KOLAR Document ID: 1655133

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 # 32446
Name: Merit Energy Company, LLC
Address 1: 13727 Noel Road, Suite 1200
Address 2:
City: Dallas State: TX Zip: 75240 + 7362
Contact Person: Idania Medina
Phone: (620) 629-4228
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Merit Energy 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 #:

3/11/2022	3/14/2022	3/24/2022
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-093-21996-00-00
Spot Description:
NE - SW - NW - SE Sec. 15 Twp. 23 S. R. 35 ☐ East ☑ West
1870 Feet from ☐ North / ☑ South Line of Section
2063 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Kearny
Lease Name: CARRIE Well #: 15-4
Field Name: Redwood West
Producing Formation: Temp Abandoned
Elevation: Ground: 3022 Kelly Bushing: 3034
Total Vertical Depth: 4947 Plug Back Total Depth: 4891
Amount of Surface Pipe Set and Cemented at: 1812 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: 2300 ppm Fluid volume: 751 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Hayden Operating
Lease Name: Liz Smith 2 License #: 33562
Quarter NE Sec. 26 Twp. 30 S. R. 34 ☐ East ☑ West
County: Haskell Permit #: D27913.0

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: 07/06/2022
☐ **Confidential Release Date:** 07/05/2024
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** David Befort **Date:** 07/07/2022

Operator Name: Merit Energy Company, LLC Lease Name: CARRIE Well #: 15-4

Sec. 15 Twp. 23 S. R. 35 ☐ East ☑ West County: Kearny

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 *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	24	1812	Class A	700	See Attached
Production	7.875	5.5	17	4934	Class A	210	50sx RH /See Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	4280	4298

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
Attached	Attached	Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	CARRIE 15-4
Doc ID	1655133

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 SONIC ARRAY LOG
DUAL SPACED NEUTRON SPECTRAL DENSITY LOG
MICROLOG
QUAD COMBO LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	CARRIE 15-4
Doc ID	1655133

Tops

Name	Top	Datum
HEEBNER	3786	.
TORONTO	3797	.
LANSING	3835	.
IOLA	4021	.
DRUM	4063	.
SWOPE	4188	.
HERTHA	4236	.
MARMATON	4353	.
ALTAMONT	4370	.
PAWNEE	4434	.
FORT SCOTT	4463	.
CHEROKEE	4488	.
ATOKA	4621	.
MORROW	4715	.
ST GENEVIEVE	4861	.

Form	ACO1 - Well Completion
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Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSetAt	Material Record
4	4280	4284			Kansas City
	4287	4298			
			CIBP Cast Iron Bridge Plug	4420	Pawnee
	4434	4441			
			CIBP Cast Iron Bridge Plug	4460	
	4465	4481			Ft. Scott/Acid-95 bbls 15% acid 27 bbls 2% KCL flush

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	CARRIE 15-4
Doc ID	1655133

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	1812	Class A	700	See Attached
Production	7.875	5.5	17	4934	Class A	210	50sx RH /See Attached

MCWL
PALADIN GEOLOGICAL

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

Well Name:	**CARRIE # 15-4**	**MERIT ENERGY COMPANY LLC**	
API:	**15093219960000**		
Location:	**SEC. 15 - T23S - 35W, NE, SW, NW, SE, OF KEARNEY CO, KS**		
License Number:		**Region:**	**EUBANK NORTH**
Spud Date:	**03/10/2022**	**Drilling Completed:**	**3/14/2022**
Surface Coordinates:	**1870' FSL, 2063' FEL OF SEC. 15 - T23S - 35W, NE, SW, NW, SE, OF KEARNEY CO, KS**		
Bottom Hole Coordinates:	**1870' FSL, 2063' FEL OF SEC. 15 - T23S - 35W, NE, SW, NW, SE, OF KEARNEY CO, KS**		
Ground Elevation (ft):	**3,022'**	**K.B. Elevation (ft):**	**3,034'**
Logged Interval (ft):	**3,757'** **To: 4,947'**	**Total Depth (ft):**	**4,947'**
Formation:	**MORROW**		
Type of Drilling Fluid:	**WATER BASED MUD**		

