KOLAR Document ID: 1516536

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: N/A
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 #:

3/2/2020	3/4/2020	4/9/2020
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-093-21978-00-00
Spot Description:
SE - SE - SW - NE Sec. 15 Twp. 23 S. R. 35 ☐ East ☑ West
2315 Feet from ☑ North / ☐ South Line of Section
1632 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 #: 15-1
Field Name: Wildcat
Producing Formation: Marmaton (Altamon, Ft Scott)
Elevation: Ground: 3021 Kelly Bushing: 3033
Total Vertical Depth: 5000 Plug Back Total Depth: 4800
Amount of Surface Pipe Set and Cemented at: 1832 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: 08/24/2020
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 08/26/2020

Operator Name: Merit Energy Company, LLC Lease Name: CARRIE Well #: 15-1

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: Attached Top: Attached Datum: 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	1832	C	690	See Attached
Production	7.875	5.5	17	4996	C 50/50 POZ	195	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: 4/10/2020

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	200				

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
4356	4452

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	4356	4362			Altamont(Marmaton) Acid- 36 bbls 15%acid and 26 bbls flush
3	4449	4452			Fort Scott(Marmaton)- " " " "
			CIBP Cast Iron Bridge Plug	4800	
	4823	4831			Morrow

TUBING RECORD: Size: 2.8750 Set At: 4500 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 15-1
Doc ID	1516536

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	CARRIE 15-1
Doc ID	1516536

Tops

Name	Top	Datum
HEEBNER	3765	.
TORONTO	3794	.
LANSING	3827	.
SWOPE	4169	.
HERTHA	4215	.
MARMATON	4338	.
PAWNEE	4412	.
FT SCOTT	4443	.
CHEROKEE	4470	.
ATOKA	4603	.
MORROW	4700	.
ST GENEVIEVE	4850	.
ST LOUIS	4898	.

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	CARRIE 15-1
Doc ID	1516536

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	1832	C	690	See Attached
Production	7.875	5.5	17	4996	C 50/50 POZ	195	50 SX RH/See Attached

MBC WELL LOGGING LLC

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

Well Name:	CARRIE 1-15 AFE 65361 MERIT ENERGY CO LLC
Well Id:	API 15-093-21978-00-00
Location:	KEARNEY COUNTY, KANSAS USA
License Number:	32446 Region: WILDCAT
Spud Date:	03-02-2020 Drilling Completed: 3-05-2020
Surface Coordinates:	1632'fel- 2315'fnl-SEC 15-T23S-R35W
	DUKE RIG 9 #5929 RODNEY GONZALES CO-MAN
Bottom Hole Coordinates:	BAKER HUGHES -DIL/SP/GR CNL/CAL/PE/BHV SONIC SFC- GR TO SFC'
Ground Elevation (ft):	3021 K.B. Elevation (ft): 3033
Logged Interval (ft):	3750 To: 5000 Total Depth (ft): Elog 5001
Formation:	ST LOUIS
Type of Drilling Fluid:	MUDCO JUSTIN WHITING CELL (620)-214-3630

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

OPERATOR

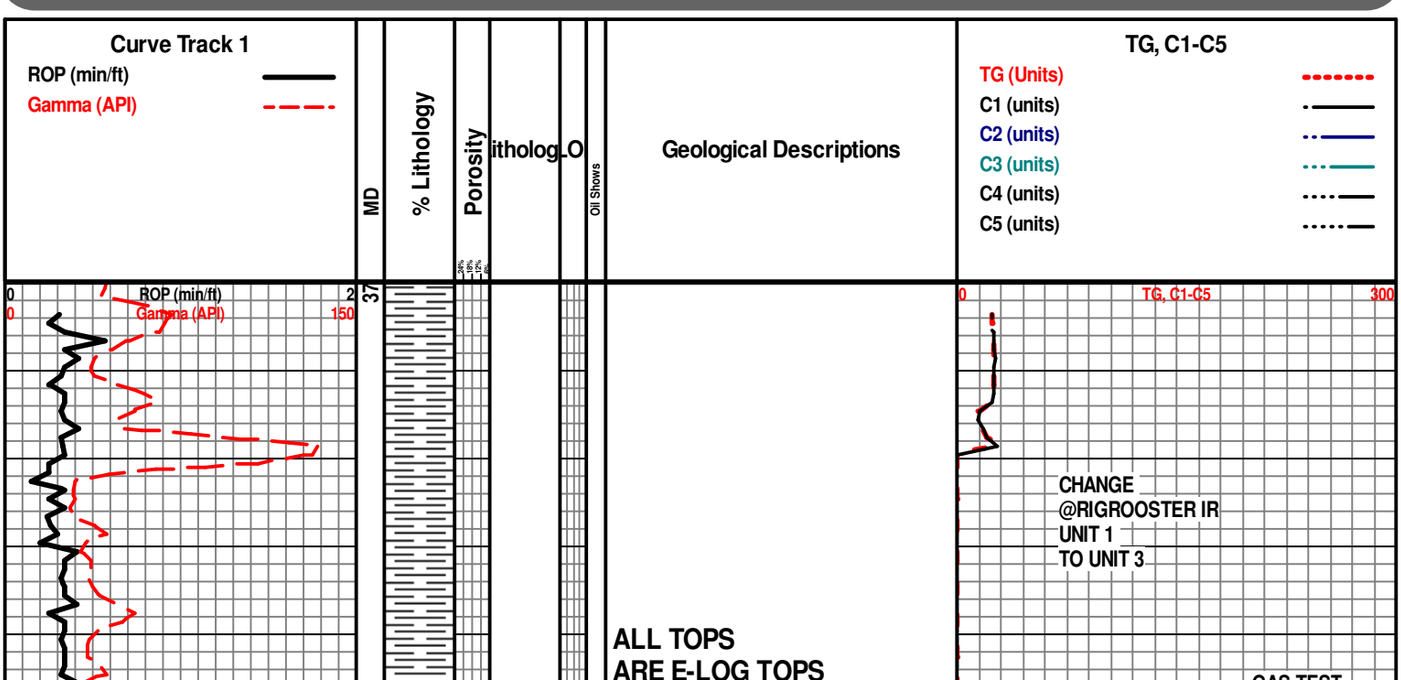
Company: MERIT ENERGY CO LLC
Address: ATTN MARTIN LANGE GEOLOGY
13727 NOEL RD STE 1200
DALLAS, TEXAS 75240

