KOLAR Document ID: 1576141

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 #:

8/9/2021 Spud Date or Recompletion Date
8/13/2021 Date Reached TD
9/10/2021 Completion Date or Recompletion Date

API No.: 15-055-22540-00-00
Spot Description:
NW - NW - SE - SW Sec. 21 Twp. 24 S. R. 33 ☐ East ☑ West
1194 Feet from ☐ North / ☑ South Line of Section
1403 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: Finney
Lease Name: MCWILLIAMS E Well #: 10
Field Name: Cowgill
Producing Formation: Marmaton
Elevation: Ground: 2916 Kelly Bushing: 2928
Total Vertical Depth: 5060 Plug Back Total Depth: 5010
Amount of Surface Pipe Set and Cemented at: 1834 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: 800 ppm Fluid volume: 712 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Hayden Operating
Lease Name: Liz Smith2 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: 12/06/2021
☐ **Confidential Release Date:** 12/06/2023
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrison **Date:** 12/08/2021

Operator Name: Merit Energy Company, LLC Lease Name: MCWILLIAMS E Well #: 10

Sec. 21 Twp. 24 S. R. 33 ☐ East ☑ West County: Finney

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
Conductor	17.5	13.375	48	125	C	185	See Attached
Surface	12.25	8.625	24	1834	C	700	See Attached
Production	7.875	5.5	17	5059	C	255	See Attached. 50 SX RH.

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: 9/10/2021

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	70				

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
4507	4521

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	4507	4510			Marmaton/Acid-53 bbls 15% acid 30 bbls flush 2%KCL
7	4515	4521			" " "
					RBP@4725
4	4860	4878			Morrow/Frac-54 bbl, Total 16/30 brown 55,63 SBS, Total N2 1,277,000 SCF

TUBING RECORD: Size: 2.3750 Set At: 4559 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	MCWILLIAMS E 10
Doc ID	1576141

All Electric Logs Run

BOREHOLE PROFILE LOG
COMPENSATED NEUTRON LITHO DENSITY MICRO ELECTRIC LOG
COMPENSATED SONIC LOG
COMPOSITE LOG
INDUCTION ARRAY LOG
MICRO ELECTRIC LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	MCWILLIAMS E 10
Doc ID	1576141

Tops

Name	Top	Datum
Heebner	3894	.
Toronto	3913	.
Lansing	3982	.
Iola	4130	.
Swope	4310	.
Hertha	4365	.
Marmaton	4479	.
Pawnee	4568	.
Atoka	4727	.
Morrow	4822	.
Chester	4907	.
St Genevieve	4940	.

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Well Name	MCWILLIAMS E 10
Doc ID	1576141

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	48	125	C	185	See Attached
Surface	12.25	8.625	24	1834	C	700	See Attached
Production	7.875	5.5	17	5059	C	255	See Attached. 50 SX RH.

MBC WELL LOGGING LLC

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

Well Name:	McWILLIAMS E-10 MERIT ENERGY
Well Id:	API 15-055-22540-0-0 AFE 68003
Location:	FINNEY COUNTY, KANSAS USA
License Number:	32446 Region: WILDCAT
Spud Date:	08-09-21 Drilling Completed: 8-12-21
Surface Coordinates:	NW/NW/SE/SW/ 1194 fsl 1403fwl Sec 21-T24-R33
	DUKE RIG 9, EMIGDIO ROJOAS TP RODNEY GONZALES CO MAN
Bottom Hole Coordinates:	
Ground Elevation (ft):	2916 K.B. Elevation (ft): 2928
Logged Interval (ft):	3700 To: 5060 Total Depth (ft): Elog 5060
Formation:	RTD ST LOUIS
Type of Drilling Fluid:	MUDCO Tony Mastas CELL

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

OPERATOR

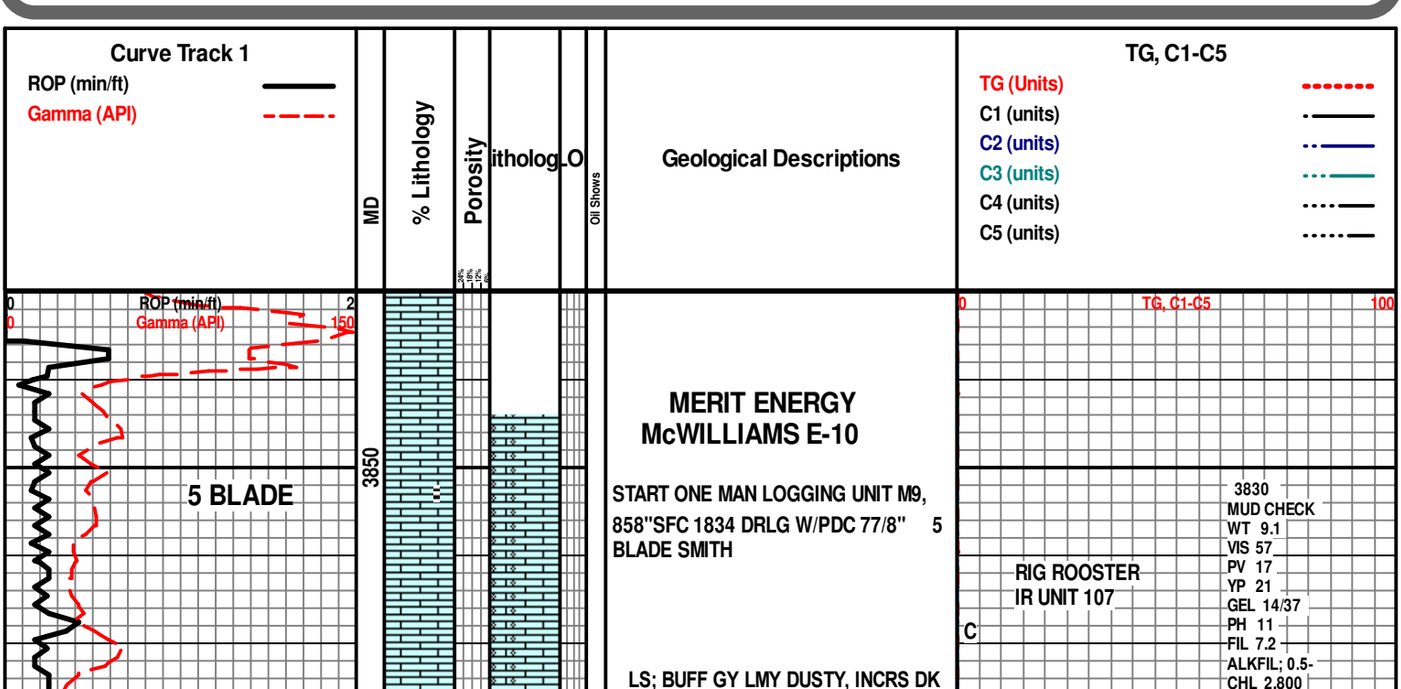
Company: MERIT ENERGY COMPANY LLC
Address: ATTN: MARTIN LANGE
13727 NOEL RD STE 1200
DALLAS, TEXAS 75240-7362