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

OPERATOR

Company: MERIT ENERGY COMPANY LLC
Address: 13727 Noel Road,
Suite 1200, Dallas, Texas,
75240

GEOLOGIST

Name: MARTIN LANGE
Company: MERIT ENERGY COMPANY LLC
Address: 13727 Noel Road,
Suite 1200, Dallas, Texas,
75240

Cores

DSTs

Comments

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

WELLSITE MANAGERS:
RODNEY GONZALES

DUKE DRILLING RIG #9

LUKE WEISSLER - ENGINEER

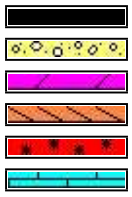
MID CONTINENT WELL LOGGING SERVICE, INC.: NORMAN, OK
LOGGING UNIT: JEB
MCWL GAS BOX: 702

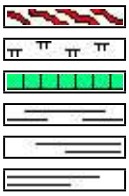
MUD LOGGER: ANDY BLACK/

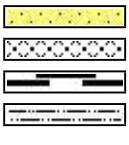
CALL OUT DATE: 03/12/2022
BEGAN LOGGING: 2/17/2022 @ 3,750' MD
DRILLING COMPLETED: 3/14/2022 @ 4,947'

ROCK TYPES


Sndylm
Anhy
Bent
Brec
Cht
Clyst


Coal
Congl
Dol
Gyp
Igne
Lmst


Meta
Mrlst
Salt
Shale
Shcol
Shgy


Ss
Till
Hotsh
Sltst

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

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom

STRINGER


Anhy
Arg
Bent
Coal
Dol


Gyp
Ls
Mrst
Ssstrg
Sltstrg

TEXTURE

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

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

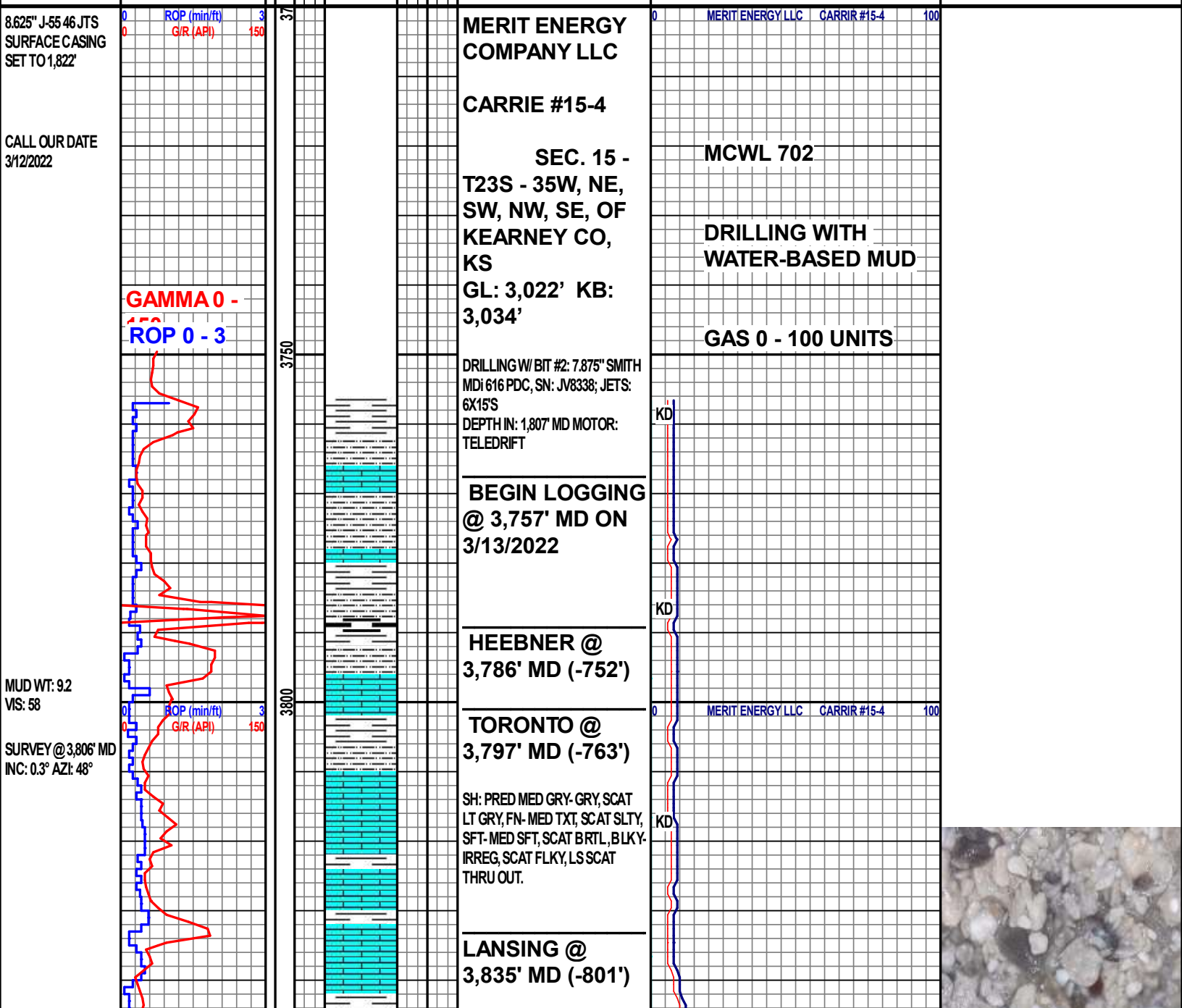
OIL SHOW
- Even
- Spotted
- Ques

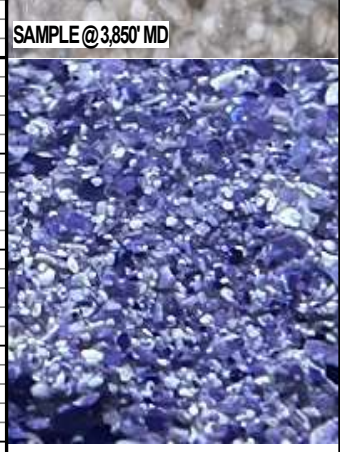
- Dead

INTERVAL
- Core
- Dst

EVENT
- Rft
- Sidewall

Survey Data	ROP	SLIDES	MD	Porosity (GD, FR, PR)	Lithology	Fluorescence (Pr, Fr, Gd)	Leach (PR, FR, Gd)	Geological Descriptions	TG, C1-C5	Photos
