

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

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

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

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

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

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

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

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

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

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

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

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

Spud Date or Date Reached TD Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

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

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

Location of fluid disposal if hauled offsite:

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

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

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

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

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 301
Doc ID	1637313

All Electric Logs Run

CALIPER LOG
CALIPER LOG COMPENSATED NEUTRON LOG COMPENSATED Z-DENSILOG
CALIPER LOG GAMMA RAY LOG DIGITAL ACOUSTIC LOG COMPENSATED Z-DENSILOG
GAMMA RAY LOG HIGH DEFINITION INDUCTION LOG
GAMMA RAY LOG DIGITAL ACOUSTIC LOG
MICRORESISTIVITY LOG MINILOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 301
Doc ID	1637313

Tops

Name	Top	Datum
Heebner	4022	.
Lansing	4123	.
SWOPE	4544	.
MARMATON	4700	.
CHEROKEE	4862	.
ATOKA GROUP	5036	.
MORROW	5193	.
TOP WENU ZONE	5353	.
CHESTER LIME	5395	.
ST GENEVIEVE	5446	.





## Comments

**MERIT ENERGY COMPANY LLC**  
 13727 Noel Road,  
 Suite 1200, Dallas, Texas,  
 75240

**WELLSITE MANAGERS:**  
**RODNEY GONZALES**

**DUKE DRILLING RIG #9**



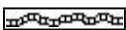
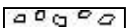



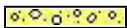









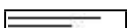
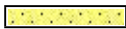



**LUKE WEISSLER - ENGINEER**

**MID CONTINENT WELL LOGGING SERVICE, INC.: NORMAN, OK**  
**LOGGING UNIT: JEB**  
**MCWL GAS BOX: 702**


















**MUD LOGGER: ANDY BLACK/ RONNIE ROBBINS**

**CALL OUT DATE: 02/8/2022**  
**BEGAN LOGGING: 2/9/2022 @ 4,000' MD**  
**DRILLING COMPLETED: TBD**

## ROCK TYPES

 Sndylm  Anhy  Bent  Brec  Cht  Clyst	 Coal  Congl  Dol  Gyp  Igne  Lmst	 Meta  Mrlst  Salt  Shale  Shcol  Shgy	 Ss  Till  Hotsh  Slstst
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## ACCESSORIES

<p><b>MINERAL</b></p>  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 <p><b>FOSSIL</b></p>  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral	 Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite  Ostra  Pelec  Pellet  Pisolite  Plant  Strom <p><b>STRINGER</b></p>  Anhy  Arg  Bent  Coal  Dol	 Gyp  Ls  Mrst  Ssstrg  Slststrg <p><b>TEXTURE</b></p>  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
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OTHER SYMBOLS

- POROSITY**
- Earthy
  - Fenest
  - Fracture
  - Inter
  - Moldic
  - Organic
  - Pinpoint
  - Vuggy
  - New symbol

- New symbol
- Sndylm
- New symbol

- SORTING**
- Well
  - Moderate
  - Poor

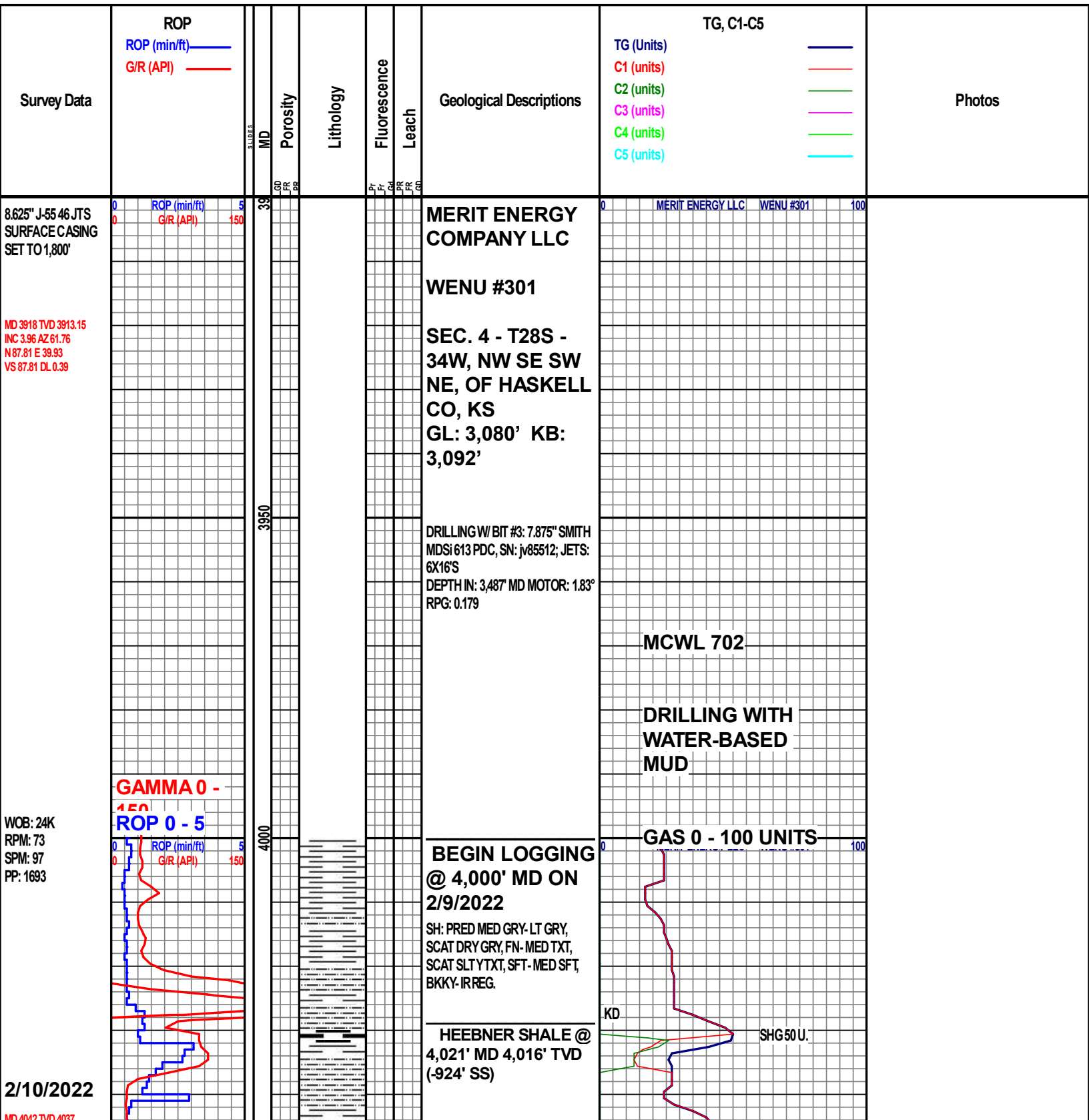
- ROUNDING**
- Rounded
  - Subrnd
  - Subang
  - Angular

