KOLAR Document ID: 1510413

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 #: E32,925
☐ GSW Permit #:

11/19/2019	11/23/2019	12/12/2019
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-081-22207-00-00
Spot Description:
NW SE NW SE Sec. 4 Twp. 28 S. R. 34 ☐ East ☑ West
1843 Feet from ☐ North / ☑ South Line of Section
1859 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: Haskell
Lease Name: WENU Well #: 505
Field Name: EUBANK NORTH
Producing Formation: L. MORROW
Elevation: Ground: 3077 Kelly Bushing: 3089
Total Vertical Depth: 5580 Plug Back Total Depth: 5450
Amount of Surface Pipe Set and Cemented at: 1755 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 4772 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: 1750 ppm Fluid volume: 400 bbls
Dewatering method used: Evaporated
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: 03/18/2020
☐ **Confidential Release Date:** 03/18/2022
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☑ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Rene Stucky **Date:** 04/04/2020

Operator Name: Merit Energy Company, LLC Lease Name: WENU Well #: 505

Sec. 4 Twp. 28 S. R. 34 ☐ East ☑ West County: Haskell

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	1755	A/C	670	SEE ATTACHED
Production	7.875	5.5	17	5575	H/POZ	278	50 SX 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: 1/27/2020	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* INJECTING				
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)*	5361	5384

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)*
3	5361	5371			L.MORROW/FRAC- 230 BBLS TOTAL LOAD, TOTAL X-FRAC 215 BBLS, TOTAL L-FRAC 15 BBLS, TOTAL 16/30 15,000 LBS, TOTAL N2 48:
3	5380	5384			" " " " "
			CIBP Cast Iron Bridge Plug	5450	
7	5459	5466			

TUBING RECORD:	Size:	Set At:	Packer At:
	2.3750	5336	5336

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

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 505
Doc ID	1510413

All Electric Logs Run

ANNULAR HOLE VOLUME
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 LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 505
Doc ID	1510413

Tops

Name	Top	Datum
HEEBNER	4025	.
LANSING	4131	.
SWOPE	4539	.
HERTHA	4610	.
MARMATON	4693	.
CHEROKEE	4858	.
ATOKA	5038	.
MORROW	5190	.
TOP WEENU	5362	.
CHESTER LIME	5398	.
CHESTER LIME BASE	5441	.
ST GENEVIEVE	5470	.

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 505
Doc ID	1510413

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	1755	A/C	670	SEE ATTACHED
Production	7.875	5.5	17	5575	H/POZ	278	50 SX RH/SEE ATTACHED

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

Well Name:	WENU 505		
Well Id:			
Location:	Sec. 4 T28S R34W, Haskell Co., Kansas		
License Number:	15-081-22207	Region:	Wildcat
Spud Date:	Nov. 20th, 2019	Drilling Completed:	Nov. 24th, 2019
Surface Coordinates:	NW SE NW SE		
Bottom Hole Coordinates:			
Ground Elevation (ft):	3077'	K.B. Elevation (ft):	3089'
Logged Interval (ft):	4000' To: 5580'	Total Depth (ft):	5580'
Formation:	Morrow		
Type of Drilling Fluid:	Natural Chemical		

OPERATOR

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

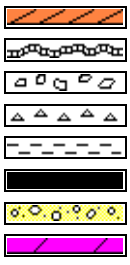
GEOLOGIST

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

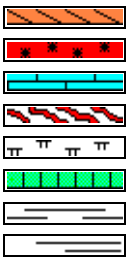
SURVEYS

1872' INC 0.8 AZI 332.1
2029' INC 0.2 AZI 2.1
2189' INC 0.3 AZI 37.1
2343' INC 0.3 AZI 9.1
2502' INC 0.3 AZI 333.1
2659' INC 0.6 AZI 3.1
2882' INC 0.4 AZI 15.1
3038' INC 0.4 AZI 358.1
3227' INC 0.8 AZI 359.1
3538' INC 0.5 AZI 358.1
3695' INC 0.3 AZI 351.1
3850' INC 0.1 AZI 96.1
4008' INC 0.1 AZI 5.1
4162' INC 0.3 AZI 276.3
4319' INC 0.5 AZI 273.1
4478' INC 0.6 AZI 277.1
4634' INC 0.3 AZI 334.3
4789' INC 0.2 AZI 28.1
4944' INC 0.5 AZI 272.1
5101' INC 0.5 AZI 325.1
5259' INC 0.5 AZI 324.1
5417' INC 1.2 AZI 323.1
5543' INC 1.2 AZI 316.1

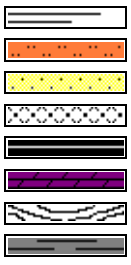
ROCK TYPES



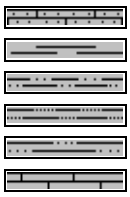
Anhy
Bent
Brec
Cht
Clyst
Coal
Congl
Dol



Gyp
Igne
Lmst
Meta
Mrlst
Salt
Shale
Shcol



Shgy
Sltst
Ss
Till
Carb sh
Dol
Dtd
Gry sh



Sandylms
Shale
Sltstn
Shlyslts
Sltysh
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
- Slty

