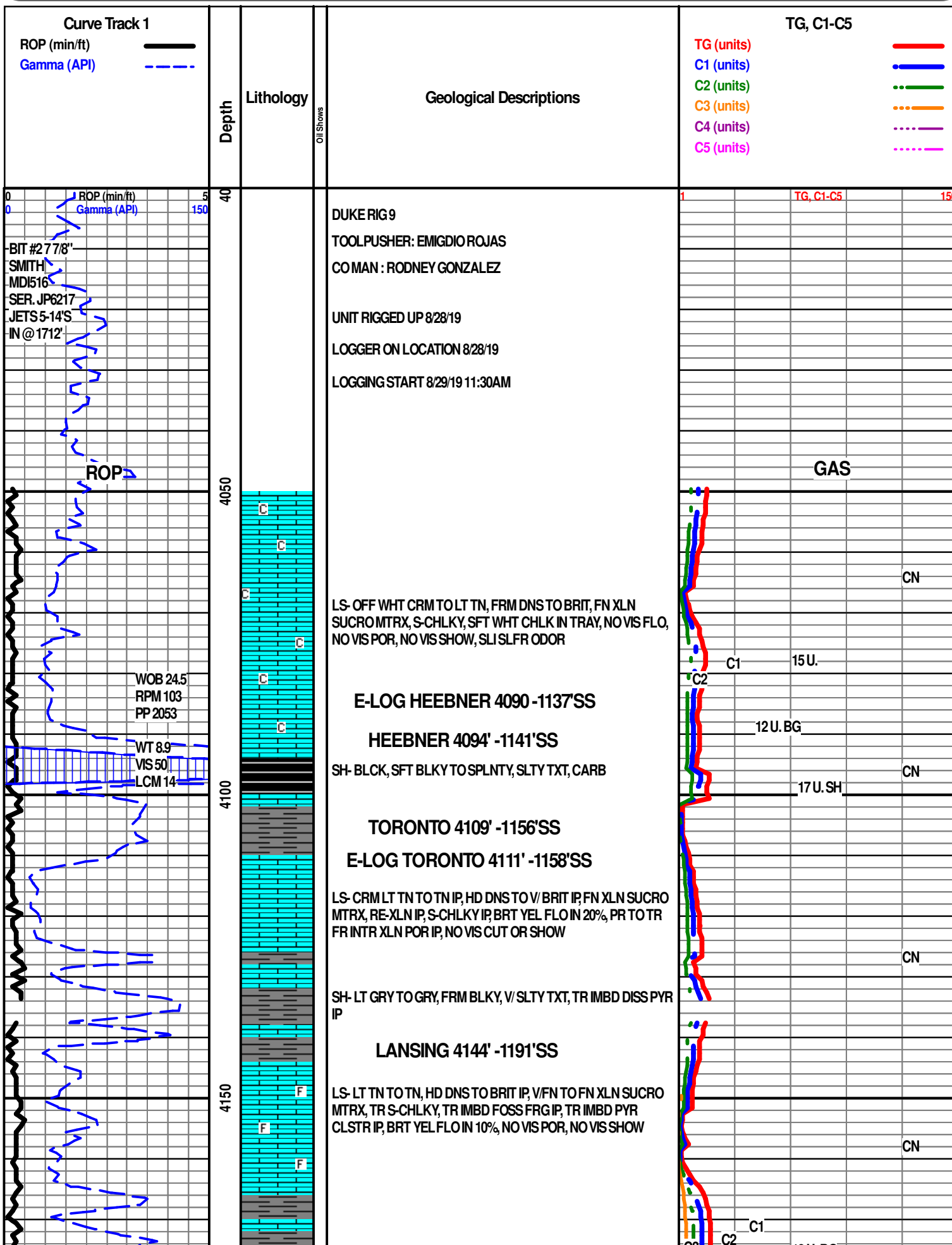
- Even
- Spotted
- Ques
- Dead
- Gas show

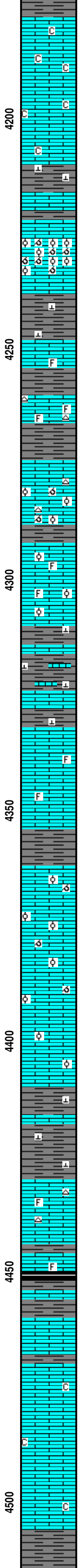
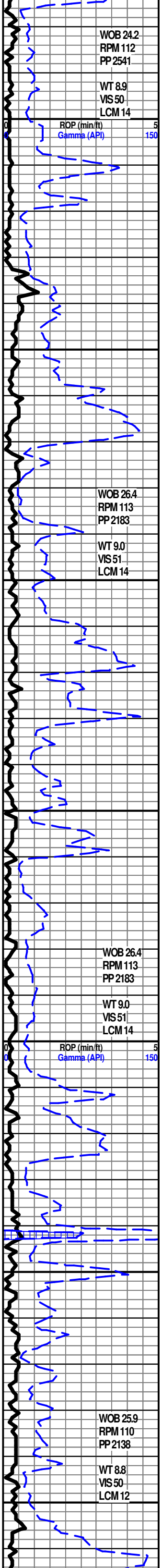
**INTERVALS**

- Core
- Dst
- Dst

**EVENTS**

- Rft
- Sidewall





LS- CRM LT TN TO DK TN, HD DNS TO BRIT IP, V/FN TO CRYPTO XLN, S-SUCRO, SFT WHT CHLK IN TRAY, DUL YEL FLO IN 30%, NO VIS POR, NO VIS SHOW