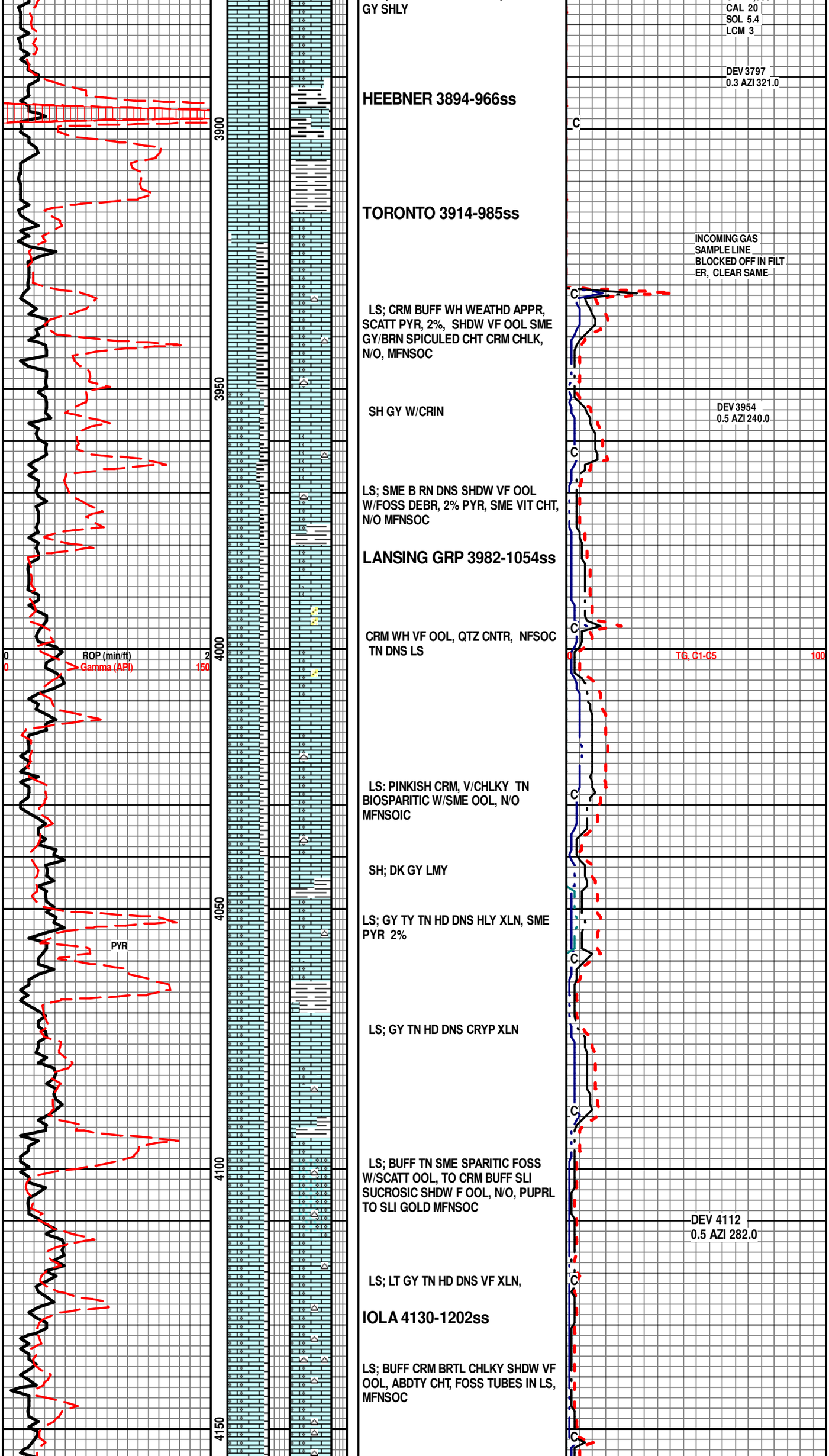
MUDLOGGER

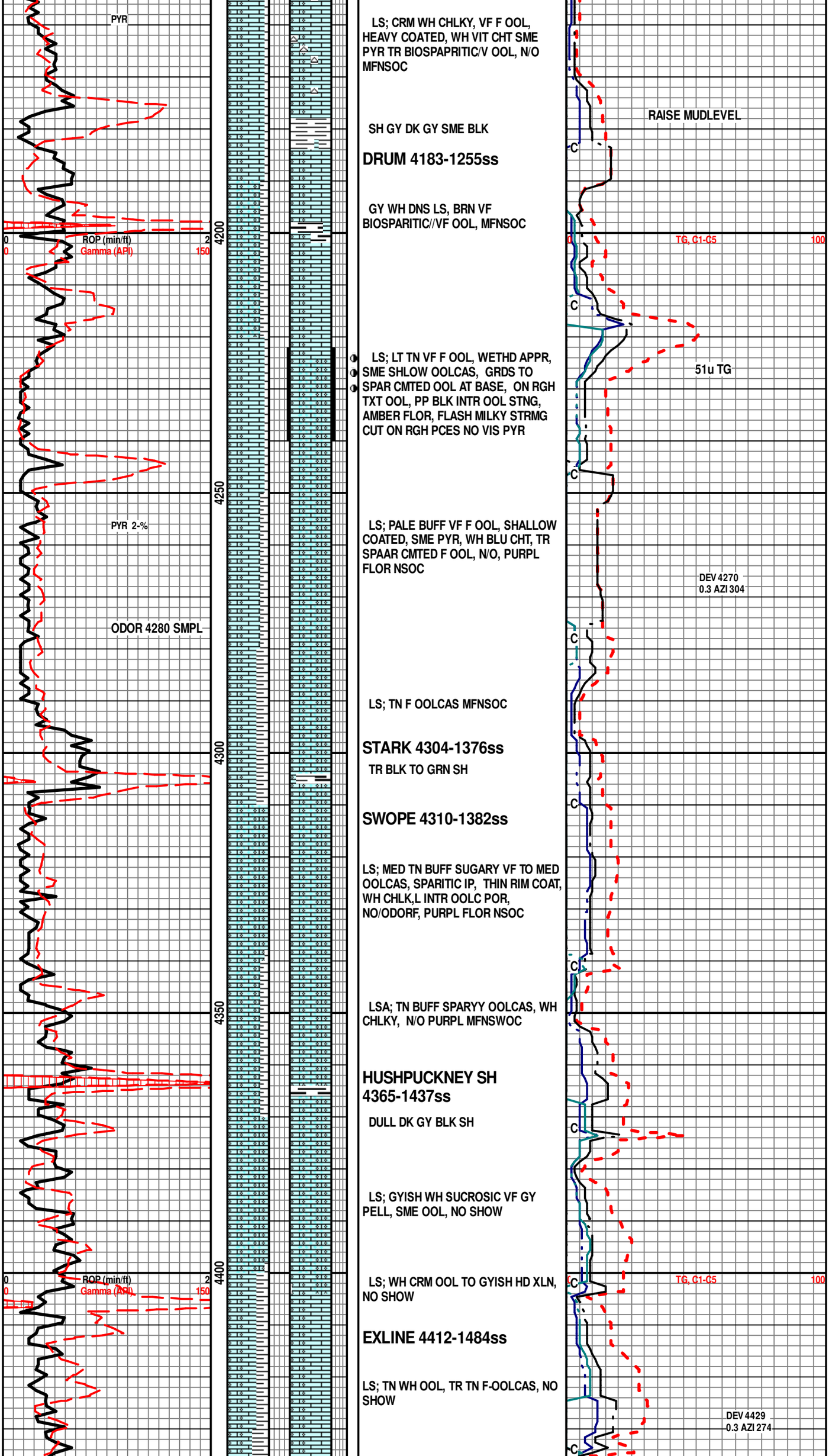
Name: AUSTIN GARNER (620)655-2016
Company: MBC WELL LOGGING LLC
Address: 21156 RD 22
MEADE, KANSAS 67864

