

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)</i> <i>(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	Merit Energy Company, LLC
Well Name	FLORA MEREDITH 1-10
Doc ID	1462793

All Electric Logs Run

ANNULAR HOLE VOLUME LOG 5 CASING
ARRAY COMPENSATED TRUE RESISTIVITY LOG 1
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2
ARRAY COMPENSATED TRUE RESISTIVITY LOG 5
BOREHOLE COMPENSATED SONIC ARRAY LOG
MICROLOG
QUAD COMBO LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	FLORA MEREDITH 1-10
Doc ID	1462793

Tops

Name	Top	Datum
HEEBNER	4101	
LANSING	4197	
KANSAS CITY	4734	
MARMATON	4788	
PAWNEE	4906	
CHEROKEE	4968	
ATOKA	5137	
MORROW	5253	
CHESTER	5390	
ST GENEVIEVE	5537	





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

Well Name: Flora Meredith 1-10  
 Well Id:  
 Location: Sec. 10 T30S R33W, Haskell Co., Kansas  
 License Number: 15-081-22190-0000  
 Spud Date: April 4th, 2019  
 Surface Coordinates: 2186 FWL 2328 FSL  
 NW SW NE SW  
 Region: Wildcat  
 Drilling Completed: April 8th, 2019  
 Bottom Hole Coordinates:  
 Ground Elevation (ft): 2953' K.B. Elevation (ft): 2966'  
 Logged Interval (ft): 4050' To: 5650' Total Depth (ft): 5650'  
 Formation: Marmaton, 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

**ROCK TYPES**

Anhy	Gyp	Shgy	Sandylms
Bent	Igne	Sltst	Shale
Brec	Lmst	Ss	Sltstn
Cht	Meta	Till	Shlyslts
Clyst	Mrlst	Carb sh	Sltys
Coal	Salt	Dol	Lms
Congl	Shale	Dtd	
Dol	Shcol	Gry sh	

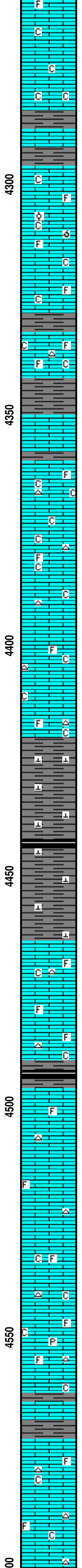
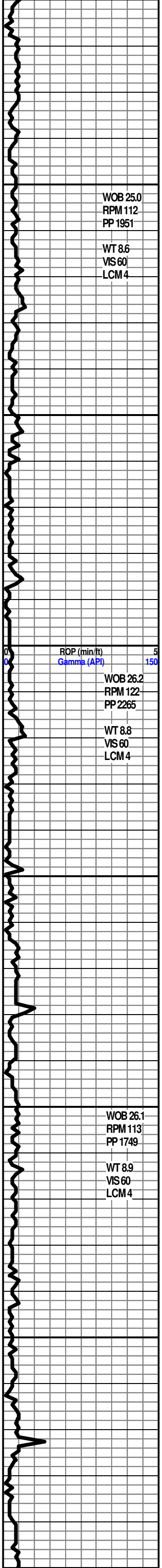
**ACCESSORIES**

<b>MINERAL</b>	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrn	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandylms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Sltstn
Carb	Sand	Strom	
Chtdk	Silty	Fuss	<b>TEXTURE</b>
Chtlt		Oomold	Boundst
Dol	<b>FOSSIL</b>	<b>STRINGER</b>	Chalky
Feldspar	Algae	Anhy	Cryxln
Ferrpel	Amph	Arg	Earthy
Ferr	Belm	Bent	Finexln
Glau	Bioclst	Coal	Grainst
Gyp	Brach	Dol	Lithogr
Hvymin	Bryozoa	Gyp	Microxln
Kaol	Cephal	Ls	Mudst
Marl	Coral	Mrst	Packst
Minxl	Crin	Sltstrg	Wackest
Nodule	Echin	Ssstrg	
Phos	Fish	Carbsh	
Pyr	Foram		

**OTHER SYMBOLS**

<b>POROSITY TYPE</b>	<b>SORTING</b>	Angular	<b>INTERVALS</b>
Earthy	Well	<b>OIL SHOWS</b>	Core
Fenest	Moderate	Even	Dst
Fracture	Poor	Spotted	Dst
Inter	<b>ROUNDING</b>	Ques	<b>EVENTS</b>
Moldic	Rounded	Dead	Rft
Organic	Subrnd	Gas show	Sidewall
Pinpoint	Subang		
Vuggy			





LS- OFF WHT TO CRM, SFT TO HD IP, FN XLN CHLKY MTRX, S-SUCRO, TR IMBD FOSS FRG IP, TR LT TN TO TN CHRT IN TRAY, DUL YEL FLO IN 10%, NO VIS POR, NO VIS SHOW

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

(VERY LITTLE MUD FLOW)  
LS- OFF WHT CRM LT TN TO TN, HD DNS TO SFT BRIT IP, FN TO MD XLN RE-XLN MTRX, S-SUCRO IP, S-CHLKY IP, TR IMBD FOSS FRG IP, TR FRSTY TO OFF WHT CHRT IN TRAY, SFT WHT CHLK IN TRAY, DUL YEL FLO IN 10%, PR INTR XLN POR IP, NO VIS CUT OR SHOW