SH- LT GRY TO GRY, FRM BLKY, SMTH TO SLI SLTY TXT, CALC IP

LS- LT TN TO TN, HD DNS TO VBRIT, FN XLN SUCRO MTRX, V/ABDT IMBD OOL THRU, V/OOLCST THRU, DUL YEL FLO IN 35%, PR TO FR INTR OOL POR THRU, FR TO GD OOLCST POR THRU, NO VIS CUT OR SHOW

SH- LT GRY TO LT GRN, FRM BLKY, SMTH TO SLTY TXT, CALC IP

LS & SH INTRBD - LS-OFF WHT CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, S-CHLKY, SLI TR IMBD FOSS FRG IP, SLI TR WHT CHRT IN TRAY, SFT WHT CHLK IN TRAY, SH- LT GRY, FM BLKY, SLTY TXT, CALC THRU

LS- CRM TO LT TN, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, IMBD OOL IP, TR OOLCST IP, TR FRSTY TO LT TN CHRT IN TRAY, BRT YEL FLO IN 30%, PR INTR OOL POR IP, PR OOLCST POR IP, NO VIS SHOW

LS- LT TN TN TO GRY IP, FN XLN SUCRO MTRX, RE-XLN IP, TR IMBD FOSS FRG IP, TR IMBD OOL IP, OFF WHT TO LT TN CHRT IN TRAY, SFT WHT CHLK IN TRAY, BRT YEL FLO IN 20%, PR INTR OOL POR IP, NO VIS CUT OR SHOW

SH- GRY BRWN TO TN, HD TO FRM BLKY, SLTY TXT, CALC THRU, TR IMBD LT TN LS IP

LS- LT TN TO TN, HD DNS TO TR BRIT, FN TO MD XLN SUCRO MTRX, V/RE-XLN IP, TR IMBD FOSS FRG IP, CRM TO LT TN CHRT IN TRAY, BRT YEL FLO IN 25%, PR TO FR INTR XLN POR IP, PR MICRO PP POR IP, NO VIS SHOW

**IOLA 4361' -1408'SS**

LS- LT TN TN TO DK TN, HD DNS TO BRIT IP, V/FN TO FN XLN SUCRO MTRX, ABDT IMBD OOL THRU, OOLCST THRU, TR OFF WHT CHRT IN TRAY, ABDT SFT WHT CHLK IN TRAY, DUL YEL FLO IN 30%, PR TO FR INTR OOL POR SCAT THRU, PR TO FR OOLCST POR IP, NO VIS CUT OR SHOW

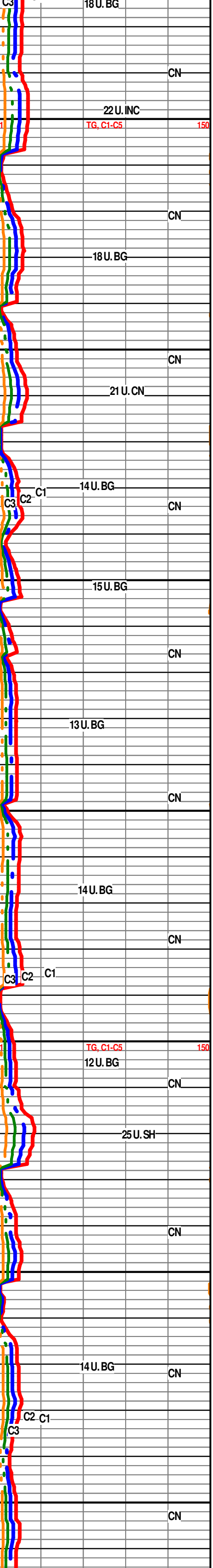
SH- LT GRY TO DK GRY, FRM BLKY, SLTY TXT, CALC IP

LS- CRM TO LT TN, HD DNS, V/FN TO FN XLN SUCRO MTRX, RE-XLN IP, TR IMBD FOSS FRG IP, OFF WHT TO LT TN CHRT IN TRAY, BRT YEL FLO IN 30%, PR INTR FOSS POR IP, NO VIS CUT OR SHOW

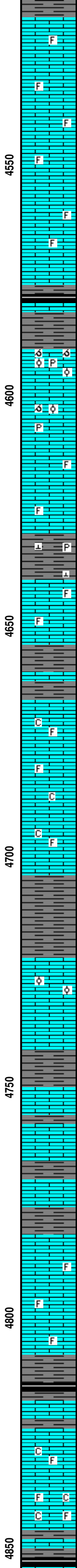
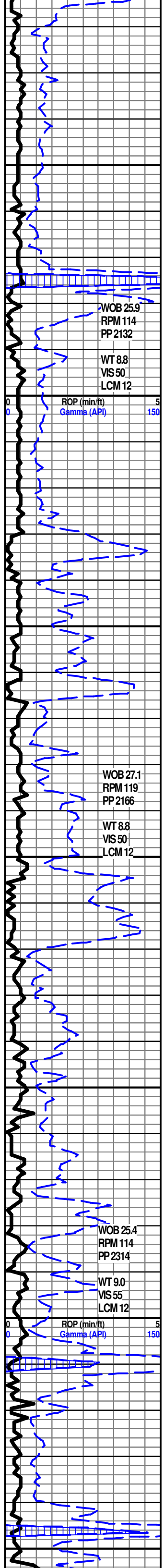
SH- GRY DK GRY TO TR BLCK, FRM BLKY, SMTH TO SLTY TXT, CARB IP

LS- CRM TO LT TN, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, TR OFF WHT TO LT TN CHRT IN TRAY, TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- LT GRY TO GRY, FRM BLKY, SMTH TXT