	ROP (min/ft) — G/R (API)								TG (Units), C1 (units), C2 (units), C3 (units), C4 (units), C5 (units)	





WOB: 15K
RPM: 106
SPM: 109
PP: 1869

SURVEY @ 3,962' MD
INC: 0.2° AZI: 335°

MUD WT: 9.2
VIS: 58

3850
3900
3950
4000
4050

LS: PRED WHT-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 BRI- DULL YEL FLUOR, NO CUT, NO RES RING.

LANSING GRP @ 3,888' MD (-854')

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

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 I.P., V PR INTRXLN POR, PR DULL-SLI BRI WHI FLUOR, NO CUT, NO RES RING

IOLA @ 4,021' MD (-987')

MNCRK @ 4,042' MD

KD
CG 15 U.
KD
CG 15 U.
KD
KD
CG 15 U.
KD
KD
BG 13-16 U.
KD

0 ROP (min/ft) 3
0 G/R (API) 150

0 MERIT ENERGY LLC CARRIR #15-4 100

WOB: 15K
RPM: 64
SPM: 99
PP: 2045

SURVEY @ 4,133' MD
INC: 0.8° AZI: 122°

MUD WT: 9.2
VIS: 58

ROP (min/ft) 0 3
G/R (API) 0 150

4100
4150
4200
4250

DRUM @ 4,065' MD (-1,029')

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 GRYSH LP., SM CHRT, V PR INTRXLN POR, DULL YEL FLUOR, NO CUT, NO RES RING

DENNIS @ 4,121' MD (-1,081')

SH: PRED LT-MD GY, SME DK GY, PRED FRM-V FRM, SME MOD FRM THRU OUT, SLTY, PRED CHNKY, PLTY THRU OUT, W/LS: 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 @ 4,188' MD (-1,154')

LS: CRM-OFF WHT, LT-GRY, SME DRTY GRY, BRIT, F-VF XLN, SUCR, CHLKY MTRX, POOR-FR SRT, SPOT GLD-YLW FLUOR, WEAK BLU MLKY CUT, SME YLW FLASH OR STRM CUT, V SLI ODOR, NO OIL SHOW AFTER REST.