**IOLA 4360' (-1394')**

LS- OFF WHT TO CRM, SFT TO FRM, FN XLN CHLKY MTRX, TR IMBD FOSS FRG IP, FRSTY TO OFF WHT CHRT SCAT IN TRAY, V/ ABDT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

(VERY LITTLE MUD FLOW)

LS- CRM LT TN TO TN, HD DNS TO FRM BRT, FN XLN MTRX, S-CHLKY, RE-XLN IP, TR IMBD FOSS FRG IP, SLI TR IMBD DISS PYR IP, OFF WHT TO TN CHRT IN TRAY, TR WTHRD CHRT, SFT WHT CHLK IN TRAY, DUL YEL FLO IN 20%, PR INTR XLN POR IP, NO VIS CUT OR SHOW

SH- TN GRY TO DK GRY, FRM BLKY, GRNY TO SLTY TXT, V/ CALC THRU

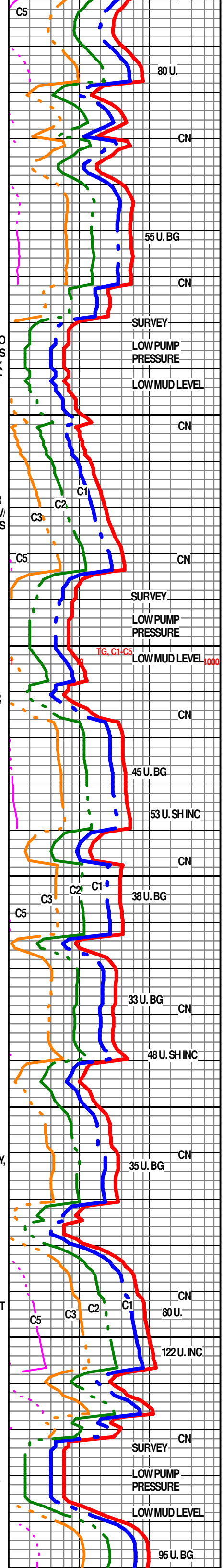
SH- BLK, SFT, SPLNTY TO BLKY, SLTY TXT, CARB

LS- OFF WHT TO LT TN, HD DNS TO FRM BRIT, FN TO MD XLN RE-XLN, S-SUCRO, TR IMBD FOSS FRG IP, TR LT TN TO TN CHRT IN TRAY, SFT WHT CHLK IN TRAY, DUL YEL FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

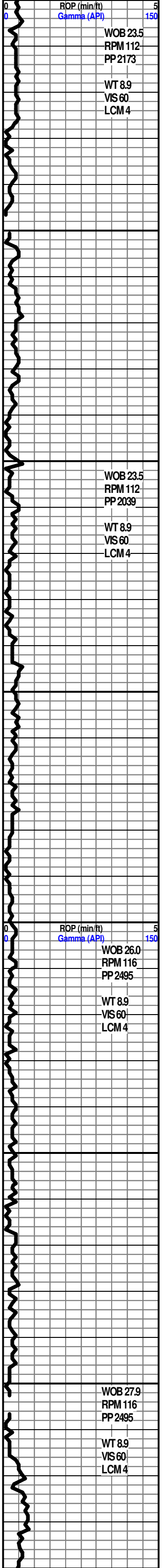
LS- CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, S-CHLKY IP, IMBD FOSS FRG IP, FRSTY TO LT TN CHRT IN TRAY, LT YEL FLO IN 10%, NO VIS POR, NO VIS SHOW

LS- LT TN TN TO DK TN, HD DNS TO BRIT IP, FN TO MD XLN RE-XLN MTRX, S-SUCRO, IMBD FOSS FRG SCAT IP, SLI TR IMBD PYR CLSTR IP, TR OFF WHT TO TN CHRT IN TRAY, TR SFT WHT CHLK IN TRAY, LT YEL FLO IN 20%, PR INTR XLN POR IP, TR PR INTR FOSS POR IP, NO VIS CUT OR SHOW

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





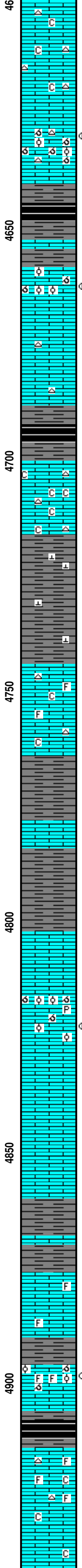


WOB 23.5  
RPM 112  
PP 2173  
WT 8.9  
VIS 60  
LCM 4

WOB 23.5  
RPM 112  
PP 2039  
WT 8.9  
VIS 60  
LCM 4

WOB 26.0  
RPM 116  
PP 2495  
WT 8.9  
VIS 60  
LCM 4

WOB 27.9  
RPM 116  
PP 2495  
WT 8.9  
VIS 60  
LCM 4



LS- CRM LT TN TO TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, S-CHLKY, ABDT FRSTY OFF WHT TO LT TN CHRT, SFT WHT CHLK IN TRAY, DUL YEL FLO IN 20%, PR MICRO PP POR IP, NO VIS CUT OR SHOW