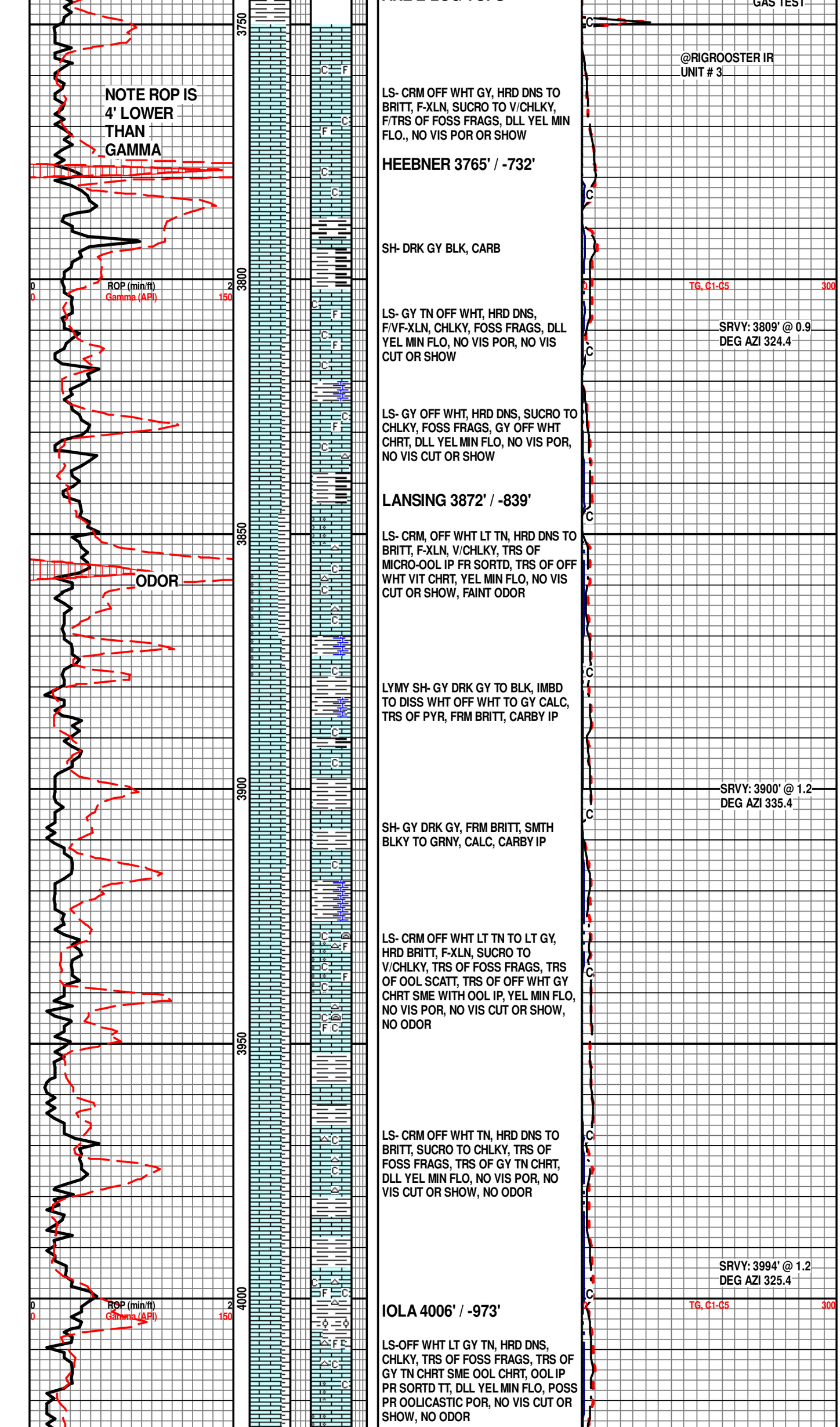
MUDLOGGER

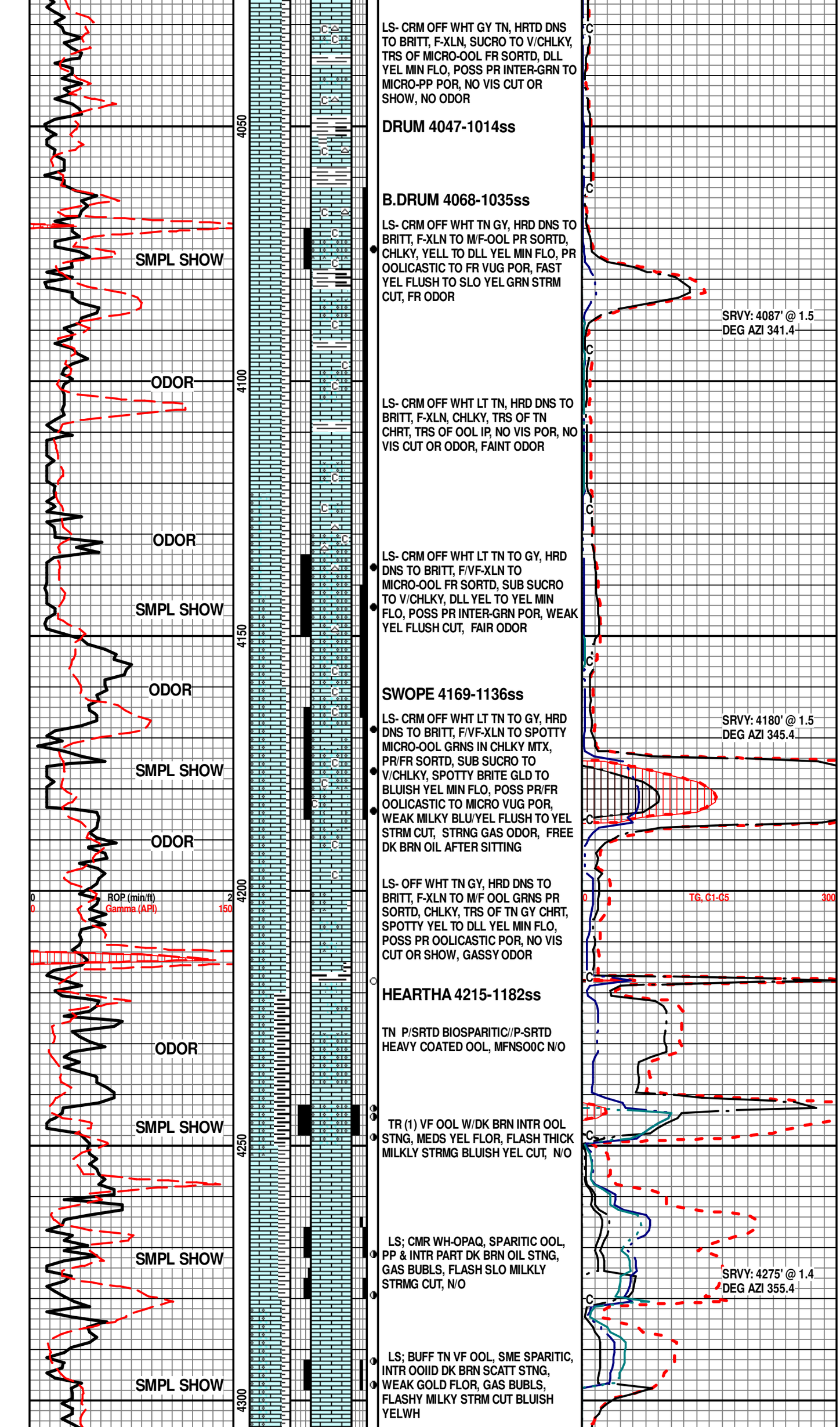
Name: AUSTIN GARNER//TROY FOWLER
Company: MBC WELL LOGGING LLC
Address: 21156 RD 22
MEADE, KANSAS 67864