HERTHA @ 4,236' MD

LS: MSTLY TAN-CRM, SME LT GRY-DRTY GRY, SME OFF WHT-WHT, FN-VF XLN, PRED MOD FRM-FRM, OCC HRD-V HRD, TR MED, V PR INTRXLN POR, DULL YEL FLUOR, NO CUT, NO RES RING.

EXLINE LS @

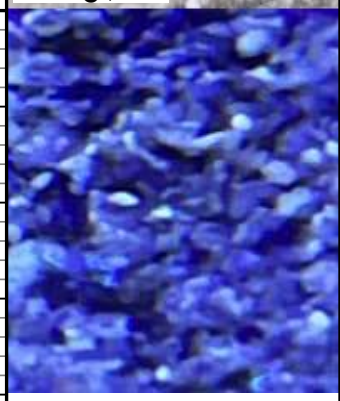
KD

BG 13-16 U.

CG 18 U.

0 MERIT ENERGY LLC CARRIR #15-4 100

SAMPLE @ 4,150' MD



SURVEY @4,291' MD
INC: 0.5° AZI: 73°

WOB: 15K
RPM: 64
SPM: 99
PP: 2045

MUD REPORT
Depth 4,382'
WT 9.4
VIS 61
PV 25
YP 22
GEL 15/39
API 6.4
CK 2/32
SOLIDS 7.7
CHL 2,300
PH 10.0
OIL/WAT. 0.0/92.3

MUD WT: 9.3
VIS: 57

SURVEY @4,133' MD
INC: 0.5° AZI: 313°

WOB: 15K
RPM: 64
SPM: 99
PP: 2045

0 ROP (min/ft) 3
0 G/R (API) 150

4300
4350
4400
4450
4500

4,278' MD

LS: MSTLY TAN-CRM, SME LT GRY-DRTY GRY, SME OFF WHT-WHT, FN- VF XLN, PRED MOD FRM-FRM, OCC HRD-V HRD, TR MED, V PR INTRXLN POR, DULL YEL FLUOR, NO CUT, NO RES RING.

LS: BUFF-TAN, SME DRTY GRY, SME DK BRN STN, VF GRN, WEAK DK GLD FLUOR, V SLO BLU MLKY STRM CUT, FNT ODOR, TR CALC SH

PLSNT SH @ 4,328' MD

MRMNT GRP @ 4,353' MD

LS: MSTLY WHI-OFF WHI, SCAT TAN-LT CRM, OCC MTTLD THRU OUT, FN-VF 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-SLI BRI WHI FLUOR, DUL WEAK MLKY CUT, THN SPTD RES RING, WEAK PETRO ODOR.

ALTA @ 4,370' MD (-1,336')

SH: PRED MED GRY- GRY, SCAT DRK GRY, OCC GRN, FN- MED TXT, SCAT RGH TXT, SFT- MED SFT, SCAT BRTL, BLKY- BRTL, LS: 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

LS: BUFF-CRM, SME OFF WHT-WHT, SME DRTY GRY, VF-FN XLN, PRED BLKY-AMOR, SME FLKY, PRED MOD FRM-FRM, SME V FRM, PR INTRXLN POR, FNT SCAT WHT/GRNSH FLUOR, NO CUT, NO RES RING.