LS- CRM TO LT TN, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, S-CHLKY, TR IMBD FOSS FRG IP, SLI TR LT TN CHRT IN TRAY, DUL YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW

CN

LS- TN DK TN TO GRY, HD DNS, FN XLN MTRX, S-SUCRO, IMBD FOSS FRG SCAT IP, BRT YEL FLO IN 20%, NO VIS POR, NO VIS SHOW

CN

54 U. SH

**STARK 4576' -1623'SS**

SH- BLCK, SFT BLKY, SLTY TXT, CARB

**E-LOG SWOPE 4583' -1630'SS**

**SWOPE 4587' -1634'SS**

4589'4592' LS- LT TN TO TN, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, IMBD OOL SCAT IP, OOLCST IP, TR IMBD PYR CLSTR, DUL YEL GLD FLO IN 10%, BRT YEL FLO IN 20%, PR INTR OOL POR IP, PR TO FR OOLCST POR IP, FR RING CUT ON DISH

CN

TG 19 U. INC

150

LS- LT TN TO LT GRY, HD DNS TO BRIT, FN XLN SUCRO MTRX, TR IMBD FOSS FRG IP, V/SLI TR IMBD CALC XLS IP, NO VIS BRT YEL FLO IN 20%, NO VIS POR, NO VIS SHOW

CN

46 U. SH

**HUSHPUCKNEY 4630' -1677'**

SH- LT GRN GRY DK GRY TO TR BLCK, FRM BLKY, V/SILTY TO SMTH TXT, CARB IP, CALC IP, TR IMBD PYR IP

LS- CRM TO LT TN, HD TO FRM DNS TO BRIT, FN XLN CHLKY MTRX, S-SUCRO IP, TR IMBD FOSS FRG IP, DUL YEL FLO IN 20%, NO VIS POR, NO VIS SHOW

CN

LOW PUMP RATE

MUD LEVEL LOW

LS- CRM LT TN TO TN, HD DNS TO VBRIT, FN XLN SUCRO MTRX, S-CHLKY, RE-XLN IP, TR IMBD FOSS FRG IP, TR SFT WHT CHLK IN TRAY, BRT YEL FLO IN 15%, NO VIS POR, NO VIS SHOW

C3 C2 C1

18 U. BG

CN

23 U. INC

SH- GRY TO DK GRY, FRM BLKY, SLTY TXT, CALC THRU

**E-LOG MARM 4718' -1765'SS**

**MARMATON 4722' -1769'**

LS- CRM LT TN TO TN, HD DNS TO TR BRIT, FN XLN SUCRO MTRX, ABDT IMBD OOL SCAT THRU, OOLCST SCAT THRU, DUL YEL GLD FLO IN 30%, PR INTR OOL POR IP, PR TO FR OOLCST POR IP, NO FLSH CUT OR SLOW STRM, V/PR RING CUT ON DISH

CN

32 U. POSS SHOW

CN

39 U. SHOW

4771'-4773'LS- OFF WHT CRM TO TN (DUE TO OIL STN IN 30%), HD DNS TO BRIT IP, V/FN TO FN XLN MTRX, S-SUCRO IP, DUL YEL GLD FLO IN 20%, PR MICRO PP POR IP, POSS FRCT POR, NO FLSH CUT, PR TO FR MLKY BLU SLW STRM IN 30%, NO OIL ODOR

22 U. BG

CN

LS- CRM LT TN TO TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, S-CHLKY IP, IMBD FOSS FRG SCAT IP, SFT WHT CHLK IN TRAY, BRT YEL FLO IN 10%, PR INTR XLN POR IP, NO VIS CUT OR SHOW

C3 C2 C1

TG, C1-C5

62 U. SH

150

**E-LOG PAWNEE 4813' -1860'SS**

**PAWNEE 4815' -1862'SS**

SH- DK GRY TO BLCK, SFT BLKY, SMTH TO SLTY TXT CARB

CN

26 U. CN

LS- OFF WHT TO CRM, HD DNS TO BRIT, FN XLN SUCRO MTRX, S-CHLKY, IMBD FOSS FRG IP, SFT WHT CHLK IN TRAY, DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

13 U. BG

62 U. SH

CN

CHEROKEE 4864' -1911'SS

(ONE ROCK) LS- CRM LT TN TO TN (DUE TO OIL STN IN 20%), HD DNS TO BRIT, FN XLN SUCRO MTRX, IMBD OOL THRU, DUL YEL GLD FLO IN 20%, PR INTR GRN POR IP, PR MICRO PPOR IP, NO FLSH CUT, V/WK MLKYBLU SLW STRM IN 20%, PR RING CUT ON DISH

LS & SH INTRBDS- LS- LT TN TO TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, IMBD OOL THRU, TR IMBD FOSS FRG IP, TR FRSTY LT TN TO TN CHRT IN TRAY, DUL YEL FLO IN 20%, PR MICRO PPOR IP, TR PR INTR OOL POR IP, NO VIS CUT OR SHOW

LS & SH INTERBDS- LS- LT TN TO GRY, HD DNS, FN XLN SUCRO MTRX, TR IMBD FOSS FRG IP, LT TN CHRT IN TRAY, BRT YEL FLO IN 30%, PR INTR XLN POR IP, NO VIS CUT OR SHOW; SH- LT GRY DK GRY TO TR BLCK IP, FRM BLKY, SLTY TO SMTH TXT