- OIL SHOW**
- Even
  - Spotted
  - Ques

Dead

- INTERVAL**
- Core
  - Dst

- EVENT**
- Rft
  - Sidewall



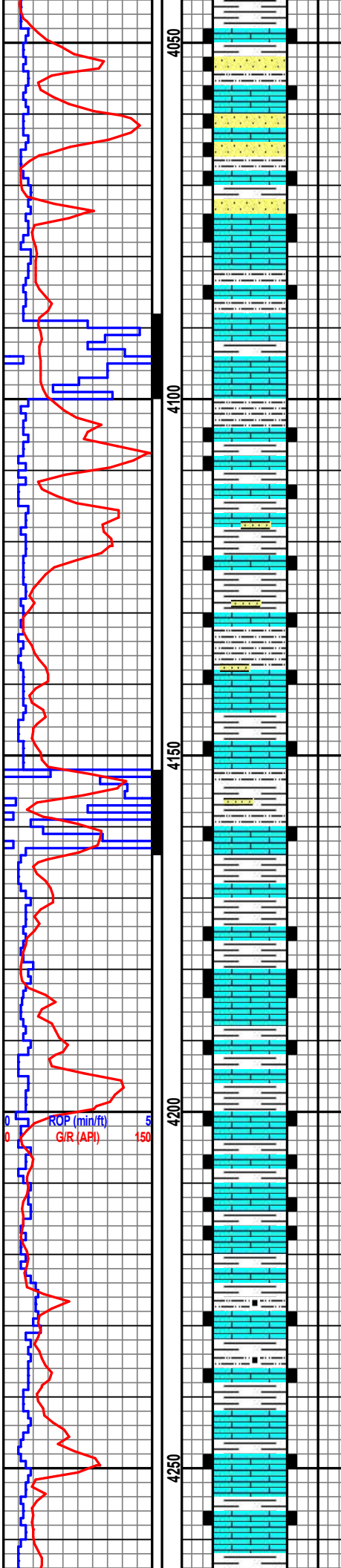


MD 4092 TVD 4092  
INC 1.71 AZ 20.98  
N91.57 E 44.36  
VS 91.57 DL 2.33

MUD WT: 9.0  
VIS: 60

MD 4104 TVD 4098.98  
INC 1.49 AZ 4.55  
N93.24 E 44.76  
VS 93.24 DL 0.82

WOB: 24K  
RPM: 83  
SPM: 972.06  
PP: 1599  
VS 32.29 DL 0.61



**TORONTO @ 4,036'**  
MD 4,031' TVD (-939'  
SS)  
LS: PRED GRY-OFF WHT, OCC  
DRK BRN, SM CRM- TAN, FN XLN,  
MICRO FN XLN THRU OUT, PRED  
MOD FRM-FRM, SM V FRM, PR  
INTRXLN POR, SCAT DULL YEL  
FLUOR, NO CUT, NO RES RING.

**LANSING @ 4,075'**  
MD 4,070' TVD (-978'  
SS)  
LS: PRED TAN-CRM, SM OFF  
WHT-WHT, FN-V FN XLN, MOD  
FRM-FRM, SM HRD, SH: PRED  
DRK GRY, SM MED- LT GRY, V  
FN-FN TXT, MED- HRD, SM SFT,  
PRED CHNKY, OCC SS STRNGRS  
THRU OUT, PR INTR XLN POR, SM  
SCAT DULL WHI-BRI GRN FLUOR,  
NO CUT, NO RES RING

**LANSING GRP  
@ 4,123' MD  
4,118' TVD**

LS: MSTLY WHT-OFF WHT, SCAT  
TAN- LT CRM, FN-V FN XLN, PRED  
MOD FRM-FRM, OCC HRD THRU  
OUT, SCAT MED-DRK GRYSHIP,  
TRC SCAT SS STRNGRS, V PR  
INTRXLN POR, PR DULL-SLI BRI  
WHI FLUOR, NO CUT, NO RES  
RING

**LANSING B @ 4,201'**  
MD 4,196' TVD (-1,104'  
SS)  
**WIPER TRIP @  
4,215' MD**

LS: MSTLY LT GRY- GRY, SM OFF  
WHT, SCAT TAN- LT CRM, FN-V  
FN XLN, PRED MOD FRM-FRM,  
OCC HRD THRU OUT, SCAT  
MED-DRK GRYSH IP, V PR  
INTRXLN POR, PR DULL-SLI BRI  
WHI FLUOR, NO CUT, NO RES  
RING

KD  
CG40 U.

KD  
DTG39 U.

KD  
FG35 U.

KD

KD  
FG41 U.

0  
MERIT ENERGY LLC WENU #301 100

KD  
TRIP GAS 33 U.

KD

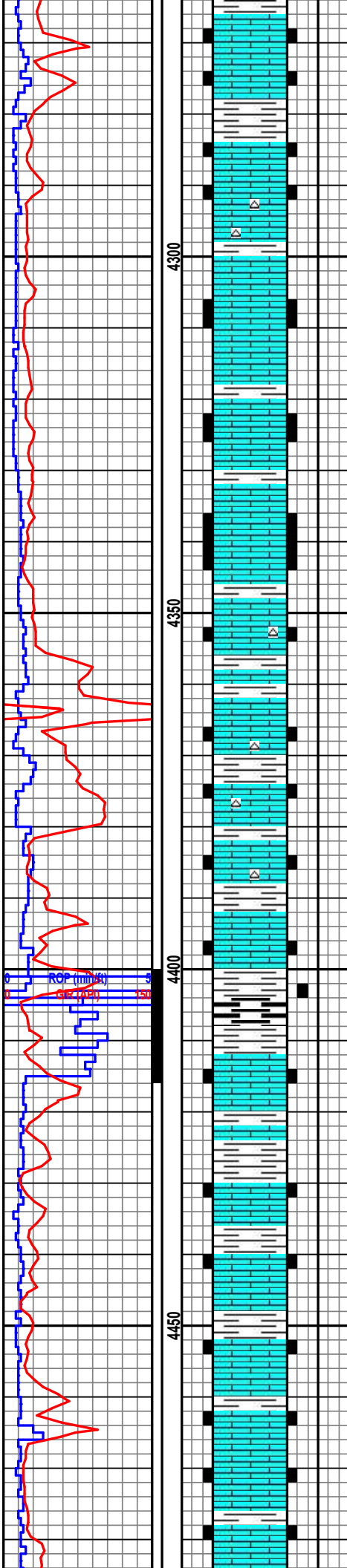


MD 4293 TVD 4287.94  
MUD WT: 9.1+  
VIS: 55 DL 0.17

MD 4355 TVD 4349.93  
INC 1.1 AZ 356.55  
N 98 E 44.69  
VS 98 DL 0.1

WOB: 11K  
RPM: 0  
SPM: 111  
PP: 1720

MUD REPORT  
Depth 4,401'  
WT 9.1  
VIS 56  
PV 17  
YP 20  
GEL 41/38  
API 5.6  
CK 1/32  
SOLIDS 5.4  
CHL 2,100  
PH 11.0  
OILWAT. 0.0/946  
INC 0.18 AZ 314  
N 99 E 44.53  
VS 99 DL 1.04



IOLA @ 4,276' MD  
4,271' TVD (-1,179' SS)

LS: MSTLY LT GRY-GRY, SM OFF  
WHT-WHT, SCAT TAN-CRM, FN-V  
FN XLN, PRED MOD FRM-FRM,  
OCC HRD-V HRD, SCAT  
MED-DRK GRY SH IP, SM CHRT, V  
PR INTRXLN POR, DULL YEL  
FLUOR, NO CUT, NO RES RING

MNCRK @ 4,358' MD  
4,353' TVD (-1,261' SS)

LS: MSTLY LT GRY-GRY, SM OFF  
WHT-WHT, SM TAN-CRM, FN-V  
FN XLN, PRED MOD FRM-FRM,  
OCC HRD-V HRD, SCAT MED-LT  
DRTY GRY SH IP, SM CHRT, V PR  
INTRXLN POR, DULL YEL FLUOR,  
NO CUT, NO RES RING

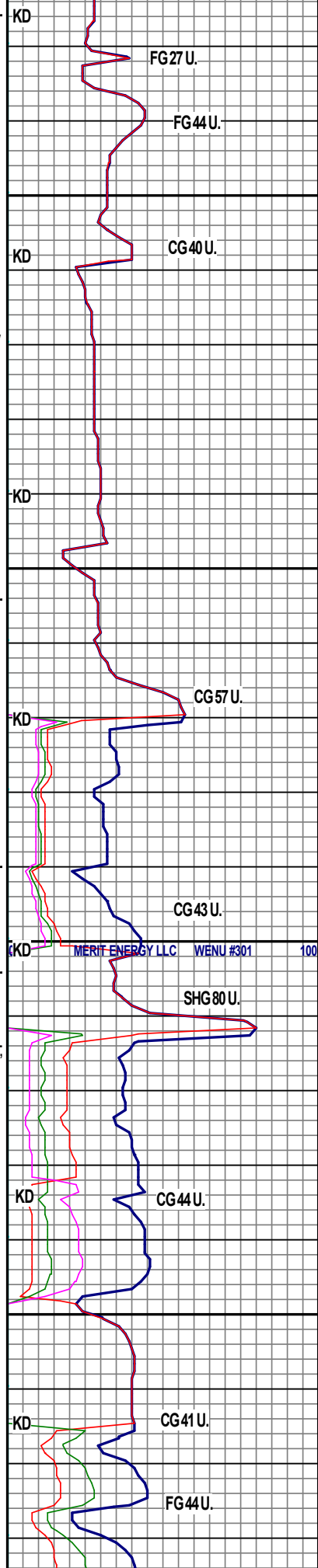
DRUM @ 4,380' MD  
4,375' TVD (-1,283' SS)