Pawnee @ 4,434' MD (-1,400')

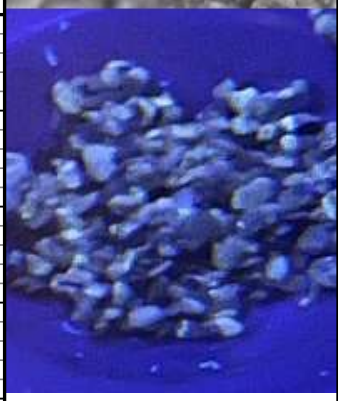
LS: WHT-OFF WHT, SME LT CRM, SME SLI DK BRN STN, MOTT GRY-BRN, VF XLN, FRM, SME FRI, OCC HRD, , V PR INTRXLN POR, TRAC FRAC POR, PR DULL-SLI BRI WHI FLUOR, DUL WEAK MLKY CUT, THN SPTD RES RING, WEAK PETRO ODOR.

FT. SCOTT @ 4,463' MD

CHEROKEE GRP @ 4,488' MD (-1,454')

KD
CG 20 U.
KD
KD
CG 14 U.
KD
CG 20 U.
FG 23 U.
0 MERIT ENERGY LLC CARRIR #15-4 100
KD
FG 24 U.
KD
CG 14 U.
KD
CG 14 U.


SAMPLE @4,350' MD



MUD WT: 9.3
VIS: 57

0 ROP (min/ft) 3
0 G/R (API) 150

4550
4600
4650
4700

LS: MSTLY WHI-OFF WHI, SCAT TAN-LT CRM, OCC MTTLD THRU OUT, FN-VF XLN, PRED MOD FRM-FRM, OCC HRD THRU OUT, SCAT MED-DRK GRY SH I.P., V PR INTRXLN POR, TRAC FRAC POR, PR DULL-SLI BRI WHI FLUOR, DUL WEAK MLKY CUT, THN SPT D RES RING, WEAK PETRO ODOR.

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

ATOKA @ 4,621' MD (-1,587')

LS: MSTLY LT GRY- MED GRY, SCAT TAN- LT CRM, OCC OFF WHT- WHT,FN-V FN 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

ATOKA SH @ 4,677' MD

SH: PRED MED GRY- GRY, SCAT DRK GRY, FN - MED TXT, SFT - MED SFT, SCAT BRTL, BLKY- SUB BLKY, LS SCAT THRU OUT.

MORROW GRP 4,715' (-1,681')

KD
CG 14 U.
KD
KD
KD
MERIT ENERGY LLC CARRIR #15-4
KD
CG 13 U.
10 SEC. TEST GAS AT SHAKERS 158 U.
KD
KD

0 ROP (min/ft) 3
0 G/R (API) 150

4750
4800
4850
4900

LS: MOFF WHT- MED GRY, SCAT TAN- LT CRM, CC C DRTY GRY, FN-V FN XLN, PRED MOD FRM-FRM, OCC HRD THRU OUT, SCAT MED-DRK GRY SH I.P, V PR INTRXLN POR, PR POR, DULL YEL FLUOR, NO CUT, NO RES RING

SS: LT GRY-MED GRY, SME LT TAN, HRD-DNS, SME BRIT, F-VF GRN, FR SORTED, VRY LMY, DULL PAL YLW FLUOR, PR INTGRAN POR, TR GLAU, NO VIS CUT, NO ODOR.

SH: LT GRY, SME BRN , SME MOTT BRN-CRM, SME BRN-BLK STN, FNT GLD-YLW FL UOR, NO C UT, NO ODOR.

LS: CRM-OFF WHT, SME LT GRY-TAN, HRD-DNS, SME BRIT, F-VF GRN, FR SORTED, VRY LMY, FR SORTED, SME PYR, NO VIS POR, DULL YLW FLUOR, NO CUT, NO ODOR.

ST GEN @ 4,861' MD (-1,827')

LS: CRM-OFF WHT, SME LT GRY-TAN, HRD-DNS, SME BRIT, F-VF GRN, FR SORTED, VRY LMY, FR SORTED, SME PYR, NO VIS POR, DULL YLW FLUOR, NO CUT, NO ODOR.

LS: OFF WHT-CRM, SM E LT, FN-V CARRN, SME MICRO XLN, SME SUCR, OPA IP, MSTLY FRM-MOD FRM, SME HRD, TRC SFT, SLI BRTL, SME DK GRY, T RC PR-SL I FR INTRXLN POR, GRN-DUL GLD FLUOR, V SLOW DULL MLKY WHI CUT, PR SPTTY WHI RES RING, TR CARB SH.