4628'-4634' LS- LT TN TO TN (TN OIL STN IN 50%, HD DNS TO BRIT IP, V/FN TO FN XLN SUCRO MTRX, ABDT OOLCST/OOLMLD THRU, TR OOL IP, TR CALC XLS ON ONE FACES, ABDT OFF WHT TO LT TN CHRT IN TRAY, TR SFT WHT CHLK IN TRAY, DUL YEL GLD FLO IN 40%, BRT YEL GLD FLO IN 30%, FR TO GD OOLCST/OOLMLD POR SCAT THRU, POSS FRAC POR, PR TO FR FLSH CUT IN 40%, GD TO V/GD MLKY BLU SLW STRM IN 40%, GD RING CUT ON DISH, FR OIL ODOR

**STARK 4645' (-1679')**

4660'-4662' LS- LT TN (LT TN OIL STN 40%, HD DNS TO BRIT, FN XLN SUCRO MTRX, ABDT IMBD OOL THRU, OOLMLD/OOLCST THRU, BRT YEL FLO IN 60%, PR TO FR OLMLD/OOLCST POR THRU, PR TO FR INTR OOL POR SCAT IP, PR FLSH CUT IN 60%, PR TO FR MLKY BLU SLW STRM IN 60%, RING CUT ON DISH, FR OIL ODOR

**HUSHPUCKNEY 4691' (-1725')**

LS- CRM TO LT TN, FRM TO SFT, FN XLN CHLKY MTRX, RE-XLN IP, ABDT SFT WHT CHLK IN TRAY, TR FRSTY TO OFF WHT CHRT IN TRAY, BRT YEL FLO IN 20%, PR INTR XLN POR IP, NO VIS CUT OR SHOW

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

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

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

**MARMATON 4801' (-1835')**

4826'-4823' LS- CRM TO LT TN (NO VIS STAIN), HD DNS TO BRIT IP, FN XLN SUCRO MTRX, ABDT IMBD OOL THRU, OOLCST SCAT THRU, SLI TR IMBD DISS PYR IP, BRT YEL FLO IN 10%, PR INTR OOL POR IP, PR TO FR OOLCST POR IP, WK FLSH CUT IN 20%, PR TO FR SLW STRM IN 20%, FR RING CUT ON DISH, FR OIL ODOR

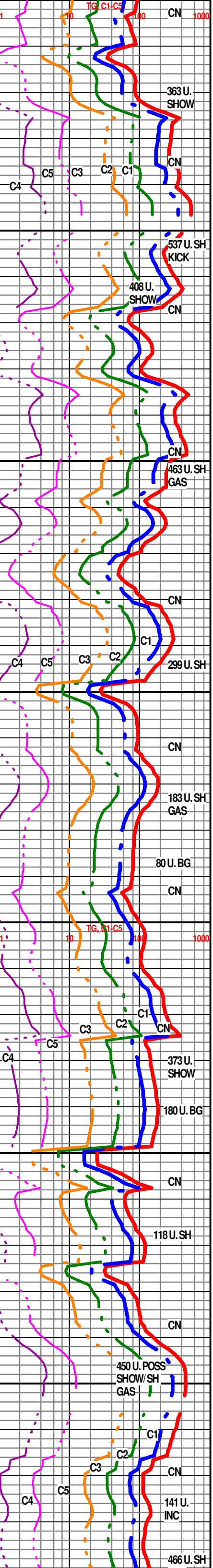
LS- LT TN TO TN, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, RE-XLN IP, DUL YEL FLO IN 5%, PR INTR XLN POR IP, NO VIS CUT OR SHOW

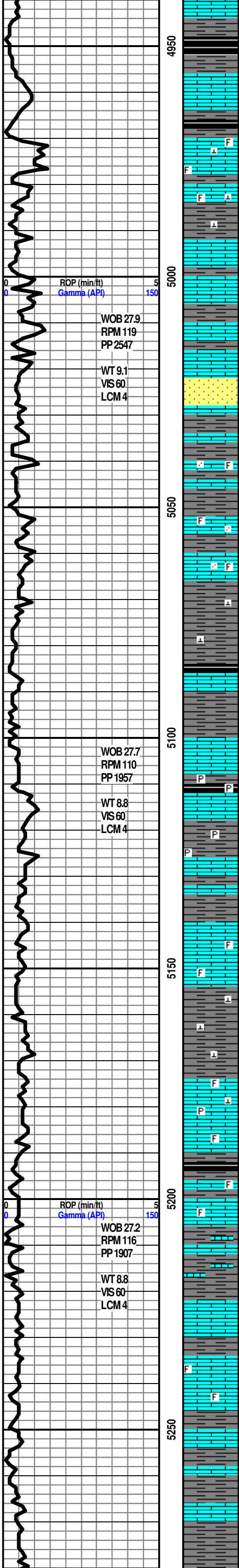
SH- GRY TO DK GRY, FRM BLKY, SLTY TXT

4897'-4901' LS- CRM LT TN TO TN (TN OIL STN IN 10%), HD DNS TO BRIT IP, FN XLN SUCRO MTRX, S-CHLKY IP, IMBD OOL IP, TR IMBD FOSS FRG IP, OOLMLD SCAT THRU, BRT YEL FLO IN 10%, PR INTR OOL POR IP, PR TO FR OOLMLD POR IP, NO FLSH CUT, V/WK SLW STRM IP, NO OIL ODOR