B. DRUM @ 4,401'  
MD 4,396' TVD (-1,304')

LS: MSTLY LT GRY-GRY, SM OFF WHT-WHT,  
SCAT TAN-CRM, FN-V FN XLN, PRED HRD-  
V HRD, SCAT MED-DRK GRY SH IP, V PR  
INTRXLN POR, DULL YEL FLUOR, NO CUT,  
NO RES RING

STROKE  
@ 4,527 MD 4,522' TVD (-1,430' SS)

LS: MSTLY LT GRY-GRY, SM OFF  
WHT-WHT, SM TAN-CRM, FN-V  
FN XLN, PRED MOD FRM-FRM,  
OCC HRD-V HRD, SCAT MED-LT  
DRTY GRY SH IP, V PR INTRXLN  
POR, DULL YEL FLUOR, NO CUT,  
NO RES RING



KD  
FG27 U.  
FG44 U.

KD  
CG40 U.  
KD

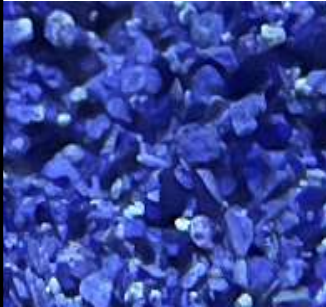
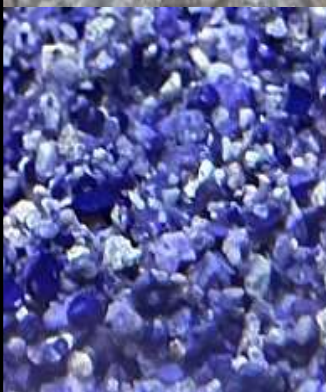
KD  
CG57 U.

KD  
CG43 U.

KD  
MERIF ENERGY LLC WENU #301 100  
SHG80 U.

KD  
CG44 U.

KD  
CG41 U.  
FG44 U.



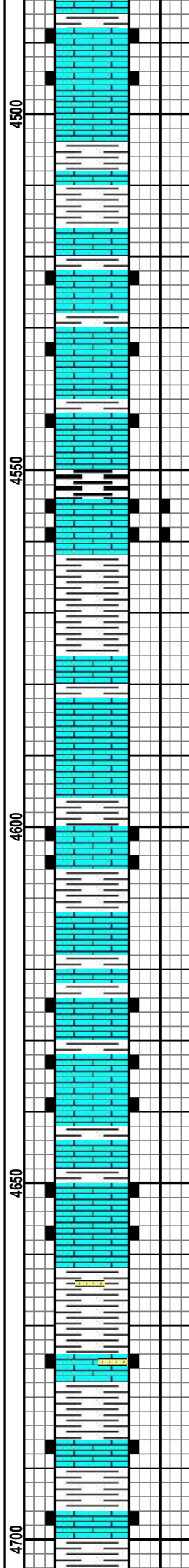
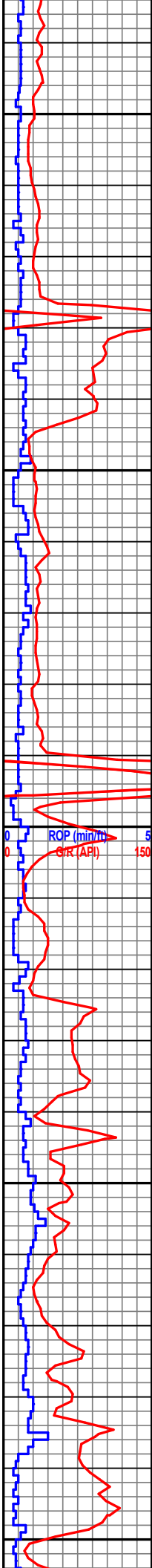
MUD WT: 9.2  
VIS: 57

MD 4543 TVD 4537.92  
INC 0.48 AZ 314.97  
N 99.39 E 44.14  
VS 99.39 DL 0.32

WOB: 20K  
RPM: 86  
SPM: 110  
PP: 2005

MD 4638 TVD 4632.92  
INC 0.35 AZ 323.59  
N 99.9 E 43.69  
VS 99.9 DL 0.15

MUD WT: 9.2  
VIS: 57



SH: PRED LT-MD GY, SMEDK GY,  
PRED FRM-V FRM, SME MOD FRM  
THRU OUT, SLTY, PRED CHNKY,  
PLTY THRU OUT, WLS: PRED LT  
GY-CRM, OCC WHT, VF-FN XLN,  
PRED FLKY, PRED MOD  
FRM-FRM, OCC V FRM, PR  
INTRXLN POR, FNT SCAT  
WHI/GRNSH FLUOR, NO CUT, NO  
RES RING

SWOPE @  
4,544' MD 4,539' TVD (-1,447' SS)

LS: PRED TAN-CRM, SM OFF WHT-WHT  
THRU OUT, FN-V FN XLN, MOD FRM-FRM, SM  
HRD, SH: PRED DRK GRY, SM MED-LT GY  
THRU OUT, VF-FN TXT, MED-HRD, SM SFT  
THRU OUT, PR INTR XLN POR, TRC HL FRAC  
POR, SCAT DULL-BRI WHI/GRN FLUOR, SLO  
SLI BRI MLKY WHT CUT, THIN SPTY RES  
RING

HUSH SH.  
@ 4,590' MD 4,585' TVD (-1,493' SS)

HERTHA  
LS @ 4,603' MD 4,598' TVD (-1,506'  
SS)

LS: PRED TAN-MTLD, SME WHI-OFF WHT  
THRU OUT, CHLKY, FN-VF XLN, OCC MICRO  
FN XLN, SLI DNSE, MOD FRM-FRM, ABNDNT  
SFT/GUMMY, OCC SS STRNGRS THRU OUT,  
PR INTRXLN POR, SCAT PR-SLI FR BRI  
YEL/GRN FLUOR, NO CUT, NO RES RING

EXLINE  
LS @ 4,645' MD 4,640' TVD (-1,548'  
SS)

LS: MSTLY WHI-OFF WHI, SCAT  
TAN-LT CRM, OCC MTLD THRU  
OUT, FN-VF XLN, PRED MOD  
FRM-FRM, OCC HRD THRU OUT,  
SCAT MED-DRK GRY SH IP, TRC  
SCAT SS STRNGRS, V PR  
INTRXLN POR, TRAC HL FRAC  
POR, PR DULL-SLI BRI WHI  
FLUOR, NO CUT, NO RES RING

PLSNT SH. @ 4,684'  
MD 4,679' TVD (-1,587'  
SS)

MRMNR  
GRP @ 4,699' MD 4,694' TVD

SCALE  
CHANGE  
0-1500 U.

Scale Change  
MERIT ENERGY LLC WENU #301 1500

CG73 U.

FG2184 U.

CG200 U.

CG190 U.

SCALE  
CHANGE  
0-500

Scale Change  
MERIT ENERGY LLC WENU #301 500

CG805 U.

FG360 U.