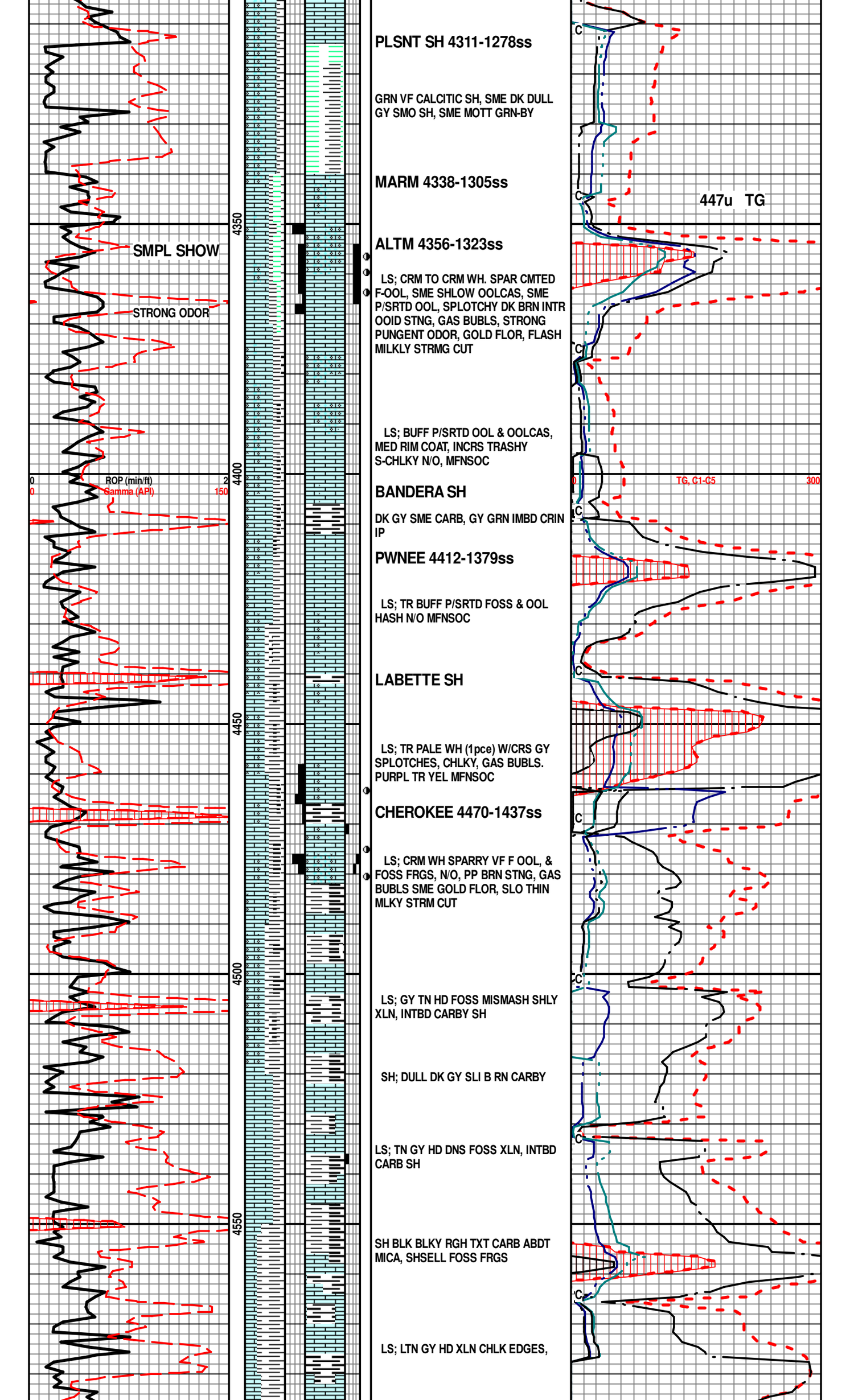
ROCK TYPES

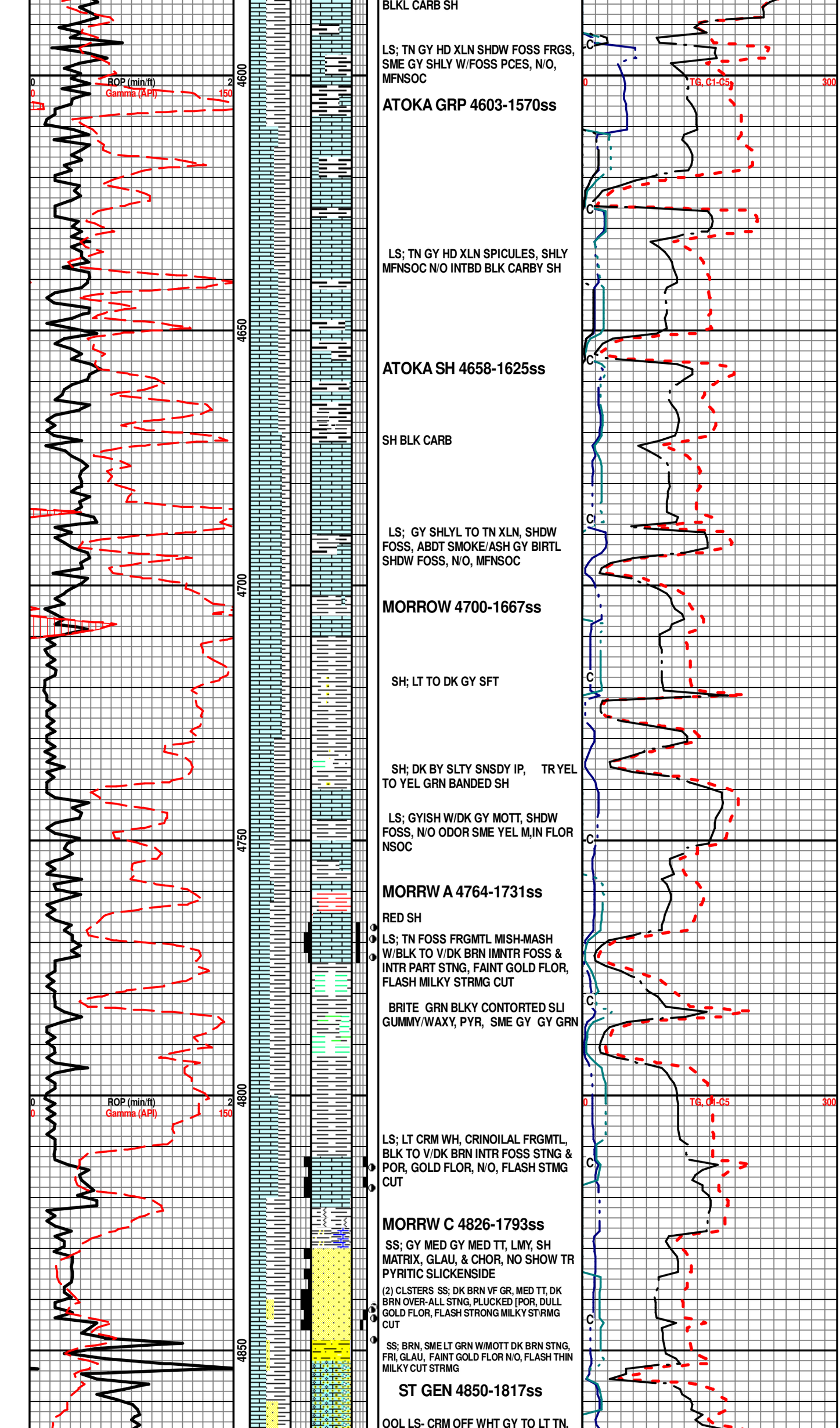
- Anhy
- Brec
- Cht
- Coal
- Congl
- Shly dolomite
- Dolo new
- New dolomite
- Newdolo ls 2
- Ls & ooids
- Oolitic ls -1
- Stgensndy-arkos
- New ls-1
- Carby shale
- Lmy carby sh-3
- Carb sh
- Gyp
- Sltst
- Salt
- Sndy sh--red
- Sndy sh
- Sltst-1
- Slty-shale
- Lmy ss-1
- Arkosic snd
- Ss
- Grn sh strk
- Grn mott gy sh
- Lmy sh-2
- Shale-1
- Red sh-1
- Stgensndy-arkos
- Sndy ool ls
- Sndy-ls-1
- Calc shale
- Granitewash
- Ls shly-b
- Poor sortd ss
- Snd-ls-sh