**PAWNEE 4908' (-1942')**

LS- LT TN TO TN, HD DNS, FN TO MD XLN RE-XLN MTRX, S-SUCRO, IMBD FOSS FRG SCAT THRU, TR OFF WHT TO LT TN CHRT IN TRAY, TR SFT WHT CHLK IN TRAY, DUL YEL FLO IN 20%, PR INTR FOSS POR IP, NO VIS CUT OR SHOW





SH- DK GRY TO BLCK, FRM, BLKY, SLTYTXT

**CHEROKEE 4964' (-1998')**

LS- CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCROMTRX, S-CHLKY IP, RE-XLN IP, TR IMBD FOSS FRG IP, TR IMBD CALC XLS IP, LT YEL FLO IN 25%, PR INTR XLN POR IP, NO VIS CUT OR SHOW

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

LS- CRM TO LT TN, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, TR IMBD FOSS FRG IP, DUL YEL FLO IN 15%, PR INTR FOSS POR IP, NO VIS CUT OR SHOW

5023'- 5028' SS- LT TN TO TN, TN OIL STN IN 80%, HD DNS TO FRI IP, ABDT V/FN TO FN ANG TO S-ANG QRTZ GRNS THRU, WLL SRT, CALC CMNT, TR IMBD PYR CLSRT IP, BRT YEL GLD FLO IN 70%, PR TO FR INTR GRN POR THRU, GD FLSH CUT, GD TO V/GD MLKY BLU SLWSTRM, GD RING CUT ON DISH, GD OIL ODOR

LS- LT TN TO TN, HD DNS, FN TO MD XLN RE-XLN MTRX, S-CHLKY IP, IMBD FOSS FRG IP, TR IMBD FN QRTZ GRNS IP, DUL YEL FLO IN 10%, PR INTR XLN POR IP, PR INTR GRN POR IP, NO VIS CUT OR SHOW

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

LS- LT TN TN TO GRY IP, HD DNS, FN XLN SUCROMTRX, RE-XLN IP, DUL YEL FLO IN 20%, PR INTR XLN POR IP, NO VIS CUT OR SHOW

SH- DK GRY TO BLKC, FRM SPLNTY, SMTH TO SLTY TXT, IMBD LMNT PYR IP

LS- CRM LT TN TO DK TN, HD DNS TO BRIT IP, FN TO MD XLN RE-XLN MTRX, S-CHLKY IP, IMBD FOSS FRG SCAT THRU, TR SFT WHT CHLK IN TRAY, DUL YEL FLO IN 20%, PR INTR FOSS POR IP, NO VIS CUT OR SHOW

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

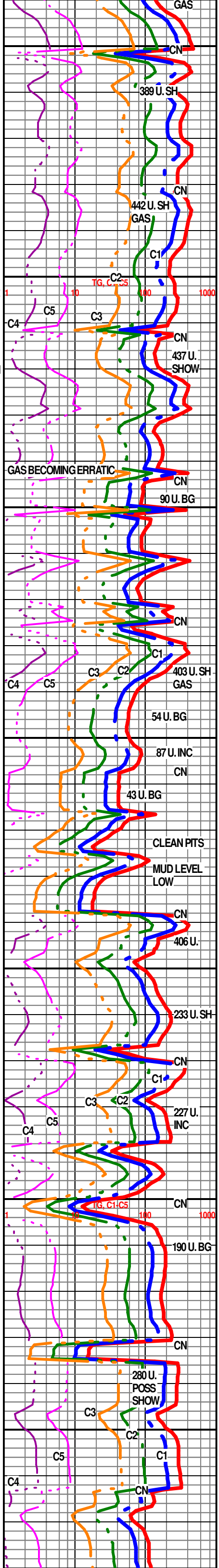
LS- LT TN TO TN, HD DNS TO BRIT IP, FN XLN SUCROMTRX, RE-XLN IP, S-CHLKY IP, TR IMBD FOSS FRG IP, IMBD CALC XLS IP, SLI TR IMBD DISS PYR IP, DUL YEL FLO IN 10%, PR INTR XLN POR IP, NO VIS CUT OR SHOW

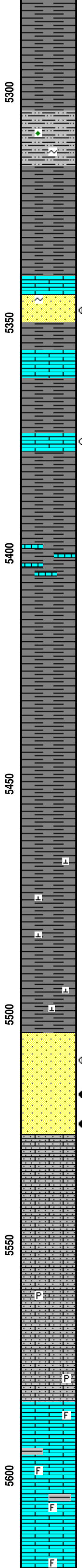
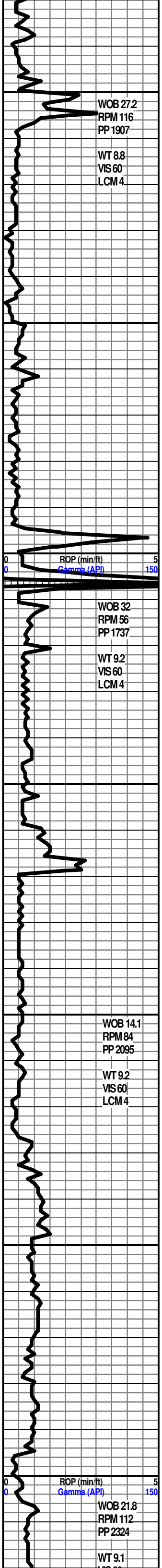
SH- GRY TO DK GRY, FRM BLKY, GRNY TO SILTY TXT, IMBD LS GRNS IP