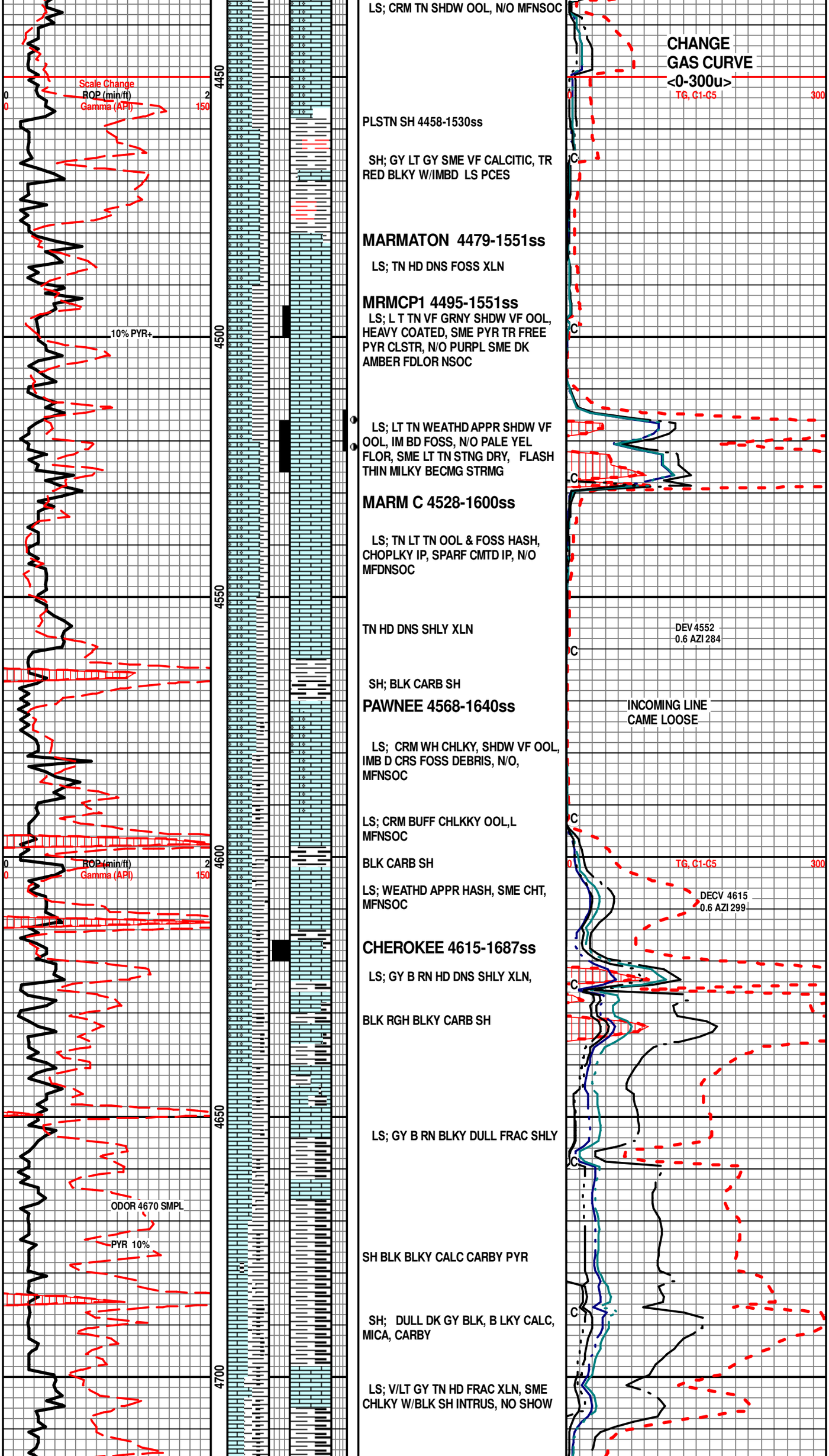
ROCK TYPES

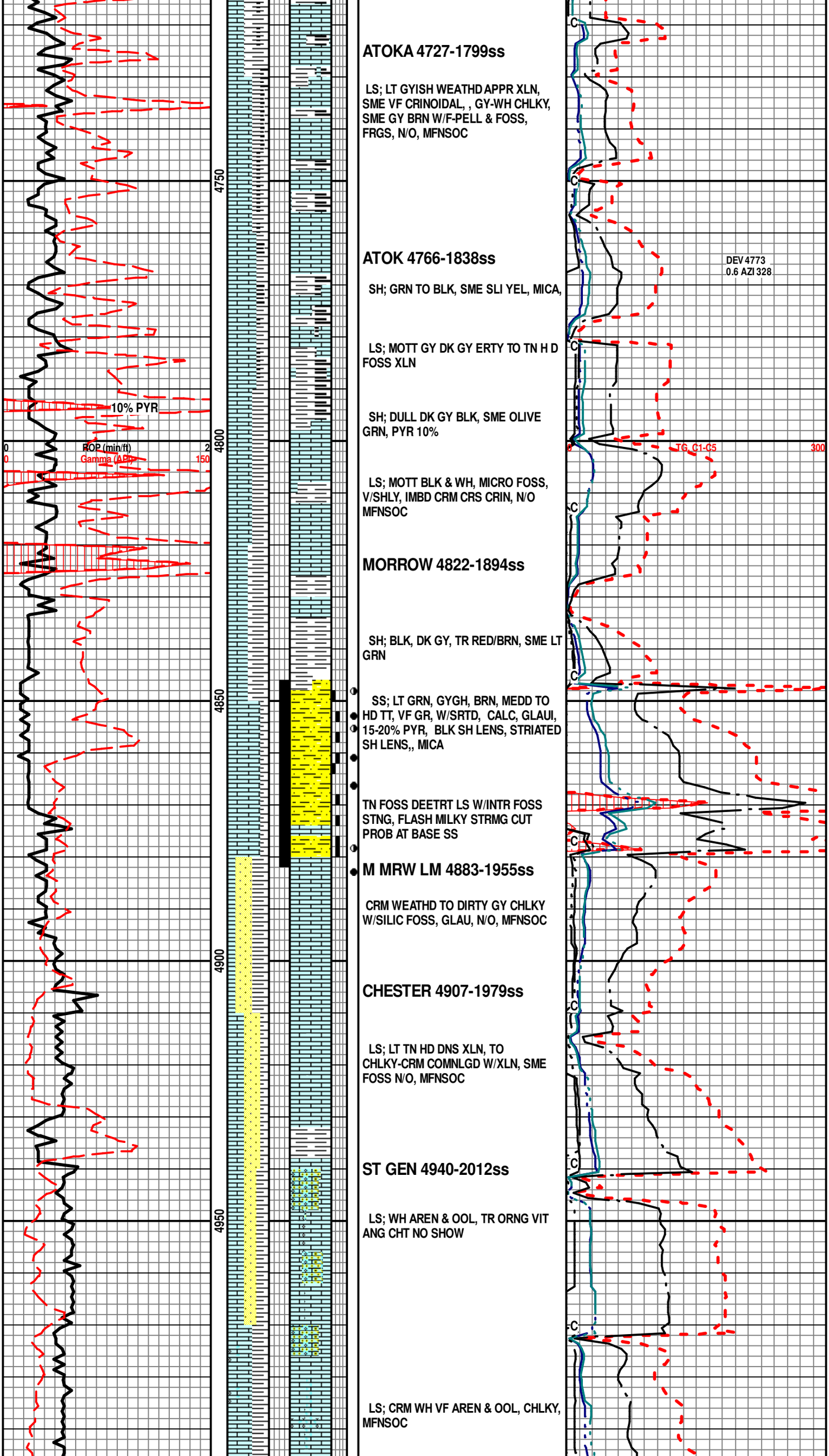
- Anhy
- Brec
- Cht
- Coal
- Congl
- Shly dolomite
- Dolo new
- New dolomite
- Newdolo ls 2
- Ls & ooids
- Oolitic ls -1
- Stgensndy-arkos
- New ls-1
- Carby shale
- Lmy carby sh-3
- Carb sh
- Gyp
- Sltst
- Salt
- Sndy sh--red
- Sndy sh
- Sltst-1
- Slty-shale
- Lmy ss-1
- Arkosic snd
- Ss
- Grn sh strk
- 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