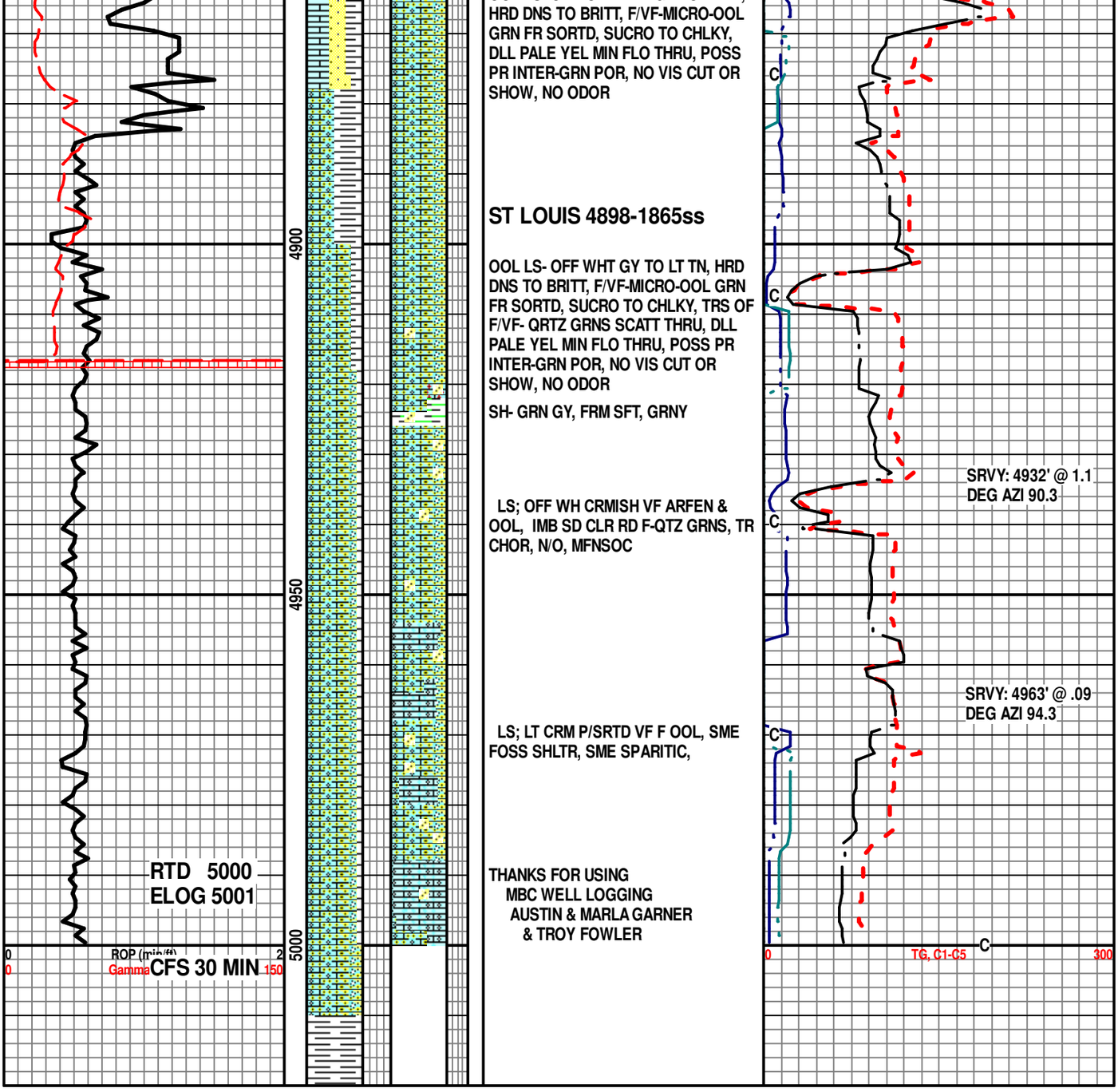



GAS TEST
@RIGROOSTER IR
UNIT # 3
NOTE ROP IS
4' LOWER
THAN
GAMMA
ROP (min/ft)
Gamma (API)
TG, C1-C5
LS- CRM OFF WHT GY, HRD DNS TO BRITT, F-XLN, SUCRO TO V/CHLKY, F/TRS OF FOSS FRAGS, DLL YEL MIN FLO., NO VIS POR OR SHOW
HEEBNER 3765' / -732'
SH- DRK GY BLK, CARB
LS- GY TN OFF WHT, HRD DNS, F/VF-XLN, CHLKY, FOSS FRAGS, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW
SRVY: 3809' @ 0.9 DEG AZI 324.4
LS- GY OFF WHT, HRD DNS, SUCRO TO CHLKY, FOSS FRAGS, GY OFF WHT CHRT, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW
LANSING 3872' / -839'
ODOR
LS- CRM, OFF WHT LT TN, HRD DNS TO BRITT, F-XLN, V/CHLKY, TRS OF MICRO-OOL IP FR SORTD, TRS OF OFF WHT VIT CHRT, YEL MIN FLO, NO VIS CUT OR SHOW, FAINT ODOR
LYMY SH- GY DRK GY TO BLK, IMBD TO DISS WHT OFF WHT TO GY CALC, TRS OF PYR, FRM BRITT, CARBY IP
SRVY: 3900' @ 1.2 DEG AZI 335.4
SH- GY DRK GY, FRM BRITT, SMTH BLKY TO GRNY, CALC, CARBY IP
LS- CRM OFF WHT LT TN TO LT GY, HRD BRITT, F-XLN, SUCRO TO V/CHLKY, TRS OF FOSS FRAGS, TRS OF OOL SCATT, TRS OF OFF WHT GY CHRT SME WITH OOL IP, YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW, NO ODOR
LS- CRM OFF WHT TN, HRD DNS TO BRITT, SUCRO TO CHLKY, TRS OF FOSS FRAGS, TRS OF GY TN CHRT, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW, NO ODOR
SRVY: 3994' @ 1.2 DEG AZI 325.4
IOLA 4006' / -973'
LS-OFF WHT LT GY TN, HRD DNS, CHLKY, TRS OF FOSS FRAGS, TRS OF GY TN CHRT SME OOL CHRT, OOL IP PR SORTD TT, DLL YEL MIN FLO, POSS PR OOLICASTIC POR, NO VIS CUT OR SHOW, NO ODOR
3750
3800
3850
3900
3950
4000


4050
4100
4150
4200
4250
4300
SMPL SHOW
ODOR
ODOR
SMPL SHOW
ODOR
SMPL SHOW
ODOR
SMPL SHOW
SMPL SHOW
0
ROP (min/ft)
2
0
Gamma (API)
150