KD
KD
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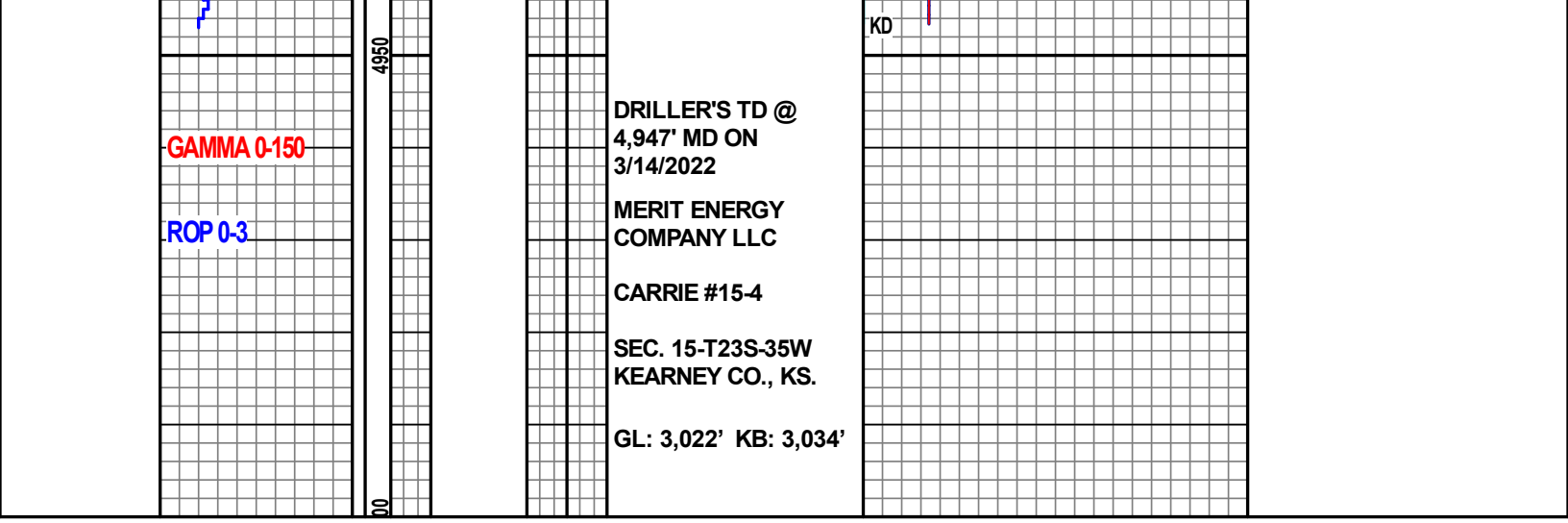
KD
KD

0 MERIT ENERGY LLC CARRIR #15-4 100


GAMMA 0-150
ROP 0-3
4950
KD
DRILLER'S TD @
4,947' MD ON
3/14/2022
MERIT ENERGY
COMPANY LLC
CARRIE #15-4
SEC. 15-T23S-35W
KEARNEY CO., KS.
GL: 3,022' KB: 3,034'

QUASAR ENERGY SERVICES, INC.
3288 FM 51
Gainesville, Texas 76240
Office: 940-612-3336
Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

3/12/22

CEMENTING JOB LOG

CEMENTING JOB LOG

Company:	MERIT ENERGY CO.			**Well Name:**	CARRIE 15-4
Type Job:	Cement- Surface			**AFE #:**	
CASING DATA					
Size:	8 5/8	Grade:	J-55	Weight:	24
Casing Depths	Top:	Bottom:	1811		
Drill Pipe:	Size:	Weight:			
Tubing:	Size:	Weight:		Grade:	TD (ft): 1822
Open Hole:	Size: 12 1/4	T.D. (ft):	1822		
Perforations	From (ft):	To:		Packer Depth(ft):	