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

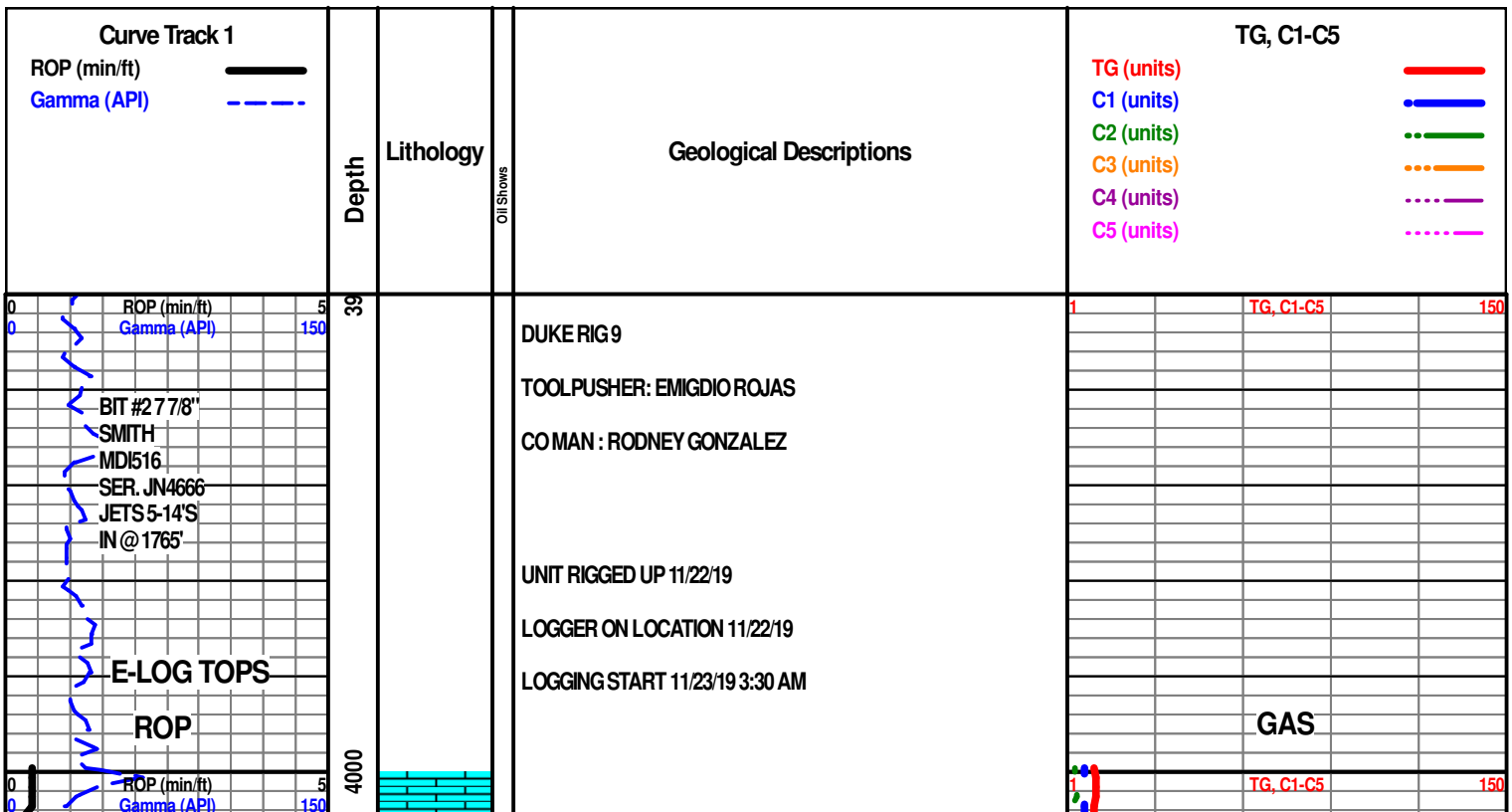
SORTING
- Well
- Moderate
- Poor

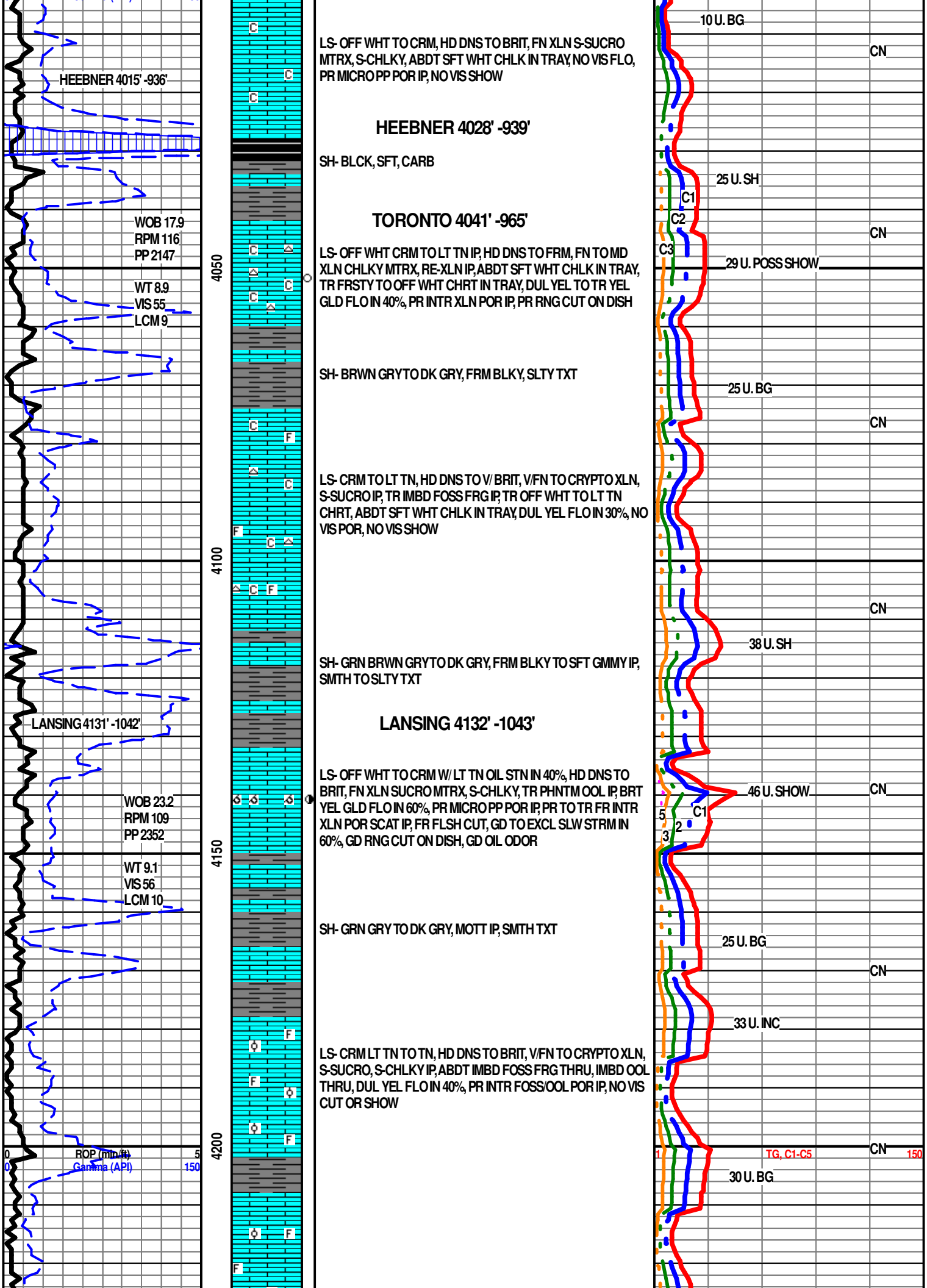
ROUNDING
- Rounded
- Subrnd
- Subang
- Angular

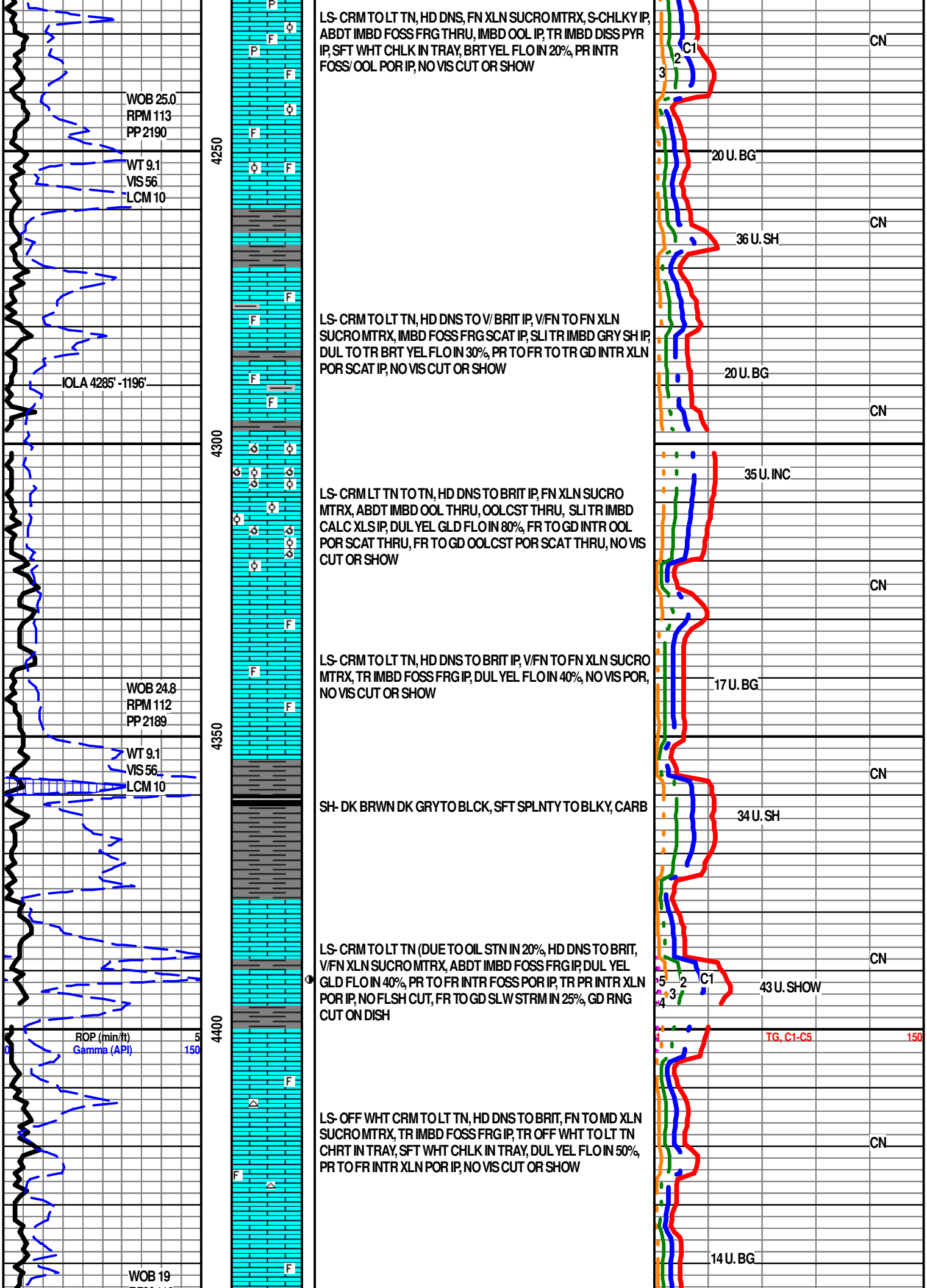
OIL SHOWS
- Even
- Spotted
- Ques
- Dead
- Gas show