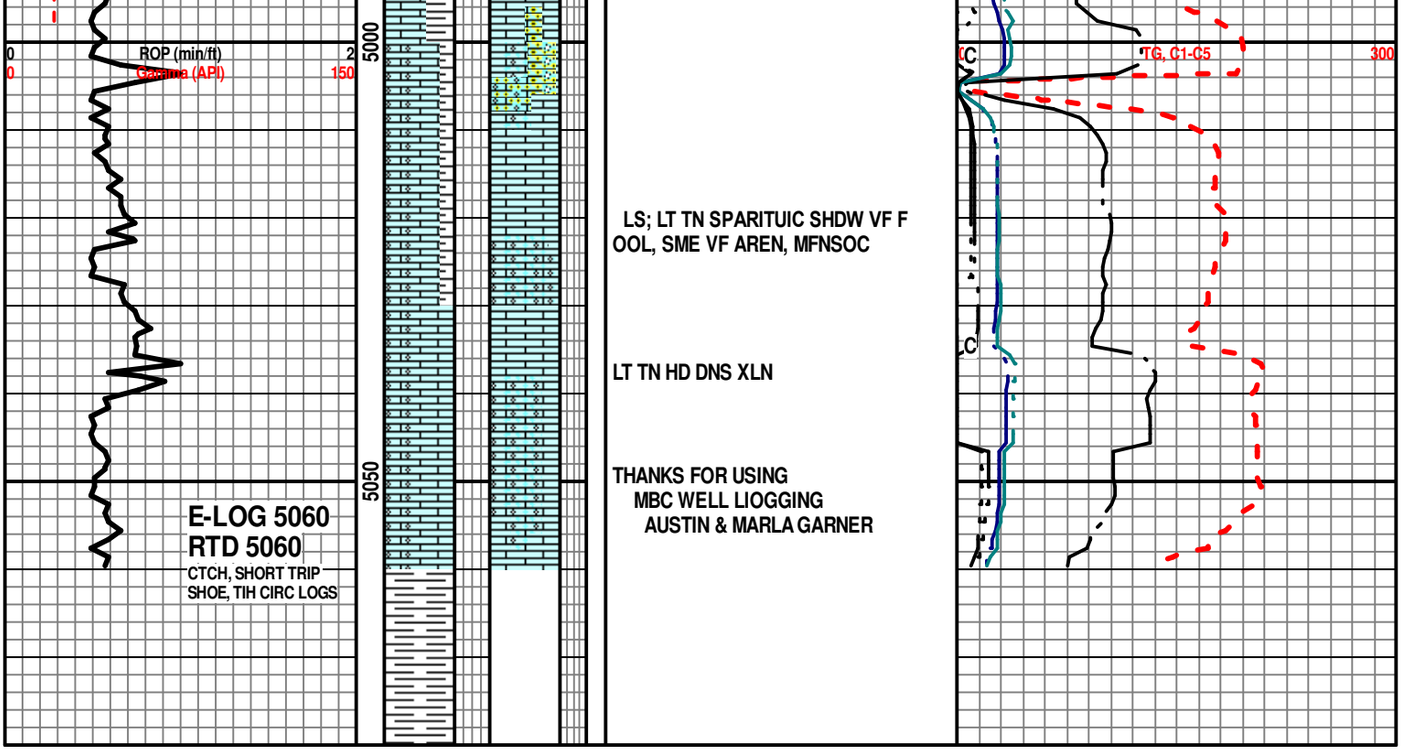



GY SHLY
CAL 20
SOL 5.4
LCM 3
DEV 3797
0.3 AZI 321.0
HEEBNER 3894-966ss
3900
TORONTO 3914-985ss
INCOMING GAS
SAMPLE LINE
BLOCKED OFF IN FILT
ER, CLEAR SAME
LS; CRM BUFF WH WEATHD APPR,
SCATT PYR, 2%, SHDW VF OOL SME
GY/BRN SPICULED CHT CRM CHLK,
N/O, MFNSOC
3950
SH GY W/CRIN
DEV 3954
0.5 AZI 240.0
LS; SME B RN DNS SHDW VF OOL
W/FOSS DEBR, 2% PYR, SME VIT CHT,
N/O MFNSOC
LANSING GRP 3982-1054ss
CRM WH VF OOL, QTZ CNTR, NFSOC
TN DNS LS
0
ROP (min/ft)
2
0
Gamma (API)
150
0
TG, C1-C5
100
4000
LS: PINKISH CRM, V/CHLKY TN
BIOSPARITIC W/SME OOL, N/O
MFNSOIC
SH; DK GY LMY
4050
LS; GY TY TN HD DNS HLY XLN, SME
PYR 2%
PYR
LS; GY TN HD DNS CRYP XLN
4100
LS; BUFF TN SME SPARITIC FOSS
W/SCATT OOL, TO CRM BUFF SLI
SUCROSIC SHDW F OOL, N/O, PUPRL
TO SLI GOLD MFNSOC
DEV 4112
0.5 AZI 282.0
LS; LT GY TN HD DNS VF XLN,
IOLA 4130-1202ss
LS; BUFF CRM BRTL CHLKY SHDW VF
OOL, ABDTY CHT, FOSS TUBES IN LS,
MFNSOC
4150