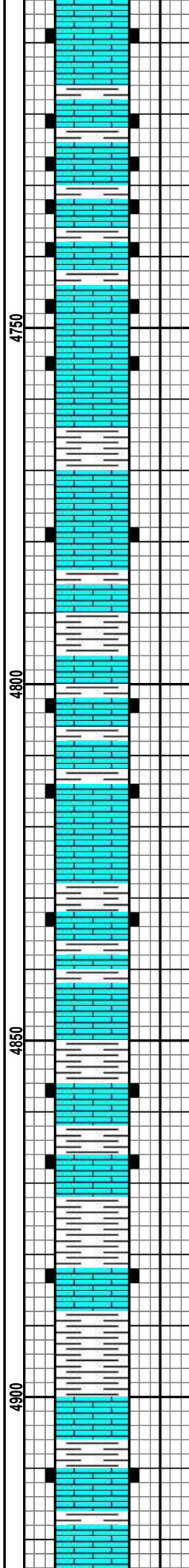
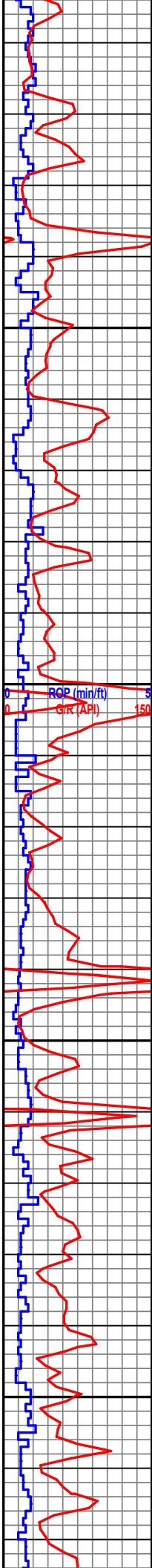
MD 4731 TVD 4725.92  
INC 0.44 AZ 317.96  
N 100.39 E 43.28  
VS 100.39 DL 0.11

WOB: 19K  
RPM: 86  
SPM: 108  
PP: 1800

MD 4825 TVD 4819.92  
INC 0.48 AZ 311.55  
N 100.92 E 42.74  
VS 100.92 DL 0.07

MUD WT: 9.1  
VS: 57

MD 4918 TVD 4912.91  
INC 0.53 AZ 307.94  
N 100.45 E 42.74  
VS 100.45 DL 0.11



(-1,602' SS)

LS: MSTLY LT GRY-MED GRY,  
SCAT TAN-LT CRM, FN-VFN XLN,  
PRED MOD FRM-FRM, OCC HRD  
THRU OUT, SCAT MED-DRK GRY  
SH I.P, V PR INTRXLN POR, TRAC  
HL FRAC POR, PR DULL-SL BRI  
WHI FLUOR, NO CUT, NO RES  
RING

LS: MSTLY LT GRY-MED GRY,  
SCAT TAN-LT CRM, OCC OFF  
WHT-WHT, FN-VFN XLN, PRED  
MOD FRM-FRM, OCC HRD THRU  
OUT, SCAT MED-DRK GRY SH I.P,  
V PR INTRXLN POR, TRAC HL  
FRAC POR, DULL YEL FLUOR, NO  
CUT, NO RES RING

MRMN D  
@ 4,808' MD 4,803' TVD (-1,711' SS)

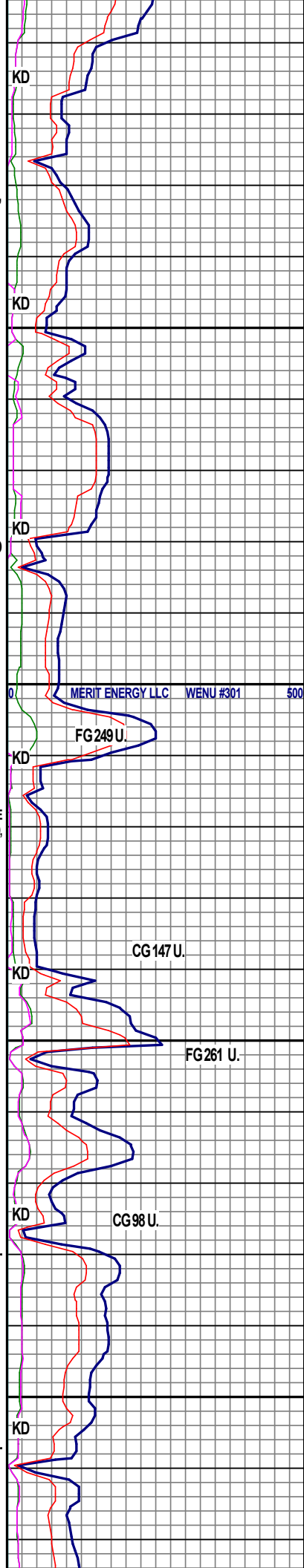
LS: PRED TAN-CRM, SME DRK TAN-BUFF,  
OCC WHI-OFF WHI, CHLKY THRU OUT,  
FN-VFN XLN, FR XLN POR, MOD FRM-FRM,  
SME HRD THRU OUT, SH: PRED DK GY, SME  
MED-LT GY THRU OUT, VF-FN TXT, MED-HRD,  
OCC SFT, PRED CHNKY, SME BLKY, OCC  
SS STRNGRS THRU OUT, SCAT PR DULL  
WHI-BRI GRN FLUOR, NO CUT, NO RES  
RING

LOSG@  
4,835' MD 4,830' TVD (-1,738' SS)

LS: PRED BUFF-LT TAN, SME MITLD  
CRM/TAN-BUFF, OCC LT TAN-CRM, V  
FN-MICRO FN XLN, FRM-HD, SME SNDY,  
ARG, PLY-SUBANG, SME SUB BLKY-ANG,  
PR INTRXLN POR, SS: PRED OFF  
WHT-FRNSL, DRTY WHT-WHT, OCC ARG  
INCL, CNKY-SUB BLKY, OCC SUBRND, TR  
SUB ANG, MED-FN GRNS, WELL  
SRT/CONSL, MED-DK GY SLTY SH, SCAT  
DULL YEL-SL BRI WHI FLUOR, SLO MLKY  
WHI CUT, NO RES RING

CHEROKEE @ 4,862'  
MD 4,857' TVD (-1,765'  
SS)

VERDGRIS @ 4,908'  
MD 4,903' TVD (-1,811'  
SS)



SAMPLE @ 4,750' MD



SAMPLE @ 4,870' MD



101.45 E 42.11  
VS 101.45 DL 0.06

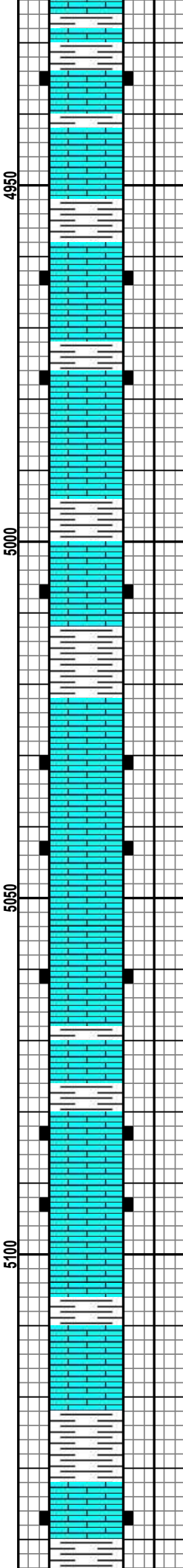
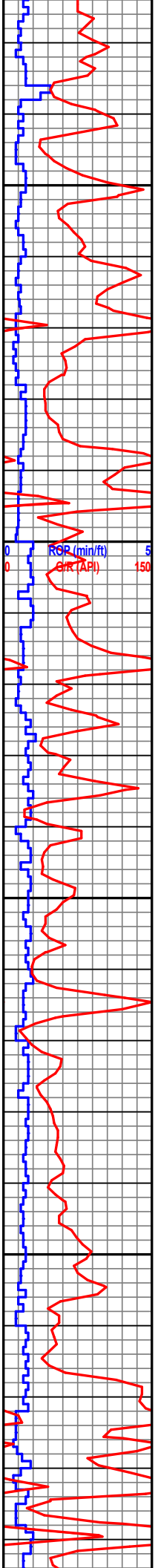
WOB: 20K  
RPM: 86  
SPM: 106  
PP: 1850