LS- CRM OFF WHT GY TN, HRTD DNS TO BRITT, F-XLN, SUCRO TO V/CHLKY, TRS OF MICRO-OOL FR SORTD, DLL YEL MIN FLO, POSS PR INTER-GRN TO MICRO-PP POR, NO VIS CUT OR SHOW, NO ODOR
DRUM 4047-1014ss
B.DRUM 4068-1035ss
LS- CRM OFF WHT TN GY, HRD DNS TO BRITT, F-XLN TO M/F-OOL PR SORTD, CHLKY, YELL TO DLL YEL MIN FLO, PR OOLICASTIC TO FR VUG POR, FAST YEL FLUSH TO SLO YEL GRN STRM CUT, FR ODOR
SRVY: 4087' @ 1.5 DEG AZI 341.4
LS- CRM OFF WHT LT TN, HRD DNS TO BRITT, F-XLN, CHLKY, TRS OF TN CHRT, TRS OF OOL IP, NO VIS POR, NO VIS CUT OR ODOR, FAINT ODOR
LS- CRM OFF WHT LT TN TO GY, HRD DNS TO BRITT, F/VF-XLN TO MICRO-OOL FR SORTD, SUB SUCRO TO V/CHLKY, DLL YEL TO YEL MIN FLO, POSS PR INTER-GRN POR, WEAK YEL FLUSH CUT, FAIR ODOR
SWOPE 4169-1136ss
LS- CRM OFF WHT LT TN TO GY, HRD DNS TO BRITT, F/VF-XLN TO SPOTTY MICRO-OOL GRNS IN CHLKY MTX, PR/FR SORTD, SUB SUCRO TO V/CHLKY, SPOTTY BRITE GLD TO BLUISH YEL MIN FLO, POSS PR/FR OOLICASTIC TO MICRO VUG POR, WEAK MILKY BLU/YEL FLUSH TO YEL STRM CUT, STRNG GAS ODOR, FREE DK BRN OIL AFTER SITTING
SRVY: 4180' @ 1.5 DEG AZI 345.4
LS- OFF WHT TN GY, HRD DNS TO BRITT, F-XLN TO M/F OOL GRNS PR SORTD, CHLKY, TRS OF TN GY CHRT, SPOTTY YEL TO DLL YEL MIN FLO, POSS PR OOLICASTIC POR, NO VIS CUT OR SHOW, GASSY ODOR
0
TG, C1-C5
300
HEARTHA 4215-1182ss
TN P/SRTD BIOSPARITIC//P-SRTD HEAVY COATED OOL, MFNSO0C N/O
TR (1) VF OOL W/DK BRN INTR OOL STNG, MEDS YEL FLOR, FLASH THICK MILKLY STRMG BLUISH YEL CUT, N/O
LS; CMR WH-OPAQ, SPARITIC OOL, PP & INTR PART DK BRN OIL STNG, GAS BUBLS, FLASH SLO MILKLY STRMG CUT, N/O
SRVY: 4275' @ 1.4 DEG AZI 355.4
LS; BUFF TN VF OOL, SME SPARITIC, INTR OOIID DK BRN SCATT STNG, WEAK GOLD FLOR, GAS BUBLS, FLASHY MILKY STRM CUT BLUISH YELWH