SH- DK GRY TO BLCK, FRM BLKY TO SFT SPLNTY, SILTY TXT, CARB IP

LS & SH INTRBDS- LS- CRM LT TN TO TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, RE-XLN IP, IMBD OOL SCAT IP, TR IMBD FOSS FRG IP, BRT YEL FLO IN 15%, PR INTR XLN POR IP, NO VIS CUT OR SHOW; SH- GRY TO DK GRY, FRM BLKY, SMTH TO SILTY TXT, TR IMBD OFF WHT LS IP

LS- LT TN TO TN (DUE TO OIL STN IN 5%), HD DNS TO BRIT, FN XLN SUCRO MTRX, IMBD FOSS FRG SCAT IP, TR IMBD OOL IP, TR TN CHRT IN TRAY, DUL YEL GLD FLO IN 20%, V/PR INTR FOSS POR IP, NO FLSH CUT, V/PR MLKYBLU SLW STRM, FR RING CUT ON DISH

LS- CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, TR IMBD OOL IP, SLI TR IMBD PYR, DUL YEL FLO IN 20%, PR INTR XLN POR, PR MICRO PPOR, NO VIS CUT OR SHOW

E-LOG ATOKA 5072' -2119'SS

SH- GRY DK GRY TO BLCK, SMTH TO SLTY TXT, CARB IP

SH- BRWN TO GRY, FRM BLKY, SLTY TXT, CALC IP

MORROW 5117' -2164'SS

E-LOG MORROW 5123' -2169'SS

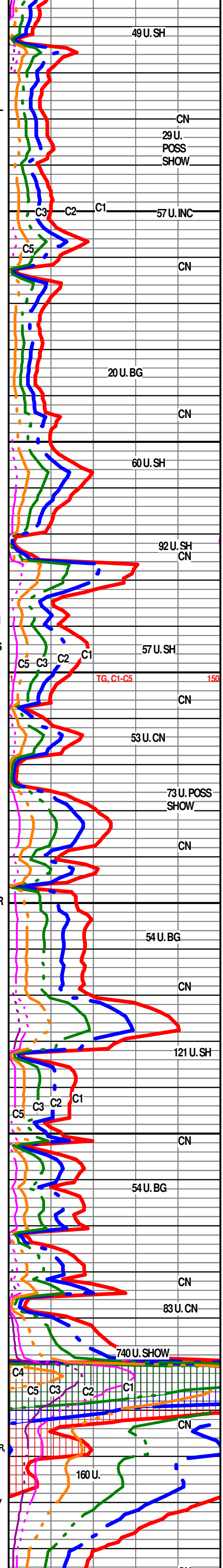
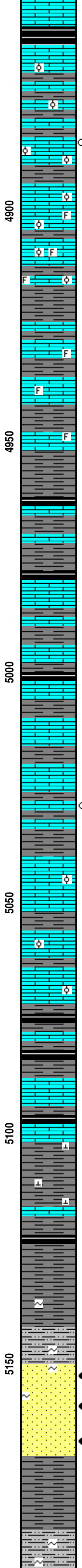
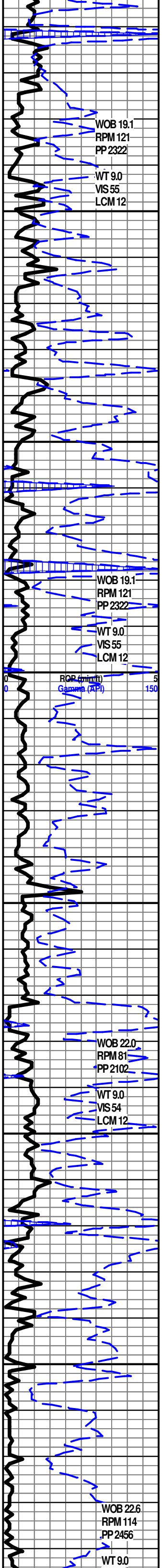
SH- GRY LT GRN TO GRN, FRM BLKY, SMTH TXT, TR IMBD GLAUC IP

5151'-5159' SS- TN, DK TN TO DK BRWN (DUE TO OIL STN THRU), LOS IN 15%, HD TT TO FRI, ABDT FN TO SM S-ANG TO S-RND QRTZ GRNS, WLL SRT, SIL CMNT, TR IMBD GLAUC IP, DUL YEL GLD FLO IN 75%, GD TO V/GD INTR GRN POR THRU, V/GD FLSH CUT, V/GD TO EXCL MLKY BLU SLW STRM THRU, GD RING CUT ON DISH, WK OIL ODOR, FREE OIL FLOATING IN TRAY, DK TN LCH ON DISH

5160'-5170' SS- DK TN TO DK BRWN (DUE TO OIL STN THRU) HD TT TO FRI IP, ABDT FN TO SM S-ANG TO S-RND QRTZ GRNS, WLL SRT, SIL TO CALC CMNT IP, V/DUL YEL GLD FLO IN 80%, FR TO GD INTR GRN POR THRU, V/GD FLSH CUT, V/GD TO EXCL SLW STRM THRU, V/GD RING CUT ON DISH, WK OIL ODOR, DK TN LCH ON DISH

SH- GRY TO DK GRY, FRM BLKY TO SFT GMMY, SMTH TO SLTY TXT

SLTSTN- LT TN TO GRY, HD TT TO TR FRI, ABDT V/FN TO FN S-RND QRTZ GRNS, TR IMBD GLAUC, NO VIS FLO, PR TO FR INTR GRN POR THRU, NO VIS CUT OR SHOW



49 U. SH
CN
29 U. POSS SHOW
57 U. INC
CN
20 U. BG
CN
60 U. SH
92 U. SH CN
57 U. SH
CN
53 U. CN
73 U. POSS SHOW
CN
54 U. BG
CN
121 U. SH
CN
54 U. BG
740 U. SHOW
CN
83 U. CN
160 U.