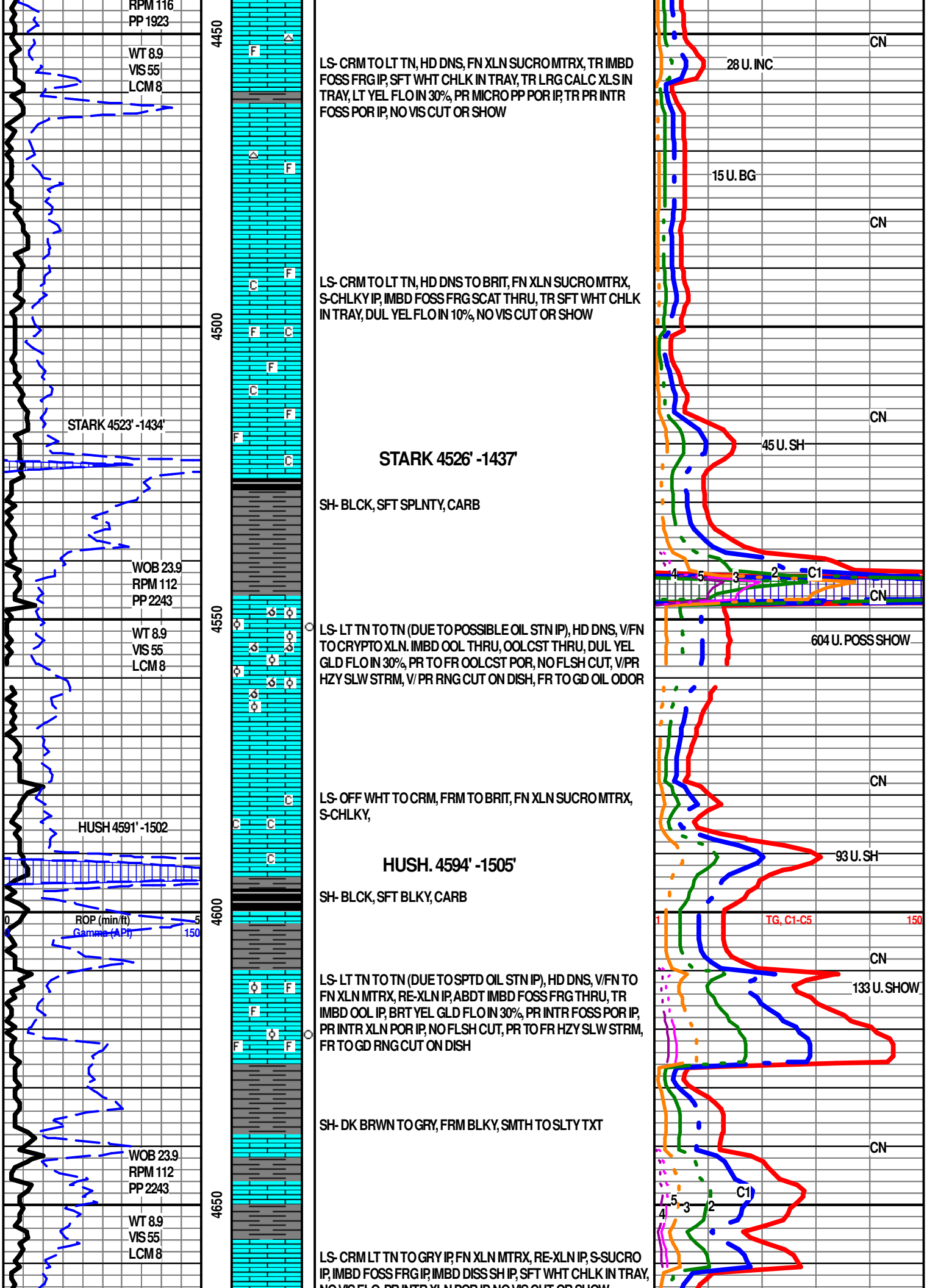
INTERVALS
- Core
- Dst
- Dst

EVENTS
- Rft
- Sidewall




HEEBNER 4015' -936'
WOB 17.9
RPM 116
PP 2147
WT 8.9
VIS 55
LCM 9
LANSING 4131' -1042'
WOB 23.2
RPM 109
PP 2352
WT 9.1
VIS 56
LCM 10
0
ROP (min/ft)
5
0
Gamma (API)
150
4050
4100
4150
4200
LS- OFF WHT TO CRM, HD DNS TO BRIT, FN XLN S-SUCRO MTRX, S-CHLKY, ABDT SFT WHT CHLK IN TRAY, NO VIS FLO, PR MICRO PP POR IP, NO VIS SHOW
HEEBNER 4028' -939'
SH- BLCK, SFT, CARB
TORONTO 4041' -965'
LS- OFF WHT CRM TO LT TN IP, HD DNS TO FRM, FN TO MD XLN CHLKY MTRX, RE-XLN IP, ABDT SFT WHT CHLK IN TRAY, TR FRSTY TO OFF WHT CHRT IN TRAY, DUL YEL TO TR YEL GLD FLO IN 40%, PR INTR XLN POR IP, PR RNG CUT ON DISH
SH- BRWN GRY TO DK GRY, FRM BLKY, SLTY TXT
LS- CRM TO LT TN, HD DNS TO V/ BRIT, V/FN TO CRYPTO XLN, S-SUCRO IP, TR IMBD FOSS FRG IP, TR OFF WHT TO LT TN CHRT, ABDT SFT WHT CHLK IN TRAY, DUL YEL FLO IN 30%, NO VIS POR, NO VIS SHOW
SH- GRN BRWN GRY TO DK GRY, FRM BLKY TO SFT GMMY IP, SMTH TO SLTY TXT
LANSING 4132' -1043'
LS- OFF WHT TO CRM W/ LT TN OIL STN IN 40%, HD DNS TO BRIT, FN XLN SUCRO MTRX, S-CHLKY, TR PHNTM OOL IP, BRT YEL GLD FLO IN 60%, PR MICRO PP POR IP, PR TO TR FR INTR XLN POR SCAT IP, FR FLSH CUT, GD TO EXCL SLW STRM IN 60%, GD RNG CUT ON DISH, GD OIL ODOR
SH- GRN GRY TO DK GRY, MOTT IP, SMTH TXT
LS- CRM LT TN TO TN, HD DNS TO BRIT, V/FN TO CRYPTO XLN, S-SUCRO, S-CHLKY IP, ABDT IMBD FOSS FRG THRU, IMBD OOL THRU, DUL YEL FLO IN 40%, PR INTR FOSS/OOL POR IP, NO VIS CUT OR SHOW
10 U. BG
CN
25 U. SH
C1
C2
C3
CN
29 U. POSS SHOW
25 U. BG
CN
CN
38 U. SH
46 U. SHOW
CN
5
2
3
C1
25 U. BG
CN
33 U. INC
1
TG, C1-C5
150
CN
30 U. BG


WOB 25.0
RPM 113
PP 2190
WT 9.1
VIS 56
LCM 10
IOLA 4285' -1196'
WOB 24.8
RPM 112
PP 2189
WT 9.1
VIS 56
LCM 10
ROP (min/ft) 5
0 Gamma (API) 150
WOB 19
4250
4300
4350
4400
LS- CRM TO LT TN, HD DNS, FN XLN SUCRO MTRX, S-CHLKY IP, ABDT IMBD FOSS FRG THRU, IMBD OOL IP, TR IMBD DISS PYR IP, SFT WHT CHLK IN TRAY, BRT YEL FLO IN 20%, PR INTR FOSS/ OOL POR IP, NO VIS CUT OR SHOW
20 U. BG
36 U. SH
LS- CRM TO LT TN, HD DNS TO V/ BRIT IP, V/FN TO FN XLN SUCRO MTRX, IMBD FOSS FRG SCAT IP, SLI TR IMBD GRY SH IP, DUL TO TR BRT YEL FLO IN 30%, PR TO FR TO TR GD INTR XLN POR SCAT IP, NO VIS CUT OR SHOW
20 U. BG
35 U. INC
LS- CRM LT TN TO TN, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, ABDT IMBD OOL THRU, OOLCST THRU, SLI TR IMBD CALC XLS IP, DUL YEL GLD FLO IN 80%, FR TO GD INTR OOL POR SCAT THRU, FR TO GD OOLCST POR SCAT THRU, NO VIS CUT OR SHOW
LS- CRM TO LT TN, HD DNS TO BRIT IP, V/FN TO FN XLN SUCRO MTRX, TR IMBD FOSS FRG IP, DUL YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW
17 U. BG
SH- DK BRWN DK GRY TO BLCK, SFT SPLNTY TO BLKY, CARB
34 U. SH
LS- CRM TO LT TN (DUE TO OIL STN IN 20%, HD DNS TO BRIT, V/FN XLN SUCRO MTRX, ABDT IMBD FOSS FRG IP, DUL YEL GLD FLO IN 40%, PR TO FR INTR FOSS POR IP, TR PR INTR XLN POR IP, NO FLSH CUT, FR TO GD SLW STRM IN 25%, GD RNG CUT ON DISH
43 U. SHOW
TG, C1-C5
1 150
LS- OFF WHT CRM TO LT TN, HD DNS TO BRIT, FN TO MD XLN SUCRO MTRX, TR IMBD FOSS FRG IP, TR OFF WHT TO LT TN CHRT IN TRAY, SFT WHT CHLK IN TRAY, DUL YEL FLO IN 50%, PR TO FR INTR XLN POR IP, NO VIS CUT OR SHOW
14 U. BG
C1
2
3
CN
5
4