2/11/2022

MD 5014 TVD 5008.91  
INC 0.53 AZ 318.49  
N 102.06 E 41.47  
VS 102.05 DL 0.1

MUD WT: 9.1  
VS: 57

MD 5108 TVD 5102.91  
INC 0.48 AZ 313.13  
N 102.65 E 40.89  
VS 102.65 DL 0.07

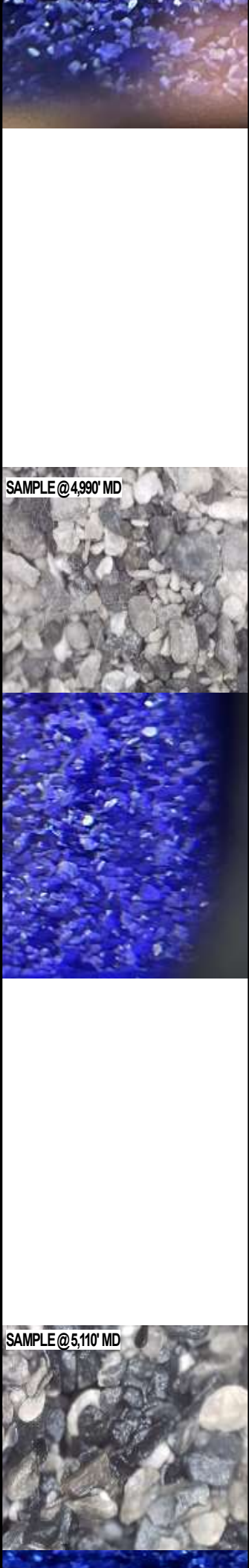
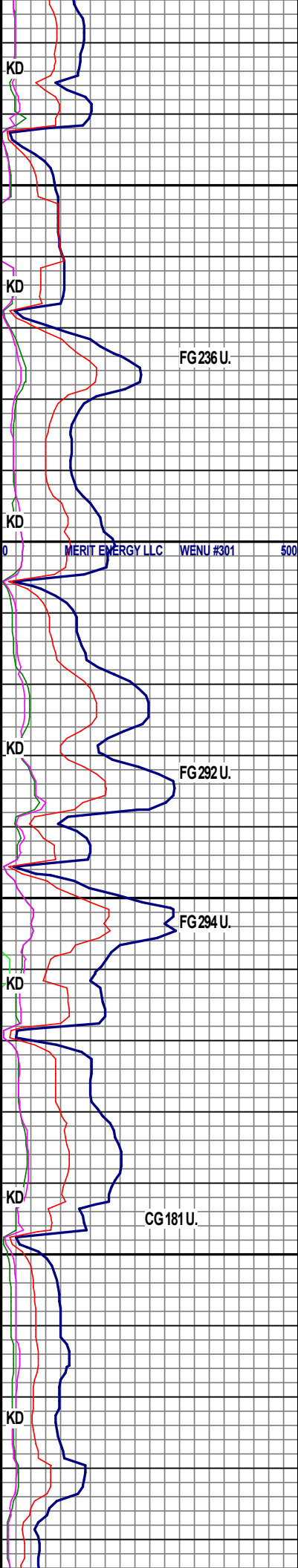


LS: PRED OFF WHI-CRM, SCAT  
MTTLD-WHI THRU OUT, OCC LT  
TAN, MED FN-VF XLN, SME MICRO  
FN XLN, MOD FRM-FRM, SME  
HRD THRU OUT, OCC DNS, PR-V  
PR INTRXLN POR, W/SH: PRED  
DK GY-BLK, SME MED-LT GY  
THRU OUT, VF-FN TXT, MOD  
FRM-FRM, SME SFT I.P, PRED  
CHNKY, TRC SS STRNGRS THRU  
OUT, TRC BRI YEL/GRN FLUOR,  
WK SLO PR WHI CUT, NO RES  
RING

**ATOKA GRP @ 5,035'**  
**MD 5,030' TVD (-1,938'**  
**SS)**

LS: PRED BUFF-LT TAN, SME  
MTTLD CRM/TAN/BUFF, OCC LT  
TAN-CRM, V FN-MICRO FN XLN,  
FRM-HD, SME SNDY, ARG,  
PLTY-SUB ANG, SME SUB  
BLKY-ANG, PRINT RXL NPOR, SS:  
PRED OFF WHT-TRNSL, DRTY  
WHT-WHT, OCC ARG INCL, TR  
GLAUC INCL, CNKY-SUB BLKY,  
OCC SUB RND, TR SUB ANG,  
MED-FN GRNS, WELL  
SRT/CONSL, MED-DK GY SLTY  
SH, SCAT DULL YEL-SLI BRI WHI  
FLUOR, SLO MLKY WHI CUT, NO  
RES RING

SH: PRED DRK GRY-BLK, OCC LT

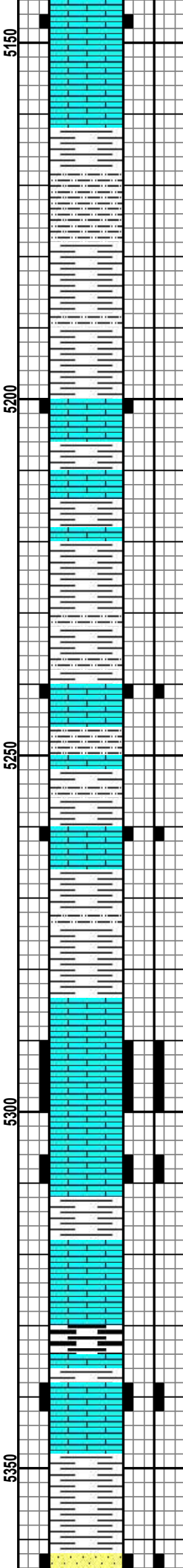
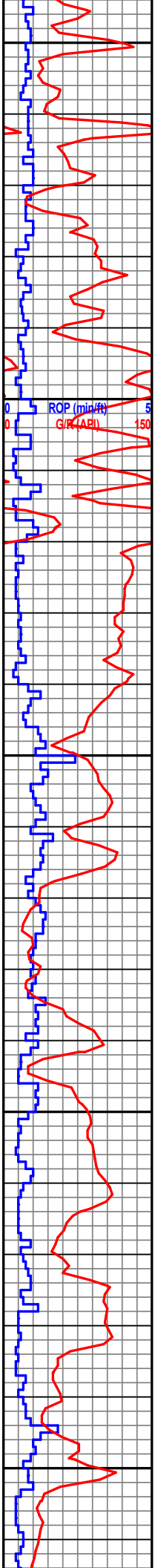


WOB: 19K  
RPM: 88  
SPM: 108  
PP: 108

MD 5203 TVD 5197.9  
INC 0.44 AZ 326.4  
N 103.22 E 40.4  
VS 103.22 DL 0.12

MUD WT: 9.0+  
VIS: 58

MD 5297 TVD 5291.9  
INC 0.35 AZ 341.96  
N 103.8 E 40.11  
VS 103.8 DL 0.15



GRY, ABNDNT BLK CARB, V  
FN-FN TXT, SUBWXY-WXY LSTR,  
MOD FRM-FRM, SME SFT  
MED-FRM, MSTLY CHNKY-BLKY,  
WLS: PRED CRM-LT TAN, MTTLD,  
SME TAN-BUFF, VFN-MICRO FN  
XLN, SME FN XLN, FRM-MOD  
FRM, SCAT HD, OCC BRTL, PR-V  
PR INTRXLN POR, TRC HL FRAC  
POR, NO FLUOR, NO CUT, NO RES  
RING

MORROW  
@ 5,193' MD 5,188' TVD (-2,098' SS)