PYR
0
ROP (min/ft)
2
0
Gamma (API)
150
4200
4250
PYR 2-%
ODOR 4280 SMPL
4300
4350
4400
0
ROP (min/ft)
2
0
Gamma (API)
150
LS; CRM WH CHLKY, VF F OOL, HEAVY COATED, WH VIT CHT SME PYR TR BIOSPAPRITIC/V OOL, N/O MFNSOC
SH GY DK GY SME BLK
DRUM 4183-1255ss
GY WH DNS LS, BRN VF BIOSPARITIC//VF OOL, MFNSOC
LS; LT TN VF F OOL, WETHD APPR, SME SHLOW OOLCAS, GRDS TO SPAR CMTED OOL AT BASE, ON RGH TXT OOL, PP BLK INTR OOL STNG, AMBER FLOR, FLASH MILKY STRMG CUT ON RGH PCES NO VIS PYR
LS; PALE BUFF VF F OOL, SHALLOW COATED, SME PYR, WH BLU CHT, TR SPAAR CMTED F OOL, N/O, PURPL FLOR NSOC
LS; TN F OOLCAS MFNSOC
STARK 4304-1376ss
TR BLK TO GRN SH
SWOPE 4310-1382ss
LS; MED TN BUFF SUGARY VF TO MED OOLCAS, SPARITIC IP, THIN RIM COAT, WH CHLK,L INTR OOLC POR, NO/ODORF, PURPL FLOR NSOC
LSA; TN BUFF SPARYY OOLCAS, WH CHLKY, N/O PURPL MFNSWOC
HUSHPUCKNEY SH 4365-1437ss
DULL DK GY BLK SH
LS; GYISH WH SUCROSIC VF GY PELL, SME OOL, NO SHOW
LS; WH CRM OOL TO GYISH HD XLN, NO SHOW
EXLINE 4412-1484ss
LS; TN WH OOL, TR TN F-OOLCAS, NO SHOW
RAISE MUDLEVEL
C
TG, C1-C5
100
51u TG
DEV 4270
0.3 AZI 304
DEV 4429
0.3 AZI 274


Scale Change
0
ROP (min/ft)
2
0
Gamma (API)
150
10% PYR+
ROP (min/ft)
Gamma (API)
ODOR 4670 SMPL
PYR 10%
4450
4500
4550
4600
4650
4700
LS; CRM TN SHDW OOL, N/O MFNSOC
PLSTN SH 4458-1530ss
SH; GY LT GY SME VF CALCITIC, TR RED BLKY W/IMBD LS PCES
MARMATON 4479-1551ss
LS; TN HD DNS FOSS XLN
MRMCP1 4495-1551ss
LS; L T TN VF GRNY SHDW VF OOL, HEAVY COATED, SME PYR TR FREE PYR CLSTR, N/O PURPL SME DK AMBER FDLOR NSOC
LS; LT TN WEATHD APPR SHDW VF OOL, IM BD FOSS, N/O PALE YEL FLOR, SME LT TN STNG DRY, FLASH THIN MILKY BECMG STRMG
MARM C 4528-1600ss
LS; TN LT TN OOL & FOSS HASH, CHOPLKY IP, SPARF CMTD IP, N/O MFDNSOC
TN HD DNS SHLY XLN
SH; BLK CARB SH
PAWNEE 4568-1640ss
LS; CRM WH CHLKY, SHDW VF OOL, IMB D CRS FOSS DEBRIS, N/O, MFNSOC
LS; CRM BUFF CHLKKY OOL,L MFNSOC
BLK CARB SH
LS; WEATHD APPR HASH, SME CHT, MFNSOC
CHEROKEE 4615-1687ss
LS; GY B RN HD DNS SHLY XLN,
BLK RGH BLKY CARB SH
LS; GY B RN BLKY DULL FRAC SHLY
SH BLK BLKY CALC CARBY PYR
SH; DULL DK GY BLK, B LKY CALC, MICA, CARBY
LS; V/LT GY TN HD FRAC XLN, SME CHLKY W/BLK SH INTRUS, NO SHOW
CHANGE GAS CURVE <0-300u>
0
TG, C1-C5
300
C
DEV 4552
0.6 AZI 284
INCOMING LINE CAME LOOSE
DECV 4615
0.6 AZI 299


ATOKA 4727-1799ss
LS; LT GYISH WEATHD APPR XLN, SME VF CRINOIDAL, , GY-WH CHLKY, SME GY BRN W/F-PELL & FOSS, FRGS, N/O, MFNSOC
ATOK 4766-1838ss
SH; GRN TO BLK, SME SLI YEL, MICA,
LS; MOTT GY DK GY ERTY TO TN H D FOSS XLN
SH; DULL DK GY BLK, SME OLIVE GRN, PYR 10%
LS; MOTT BLK & WH, MICRO FOSS, V/SHLY, IMBD CRM CRS CRIN, N/O MFNSOC
MORROW 4822-1894ss
SH; BLK, DK GY, TR RED/BRN, SME LT GRN
SS; LT GRN, GYGH, BRN, MEDD TO HD TT, VF GR, W/SRTD, CALC, GLAUI, 15-20% PYR, BLK SH LENS, STRIATED SH LENS,, MICA
TN FOSS DEETRT LS W/INTR FOSS STNG, FLASH MILKY STRMG CUT PROB AT BASE SS
M MRW LM 4883-1955ss
CRM WEATHD TO DIRTY GY CHLKY W/SILIC FOSS, GLAU, N/O, MFNSOC
CHESTER 4907-1979ss
LS; LT TN HD DNS XLN, TO CHLKY-CRM COMNLGD W/XLN, SME FOSS N/O, MFNSOC
ST GEN 4940-2012ss
LS; WH AREN & OOL, TR ORNG VIT ANG CHT NO SHOW
LS; CRM WH VF AREN & OOL, CHLKY, MFNSOC
4750
4800
4850
4900
4950
10% PYR
ROP (min/ft)
Gamma (API)
0
0
2
150
DEV 4773
0.6 AZI 328
TG, C1-C5
300
C