RPM 116
PP 1923
WT 8.9
VIS 55
LCM 8
4450
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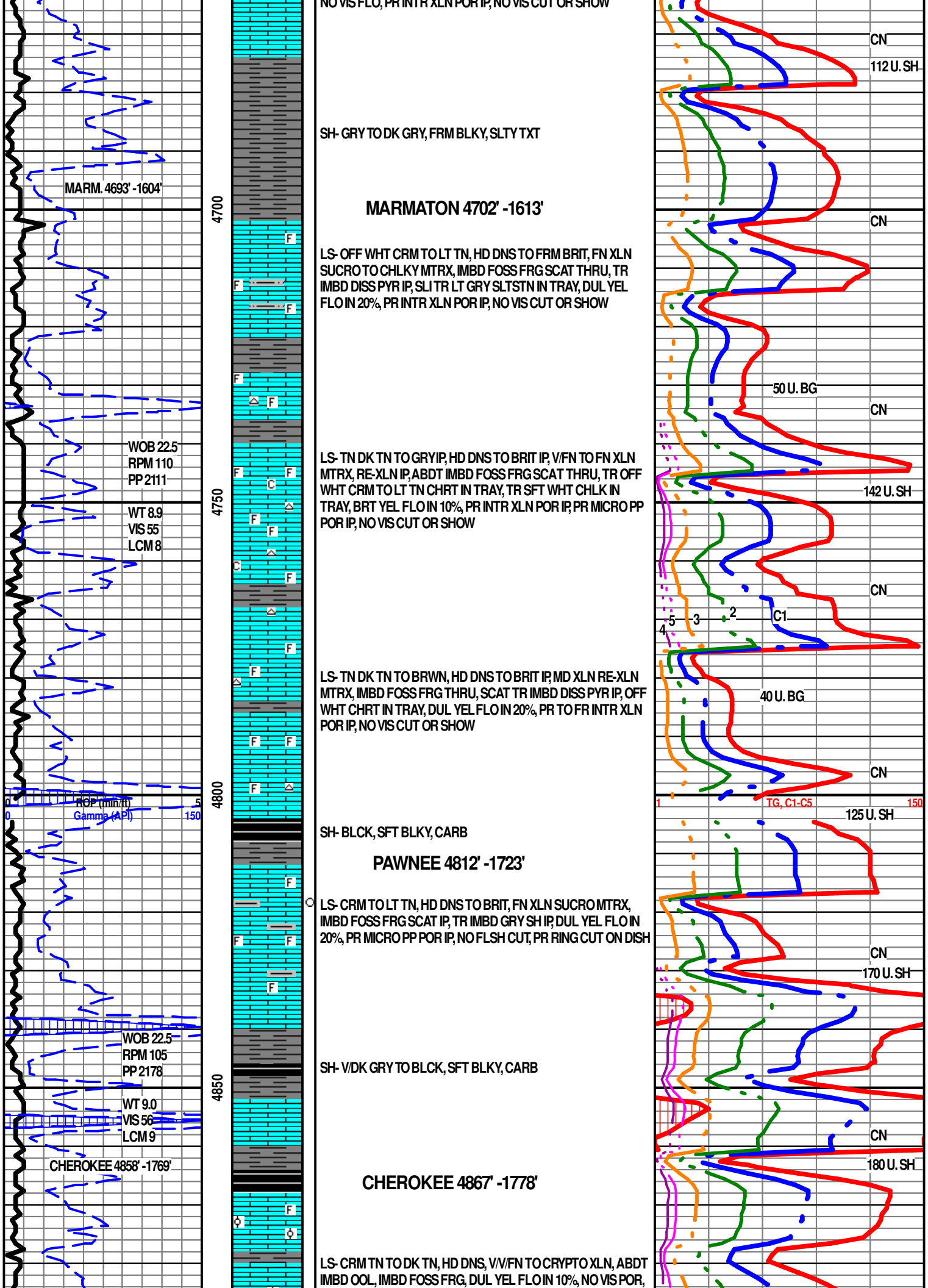
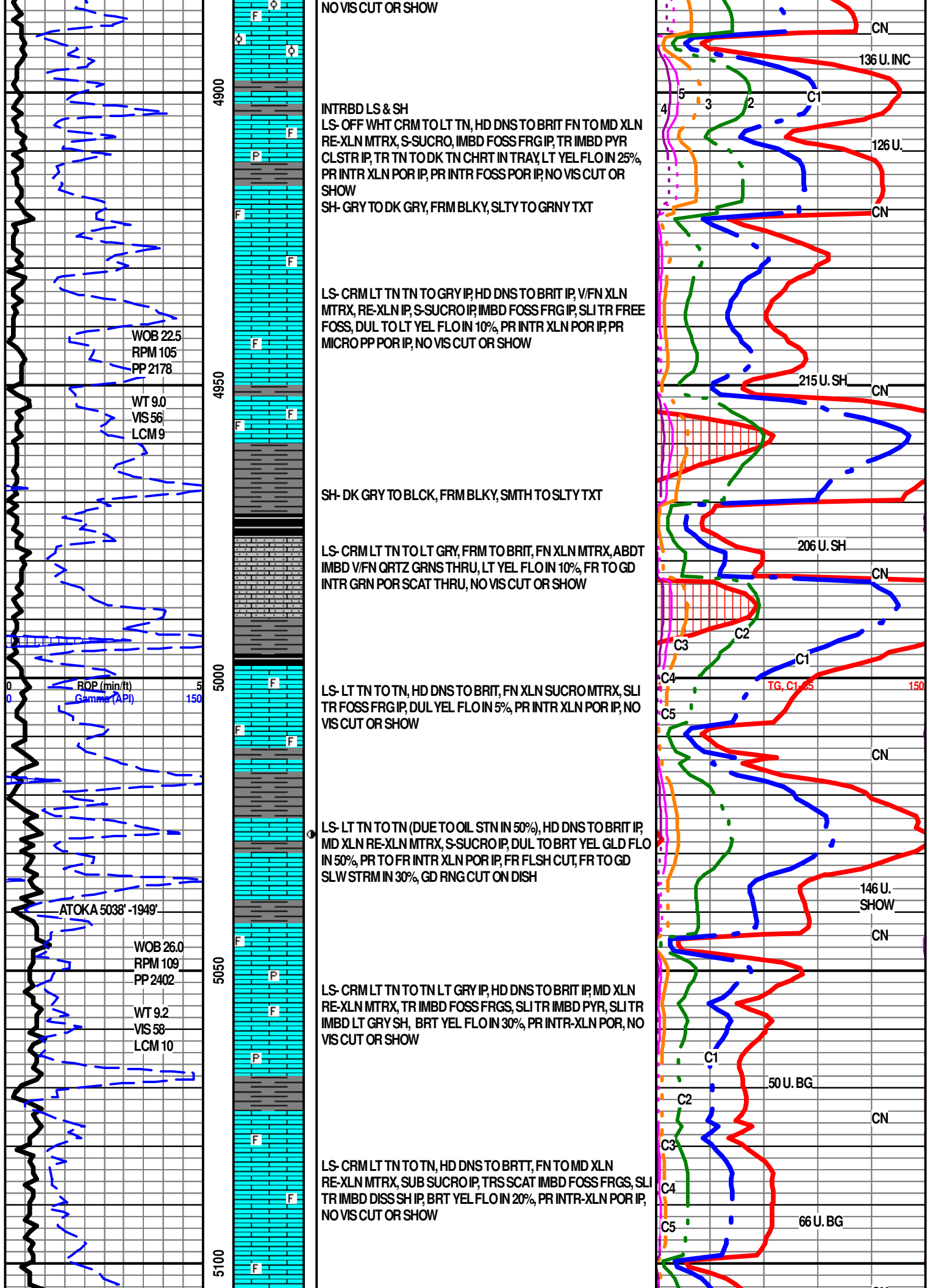
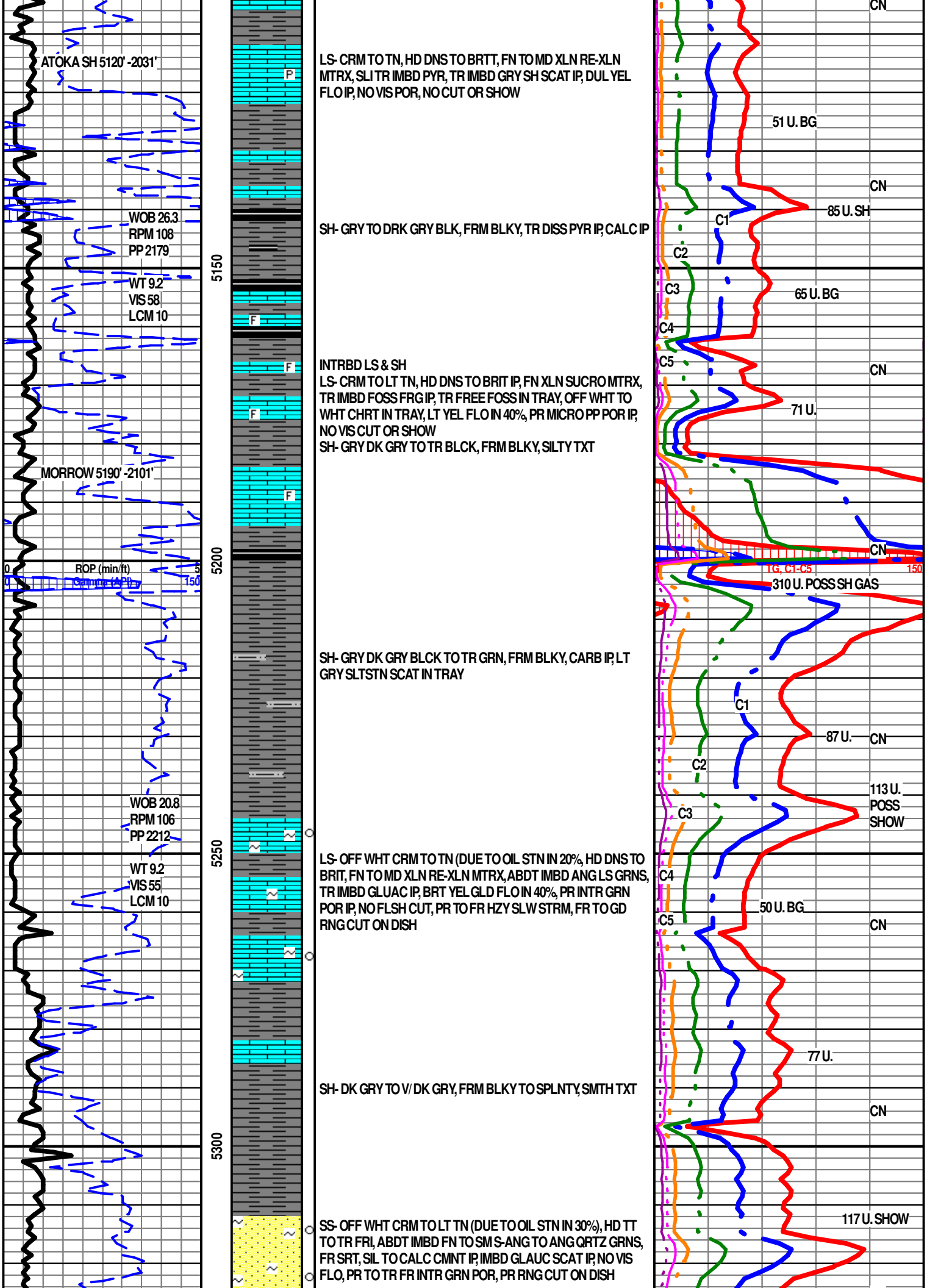
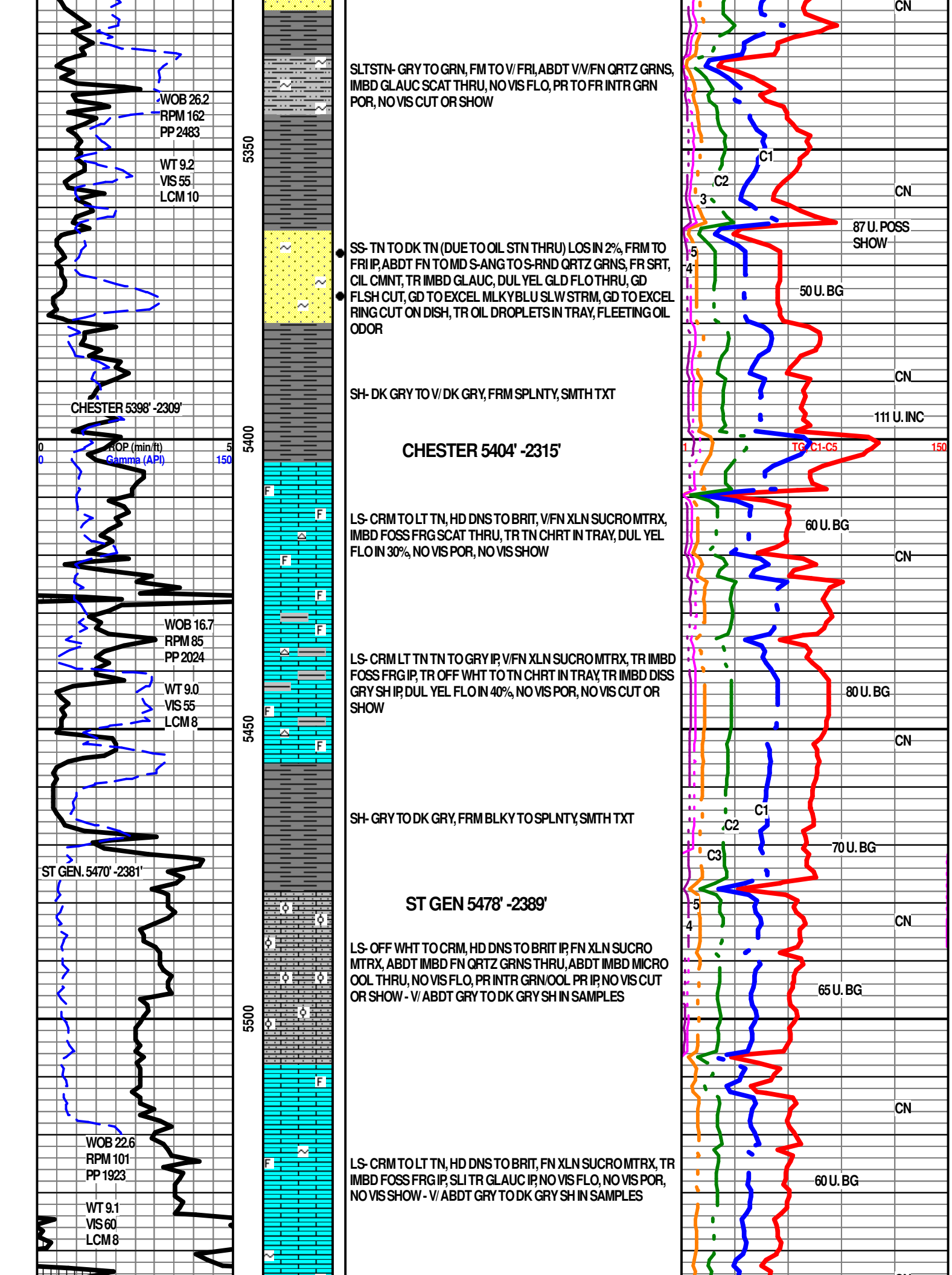
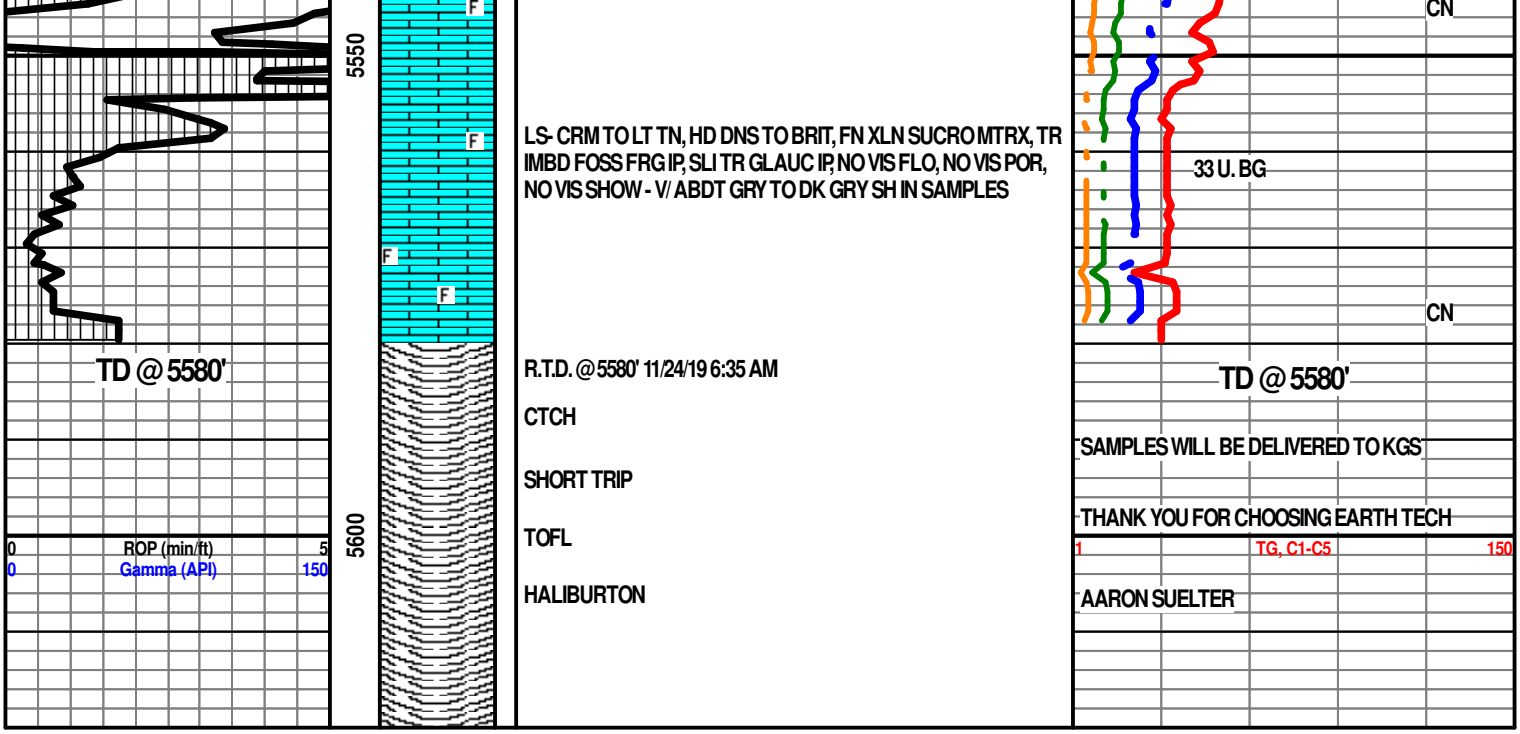
28 U. INC
CN
15 U. BG
CN
4500
LS- CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, S-CHLKY IP, IMBD FOSS FRG SCAT THRU, TR SFT WHT CHLK IN TRAY, DUL YEL FLO IN 10%, NO VIS CUT OR SHOW
STARK 4523' -1434'
STARK 4526' -1437'
CN
45 U. SH
SH- BLCK, SFT SPLNTY, CARB
WOB 23.9
RPM 112
PP 2243
4
5
3
2
C1
CN
4550
WT 8.9
VIS 55
LCM 8
LS- LT TN TO TN (DUE TO POSSIBLE OIL STN IP), HD DNS, V/FN TO CRYPTO XLN. IMBD OOL THRU, OOLCST THRU, DUL YEL GLD FLO IN 30%, PR TO FR OOLCST POR, NO FLSH CUT, V/PR HZY SLW STRM, V/ PR RNG CUT ON DISH, FR TO GD OIL ODOR
604 U. POSS SHOW
CN
LS- OFF WHT TO CRM, FRM TO BRIT, FN XLN SUCRO MTRX, S-CHLKY,
HUSH 4591' -1502
HUSH. 4594' -1505'
93 U. SH
SH- BLCK, SFT BLKY, CARB
0
ROP (min/ft)
5
Gamma (API)
150
4600
1
TG, C1-C5
150
CN
LS- LT TN TO TN (DUE TO SPTD OIL STN IP), HD DNS, V/FN TO FN XLN MTRX, RE-XLN IP, ABDT IMBD FOSS FRG THRU, TR IMBD OOL IP, BRT YEL GLD FLO IN 30%, PR INTR FOSS POR IP, PR INTR XLN POR IP, NO FLSH CUT, PR TO FR HZY SLW STRM, FR TO GD RNG CUT ON DISH
133 U. SHOW
SH- DK BRWN TO GRY, FRM BLKY, SMTH TO SLTY TXT
CN
WOB 23.9
RPM 112
PP 2243
5
3
2
C1
4
4650
WT 8.9
VIS 55
LCM 8
LS- CRM LT TN TO GRY IP, FN XLN MTRX, RE-XLN IP, S-SUCRO IP, IMBD FOSS FRG IP, IMBD DISS SH IP, SFT WHT CHLK IN TRAY,