CEMENT DATA

Spacer Type:							
Amt.		Sks Yield		$ft^3/_{sk}$		Density (PPG)	
LEAD:	CLASS A 2%GYP, 2%SMS, 2%CC, 1/4#POLY					Excess	
Amt.	530	Sks Yield	2.39	$ft^3/_{sk}$		Density (PPG)	12.12
TAIL:	CLASS A 2%CC, 1/4#POLY					Excess	
Amt.	170	Sks Yield	1.19	$ft^3/_{sk}$		Density (PPG)	15.69

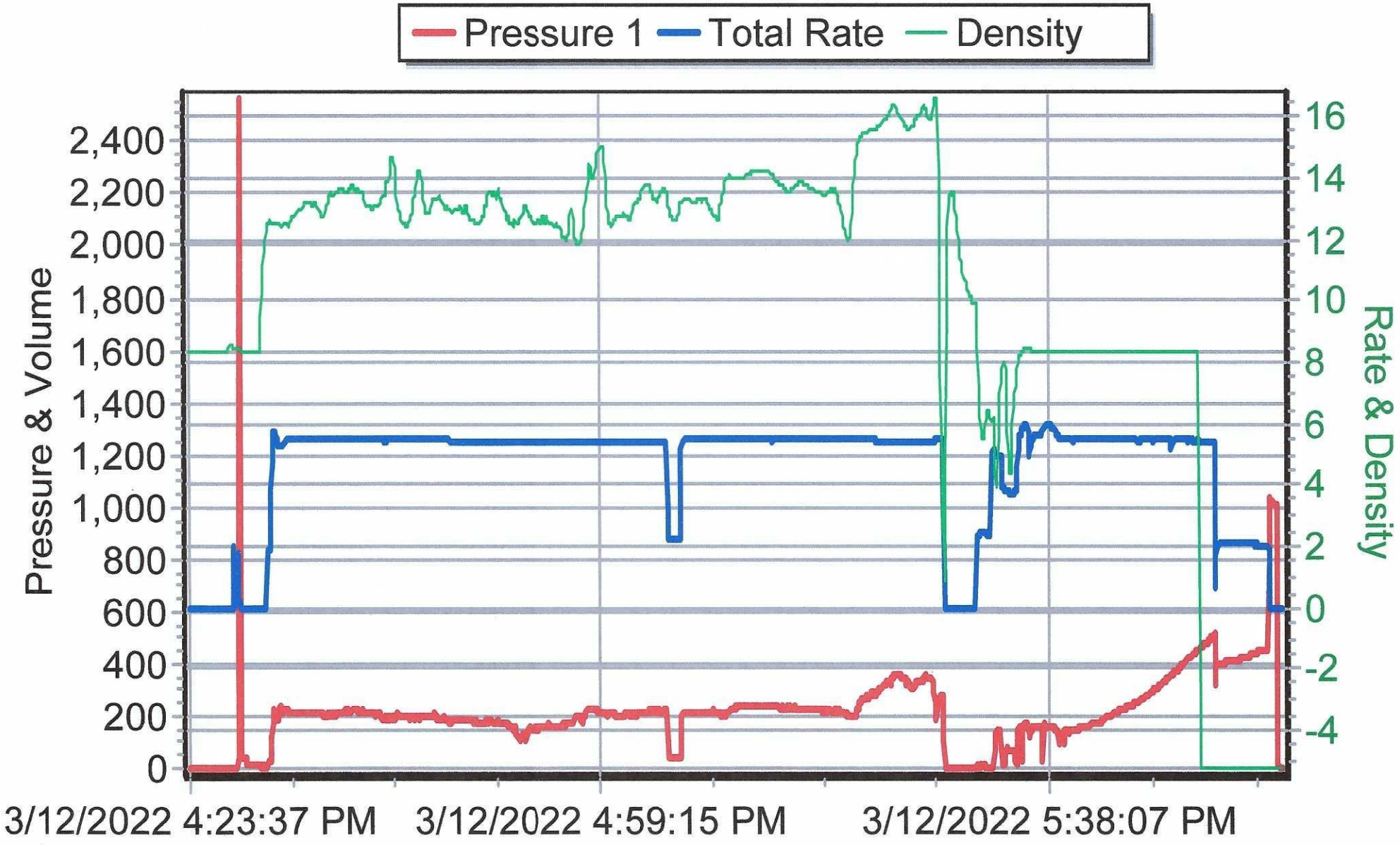
WATER:									
Lead:	14	gals/sk:	177	Tail:	5.2	gals/sk:	21	Total (bbls):	198
Pump Trucks Used:	210 DP11								
Bulk Equipment:	228 660-20 229 660-23								
Disp. Fluid Type:	FRESH			Amt. (Bbls.)	112.6		Weight (PPG):	8.3	
Mud Type:							Weight (PPG):		