0
ROP (min/ft)
2
0
Gamma (API)
150
5000
5050
C
C
TG, C1-C5
300
LS; LT TN SPARITUIC SHDW VF F
OOL, SME VF AREN, MFNSOC
LT TN HD DNS XLN
THANKS FOR USING
MBC WELL LIOGGING
AUSTIN & MARLA GARNER
E-LOG 5060
RTD 5060
CTCH, SHORT TRIP
SHOE, TIH CIRC LOGS

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

CEMENTING JOB LOG

Company:	MERIT ENERGY COMPANY		**Well Name:** McWILLIAMS E-10		
Type Job:	Cement- Surface		**AFE #:**		
CASING DATA					
Size:	13 3/8	Grade:	Weight:		
Casing Depths	Top:	Bottom:			
Drill Pipe:	Size:	Weight:			
Tubing:	Size:	Weight:	Grade:	TD (ft):	
Open Hole:	Size: 17 1/2	T.D. (ft):			
Perforations	From (ft):	To:	Packer Depth(ft):		

CEMENT DATA

Spacer Type:									
Amt.		Sks Yield		$ft^3/_{sk}$			Density (PPG)		
LEAD:							Excess		
Amt.		Sks Yield		$ft^3/_{sk}$			Density (PPG)		
TAIL:	CLASS C 2%CaCl, 1/4#POLY						Excess		
Amt.	185	Sks Yield	1.33	$ft^3/_{sk}$			Density (PPG)	14.8	
WATER:									
Lead:	6.3	gals/sk:	28	Tail:		gals/sk:		Total (bbls):	
Pump Trucks Used:	210-DP11								
Bulk Equipment:	227 660-25								
Disp. Fluid Type:	FRESH		Amt. (Bbls.)				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	
0130						ON LOC, SAFTEY MTG R.U.
0245	120				4	START MIXING
0300				44	1.8	START DISPLACEMENT WASHUP
0309	100			15.5		SHUT DOWN, SHUT IN WELL
0310						RELEASE PSI, R.D.
						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!!
						17 BBLS to P.T
						Cement

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 #:	4111	***AFE#/PO#:***	0
TYPE / PURPOSE OF JOB	Cement- Surface	**SERVICE POINT**	Liberal, KS
CUSTOMER	MERIT ENERGY COMPANY	**WELL NAME**	McWILLIAMS E-10
ADDRESS	GARDENCITY.INVOICES@MERITENERGY.COM	**LOCATION**	GARDEN CITY, KS
CITY	**STATE** / **ZIP**	**TYPE AND PURPOSE OF JOB**	Cement- Surface
DATE OF SALE	8/10/2021	**COUNTY**	FINNEY
		STATE	KS

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	5440	L	Per Well	Pumping Charge 0'-3500'	$1,575.00	$ 1,575.00
Subtotal for Pumping & Equipment Charges						**$ 2,484.00**

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
185	5632	L	Per Sack	Cement - Class C	$18.90	$ 3,496.50
350	5770	L	Per Lb.	Calcium Chloride	$1.26	$ 441.00
93	5800	L	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	$2.52	$ 234.36
300	5930	L	Per Lb.	Sugar	$2.52	$ 756.00
Subtotal for Material Charges						**$ 4,927.86**

WORKERS		
CHAD HINZ		
JESSE PAXTON		
OSCAR CHAVEZ		

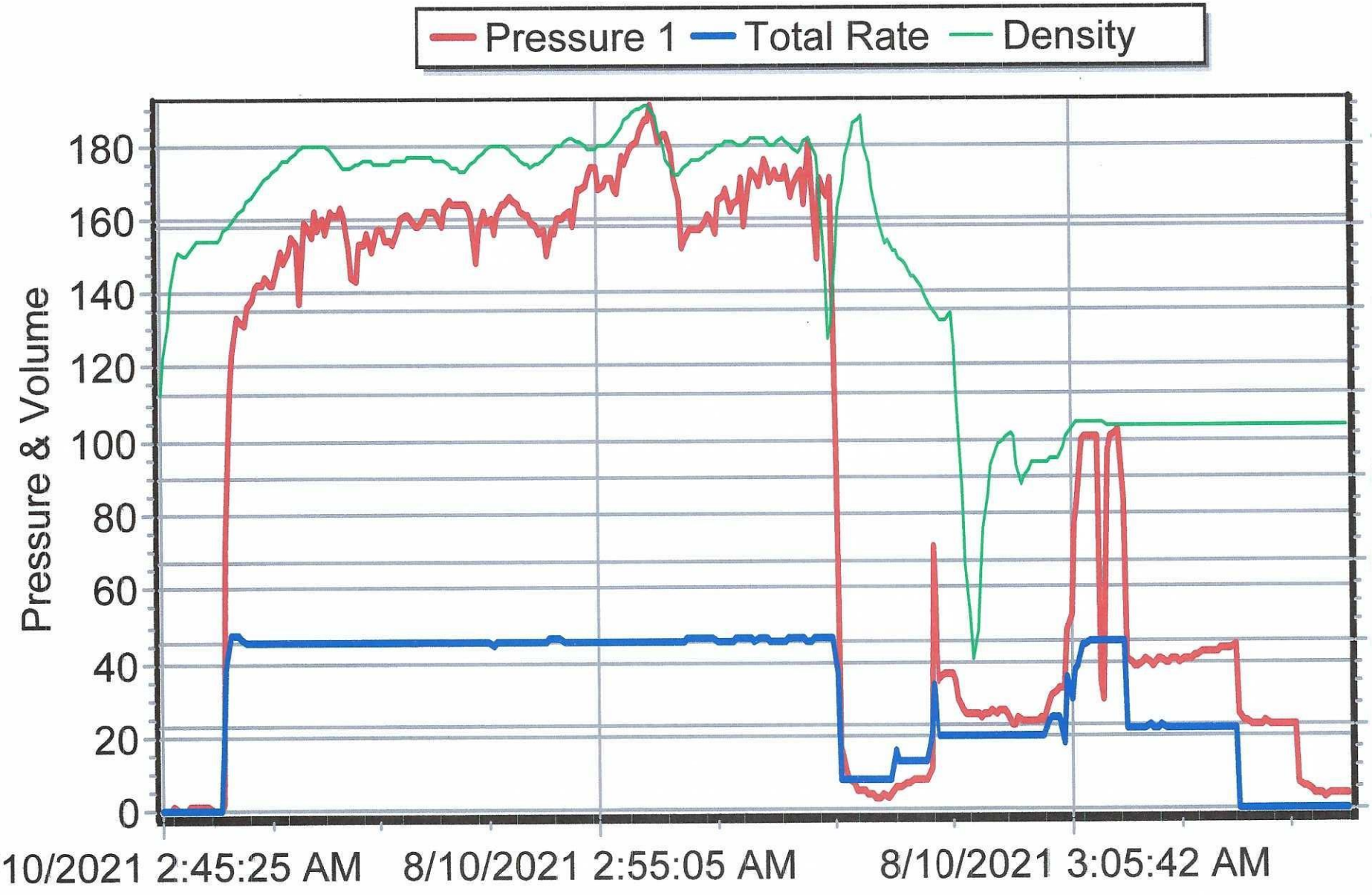
		TOTAL	$ 7,411.86
DISCOUNT:	**15%**	**DISCOUNT**	$ 1,111.78
		DISCOUNTED TOTAL	**$ 6,300.08**