NO VIS FLO, PR INTR XLN POR IP, NO VIS CUT OR SHOW
CN
112 U. SH
SH- GRY TO DK GRY, FRM BLKY, SLTY TXT
MARM. 4693' -1604'
MARMATON 4702' -1613'
4700
CN
LS- OFF WHT CRM TO LT TN, HD DNS TO FRM BRIT, FN XLN SUCRO TO CHLKY MTRX, IMBD FOSS FRG SCAT THRU, TR IMBD DISS PYR IP, SLI TR LT GRY SLTSTN IN TRAY, DUL YEL FLO IN 20%, PR INTR XLN POR IP, NO VIS CUT OR SHOW
50 U. BG
CN
WOB 22.5
RPM 110
PP 2111
WT 8.9
VIS 55
LCM 8
4750
LS- TN DK TN TO GRY IP, HD DNS TO BRIT IP, V/FN TO FN XLN MTRX, RE-XLN IP, ABDT IMBD FOSS FRG SCAT THRU, TR OFF WHT CRM TO LT TN CHRT IN TRAY, TR SFT WHT CHLK IN TRAY, BRT YEL FLO IN 10%, PR INTR XLN POR IP, PR MICRO PP POR IP, NO VIS CUT OR SHOW
142 U. SH
CN
5
3
2
C1
4
LS- TN DK TN TO BRWN, HD DNS TO BRIT IP, MD XLN RE-XLN MTRX, IMBD FOSS FRG THRU, SCAT TR IMBD DISS PYR IP, OFF WHT CHRT IN TRAY, DUL YEL FLO IN 20%, PR TO FR INTR XLN POR IP, NO VIS CUT OR SHOW
40 U. BG
CN
4800
ROP (min/ft)
Gamma (API)
TG, C1-C5
125 U. SH
SH- BLCK, SFT BLKY, CARB
PAWNEE 4812' -1723'
LS- CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, IMBD FOSS FRG SCAT IP, TR IMBD GRY SH IP, DUL YEL FLO IN 20%, PR MICRO PP POR IP, NO FLSH CUT, PR RING CUT ON DISH
CN
170 U. SH
WOB 22.5
RPM 105
PP 2178
WT 9.0
VIS 56
LCM 9
4850
SH- V/DK GRY TO BLCK, SFT BLKY, CARB
CN
180 U. SH
CHEROKEE 4858' -1769'
CHEROKEE 4867' -1778'
LS- CRM TN TO DK TN, HD DNS, V/V/FN TO CRYPTO XLN, ABDT IMBD OOL, IMBD FOSS FRG, DUL YEL FLO IN 10%, NO VIS POR,