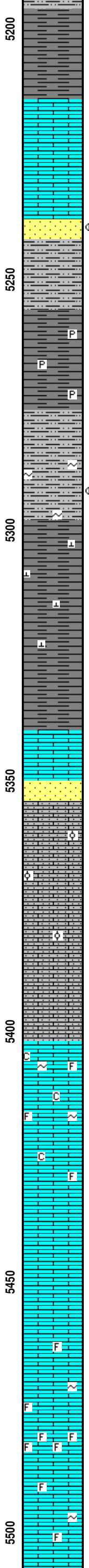
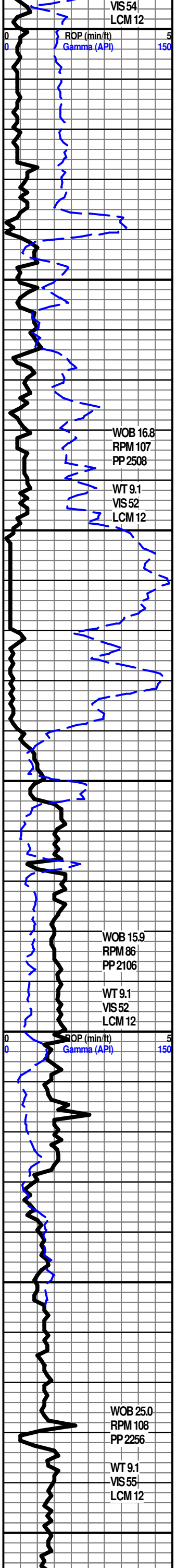
WOB 19.1
RPM 121
PP 2322
WT 9.0
VIS 55
LCM 12

WOB 19.1
RPM 121
PP 2322
WT 9.0
VIS 55
LCM 12

WOB 22.0
RPM 81
PP 2102
WT 9.0
VIS 54
LCM 12

WOB 22.6
RPM 114
PP 2456
WT 9.0

ROP (min/ft)
Gamma (API)



**E-LOG CHESTER 5195' -2242'SS**  
 SH- GRY TO DK GRY, FRM BLKY TO SPLNTY, SMTH TO SLTY TXT

5248'-5251' SS- CRM TO TN (DUE TO OIL STN IN 80%), HD TT TO FRI IP, ABDT V/FN TO FN S-RND TO RND QRTZ GRNS, WLL SRT, CALC CMNT, V/DUL YEL GLD FLO IN 20%, PR TO FR INTR GRN POR THRU, NO VIS FLSH CUT, PR MLKY BLU SLW STRM THRU, GD RING CUT ON DISH, NO OIL ODOR

SLTSTN- OFF WHT TO LT GRY, HD DNS, ABDT IMBD V/FN TO FN QRTZ GRNS, IMBD GLAUC IP, V/ CALC THRU, NO VIS FLO, PR INTR GRN POR THRU, NO VIS CUT OR SHOW

SH- GRY DK GRY ORNG PINK TO VIOL, FRM BLKY TO SFT CRMBL, SMTH TXT, TR IMBD DISS PYR IP

SLTSTN- GRY TO TN (DUE TO OIL STN IN 30%) HD TT, V/FN TO FN QRTZ GRNS THRU, TR IMBD GLAUC IP, CALC THRU, DUL YEL GLD FLO IN 20%, PR INTR GRN POR THRU, PR FLSH CUT, PR MLKY BLU SLW STRM IN 30%, FR RING CUT ON DISH

SH- LT GRY DK GRY BRWN TO RED, FRM BLKY TO SFT GMMY, SILTY TO SMTH TXT, CALC IP

SH- LT GRY DK GRY TN BRWN TO RED, FRM BLKY TO SFT GMMY, SILTY TO SMTH TXT, CALC IP

**E-LOG ST GEN 5341' -2388'SS**  
 SS- CLR TO OFF WHT, HD DNS TO V/ FRI, ABDT V/FN TO FN S-ANG TO S-RND QRTZ GRN, FR SRT, BRT YEL FLO IP, FR TO GD INTR GRN POR, NO VIS CUT OR SHOW

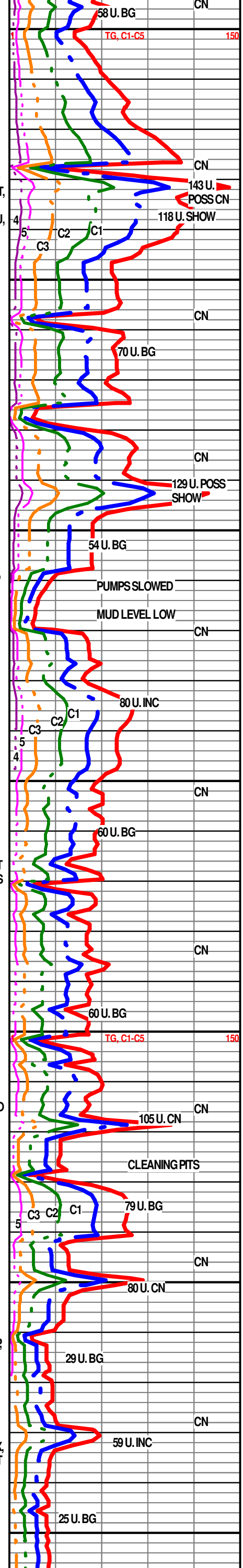
**ST GEN. 5354' -2401'SS**  
 LS- OFF WHT, HD DNS TO V/ BRIT, FN XLN CHLKY MTRX, ABDT IMBD V/FN QRTZ GRNS THRU, IMBD MICRO OOL THRU, NO VIS FLO, PR INTR GRN POR SCAT THRU, PR INTR OOL PRO SCAT THRU, NO VIS CUT OR SHOW