COMPANY REPRESENTATIVE: RODNEY GONZALES **CEMENTER:** CHAD HINZ

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
1415						ON LOC, SAFTEY MTG, R.U.
1625	2500					TEST LINES
1629	205				5.2	START LEAD
1719	202			225.6	5.5	START TAIL
1728				36		SHUT DOWN, DROP PLUG, WASHUP
1730	80				5.5	START DISPLACEMENT, WASHUP
1751	400			102	2	SLOW RATE
1755	430-1017			112.5		PLUG DOWN
1758						RELEASE PSI, FLOAT HELD
						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!!

C-FC
50 BBLS
Cement

MERIT ENERGY
CARRIE 15-4 8 5/8



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Form 185-2c

3/15/22
CEMENTING JOB LOG

CEMENTING JOB LOG

Company:	MERIT ENERGY COMPANY			**Well Name:**	CARRIE #15-4
Type Job:	Cement- Production			**AFE #:**	

CASING DATA

Size:	5 1/2		Grade:	J55	Weight:	17	
Casing Depths	Top:	43.08	Bottom:	4934			
Drill Pipe:	Size:		Weight:				
Tubing:	Size:		Weight:		Grade:	TD (ft):	4947
Open Hole:	Size:	7 7/8	T.D. (ft):	4947			
Perforations	From (ft):		To:		Packer Depth(ft):		

CEMENT DATA

Spacer Type:	SS FLUSH						
Amt.	12 BBL	Sks Yield		$ft^3/_{sk}$		Density (PPG)	
LEAD:	CLASS A -- 6% GYP,10% SALT, 5# KOLSEAL, 2% GEL, .5# C15, 1/4# CELL					Excess	
Amt.	210	Sks Yield	1.57	$ft^3/_{sk}$		Density (PPG)	14.8
TAIL:	CLASS A -- 60/40-4 -- FOR RAT AND MOUSE					Excess	
Amt.	50	Sks Yield	1.5	$ft^3/_{sk}$		Density (PPG)	13.5

WATER:									
Lead:		gals/sk:	7.1	Tail:		gals/sk:	7.5	Total (bbls):	
Pump Trucks Used:	110 -- DP7								
Bulk Equipment:	189 -- 660-21								
Disp. Fluid Type:	KCL WATER			Amt. (Bbls.)	113.4		Weight (PPG):	8.33	
Mud Type:							Weight (PPG):		

COMPANY REPRESENTATIVE: RODNEY **CEMENTER:** KIRBY HARPER

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
2200						ON LOCATION -- SPOT AND RIG UP
2030						CASING ON BOTTOM -- BREAK CIRC
2247	2600					PRESSURE TEST
2248	200			5	4	START PUMPING 5 BBL WATER
2250	200			12	4	START PUMPING 12 BBL SS FLUSH
2254	200			5	4	START PUMPING 5 BBL WATER
2300				13	3	SHUT DOWN -- PLUG RAT AND MOUSE
2314	300			59	5	START MIXING 210 SK LEAD @ 14.8 PPG
2327						SHUT DOWN -- CLEAN LINES -- DROP PLUG
2335	200			0	5.5	START DISPLACING WITH KCL WATER
2348	300			77	5	DISPLACEMENT REACHES CEMENT
2354	700			103	2	SLOW RATE
0003	800-1100			113		BUMP PLUG
0004	1100-0					RELEASE PRESSURE -- FLOAT HELD

MERIT ENERGY COMPANY
CARRIE 15-4
5.5" PRODUCTION
03/15/2022