5242'-5244' LS- LT TN TO GRY MOTT IP (NO VIS STN), HD DNS TO V/ BRIT IP, MD XLN RE-XLN MTRS, S-SUCRO IP, S-CHLKY IP, IMBD FOSS FRG IP, BRT YEL GLD FLO IN 5%, PR INTR FOSS POR IP, SLI TR MICRO VUG POR, NO VIS FLSH CUT, WK SLWSTRM CUT IN 5%, PR RING CUT ON DISH, NO OIL ODOR

**MORROW 5250' (-2284')**

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





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

SLTSTN- GRY TO DK GRY, FRM TO BRIT, ABTD IMBD V/FN QRTZ GRNS THRU, TR IMBD CHLOR OR GLAUC, NO VIS FLO, PR INTR GRN POR THRU, NO VIS CUT OR SHOW

5345'-5350' SS- LT TN TO TN (NO VIS STN), HD TT, V/FN TO FN ANG TO S-ANG QRTZ GRNS, WLL SRT, CALC CMNT TO SIL CMNT IP, SLI TR IMBD GLAUC, BRT YEL GLD FLO IN 60%, TT TO PR INTR GRN POR THRU, FR FLSH CUT, GD MLKY BLU SLW STRM IN 60%, GD LCH ON DISH, NO OIL ODOR

SH- LT GRY TO DK GRY, FRM TO SFT BLKY, SMTH TO GRNY TXT

5374'-5375' LS- TN TO DK TN (TN OIL STN IN 10%, HD DNS TO BRIT IP, FN TO MD XLN RE-XLN MTRX, S-SUCRO, ABTD IMBD OOL, IMBD FOSS FRG, DUL YEL GLD FLO IN 10%, PR INTR GRN POR IP, NO FLSH CUT, PR GSSYSLWSTRM

SH- GRY TO DK GRY, HD TO FRM BLKY, SLTY TO GRNYTXT, IMBD LT TN TO TN LS IP, IMBD DISS PYR SCAT IP

SH- LT GRY TO DK GRY, FRM TO SFT BLKY, SMTH TO GRNY TXT

SH- LT GRY GRY TO DK GRY, FRM BLKY TO SPLNTY, SMTH TO SLTY TXT, IMBD PYR CLSTR IP

SH- LT GRY GRY TO TN, FRM BLKY TO HD, SMTH TO GRNY TXT, ABTD IMBD CALC IP

5505'- 5512' SS- FRSTY TO LT TN (TN OIL STN IN 40%), HD TO V/ FRI, ABTD SM TO MD S-ANG TO S-RND QRTZ GRNS, FR SRT, SIL CMNT, TR CALC CMNT IP, BRT YEL GLD FLO IN 40%, FR TO GD INTR GRN POR THRU, FR FLSH CUT IN 50%, FR TO GD SLWSTRM IN 50%, GD LCH ON DISH, FR OIL ODOR

5513'-5527' SS- TN (TN OIL STN THRU, LOS IN 10-15%) FRM TO V/FRI, ABTD SM TO MD S-ANG TO S-RND QRTZ GRNS, FR SRT, SIL CMNT, BRT YEL GLD FLO THRU, EXLNT FLSH CUT, V/GD TO EXLNT SLWSTRM THRU, EXLNT RING CUT, GD OIL ODOR

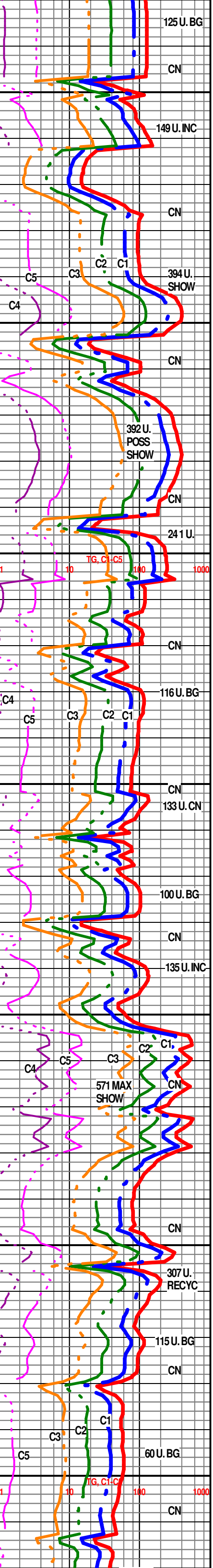
**ST GEN. 5527' (-2561')**

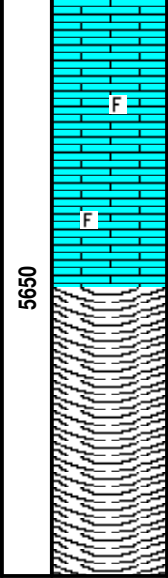
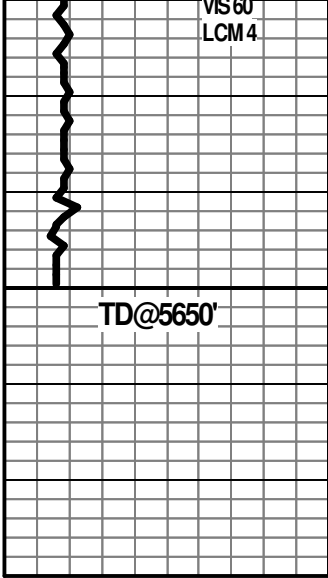
LS- OFF WHT TO CRM, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, S-CHLKY, ABTD IMBD V/FN TO FN QRTZ GRNS THRU, NO VIS FLO, PR INTR GRN POR IP, NO VIS CUT OR SHOW