PLSNT SH 4311-1278ss
GRN VF CALCITIC SH, SME DK DULL GY SMO SH, SME MOTT GRN-BY
MARM 4338-1305ss
447u TG
ALTM 4356-1323ss
SMPL SHOW
STRONG ODOR
LS; CRM TO CRM WH. SPAR CMTED F-OOL, SME SHLOW OOLCAS, SME P/SRTD OOL, SPLOTCHY DK BRN INTR OOID STNG, GAS BUBLS, STRONG PUNGENT ODOR, GOLD FLOR, FLASH MILKLY STRMG CUT
LS; BUFF P/SRTD OOL & OOLCAS, MED RIM COAT, INCRS TRASHY S-CHLKY N/O, MFNSOC
0 ROP (min/ft) 2
0 Gamma (API) 150
0 TG, C1-C5 300
BANDERA SH
DK GY SME CARB, GY GRN IMBD CRIN IP
PWNEE 4412-1379ss
LS; TR BUFF P/SRTD FOSS & OOL HASH N/O MFNSOC
LABETTE SH
LS; TR PALE WH (1pce) W/CRS GY SPLOTCHES, CHLKY, GAS BUBLS. PURPL TR YEL MFNSOC
CHEROKEE 4470-1437ss
LS; CRM WH SPARRY VF F OOL, & FOSS FRGS, N/O, PP BRN STNG, GAS BUBLS SME GOLD FLOR, SLO THIN MLKY STRM CUT
LS; GY TN HD FOSS MISMASH SHLY XLN, INTBD CARBY SH
SH; DULL DK GY SLI B RN CARBY
LS; TN GY HD DNS FOSS XLN, INTBD CARB SH
SH BLK BLKY RGH TXT CARB ABDT MICA, SHSELL FOSS FRGS
LS; LTN GY HD XLN CHLK EDGES,
4350
4400
4450
4500
4550
C


BLKL CARB SH
LS; TN GY HD XLN SHDW FOSS FRGS, SME GY SHLY W/FOSS PCES, N/O, MFNSOC
ATOKA GRP 4603-1570ss
LS; TN GY HD XLN SPICULES, SHLY MFNSOC N/O INTBD BLK CARBY SH
ATOKA SH 4658-1625ss
SH BLK CARB
LS; GY SHLYL TO TN XLN, SHDW FOSS, ABDT SMOKE/ASH GY BIRTL SHDW FOSS, N/O, MFNSOC
MORROW 4700-1667ss
SH; LT TO DK GY SFT
SH; DK BY SLTY SNSDY IP, TR YEL TO YEL GRN BANDED SH
LS; GYISH W/DK GY MOTT, SHDW FOSS, N/O ODOR SME YEL M,IN FLOR NSOC
MORRW A 4764-1731ss
RED SH
LS; TN FOSS FRGMTL MISH-MASH W/BLK TO V/DK BRN IMNTR FOSS & INTR PART STNG, FAINT GOLD FLOR, FLASH MILKY STRMG CUT
BRITE GRN BLKY CONTORTED SLI GUMMY/WAXY, PYR, SME GY GY GRN
LS; LT CRM WH, CRINOILAL FRGMTL, BLK TO V/DK BRN INTR FOSS STNG & POR, GOLD FLOR, N/O, FLASH STMG CUT
MORRW C 4826-1793ss
SS; GY MED GY MED TT, LMY, SH MATRIX, GLAU, & CHOR, NO SHOW TR PYRITIC SLICKENSIDE
(2) CLSTERS SS; DK BRN VF GR, MED TT, DK BRN OVER-ALL STNG, PLUCKED [POR, DULL GOLD FLOR, FLASH STRONG MILKY ST\RMG CUT
SS; BRN, SME LT GRN W/MOTT DK BRN STNG, FRI, GLAU, FAINT GOLD FLOR N/O, FLASH THIN MILKY CUT STRMG
ST GEN 4850-1817ss
OOL LS- CRM OFF WHT GY TO LT TN,
ROP (min/ft)
Gamma (API)
TG, C1-C5
4600
4650
4700
4750
4800
4850


HRD DNS TO BRITT, F/VF-MICRO-OOL GRN FR SORTD, SUCRO TO CHLKY, DLL PALE YEL MIN FLO THRU, POSS PR INTER-GRN POR, NO VIS CUT OR SHOW, NO ODOR
ST LOUIS 4898-1865ss
OOL LS- OFF WHT GY TO LT TN, HRD DNS TO BRITT, F/VF-MICRO-OOL GRN FR SORTD, SUCRO TO CHLKY, TRS OF F/VF- QRTZ GRNS SCATT THRU, DLL PALE YEL MIN FLO THRU, POSS PR INTER-GRN POR, NO VIS CUT OR SHOW, NO ODOR
SH- GRN GY, FRM SFT, GRNY
LS; OFF WH CRMISH VF ARFEN & OOL, IMB SD CLR RD F-QTZ GRNS, TR CHOR, N/O, MFNSOC
LS; LT CRM P/SRTD VF F OOL, SME FOSS SHLTR, SME SPARITIC,
THANKS FOR USING
MBC WELL LOGGING
AUSTIN & MARLA GARNER
& TROY FOWLER
SRVY: 4932' @ 1.1 DEG AZI 90.3
SRVY: 4963' @ .09 DEG AZI 94.3
4900
4950
5000
RTD 5000
ELOG 5001
0
ROP (min/ft)
2
0
Gamma
CFS 30 MIN
150
0
TG, C1-C5
300
C

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

August 24, 2020

Idania Medina
Merit Energy Company, LLC
13727 NOEL ROAD, SUITE 1200
DALLAS, TX 75240-7362

Re: ACO-1
API 15-093-21978-00-00
CARRIE 15-1
NE/4 Sec.15-23S-35W
Kearny County, Kansas

Dear Idania Medina:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 3/2/2020 and the ACO-1 was received on August 24, 2020 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

Form 185-2c

QUASAR ENERGY SERVICES, INC.