LS- LT TN TO TN, HD DNS TO V/ BRIT, FN XLN SUCRO MTRX, S-CHLKY, TR IMBD FOSS FRG IP, SLI TR IMBD GLAUC IP, ABDT SFT WHT CHLK IN TRAY, NO VIS FLO, PR INTR FOSS POR IP, NO VIS CUT OR SHOW

LS- LT TN TO TN, FRM TO BRIT, FN XLN SUCRO MTRX, S-CHLKY, IMBD FOSS FRGS SCAT THRU, NO VIS FLO, PR INTR XLN POR IP, PR INTR FOSS POR IP, NO VIS CUT OR SHOW

LS- LT TN TN TO DK TN, HD DNS TO V/ BRIT, FN XLN SUCRO MTRX, S-CHLKY, TR IMBD FOSS FRG IP, SLI TR IMBD GLAUC IP, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS CUT OR SHOW

LS- CRM LT TN TO TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, S-CHLKY, ABDT IMBD FOSS FRG IP, SLI TR GLAUC IP, SFT WHT CHLK IN TRAY, NO VIS FLO, PR INTR FOSS POR, PR INTR XLN POR IP, NO VIS CUT OR SHOW



TD@5509'  
 LTD@5510'  
 3:00PM

R.T.D. @5509' 6:10 AM 8/30/19  
 CTCH  
 SHORT TRIP  
 CTCH  
 TOFL  
 HALIBURTON

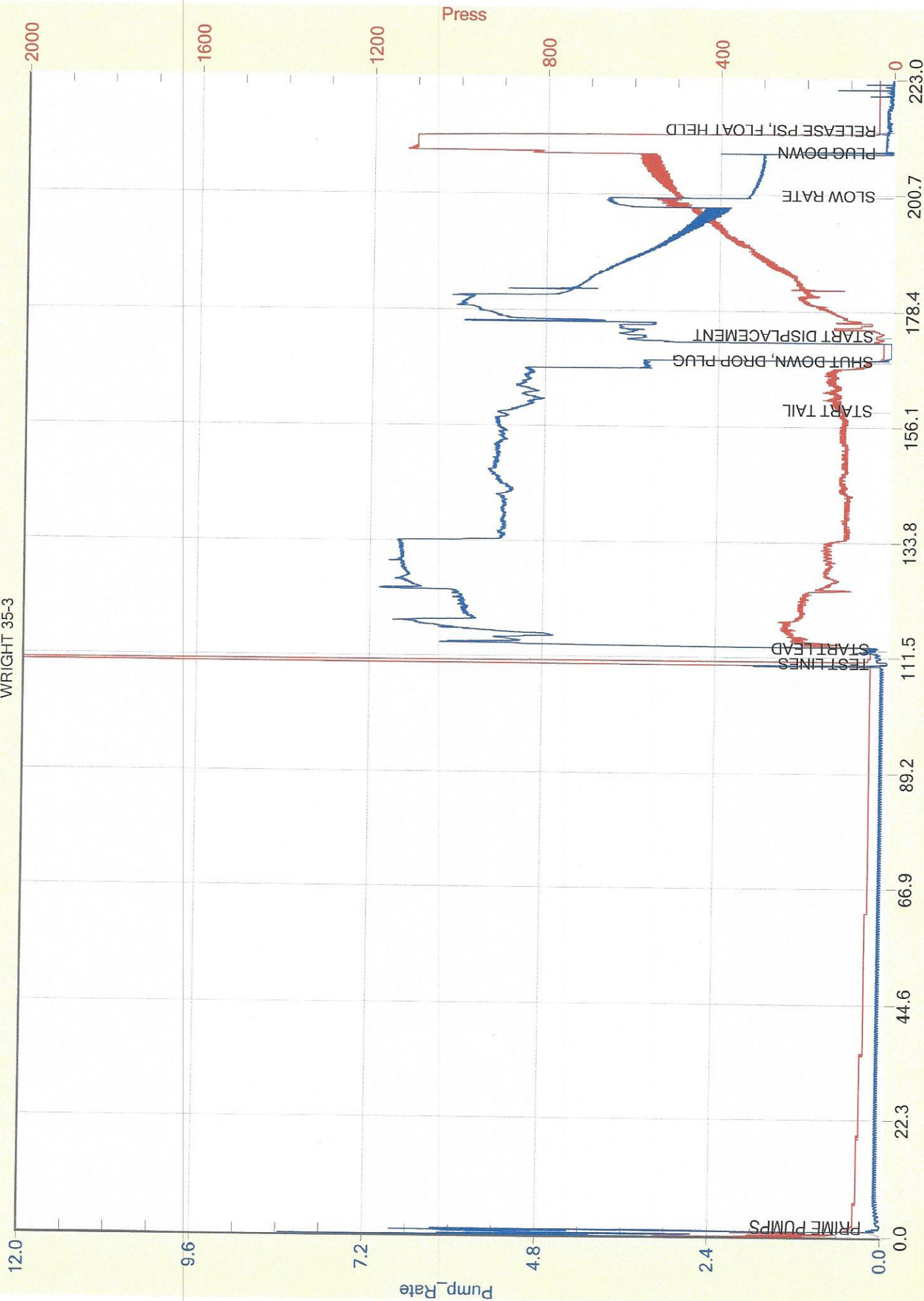
TD@ 5509'  
 SAMPLES WILL BE DELIVERED TO KGS  
 THANK YOU FOR CHOOSING EARTH TECH  
 AARON SUELTER