LS- OFF WHT TO CRM, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, S-CHLKY, ABTD IMBD V/FN TO FN QRTZ GRNS THRU, TR IMBD PYR CLSTR IP, NO VIS FLO, PR INTR GRN POR IP, NO VIS CUT OR SHOW

**ST LOUIS 5584' (-2618)**

LS- CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, S-CHLKY, IMBD FOSS FRG SCAT IP, TR GRY TO DK GRY SH IN TRAY, NO VIS FLO, PR INTR FOSS POR IP, NO VIS CUT OR SHOW





LS- CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCROMTRX,  
S-CHLKY,IMBD FOSS FRG SCAT IP, NO VIS FLO, PR INTR FOSS  
POR IP, NO VIS CUT OR SHOW

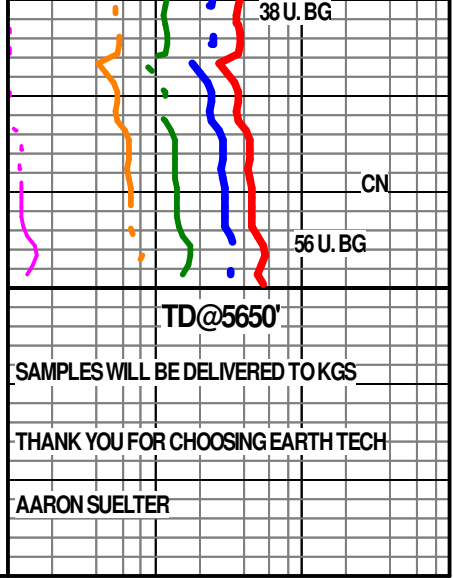
R.T.D. @5650' 2:30 AM 4/8/19

CTCH 1 HOUR

WIPER TRIP

CTCH

TOFL











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 6HRS	Operator TRK No.:	78938	
Address:	sublette.invoices@meritenergy.com	Ticket #:	1718 19409 L	Bulk TRK No.:	70897 37725 Corey	30464 37547
City, State, Zip:	AFE# 63309	Job Type:	Z42 - Cement Surface Casing			
Service District:	1718 - Liberal, Ks.	Well Type:	OIL			
Well Name and No.:	Flora Meredith 1-10	Well Location:	22,21S,35W	County:	Kearny	State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con Blend	470	3% Calcium Chloride, 1/2# Celloflake	70897 37725 Corey	Front	Back
Premium Plus Cement	165	3% Calcium Chloride, 1/4# Celloflake	30464 37547	Front	Back
				Front	Back