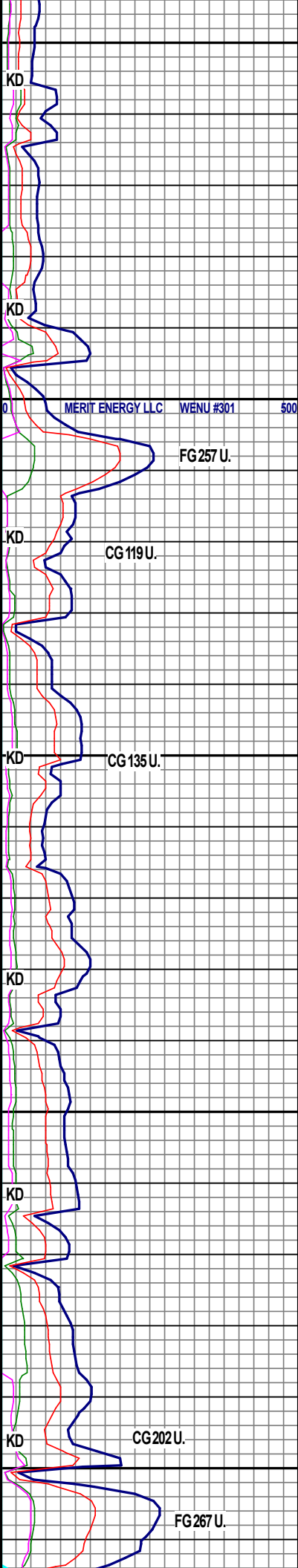
SH: PRED DRK GRY-BLK, OCC  
MED GRY-GRY, PRED FN-VFN  
TXT, TRC SLI SLTY TXT, OCC  
WXY-SUBWXY, MOD FRM-FRM,  
SM SFT, SCAY BRTL, WLS: OFF  
WHT-LT GRY, SCAT CRM-LT TAN,  
VFN-MICRO FN XLN, OCC FN  
XLN, MSTLY CHNKY-BLKY,  
FRM-MOD FRM, OCC HRD, PR-V  
PR INTRXLN POR, V DULL  
WEAK YEL FLUOR, NO CUT, NO  
RES RING

MORROW LIME @  
5,264' MD 5,253' TVD  
(-2,161' SS)

MORROW  
SAND @ 5,307' MD 5,302' TVD  
(-2,210' SS)

LS: OFF WHT-LT GRY, SCAT DRTY  
GRY, VFN-MICRO FN XLN, OCC  
FN XLN, MSTLY CHNKY-BLKY,  
FRM-MOD FRM, OCC HRD, SH:  
PRED DRK GRY-GRY, SCAT MED  
GRY, FN-MED TXT, SFT-MED SFT  
SCAT BRTL, PR-V PR INTRXLN  
POR, DUL YEL FLUOR, V WEAK  
SLOW DULL WHT MLKY CUT, SLI  
OIL STNG, WEAK PETRO ODOR, V  
THN SPTD GRN IRREG RES RING.

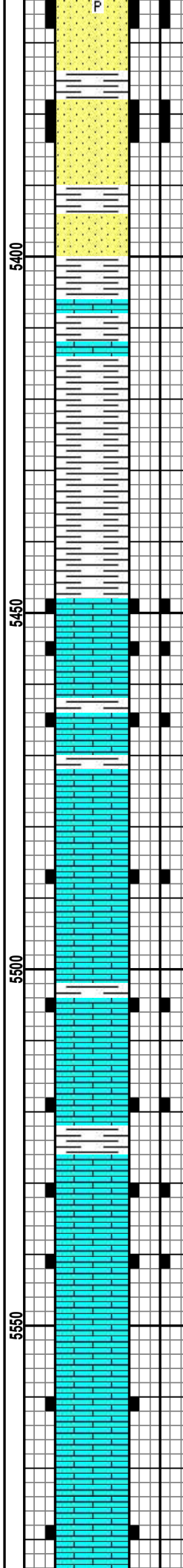
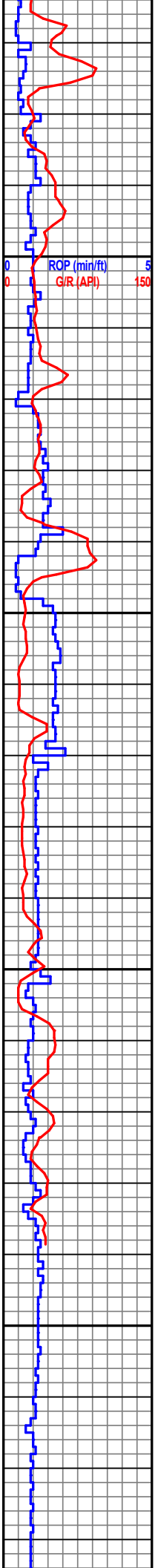
SS: PRED WHT-OFF WHT, VFN-FN  
GRN, SM MED GRN THRU OUT,  
UNCONSOL THRUOUT SUR



MD 5391 TVD 5385.9  
INC 0.4 AZ 329.39  
N 104.35 E 39.86  
VS 104.35 DL 0.1

WOB: 15K  
RPM: 81  
SPM: 101  
PP: 1687

MUD WT: 9.0+  
VIS: 58



UNCONSOLE THRU CUT, SUB  
ANG-SUB RND, FR SRT, TRAC OF  
FREE PYR, SH: PRED MED GRY-  
DRK GRY, FN - MED XT, SFT - MED  
SFT, SCAT BRTL, DULL-BRI  
WH/GRN FLUOR, SLOW BLU  
MLKY CUT, V THN SPTD IRREG  
RES RING, HVY PETRO ODOR.

CSTR  
LIME @ 5,395' MD 5,390' TVD  
(-2,298' SS)

SH: PRED MED GRY- GRY, SCAT  
DRK GRY, FN - MED XT, SFT - MED  
SCAT BRTL, BLKY-IRREG, LS  
STINGERS IP.

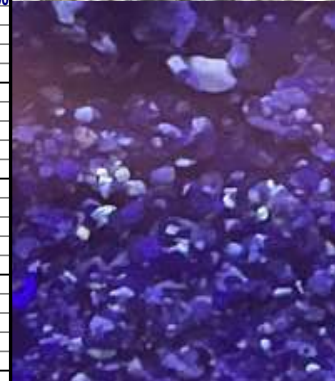
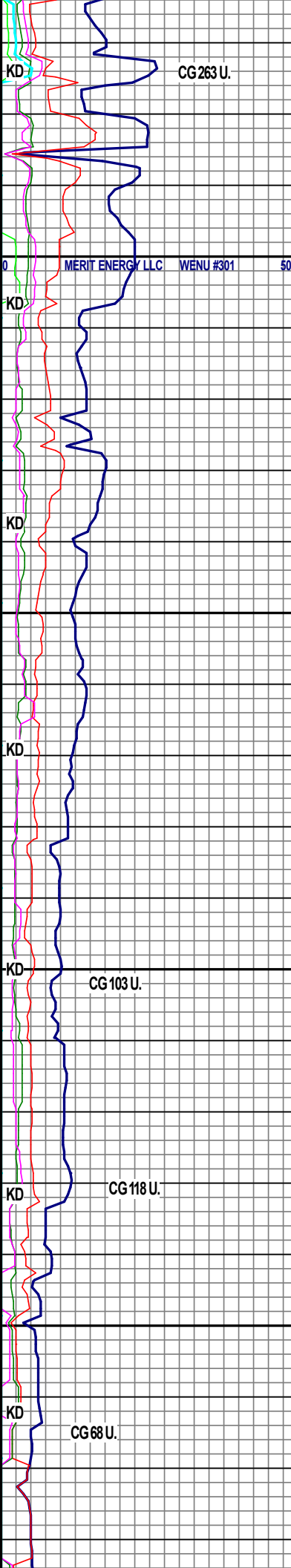
CSTR  
LIME BASE @ 5,438' MD 5,433' TVD  
(-2,341' SS)

ST. GEN @ 5,446' MD  
5,441' TVD (-2,347' SS)