MERIT  
WRIGHT 35-3









Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

**PRESSURE PUMPING** Job Log

|                    |                                   |                  |                               |                   |                                  |
|--------------------|-----------------------------------|------------------|-------------------------------|-------------------|----------------------------------|
| Customer:          | Merit Energy                      | Cement Pump No.: | 37223 19572 10HRS             | Operator TRK No.: | 78868                            |
| Address:           | sublette.invoices@meritenergy.com | Ticket #:        | 1718 19684 L                  | Bulk TRK No.:     | 14354 19808 Corey<br>14354 19808 |
| City, State, Zip:  | AFE # 64247                       | Job Type:        | Z-42 Cement Production Casing |                   |                                  |
| Service District:  | 1718-Liberal KS                   | Well Type:       | OIL                           |                   |                                  |
| Well Name and No.: | Wright # 35-3                     | Well Location:   | 35-27S-33W                    | County:           | Haskell                          |
|                    |                                   |                  |                               | State:            | Kansas                           |

| Type of Cmt   | Sacks | Additives  | Truck Loaded On   |       |      |
|---------------|-------|--|-------------------|-------|------|
| Class C 50/50 | 300   | 6%Gypsum, 10%Salt, .5%C-17, 1/4#Defoamer, 5# Gilsonite, 1/4#Celloflake | 14354 19808 Corey | Front | Back |
|               |       |  | 14354 19808       | Front | Back |
|               |       |  |                   | Front | Back |

| Lead/Tail:   | Weight #1 Gal. | Cu/Ft/sk | Water Requirements | CU. FT. | Man Hours / Personnel |    |
|--------------|----------------|----------|--------------------|---------|-----------------------|----|
| <b>Lead:</b> | 13.6           | 1.57     | 7.18               | 471     | TT Man Hours:         | 34 |
| <b>Tail:</b> |                |          |                    |         | # of Men on Job:      | 3  |

| Time (am/pm) | BPM | Volume (BBLs) | Pumps |   | Pressure(PSI) |        | Description of Operation and Materials                                   |
|--------------|-----|---------------|-------|---|---------------|--------|--|
|              |     |               | T     | C | Tubing        | Casing |  |
| 2:45am       |     |               |       |   |               |        | Arrived at location  |
| 3:00am       |     |               |       |   |               |        | Spot Trucks/Rig Up   |
| 6:45am       |     |               |       |   |               |        | Safety meeting   |
| 7:10am       |     |               |       |   |               | 2500   | Pressure test lines to 2500psi   |
| 7:12am       | 3   | 12            |       |   |               | 300    | Pump 12bbls of mud flush spacer  |
| 7:25am       | 3   | 13.9          |       |   |               | zero   | Pump 13.9bbls of cement from 50sks to fill rat and mouse hole at 13.6lbs |
| 7:45am       | 5   | 69.9          |       |   |               | 350    | Pump 69.9bbls of cement from 250sks at 13.6lbs                           |
| 8:07am       |     |               |       |   |               |        | Shut down/Drop plug/Wash pump and lines to pit                           |
| 8:15am       |     |               |       |   |               |        | Start displacement of 126.5bbls with H2O/4%KCL                           |
| 8:20am       | 5   | 20            |       |   |               | 90     | 20bbls gone  |
| 8:23am       | 5   | 40            |       |   |               | 120    | 40bbls gone  |
| 8:27am       | 5   | 60            |       |   |               | 350    | 60bbls gone  |
| 8:31am       | 5   | 80            |       |   |               | 650    | 80bbls gone  |
| 8:35am       | 5   | 100           |       |   |               | 1100   | 100bbls gone   |
| 8:37am       | 5   | 126.5         |       |   |               | 2500   | Bump plug/Hold for 3 minutes   |
| 8:40am       |     |               |       |   |               |        | Release pressure to check if float holds                                 |
| 8:41am       |     |               |       |   |               |        | Pressure test casing for 15 minutes with 1600psi                         |
|              |     |               |       |   |               |        | Rig down/Job completed   |
|              |     |               |       |   |               |        | Thanked company man and rig crew   |

|                 |           |       |      |            |              |              |       |
|-----------------|-----------|-------|------|------------|--------------|--------------|-------|
| Size Hole       | 7 7/8     | Depth | 5509 |            | TYPE         | Float Collar |       |
| Size & Wt. Csg. | 5 1/2 17# | Depth | 5499 | New / Used | Float Collar | 5455.94      | Depth |
| Landing psi     | 1000+     | Depth |      |            | Retainer     |              | Depth |
| Shoe Joint      | 43.06     | Type  |      |            | Perfs        |              | CIBP  |

|                     |                       |                         |
|---------------------|-----------------------|-------------------------|
| Customer Signature: | Basic Representative: | Victor A. Corona        |
|                     | Basic Signature:      | <i>Victor A. Corona</i> |
|                     | Date of Service:      | 8/31/2019               |

# Pumping Order / Mixture

Client: Merit Energy  
Date: 8/31/2019  
Job: 5 1/2 Production

Well Name & No: Wright 35-3  
Location Supervisor: Victor A. Corona  
COMPANY REP. Rodney Gonzales