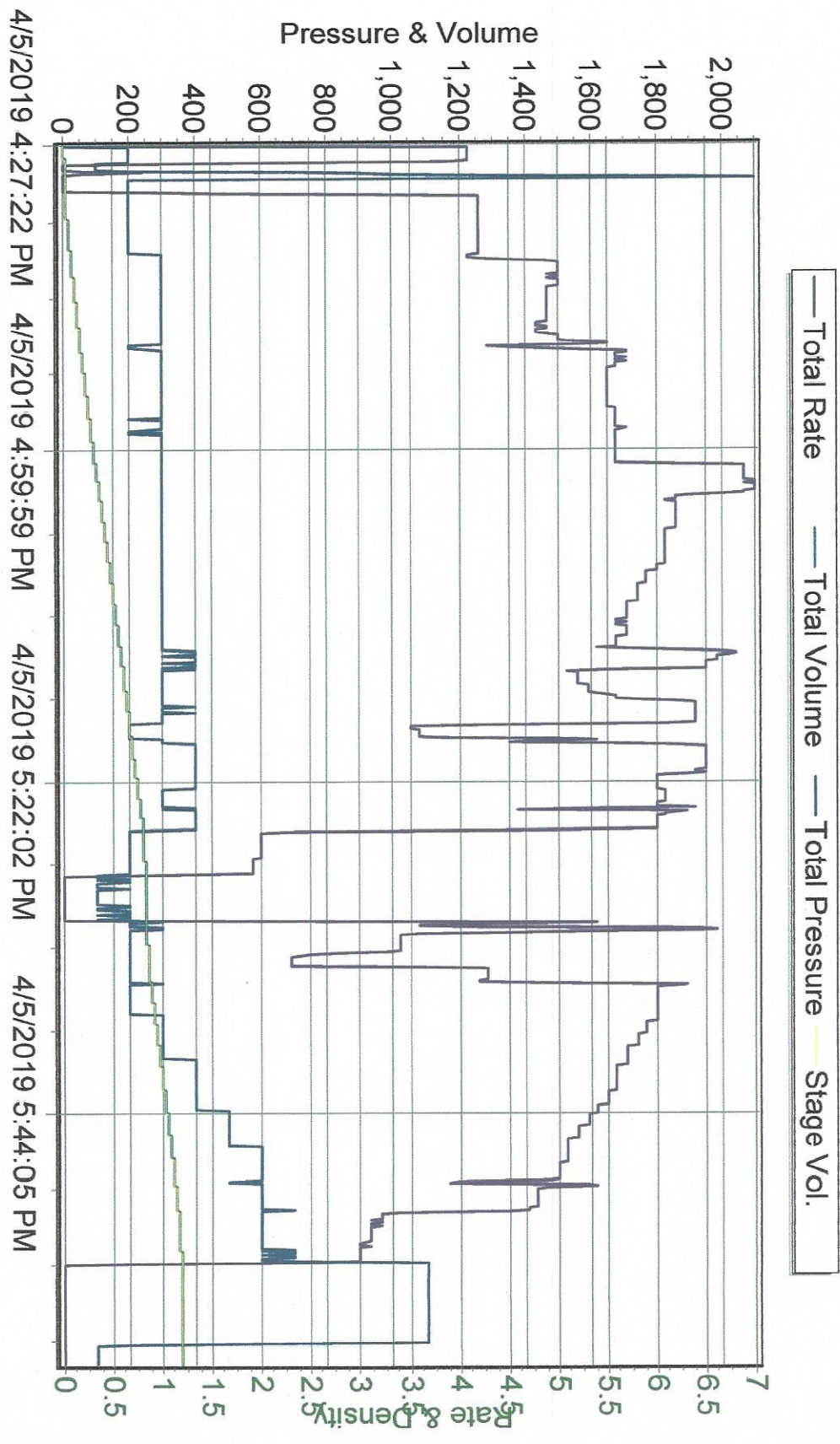
Tail 1/Tail 2:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
<b>Tail Stage 1:</b>	12.1	2.41	14	1132.7	TT Man Hours:	26
<b>Tail Stage 2:</b>	14.8	1.34	6.33	221.1	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
14:30pm							Arrived at location
14:45pm							Spot trucks/Rig up
16:25pm							Safety meeting
16:41pm						1500	Pressure test lines to 1500psi
16:42pm	4	10				zero	Pump 10bbls of fresh water spacer
16:45pm	6	201				100	Pump lead cement 201bbls from 470sks at 12.1#
17:18pm	6	39				180	Pump tail cement 39bbls from 165sks at 14.8#
17:29pm							Shut down/drop plug/wash pump and lines
17:31pm							Start displacement
17:36pm	6	20				40	20bbls gone
17:40pm	6	40				100	40bbls gone
17:44pm	6	60				270	60bbls gone
17:48pm	5	80				400	80bbls gone
17:50pm	5	90				400	90bbls gone/Slow down rate
17:54pm	3	105				950	Bump plug
17:59pm							Check if float holds
							Got 20 bbls of cement to surface
							Rig down
							Job completed
							Thanked the company man

Size Hole	12 1/4	Depth	1711		TYPE	Float Collar	
Size & Wt. Csg.	8.625 24#	Depth	1706	New / Used	Float collar	1663	Depth
Landing Press 1	500+	Landing Press 2			Retainer		Depth
Shoe Jt.	42.25	Type			Perfs		CIBP

Customer Signature:	Basic Representative:	Victor A. Corona
	Basic Signature:	<i>Victor A. Corona</i>
	Date of Service:	4/5/2019

**Merit Energy  
8 5/8 Surface  
Flora Meredith 1-10  
4-5-2019**





# Pumping Order / Mixture

Client: Merit Energy  
Date: 4/5/2019  
Job: 8 5/8 Surface

Well Name & No: Flora Meredith 1-10  
Location Supervisor: Victor A. Corona  
COMPANY REP. Rodney Gonzales

Differential Pressure      1358 psi  
Lift Pressure:              500 psi

## Recipe

---

Pressure Test PSI: 1500

MAX PSI: 500

10 BBLs OF FRESH WATER SPACER

201 BBLs LEAD SLURRY YIELD 2.41    12.1 LBS            470SKS 14.0G/SK

39 BBLs TAIL SLURRY YIELD 1.34    14.8 LBS            165SKS 6.33G/SK

**DROP PLUG/WASH PUMP ON TOP OF PLUG**

**105.0 BBLs OF DISPLACEMENT**

**95.0 BBLs @ 5 BPM**

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

**DISP PLUG WITH 105BBLs OF H2O**







1700 S. Country Estates Raod  
 Liberal, KS 67901  
 PH (620)-624-2277 FAX (620) 624-2280

SERVICE ORDER - 0

Date: 1/0/1900

Well Name:  
 Flora Meredith # 1-10

Location:  
 10-30S-33W

County - State:  
 Haskell, Ks

RRC #:

Type Of Service:  
 Z42 - Cement Production Casing

Customer's Order #:

0

Customer: Merit Energy

Address: sublette.invoices@meritenergy.com  
 AFE# 63309

As a consideration, the above named Customer agrees to pay Basic Energy Services in accord with the rates and terms stated in Basic Energy Services current price lists. Invoices are payable NET 30 (SEE 10.2) after date of invoice. Upon Customer's default in payment of Customers account by such date, Customer agrees to pay interest thereon after default at 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all the collection costs and attorney fees. These terms and conditions shall be governed by the laws of the state where services are performed or equipment or materials are furnished.