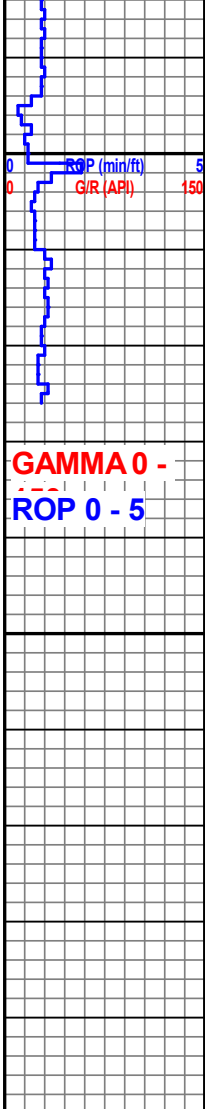
LS: PRED BUFF-LT TAN, MTT LD  
TAN/BUF/LT GY, OCC OPQBRN, V  
FN-MICRO FN XLN, V SNDY IP,  
SUB ANG-ANG, SUB BLKY, SME  
HL FRAC/FAC POR, SCAT SLI  
BRI-DULL YEL/GRNSH FLUOR, V  
SLO DULL-SLI BRI MLKY WHI  
CUT, V PR THIN SPTY WHI RES  
RING

ST. LOUIS @ 5,528'  
MD 5,523' TVD (-2,431'  
SS)

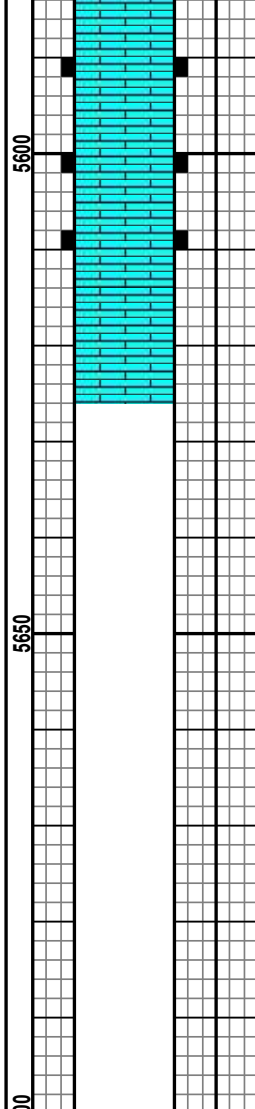
LS: PRED OFF WHT-CRM, SCAT  
LT TAN-TAN, FN-V FN XLN, SCAT  
MICRO FN XLN, MSTLY FRM-MOD



WOB: 22K  
RPM: 87  
SPM: 107  
PP: 2257



**GAMMA 0 -**  
**ROP 0 - 5**



FRM, OCC HRD, TRC SFT, SLI  
BRTL, DRK GRYSH IP, TRC HL  
FRAC POR, PR-SLI FR INTRXLN  
POR, SLI GRN/DUL GLD FLUOR, V  
SLOW DULL MLKY WHI CUT, PR  
SPTTY WHI RES RING

TOOH FOR WIPER TRIP THEN  
TOOH FOR LOGS

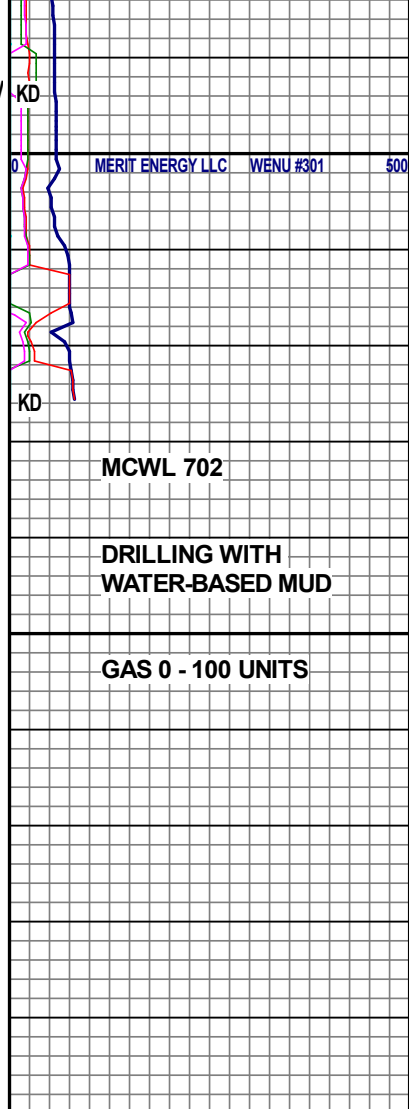
DRILLER'S TD @  
5,626' MD ON  
2/11/2022

MERIT ENERGY  
COMPANY LLC

WENU #301

SEC. 4 - T28S - 34W,  
NW SE SW NE, OF  
HASKELL CO, KS

GL: 3,080' KB: 3,092'