Differential Pressure 745 psi  
Lift Pressure: 500 psi

## Recipe

Pressure Test PSI: 2500

MAX PSI: 1500

**12 BBLs OF MUD FLUSH SPACER**

**13 BBLs CEMENT R&M YIELD 1.57 13.6 LBS**

**50SKS 7.18G/SK**

**69 BBLs TAIL SLURRY YIELD 1.57 13.6 LBS**

**250SKS 7.18G/SK**

**DROP PLUG/WASH PUMP ON TO PIT**

**126.0 BBLs OF DISPLACEMENT**

**116.0 BBLs @ 5 BPM**

**10.0 BBLs AT 2-3 BPM TO BUMP PLUG**

**DISP PLUG WITH 126 BBLs OF H2O/4%KCL**

# Cement Callsheet



|             |                                   |                    |                |                        |   |
|-------------|-----------------------------------|--------------------|----------------|------------------------|---|
| Company     | <b>Merit Energy</b>               |                    | Service Point  | <b>Liberal, Kansas</b> |   |
| Well Type   | Contractor                        | Duke 9             | Contact Person | <b>Tyce Davis</b>      | Ph # <b>620-388-3779</b>                  |
| Lease       | <b>Wright</b>                     | Well # <b>35-3</b> | Sec            | <b>35</b>              | County <b>Haskell</b> State <b>Kansas</b> |
| Directions: | Range <b>27S</b> Range <b>33W</b> |                    |                |                        |   |

Sublette: Jct 83 & 56; If Dry; North on 83 to CR 60; 1.1 miles west to rig; If Wet; North on 83 to CR 70; 1 Mile west to CR LL; 1 mile north; 0.1 mile west to rig

|           |                                  |                        |              |                  |              |             |           |
|-----------|----------------------------------|------------------------|--------------|------------------|--------------|-------------|-----------|
| Job Type  | <b>Production</b>                | Casing Size            | <b>5 1/2</b> | Thread           | <b>8 Rnd</b> | Weight      | <b>17</b> |
| Equipment | <b>1 Pump Truck 1 Bulk Truck</b> | Tubing/Drill Pipe Size |              | Thread           |              | Weight      |           |
| AFE #:    |                                  | Hole Size              | <b>7 7/8</b> | Packer           |              | Bridge Plug |           |
|           |                                  | Plug Container         | <b>Yes</b>   | Squeeze Manifold |              | Field Bin   |           |

**Production: Use 50sks of tail cement to plug Rat & Mouse; Cement Casing With 250 sks; Displace with 4% KCL: Take 13 3/8 Swedge for next well**

### CEMENT DATA

| LEAD 1           | Weight PPG   | Type                 | Additives    |  |
|------------------|--------------|----------------------|--------------|--|
| Sacks            | Excess       | Yield Ft/sk          | Water Gal/sk |  |
| <b>TAIL 1</b>    |              |                      |              |  |
| <b>BC133</b>     | <b>13.60</b> | <b>Class C 50/50</b> |              | <b>6% Gypsum, 10% Salt, .5% C-17, 1/4# Defoamer, 5# Gilsonite, 1/4# Celloflake</b> |
| <b>300</b>       | <b>30%</b>   | <b>1.57</b>          | <b>7.18</b>  |  |
| <b>LEAD 2</b>    |              |                      |              |  |
| <b>TAIL 2</b>    |              |                      |              |  |
| <b>Mouse/Rat</b> |              |                      |              |  |
| <b>Plugs</b>     |              |                      |              |  |

### Float Equipment

| Part # | Quantity | Description                    | # Used | # Returned |
|--------|----------|--------------------------------|--------|------------|
| CF851  | 1        | 5 1/2" Float Shoe(Blue)        |        |            |
| CF951  | 1        | 5 1/2" Float Collar(Blue)      |        |            |
| CF1751 | 20       | Centralizer, 5 1/2" (Blue)     |        |            |
| CF103  | 1        | Top Rubber Cement Plug, 5 1/2" |        |            |

### Misc. Chemicals

|       |     |              |  |  |
|-------|-----|--------------|--|--|
| CC151 | 500 | Mud Flush    |  |  |
| C718  | 26  | Clayplex 650 |  |  |

|                           |                 |                           |       |               |
|---------------------------|-----------------|---------------------------|-------|---------------|
| Ordered By                | <b>Luke Lau</b> | Phone <b>972-628-1680</b> | Fax   | Date of Job   |
| Call Taken By             | <b>Max Ball</b> | Phone <b>620-675-5025</b> | Email | Time Ready    |
| Operator or Driver Called |                 |                           |       | Call Out Time |

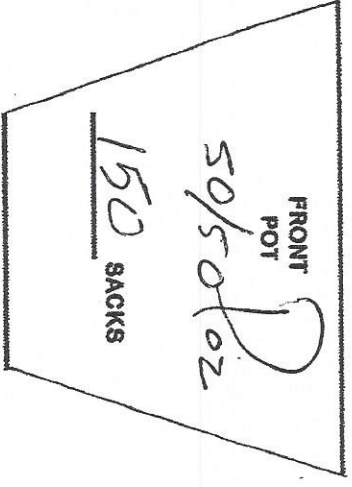
DATE

8-30-2019

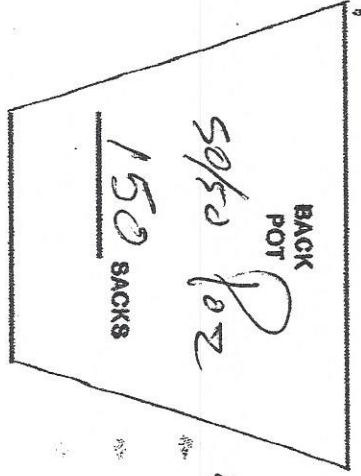
COMPANY  
LEASE

Merit  
Wright Well # 35-3

**DIRECTIONS**



14354



19808

Hours to Load Truck

\_\_\_\_\_

\_\_\_\_\_