NO VIS CUT OR SHOW
CN
136 U. INC
INTRBD LS & SH
LS- OFF WHT CRM TO LT TN, HD DNS TO BRIT FN TO MD XLN RE-XLN MTRX, S-SUCRO, IMBD FOSS FRG IP, TR IMBD PYR CLSTR IP, TR TN TO DK TN CHRT IN TRAY, LT YEL FLO IN 25%, PR INTR XLN POR IP, PR INTR FOSS POR IP, NO VIS CUT OR SHOW
SH- GRY TO DK GRY, FRM BLKY, SLTY TO GRNY TXT
C1
126 U.
CN
WOB 22.5
RPM 105
PP 2178
LS- CRM LT TN TN TO GRY IP, HD DNS TO BRIT IP, V/FN XLN MTRX, RE-XLN IP, S-SUCRO IP, IMBD FOSS FRG IP, SLI TR FREE FOSS, DUL TO LT YEL FLO IN 10%, PR INTR XLN POR IP, PR MICRO PP POR IP, NO VIS CUT OR SHOW
215 U. SH
CN
WT 9.0
VIS 56
LCM 9
SH- DK GRY TO BLCK, FRM BLKY, SMTH TO SLTY TXT
LS- CRM LT TN TO LT GRY, FRM TO BRIT, FN XLN MTRX, ABDT IMBD V/FN QRTZ GRNS THRU, LT YEL FLO IN 10%, FR TO GD INTR GRN POR SCAT THRU, NO VIS CUT OR SHOW
206 U. SH
CN
C3
C2
C1
C4
C5
ROP (min/ft)
Gamma (API)
TG, C1-C5
LS- LT TN TO TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, SLI TR FOSS FRG IP, DUL YEL FLO IN 5%, PR INTR XLN POR IP, NO VIS CUT OR SHOW
CN
LS- LT TN TO TN (DUE TO OIL STN IN 50%), HD DNS TO BRIT IP, MD XLN RE-XLN MTRX, S-SUCRO IP, DUL TO BRT YEL GLD FLO IN 50%, PR TO FR INTR XLN POR IP, FR FLSH CUT, FR TO GD SLW STRM IN 30%, GD RNG CUT ON DISH
146 U.
SHOW
CN
ATOKA 5038' -1949'
WOB 26.0
RPM 109
PP 2402
WT 9.2
VIS 58
LCM 10
LS- CRM LT TN TO TN LT GRY IP, HD DNS TO BRIT IP, MD XLN RE-XLN MTRX, TR IMBD FOSS FRGS, SLI TR IMBD PYR, SLI TR IMBD LT GRY SH, BRT YEL FLO IN 30%, PR INTR-XLN POR, NO VIS CUT OR SHOW
C1
50 U. BG
C2
CN
C3
C4
LS- CRM LT TN TO TN, HD DNS TO BRTT, FN TO MD XLN RE-XLN MTRX, SUB SUCRO IP, TRS SCAT IMBD FOSS FRGS, SLI TR IMBD DISS SH IP, BRT YEL FLO IN 20%, PR INTR-XLN POR IP, NO VIS CUT OR SHOW
C5
66 U. BG
4900
4950
5000
5050
5100


ATOKA SH 5120' -2031'
WOB 26.3
RPM 108
PP 2179
WT 9.2
VIS 58
LCM 10
MORROW 5190' -2101'
ROP (min/ft)
Gamma (API)
WOB 20.8
RPM 106
PP 2212
WT 9.2
VIS 55
LCM 10
5150
5200
5250
5300
LS- CRM TO TN, HD DNS TO BRTT, FN TO MD XLN RE-XLN MTRX, SLI TR IMBD PYR, TR IMBD GRY SH SCAT IP, DUL YEL FLO IP, NO VIS POR, NO CUT OR SHOW
SH- GRY TO DRK GRY BLK, FRM BLKY, TR DISS PYR IP, CALC IP
INTRBD LS & SH
LS- CRM TO LT TN, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, TR IMBD FOSS FRG IP, TR FREE FOSS IN TRAY, OFF WHT TO WHT CHRT IN TRAY, LT YEL FLO IN 40%, PR MICRO PP POR IP, NO VIS CUT OR SHOW
SH- GRY DK GRY TO TR BLCK, FRM BLKY, SILTY TXT
SH- GRY DK GRY BLCK TO TR GRN, FRM BLKY, CARB IP, LT GRY SLTSTN SCAT IN TRAY
LS- OFF WHT CRM TO TN (DUE TO OIL STN IN 20%, HD DNS TO BRIT, FN TO MD XLN RE-XLN MTRX, ABDT IMBD ANG LS GRNS, TR IMBD GLUAC IP, BRT YEL GLD FLO IN 40%, PR INTR GRN POR IP, NO FLSH CUT, PR TO FR HZY SLW STRM, FR TO GD RNG CUT ON DISH
SH- DK GRY TO V/ DK GRY, FRM BLKY TO SPLNTY, SMTH TXT
SS- OFF WHT CRM TO LT TN (DUE TO OIL STN IN 30%), HD TT TO TR FRI, ABDT IMBD FN TO SM S-ANG TO ANG QRTZ GRNS, FR SRT, SIL TO CALC CMNT IP, IMBD GLAUC SCAT IP, NO VIS FLO, PR TO TR FR INTR GRN POR, PR RNG CUT ON DISH
TG, C1-C5
51 U. BG
85 U. SH
65 U. BG
71 U.
310 U. POSS SH GAS
87 U.
113 U. POSS SHOW
50 U. BG
77 U.
117 U. SHOW
C1
C2
C3
C4
C5
CN


WOB 26.2
RPM 162
PP 2483
WT 9.2
VIS 55
LCM 10
CHESTER 5398' -2309'
0
ROP (min/ft)
5
0
Gamma (API)
150
WOB 16.7
RPM 85
PP 2024
WT 9.0
VIS 55
LCM 8
ST GEN. 5470' -2381'
WOB 22.6
RPM 101
PP 1923
WT 9.1
VIS 60
LCM 8
5350
5400
5450
5500
SLTSTN- GRY TO GRN, FM TO V/ FRI, ABDT V/V/FN QRTZ GRNS, IMBD GLAUC SCAT THRU, NO VIS FLO, PR TO FR INTR GRN POR, NO VIS CUT OR SHOW
SS- TN TO DK TN (DUE TO OIL STN THRU) LOS IN 2%, FRM TO FRI IP, ABDT FN TO MD S-ANG TO S-RND QRTZ GRNS, FR SRT, CIL CMNT, TR IMBD GLAUC, DUL YEL GLD FLO THRU, GD FLSH CUT, GD TO EXCEL MLKY BLU SLW STRM, GD TO EXCEL RING CUT ON DISH, TR OIL DROPLETS IN TRAY, FLEETING OIL ODOR
SH- DK GRY TO V/ DK GRY, FRM SPLNTY, SMTH TXT
CHESTER 5404' -2315'
LS- CRM TO LT TN, HD DNS TO BRIT, V/FN XLN SUCRO MTRX, IMBD FOSS FRG SCAT THRU, TR TN CHRT IN TRAY, DUL YEL FLO IN 30%, NO VIS POR, NO VIS SHOW
LS- CRM LT TN TN TO GRY IP, V/FN XLN SUCRO MTRX, TR IMBD FOSS FRG IP, TR OFF WHT TO TN CHRT IN TRAY, TR IMBD DISS GRY SH IP, DUL YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW
SH- GRY TO DK GRY, FRM BLKY TO SPLNTY, SMTH TXT
ST GEN 5478' -2389'
LS- OFF WHT TO CRM, HD DNS TO BRIT IP, FN XLN SUCRO MTRX, ABDT IMBD FN QRTZ GRNS THRU, ABDT IMBD MICRO OOL THRU, NO VIS FLO, PR INTR GRN/OOL PR IP, NO VIS CUT OR SHOW - V/ ABDT GRY TO DK GRY SH IN SAMPLES
LS- CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, TR IMBD FOSS FRG IP, SLI TR GLAUC IP, NO VIS FLO, NO VIS POR, NO VIS SHOW - V/ ABDT GRY TO DK GRY SH IN SAMPLES
F
C1
C2
C3
3
5
4
87 U. POSS SHOW
50 U. BG
111 U. INC
1
TG C1-C5
150
60 U. BG
80 U. BG
70 U. BG
65 U. BG
60 U. BG
CN


5550
5600
F
F
F
F
TD @ 5580'
0
ROP (min/ft)
5
0
Gamma (API)
150
LS- CRM TO LT TN, HD DNS TO BRIT, FN XLN SUCRO MTRX, TR IMBD FOSS FRG IP, SLI TR GLAUC IP, NO VIS FLO, NO VIS POR, NO VIS SHOW - V/ ABDT GRY TO DK GRY SH IN SAMPLES
R.T.D. @ 5580' 11/24/19 6:35 AM
CTCH
SHORT TRIP
TOFL
HALIBURTON
CN
33 U. BG
CN
TD @ 5580'
SAMPLES WILL BE DELIVERED TO KGS
THANK YOU FOR CHOOSING EARTH TECH
1
TG, C1-C5
150
AARON SUELTER

BASIC ENERGY SERVICES

PRESSURE PUMPING

Job Log

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

Customer:	Merit Energy	**Cement Pump No.:**	38119-33666	**Operator TRK No.:**	96815		
Address:	sublette.invoices@meritenergy.com	**Ticket #:**	1718-19840 L	**Bulk TRK No.:**	30464-19808	14354-37724	
City, State, Zip:	PO Box L Sublette Ks. 67877	**Job Type:**	Z-42 Cement Surface Casing				
Service District:		**Well Type:**	OIL				
Well Name and No.:	WENU # 505 AFE # 64676-Ref# 505	**Well Location:**	4-28S-34W	**County:**	Haskell	**State:**	Kansas