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

FRACTURING / ACID / CEMENT

BID #: 2552 | ***AFE#/PO#:*** 65361

TYPE / PURPOSE OF JOB	Cement- Surface	**SERVICE POINT**	Liberal, KS
CUSTOMER	MERIT ENERGY COMPANY	**WELL NAME**	CARRIE # 15-1
ADDRESS	GARDENCITY.INVOICES@MERITENERGY.COM	**LOCATION**	DEERFIELD, KS
CITY KINDSAY	**STATE** OK **ZIP** 73052	**TYPE AND PURPOSE OF JOB**	
DATE OF SALE 3/2/2020		**COUNTY** KEARNY, KS	**STATE**

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
60	1000	L	Mile	Mileage - Pickup - Per Mile	$3.15	$ 189.00
180	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	$6.00	$ 1,080.00
1	5440	L	Per Well	Pumping Charge 0'-3500'	$1,575.00	$ 1,575.00
Subtotal for Pumping & Equipment Charges						**$ 2,844.00**

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
700	5632	L	Per Sack	Cement - Class C	$18.90	$ 13,230.00
5	5750	L	Per Gal.	VSC Cement Defoamer Liquid	$44.10	$ 220.50
1,850	5770	L	Per Lb.	Calcium Chloride	$1.26	$ 2,331.00
350	5800	L	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	$2.52	$ 882.00
1,000	5850	L	Per Lb.	Gypsum	$0.95	$ 950.00
1,000	5900	L	Per Lb.	Sodium Metasilicate (SMS) C-45	$2.21	$ 2,210.00
100	5930	L	Per Lb.	Sugar	$2.52	$ 252.00
1	4780	L	Each	Guide Shoe 8 5/8"	$491.40	$ 491.40
1	4870	L	Each	Float Collar (Blue) 8 5/8"	$913.50	$ 913.50
1	4900	L	Each	Top Rubber Plug 8 5/8"	$87.50	$ 87.50
6	4920	L	Each	Centralizers 8 5/8"	$88.20	$ 529.20
Subtotal for Material Charges						**$ 22,097.10**

WORKERS		
KIRBY HARPER	EDUARDO RODRIGUEZ	
VICTOR CORONA		
JESSE PAXTON		

		TOTAL	$ 24,941.10
DISCOUNT:	**30%**	**DISCOUNT**	$ 7,482.33
		DISCOUNTED TOTAL	**$ 17,458.77**

STAMPS & NOTES:

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CUSTOMER SIGNATURE & DATE

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

Form 185-2c

3/2/20

CEMENTING JOB LOG

CEMENTING JOB LOG

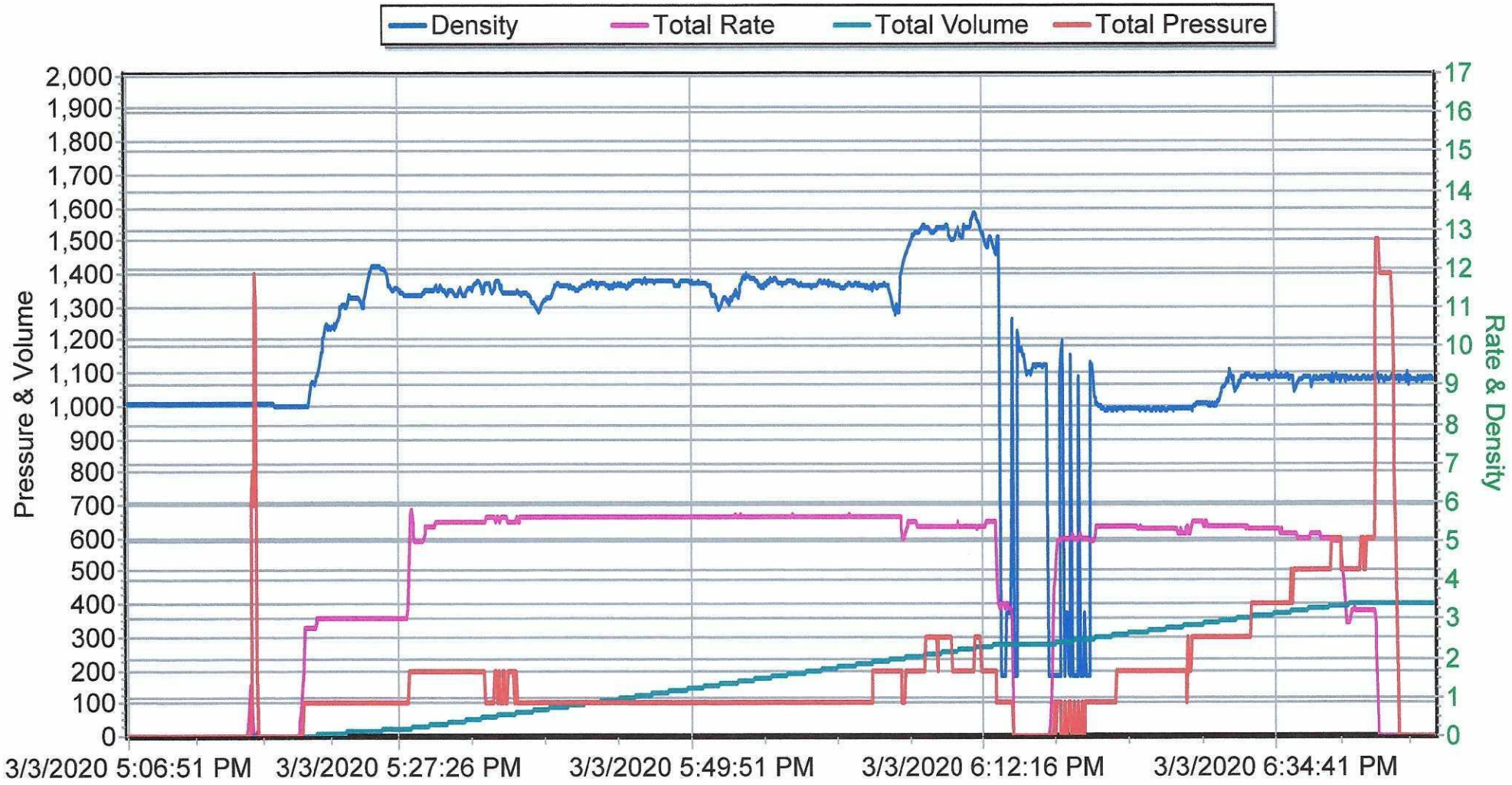
Company:	MERIT ENERGY COMPANY			**Well Name:**	CARRIE # 15-1		
Type Job:	Cement- Surface			**AFE #:**	65361		
CASING DATA							
Size:	8 5/8	Grade:	J-55	Weight:	24		
Casing Depths	Top: 0	Bottom:	SJ - 43.13				
Drill Pipe:	Size: 0	Weight:	0				
Tubing:	Size: 0	Weight:	0	Grade:	0	TD (ft):	1842
Open Hole:	Size: 12 1/4	T.D. (ft):	1842				
Perforations	From (ft): 0	To:	0	Packer Depth(ft):	0		

CEMENT DATA									
Spacer Type:	FRESH WATER								
Amt.	10 BBL	Sks Yield		$ft^3/_{sk}$				Density (PPG)	
LEAD:	CLASS C - 2% GYP, 2% C-45, 3% CC, 1/2# POLY							Excess	100
Amt.	535	Sks Yield	2.42	$ft^3/_{sk}$				Density (PPG)	12.1
TAIL:	CLASS C - 2% CC, 1/2# POLY							Excess	100
Amt.	165	Sks Yield	1.35	$ft^3/_{sk}$				Density (PPG)	14.8
WATER:									
Lead:	14.25	gals/sk:		Tail:	6.4	gals/sk:		Total (bbls):	
Pump Trucks Used:									
Bulk Equipment:									
Disp. Fluid Type:				Amt. (Bbls.)				Weight (PPG):	
Mud Type:								Weight (PPG):	