MERIT ENERGY LLC WENU #301 500

MCWL 702

DRILLING WITH  
WATER-BASED MUD

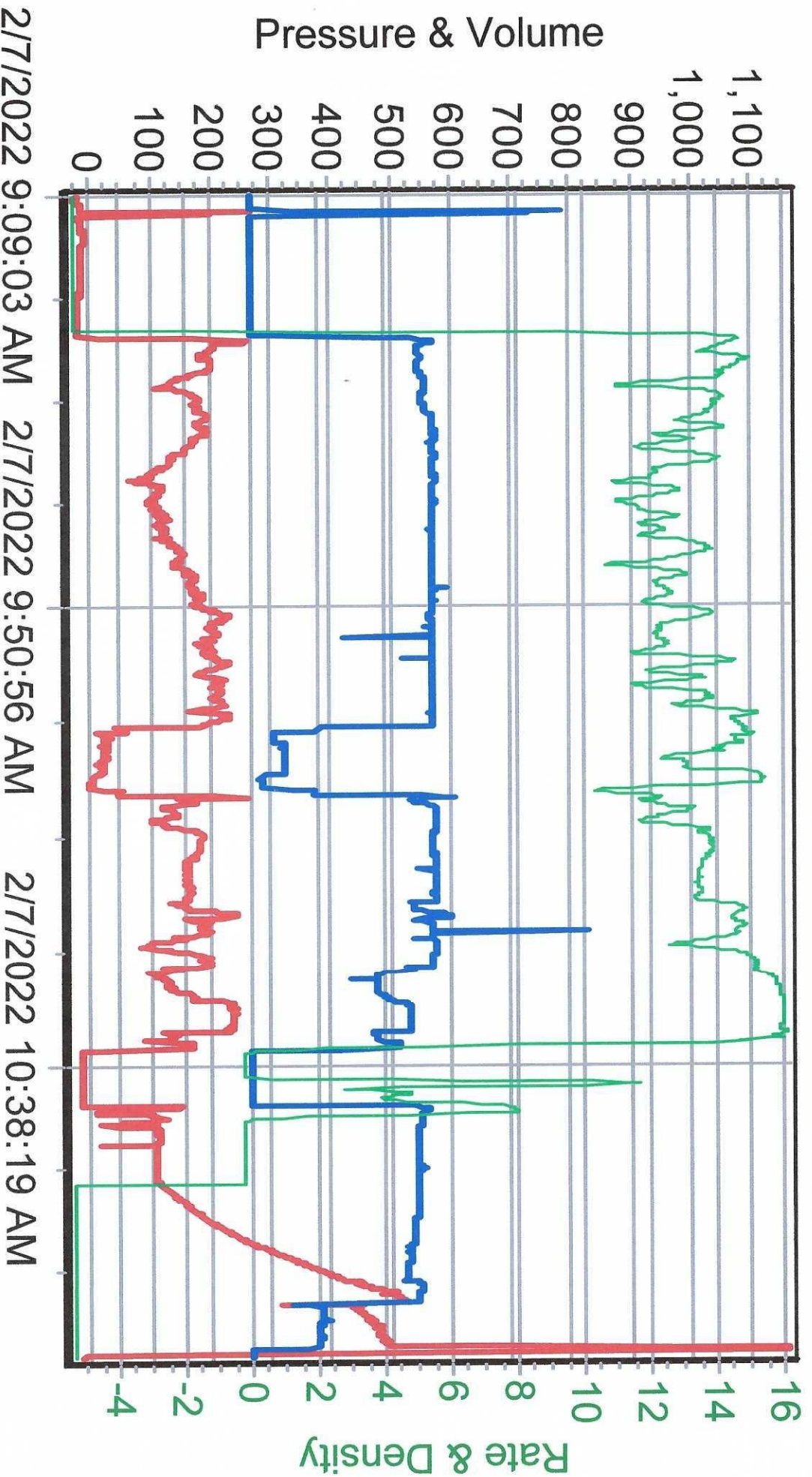
GAS 0 - 100 UNITS





# MERIT ENERGY

## WENU 301 8 5/8



**QUASAR ENERGY SERVICES, INC.**



3288 FM 51  
Gainesville, Texas 76240  
Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

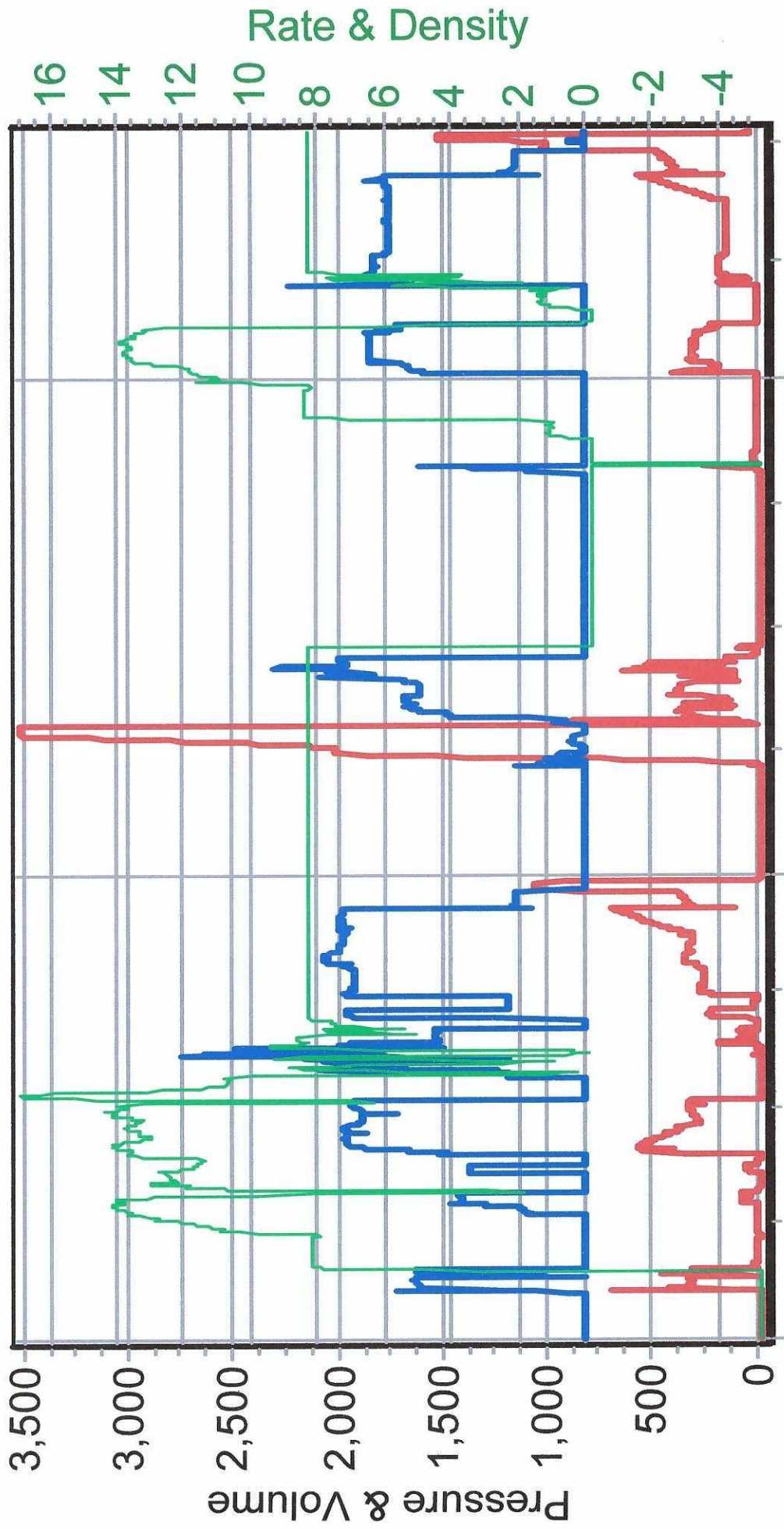
2/12/22

CEMENTING JOB LOG

**CEMENTING JOB LOG**

<b>Company:</b> MERIT ENERGY CO.		<b>Well Name:</b> WENU 301				
<b>Type Job:</b> Cement - DV Tool		<b>AFE #:</b>				
<b>CASING DATA</b>						
Size:	5 1/2	Grade:	J-55			
		Weight:	17			
<b>Casing Depths</b>	Top:	Bottom:	5607			
Drill Pipe:	Size:	Weight:				
Tubing:	Size:	Weight:	Grade:			
Open Hole:	Size: 7 7/8	T.D. (ft):	5626			
Perforations	From (ft):	To:	Packer Depth(ft): D.V. @ 4802.75			
<b>CEMENT DATA</b>						
<b>Spacer Type:</b>		SS FLUSH				
Amt.	Sks Yield	ft <sup>3</sup> /sk	Density (PPG)			
<b>LEAD:</b>	CLASS C 50/50POZ,2%GEL,5%GYP,10%SALT,5#KOLSEAL,.5%C15,1/4#POLY		Excess			
Amt.	170	Sks Yield 1.54	ft <sup>3</sup> /sk			
Density (PPG)			13.81			
<b>TAIL:</b>	CLASS C 50/50POZ,2%GEL,5%GYP,10%SALT,5#KOLSEAL,.5%C15,1/4#POLY		Excess			
Amt.	125	Sks Yield 1.54	ft <sup>3</sup> /sk			
Density (PPG)			13.81			
<b>WATER:</b>						
Lead:	6.95	gals/sk:	46.6			
Tail:	6.95	gals/sk:	20.68			
Total (bbls):			67.2			
Pump Trucks Used:	210 DP11					
Bulk Equipment:						
Disp. Fluid Type:	H2O/MUD	Amt. (Bbls.)	17.7/111.4			
Weight (PPG):			8.3/9.2			
Mud Type:						
<b>COMPANY REPRESENTATIVE:</b>		<b>CEMENTER:</b>				
RODNEY GONZALES		CHAD HINZ				
TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
1800						ON LOC
2100						TRUCKS ON LOC, SAFTEY MTG, R.U.
0107	290				5	PUMP SS FLUSH
0109	290			10	5	H2O SPACER
0117				5		PLUG R & M
0128	560				7	START MIXING
0140				33		SHUT DOWN, DROP PLUG, WASHUP
0149	220				6	START DISPLACEMENT
0154	262			20	7	START MUD
0208	330			119	2	SLOW RATE
0211	430-1050			129		PLUG DOWN, RELEASE PSI
0213						DROP BOMB
0237	860-370			14	5	OPEN TOOL
0251						HOOK TO RIG CIRC 4 HRS
0653	180				5	PUMP SS FLUSH
0708	188			10	5	START MIXING
0717				34.2		SHUT DOWN, DROP PLUG
0721	170				6.3	START DISPLACEMENT, WASHUP
0740	400			101	2	SLOW RATE
0743	500-1500			111.5		PLUG DOWN, TOOL SHUT
0745						RELEASE PSI
						JOB COMPLETE

# MERIT ENERGY WENU 301 5 1/2 D.V.



2/13/2022 12:59:34 AM 2/13/2022 2:12:52 AM 2/13/2022 7:06:58 AM