Type of Cmt	Sacks	Additives	Truck Loaded On		
A CON BLEND	505	3%CaCl, 1/2#POLYFLAKE, 1#GILSONITE	30464-19808	Front	Back
CLASS C	165	2%CaCl,, 1/4#POLYFLAKE	14354-37724	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	12.1	2.41	13.9	1217.05	Man Hours:	27
Tail:	14.8	1.34	6.33	221.1	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps T	Pumps C	Pressure(PSI) Tubing	Pressure(PSI) Casing	Description of Operation and Materials
14:30							ON LOC, SAFTEY MTG, R.U.
16:07						2000	TEST LINES
4:09 PM	5					223	START LEAD
4:42 PM	6	217				263	START TAIL
4:50 PM		39.5					SHUT DOWN, DROP PLUG
16:52	4.4					250	START DISPLACEMENT
17:14	0.3	90				450	SLOW RATE, OUT OF WATER
5:21 PM	6	94				600	ON MUD
17:24		109				600-1500	PLUG DOWN
17:26							RELEASE PSI, FLOAT HELD
							JOB COMPLETE
							THANK YOU FOR YOUR BUSINESS!!!
							59 BBL TO PIT

Size Hole		Depth				TYPE	
Size & Wt. Csg.		Depth		New / Used		Packer	Depth
tbg.		Depth				Retainer	Depth
Top Plugs		Type				Perfs	CIBP

Customer Signature:	Basic Representative:	CHAD HINZ
	Basic Signature:	
	Date of Service:	11/21/2019

BASIC ENERGY SERVICES

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

SERVICE ORDER - 1718-19840 L

Date: 11/21/2019

Well Name:
WENU # 505 AFE # 64676-Ref# 505

Location:
4-28S-34W

County - State:
Haskell, Kansas

RRC #:

Type Of Service:
Z-42 Cement Surface Casing

Customer's Order #:

Customer: Merit Energy

Address: sublette.invoices@meritenergy.com
PO Box L Sublette Ks. 67877

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
BC118	505	EA	A-Con Blend	50.00	25250.00
BC101	156	SK	Class C Cement	29.00	4524.00
CC102	294	LB	Celloflake	4.00	1176.00
CC109	1737	LB	Calcium Chloride	1.00	1737.00
CC201	50	LB	Gilsonite	1.00	50.00
CF105	1	Ea	Top Rubber Cement Plug, 8 5/8"	225.00	225.00
ME102	180	MI	Heavy Equipment Mileage	8.00	1440.00
CE240	670	SK	Blending & Mixing Service Charge	1.40	938.00
TM	1893	MI	Ton Mileage	3.00	5679.00
CC2	1	HR	Depth Charge, 1001'-2000'	1500.00	1500.00
CE504	1	EA	Plug Container Utilization Charge	250.00	250.00
ME101	60	MI	Light Vehicle Mileage	5.00	300.00
CE505	1	EA	Cement Densiometer, with chart recorder	350.00	350.00
BE143	1	EA	Supervisor	75.00	75.00
BE144	2	EA	Driver	35.00	70.00

Book Total:		$43,564.00
Taxes:		
Disc. Price:		$14,580.54
Additional 10% Discount as per Agreement on Cement Services	10% Disc	$1,458.05
	Adjusted Price	**$13,122.49**

PUMP TRUCK NUMBER: 38119-33666

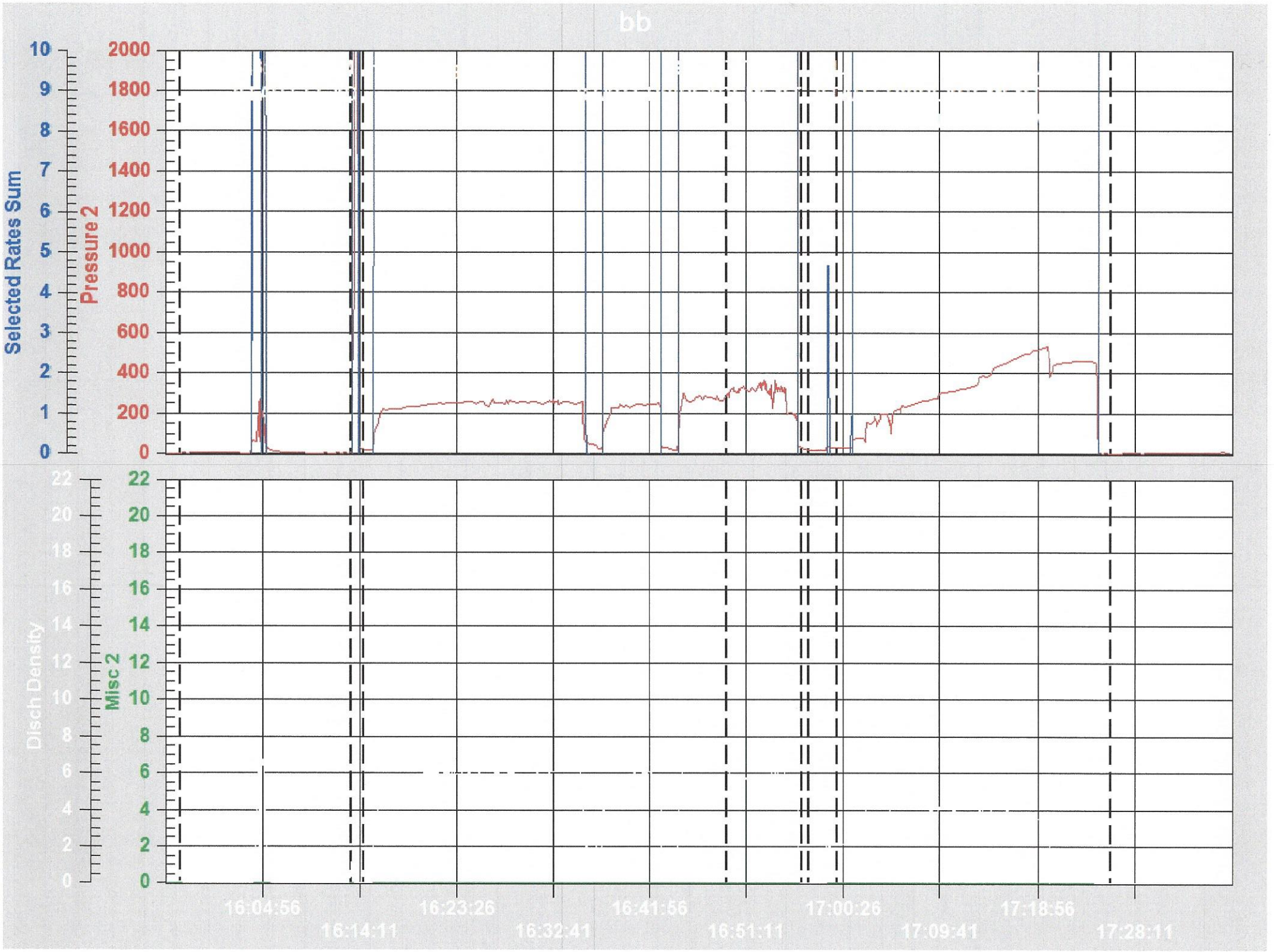
DRIVER:

BASIC ENERGY SERVICES

	YES	NO
THIS JOB WAS SATISFACTORILY COMPLETED	☐	☐
OPERATION OF EQUIPMENT WAS SATISFACTORY	☐	☐
PERFORMANCE OF PERSONEL WAS SATISFACTORY	☐	☐

CUSTOMER OR HIS AGENT

Customer Comments or Concerns:


bb
Selected Rates Sum
Pressure 2
Disch Density
Misc 2
16:04:56
16:14:11
16:23:26
16:32:41
16:41:56
16:51:11
17:00:26
17:09:41
17:18:56
17:28:11

BASIC ENERGY SERVICES

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

SERVICE ORDER - 1718 19822 L

Date: 11/25/2019

Well Name:
WENU # 505 AFE # 64676- Ref # 505

Location:
0

County - State:
Haskell, Kansas

RRC #:

Type Of Service:
Z-42 Cement Production Casing

Customer's Order #:

Customer: Merit Energy

Address: sublette.invoices@meritenergy.com
PO Box L, Sublette Ks. 67877

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
BC133	180	SK	Class C 50/50 Poz	23.50	4230.00
BC133	155	SK	Class C 50/50 Poz	23.50	3642.50
CC102	84	LB	Celloflake	4.00	336.00
CC187	142	LB	C-17	24.00	3408.00
CC113	1689	LB	Gypsum	1.00	1689.00
cc105	72	LB	C-41P	4.00	288.00
cc111	2016	LB	Salt	0.50	1008.00
CC201	1675	LB	Gilsonite	1.00	1675.00
CC151	1000	GAL	Mud Flush	1.50	1500.00
ME102	120	MI	Heavy Equipment Mileage	8.00	960.00
CE240	335	SK	Blending & Mixing Service Charge	1.40	469.00
TM	849	MI	Ton Mileage	3.00	2547.00
CC6	1	HR	Depth Charge, 5001-6000'	2900.00	2900.00
CE409	1	HR	Additional Stage Charge	2160.00	2160.00
CE504	1	EA	Plug Container Utilization Charge	250.00	250.00
ME101	60	MI	Light Vehicle Mileage	5.00	300.00
CE505	1	EA	Cement Densiometer, with chart recorder	350.00	350.00
BE143	1	Ea	Supervisor	75.00	75.00
BE144	3	EA	Driver	35.00	105.00
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
CF451	1	Ea	Two Stage Cement Collar, 5 1/2" (Blue)	4500.00	4500.00
CF1901	1	Ea	5 1/2" Basket (Blue)	290.00	290.00
				Book Total:	$35,127.50
				Taxes:	
				Disc. Price:	$15,753.34

PUMP TRUCK NUMBER: 38750, 19919

DRIVER: Sam Eveler, Oscar Chavez, Jose Martinez

Daniel Beck

BASIC ENERGY SERVICES

	YES	NO
THIS JOB WAS SATISFACTORILY COMPLETED	☐	☐
OPERATION OF EQUIPMENT WAS SATISFACTORY	☐	☐
PERFORMANCE OF PERSONEL WAS SATISFACTORY	☐	☐