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

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
1300						ON LOCATION -- SPOT AND RIG UP
1700						CASING ON BOTTOM -- BREAK CIRC.
1705						SAFETY MEETING
1715	1500					PRESSURE TEST
1716	150			10	5	START PUMPING WATER SPACER
1718	150			231	6	START PUMPING LEAD @ 12.1 PPG
1806	100			40	6	START PUMPING TAIL @ 14.8 PPG
1813						SHUT DOWN -- CLEAN PUMP AND LINES
1814	200			0	6	START DISPLACING WITH FRESH WATER
1838	400			104	2	SLOW RATE
1843	400-1500			114		BUMP PLUG
1844	1500-0					RELEASE PRESSURE -- FLOAT HELD
				120		CIRCULATE CEMENT TO THE PIT

MERIT ENERGY COMPANY
CARRIE # 15-1
8.625" Surface
03/02/20



Form 185-2c

QUASAR ENERGY SERVICES, INC.

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FRACTURING / ACID / CEMENT

BID #: 2577	***AFE#/PO#:*** 65115

TYPE / PURPOSE OF JOB	Cement- Production	**SERVICE POINT**	Liberal, KS
CUSTOMER	MERIT ENERGY COMPANY	**WELL NAME**	CARRIE 15-1
ADDRESS	SUBLETTE.INVOICES@MERITENERGY.COM	**LOCATION**	GARDEN CITY, KS
CITY LINDSAY	**STATE** OK **ZIP** 73052	**TYPE AND PURPOSE OF JOB**	
DATE OF SALE 2/29/2020		**COUNTY** FINNEY	**STATE**

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
60	1000	L	Mile	Mileage - Pickup - Per Mile	$3.15	$ 189.00
120	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	$6.00	$ 720.00
1	5480	L	Per Well	Pumping Charge 5001'-5500'	$1,915.20	$ 1,915.20
Subtotal for Pumping & Equipment Charges						**$ 2,824.20**

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
195	5670	L	Per Sack	Cement - Lite - C	$18.90	$ 3,685.50
24	2502	L	Per Gal.	Clayplex 650	$44.10	$ 1,058.40
80	5693	L	Per Lb.	C-17 Fluid Loss	$10.71	$ 856.80
3	5750	L	Per Gal.	VSC Cement Defoamer Liquid	$44.10	$ 132.30
50	5800	L	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	$2.52	$ 126.00
1,000	5850	L	Per Lb.	Gypsum	$0.95	$ 950.00
950	5860	L	Per Lb.	Kol-Seal	$0.78	$ 741.00
840	5870	L	Per Gal.	Mud Flush	$1.26	$ 1,058.40
1,170	5890	L	Per Lb.	Salt	$0.32	$ 374.40
1	4280	L	Each	Float Shoe (Blue) 5 1/2"	$342.72	$ 342.72
1	4350	L	Each	Float Collar (Blue) 5 1/2"	$472.50	$ 472.50
1	4420	L	Each	Top Rubber Plug 5 1/2"	$59.40	$ 59.40
50	5660	L	Per Sack	Cement - Lite - A	$15.75	$ 787.50
Subtotal for Material Charges						**$ 10,644.92**

WORKERS					
KIRBY HARPER			**TOTAL**	$	13,469.12
VICTOR CORONA			**DISCOUNT: 30%**	**DISCOUNT**	$ 4,040.74
OSCAR CHAVEZ				**DISCOUNTED TOTAL**	$ **9,428.38**

STAMPS & NOTES:

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CUSTOMER SIGNATURE & DATE

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Form 185-2c

2/29/20
CEMENTING JOB LOG

CEMENTING JOB LOG

Company:	MERIT ENERGY COMPANY			**Well Name:**	CARRIE 15-1		
Type Job:	Cement- Production			**AFE #:**	65115		
CASING DATA							
Size:	5 1/2	Grade:	J-55	Weight:	17		
Casing Depths	Top: 0	Bottom:	SJ- 44.50				
Drill Pipe:	Size: 0	Weight:	0				
Tubing:	Size: 0	Weight:	0	Grade:	0	TD (ft):	5000
Open Hole:	Size: 7 7/8	T.D. (ft):	5000				
Perforations	From (ft): 0	To:	0	Packer Depth(ft):	0		

CEMENT DATA							
Spacer Type:	MUD FLUSH						
Amt.	500 GAL	Sks Yield		$ft^3/_{sk}$		Density (PPG)	
LEAD:	50/50 (C) - 6% GYP, 10% SALT, 5# GILSONITE, .5% C-17, 1/4# POLY					Excess	
Amt.	185	Sks Yield	1.57	$ft^3/_{sk}$		Density (PPG)	13.5
TAIL:	50/50 (C) - 6% GYP, 10% SALT, 5# GILSONITE, .5% C-17, 1/4# POLY					Excess	
Amt.	50	Sks Yield	1.57	$ft^3/_{sk}$	RAT AND MOUSE	Density (PPG)	13.5
WATER:							
Lead:		gals/sk:		Tail:	gals/sk:	Total (bbls):	
Pump Trucks Used:	110 - DP7						
Bulk Equipment:	228 / 660-23						
Disp. Fluid Type:	KCL WATER	Amt. (Bbls.)	115	Weight (PPG):	8.34		
Mud Type:				Weight (PPG):	9.2		

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

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
1200						ON LOCATION -- SPOT AND RIG UP
1231	1343					CASING ON BOTTOM -- BREAK CIRC
1315						SAFETY MEETING
1324	2100					PRESSURE TEST
1327	300			20	5	START PUMPING MUD FLUSH
1332				12	3	PLUG RAT AND MOUSE HOLES
1346	300			55	6	START MIXING 185 SK CMT @ 13.5 PPG
1402						SHUT DOWN -- DROP PLUG - CLEAN LINES
1407	300			0	7	START DISPLACING WITH KCL WATER
1419	600				6	DISPLACEMENT REACHES CEMENT
1423	800			105	3	SLOW RATE
1426	850-1450			115		BUMP PLUG
1428	1450-0					RELEASE PRESSURE -- FLOATS HELD

MERIT ENERGY SERVICES
CARRIE 15-1
5.5 PRODUCTION
03/06/20