Basic Energy Services, warrants only title to the products, supplies and materials and that the same are free from defects in workmanship. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Basic Energy Services, liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies, or materials upon their return to Basic Energy Services, is expressly limited to the replacement of such products, supplies or materials or, at Basic Energy Services, option, to the allowance to the Customer of credit for the cost of such items. In no event shall Basic Energy Services be liable for special, indirect, punitive or consequential damages.

CODE	QTY	UOM	DESCRIPTION	PRICE	TOTAL
CL104	310	Sk	50/50 POZ	11.00	3410.00
CC113	1566	Lb	Gypsum	0.75	1174.50
CC148	131	Lb	C-17	20.00	2620.00
CC105	66	Lb	C-41P	4.00	264.00
CC102	78	Lb	Celloflake	3.70	288.60
CC201	1551	Lb	Gilsonite	0.67	1039.17
CC111	1859	Lb	Salt	0.50	929.50
CF851	1	Ea	5 1/2" Float Shoe(Blue)	425.00	425.00
CF951	1	Ea	5 1/2" Float Collar(Blue)	420.00	420.00
CF1751	20	Ea	Centralizer, 5 1/2" (Blue)	80.00	1600.00
CF103	1	Ea	Top Rubber Cement Plug, 5 1/2"	105.00	105.00
C718	26	Gal	Clayplex 650	35.00	910.00
E101	120	Mi	Heavy Equipment Mileage	7.50	900.00
CE240	310	Sk	Blending & Mixing Service Charge	1.40	434.00
E113	783	Tn/Mi	Proppant and Bulk Delivery Charges, per ton mile	2.50	1957.50
CE206	1	4 Hrs	Depth Charge; 5001-6000'	2880.00	2880.00
CE504	1	Job	Plug Container Utilization Charge	250.00	250.00
E100	60	Mi	Unit Mileage Charge-Pickups, Small Vans & Cars (one way)	4.50	270.00
S003	1	Ea	Service Supervisor, first 8 hrs on loc.	175.00	175.00
CC165	840	Gal	Stoploss Polymer (15 PPB)	6.00	5040.00
CC166	320	Lb	Stoploss LCM	5.25	1680.00
			<b>Well</b> <u>Flora Meredith</u>		
			<b>AFE</b> <u>63309</u>		
			<b>GL</b> <u>83001675</u>		
			<b>Office</b> <u>Sublette</u>		
			<b>Date</b> <u>4-11-19</u>		
				Book Total:	\$26,772.27
				Taxes:	
				Disc. Price:	\$16,697.76
				10% Disc	\$1,669.78
			Additional 10% Discount as per Agreement on Cement Services	Adjusted Price	\$15,027.98

PUMP TRUCK NUMBER: 38117,199197

DRIVER:

THIS JOB WAS SATISFACTORILY COMPLETED  
 OPERATION OF EQUIPMENT WAS SATISFACTORY  
 PERFORMANCE OF PERSONEL WAS SATISFACTORY

YES  NO

BASIC ENERGY SERVICES

CUSTOMER OR HIS AGENT

Customer Comments or Concerns:

*Good Job!!*





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.:	38117, 19919 7Hrs.	Operator TRK No.:	96816
Address:	sublette.invoices@meritenergy.com	Ticket #:	1718 19428 L	Bulk TRK No.:	14355, 37724 Jesse
City, State, Zip:	AFE# 63309	Job Type:	Z42 - Cement Production Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Flora Meredith # 1-10	Well Location:	10-30S-33W	County:	Haskell
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
50/50 Poz	260	6% Gypsum, 10% Salt, .5% C-17, 1/4# Defoamer, 1/4# Celloflake	14355, 37724 Jesse	Front	Back
50/50 Poz	50	Rat & Mouse	14355, 37724	Front	Back
				Front	Back

Tail 1/Tail 2:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
<b>Tail :</b>	13.6	1.57	7.18	408.2	TT Man Hours:	33
				50	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps		Pressure(PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
17:45							ON LOCATION
17:50							SAFETY MEETING
6:00 PM							RIG UP
9:20 PM							RIG TO CIRCULATE
10:18 PM							RIG TO PT
10:21 PM							PRESSURE TEST TO 2980PSI
22:22	3.5	25				340	PUMP STOPLOSS 20BBLS & 5BBL SPACER
22:29		13.9 slurry					PLUG RAT & MOUSE
10:35 PM	6	58.7 slurry				520	PUMP 260SX TAIL @ 13.6#
22:49							SHUTDOWN / DROP PLUG / WP
10:08	6	10 THRU 40				80	DISPLACE
	6	50				80	
	6	60				80	
	6	70				80	
	6	80				370	
	6	90				580	
	6	100				810	
	6	110				1010	
23:33	5.7	120				1180	SLOW RATE TO 2.0BPM @ 880PSI
23:38	1.9	130.1				1050	LAND PLUG / PRESSURE UP TO 1550PSI
23:53							RELEASE BACK --- FLOAT HELD
							JOB COMPLETE

Size Hole	7 7/8"	Depth	5650'		TYPE	Plug Container	
Size & Wt. Csg.	5 1/2" 17#	Depth	5650'	New / Used	DV Tool	Depth	
Landing Press 1	511.4psi				Retainer	Depth	
Shoe Jt.	40.80'	Type			Perfs	CIBP	

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	4/10/2019

# Merit Energy FloraMeredith 1-10