CUSTOMER OR HIS AGENT

Customer Comments or Concerns:

BASIC ENERGY SERVICES

PRESSURE PUMPING

Job Log

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

Customer:	Merit Energy	**Cement Pump No.:**	38750, 19919 8.5Hrs.	**Operator TRK No.:**	96816		
Address:	sublette.invoices@meritenergy.com	**Ticket #:**	1718 19822 L	**Bulk TRK No.:**	27808, 19578 Oscar	27808, 19578	
City, State, Zip:	PO Box L, Sublette Ks. 67877	**Job Type:**	Z-42 Cement Production Casing				
Service District:	1718 - Liberal, Ks.	**Well Type:**	OIL				
Well Name and No.:	WENU # 505 AFE # 64676- Ref # 505	**Well Location:**		**County:**	Haskell	**State:**	Kansas

Type of Cmt	Sacks	Additives	Truck Loaded On		
C 50/50	130	6% Gypsum, 10% Salt, .5% C-17, 1/4# Defoamer, 5# Gilsonite, 1/4# Polyflake	27808, 19578 Oscar	Front	Back
	155	6% Gypsum, 10% Salt, .5% C-17, 1/4# Defoamer, 5# Gilsonite, 1/4# Polyflake	27808, 19578	Front	Back
Rat & Mouse	50		27808, 19578	Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Tail 1:	13.6	1.57	7.18	204.1	TT Man Hours:	47
Tail 2:	13.6	1.57	7.18	3	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps T	Pumps C	Pressure(PSI) Tubing	Pressure(PSI) Casing	Description of Operation and Materials
1:00							ON LOCATION & SAFETY MEETING
6:15							RIG TO CIRCULATE
7:15 AM	3	11.9				470	PUMP 500 GALLONS MUD FLUSH
7:28 AM							PLUG RAT & MOUSE W/ 50SX
7:36 AM	5.5	36.3 slurry				520	PUMP 130SX TAIL 1 @ 13.6#
7:46							SHUTDOWN / DROP PLUG / WP
7:54	7	10				300	DISPLACE W/ 17.5BBL H20
	5.5	20				20	DISPLACE W/ 110.7BBL MUD
	8	30				370	
	8.3	40				400	
	8.3	50				470	
	8.3	60				400	
	8.3	70				450	
	8.2	80				350	
	8	90				340	
	7.8	100				540	
	8	110				660	
8:11	7.9	118				920	SLOW RATE TO 1.9BPM @ 390PSI
	1.9	120				400	
8:17	1.8	128.2				590	LAND PLUG / PRESSURE UP TO 1450PSI
8:19							RELEASE BACK --- FLOAT HELD
8:20							DROP OPENING TOOL
8:40							PUMP OPENING TOOL W/ 770PSI

Size Hole	7 7/8"	Depth				TYPE	Plug Container		
Size & Wt. Csg.	5 1/2" 17#	Depth	5575'	DV Tool	4772'	Packer		Depth	
Landing Press1	263.3psi	Landing Press2	552.4psi			Retainer		Depth	
Shoe Jt.	46.19'	Type				Perfs		CIBP	

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	Daniel Beck
	Date of Service:	**11/25/2019**

BASIC ENERGY SERVICES

PRESSURE PUMPING

Job Log

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

Customer:	Merit Energy	Cement Pump No.:	38750, 19919 8.5Hrs.	Operator TRK No.:	96816		
Address:	sublette.invoices@meritenergy.com	Ticket #:	1718 19822 L	Bulk TRK No.:	27808, 19578 Oscar	27808, 19578	
City, State, Zip:	PO Box L, Sublette Ks. 67877	Job Type:	Z-42 Cement Production Casing				
Service District:	1718-Liberal	Well Type:	OIL				
Well Name and No.:	WENU # 505 AFE # 64676- Ref # 505	Well Location:	0	County:	Haskell	State:	Kansas

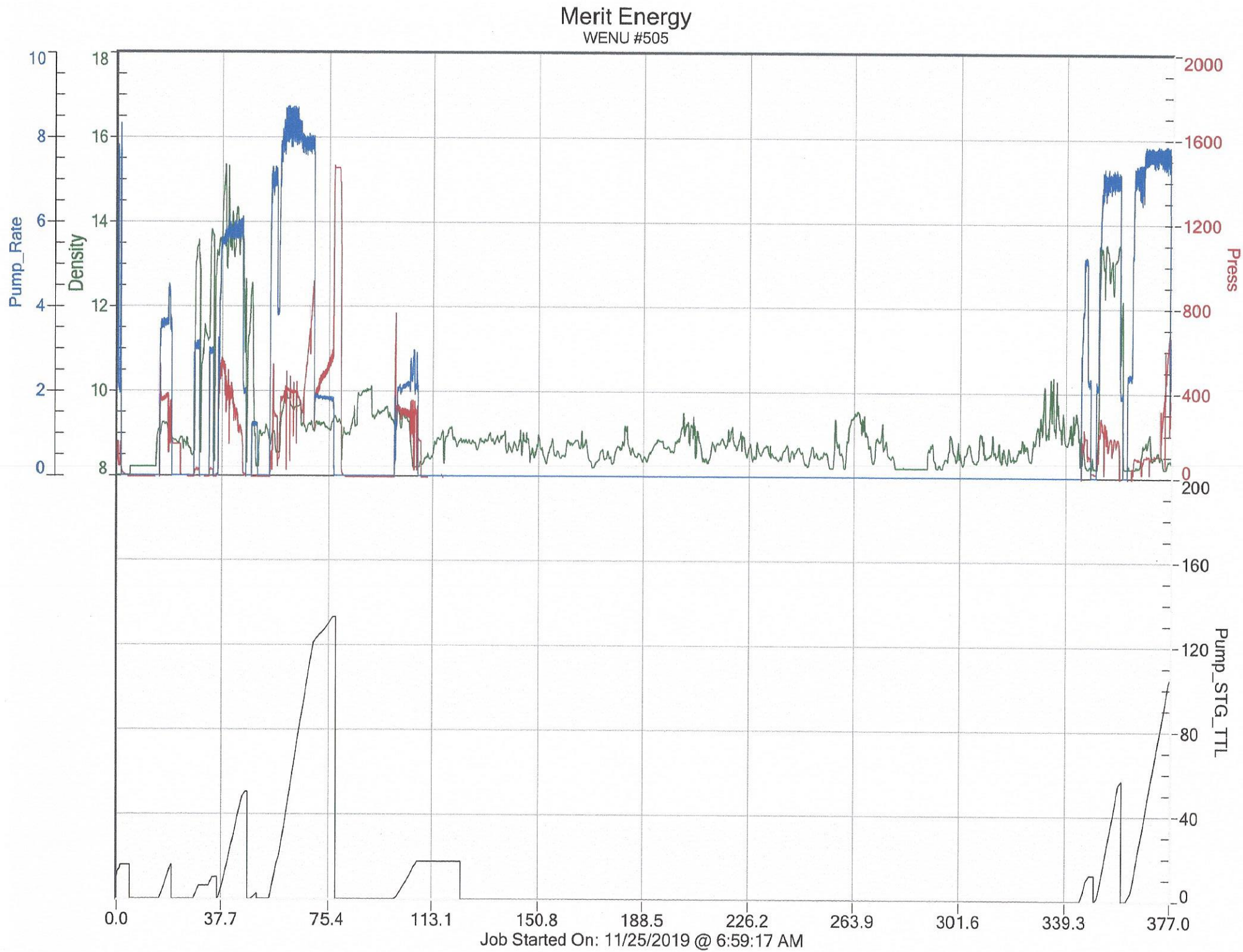
Type of Cmt	Sacks	Additives	Truck Loaded On		
C 50/50	130	6% Gypsum, 10% Salt, .5% C-17, 1/4# Defoamer, 5# Gilsonite, 1/4# Polyflake	27808, 19578 Oscar	Front	Back
	155	6% Gypsum, 10% Salt, .5% C-17, 1/4# Defoamer, 5# Gilsonite, 1/4# Polyflake	27808, 19578	Front	Back
Rat & Mouse	50		27808, 19578	Front	Back

Lead/Tail:	Weight #1 Gal.	Yield	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	13.6	1.57	7.18	204.1	TT Man Hours:	47
Tail:	13.6	1.57	7.18	3	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps T	Pumps C	Pressure(PSI) Tubing	Pressure(PSI) Casing	Description of Operation and Materials
8:51							RIG TO CIRCULATE
12:45	3.1	11.9				170	PUMP 500 GALLONS MUD FLUSH
12:51 PM	5.5	43.3 slurry				190	PUMP 155SX TAIL 2 @ 13.6#
1:00 PM							SHUTDOWN / DROP PLUG
1:02 PM	7	10				90	DISPLACE
	7.2	20				90	
	7.2	30				80	
	7.4	40				100	
	7.6	50				80	
	7.4	60				100	
	7.5	70				100	
	7.5	80				230	
	7.6	90				450	
13:17	7.4	100				460	SLOW RATE TO 2.1BPM @ 320PSI
13:24	1.9	110.7				590	LAND CLOSING PLUG / PRESSURE UP TO 1470PSI
							RELEASE BACK --- PLUG HELD
							JOB COMPLETE

Size Hole	7 7/8"	Depth				TYPE	Plug Container		
Size & Wt. Csg.	5 1/2" 17#	Depth	5575'	DV Tool	4772'	Packer		Depth	
Landing Press1	263.3psi	Landing Press2	552.4psi			Retainer		Depth	
Shoe Jt.	46.19'	Type				Perfs		CIBP	

Customer Signature:	Basic Representative:	Daniel Beck
	Basic Signature:	Daniel Beck
	Date of Service:	11/25/2019


Merit Energy
WENU #505
Pump_Rate
Density
Press
Pump_STG_TTL
10
8
6
4
2
0
18
16
14
12
10
8
2000
1600
1200
800
400
0
200
160
120
80
40
0
0.0
37.7
75.4
113.1
150.8
188.5
226.2
263.9
301.6
339.3
377.0
Job Started On: 11/25/2019 @ 6:59:17 AM