STAMPS & NOTES:

As of 9/22/15 any invoice with a discount must paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect full price.

CUSTOMER SIGNATURE & DATE

MERIT ENERGY
McWILLIAMS E-10 13 3/8



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

Form 185-2c

8/11/21
CEMENTING JOB LOG

CEMENTING JOB LOG

Company:	Merit Energy Company	**Well Name:**	McWilliams E-10
Type Job:	Cement- Surface	**AFE #:**	68003

CASING DATA

Size:	8 5/8	Grade:	J-55	Weight:	24
Casing Depths	Top:	Bottom:			
Drill Pipe:	Size:	Weight:			
Open Hole:	Size: 12 1/4	T.D. (ft):	1844		

CEMENT DATA

Spacer Type:							
Amt.		Sks Yield	0	$ft^3/_{sk}$		Density (PPG)	
LEAD:	Class C: 2% Gyp. 2% SMS, 3% Calcium Chloride, 1/4# Celloflake					Excess	
Amt.	535	Sks Yield	1294.7	$ft^3/_{sk}$	2.42	Density (PPG)	12.12
TAIL:	Class C: 2% Calcium Chloride, 1/4# Celloflake					Excess	
Amt.	165	Sks Yield	194.7	$ft^3/_{sk}$	1.18	Density (PPG)	15.6

WATER:									
Lead:	535	gals/sk:	14.25	Tail:	165	gals/sk:	5.2	Total (bbls):	201.9
Pump Trucks Used:	110, DP07								
Bulk Equipment:	229, 660-20 / 230, 660-24								
Disp. Fluid Type:	Water (Supplied)			Amt. (Bbls.)	113.9	Weight (PPG):	8.33		

COMPANY REPRESENTATIVE: Rodney **CEMENTER:** Daniel Beck

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
0:01						ON LOCATION & SAFETY MEETING
0:10						RIG UP
6:15						RIG TO CIRCULATE
6:45						RIG TO PT
6:48						PRESSURE TEST TO 1500PSI
6:53	350			230.5slurry	6.0	PUMP 535SX LEAD @ 12.1#
7:36	530			34.6slurry	6.4	PUMP 165SX TAIL @ 15.6#
7:42						SHUTDOWN / DROP PLUG
7:44	280			10	5.0	DISPLACE
	340			20	6.5	
	380			30	6.5	
	410			40	6.5	
	430			50	6.4	
	510			60	6.4	
	650			70	6.4	
	740			80	6.4	
	870			90	6.4	
	960			100	6.4	CEMENT TO SURFACE
8:02	730			103	6.4	SLOW RATE TO 1.9BPM @ 730PSI
8:05	730			113.9	1.8	LAND PLUG / PRESSURE UP TO 1340PSI
8:07						RELEASE BACK --- FLOAT HELD
						JOB COMPLETE

CIRC 60 BBLS Cement

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 #: 4112 | ***AFE#/PO#:*** 68003

TYPE / PURPOSE OF JOB	Cement- Surface	**SERVICE POINT**	Liberal, KS
CUSTOMER	Merit Energy Company	**WELL NAME**	McWilliams E-10
ADDRESS	gardencity.invoices@meritenergy.com (PO Box	**LOCATION**	Garden City, Ks.
CITY Lindsay	**STATE** Ok. **ZIP** 73052	**TYPE AND PURPOSE OF JOB**	Cement- Surface
DATE OF SALE 8/11/2021		**COUNTY** Finney	**STATE** KS

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
1	6030	L	Per Well	Plug Container	$315.00	$ 315.00

Subtotal for Pumping & Equipment Charges **$ 3,159.00**

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
700	5632	L	Per Sack	Cement - Class C	$18.90	$ 13,230.00
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
1,820	5770	L	Per Lb.	Calcium Chloride	$1.26	$ 2,293.20
175	5800	L	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	$2.52	$ 441.00
1,010	5850	L	Per Lb.	Gypsum	$0.95	$ 959.50
1,010	5900	L	Per Lb.	Sodium Metasilicate (SMS) C-45	$2.21	$ 2,232.10
100	5930	L	Per Lb.	Sugar	$2.52	$ 252.00

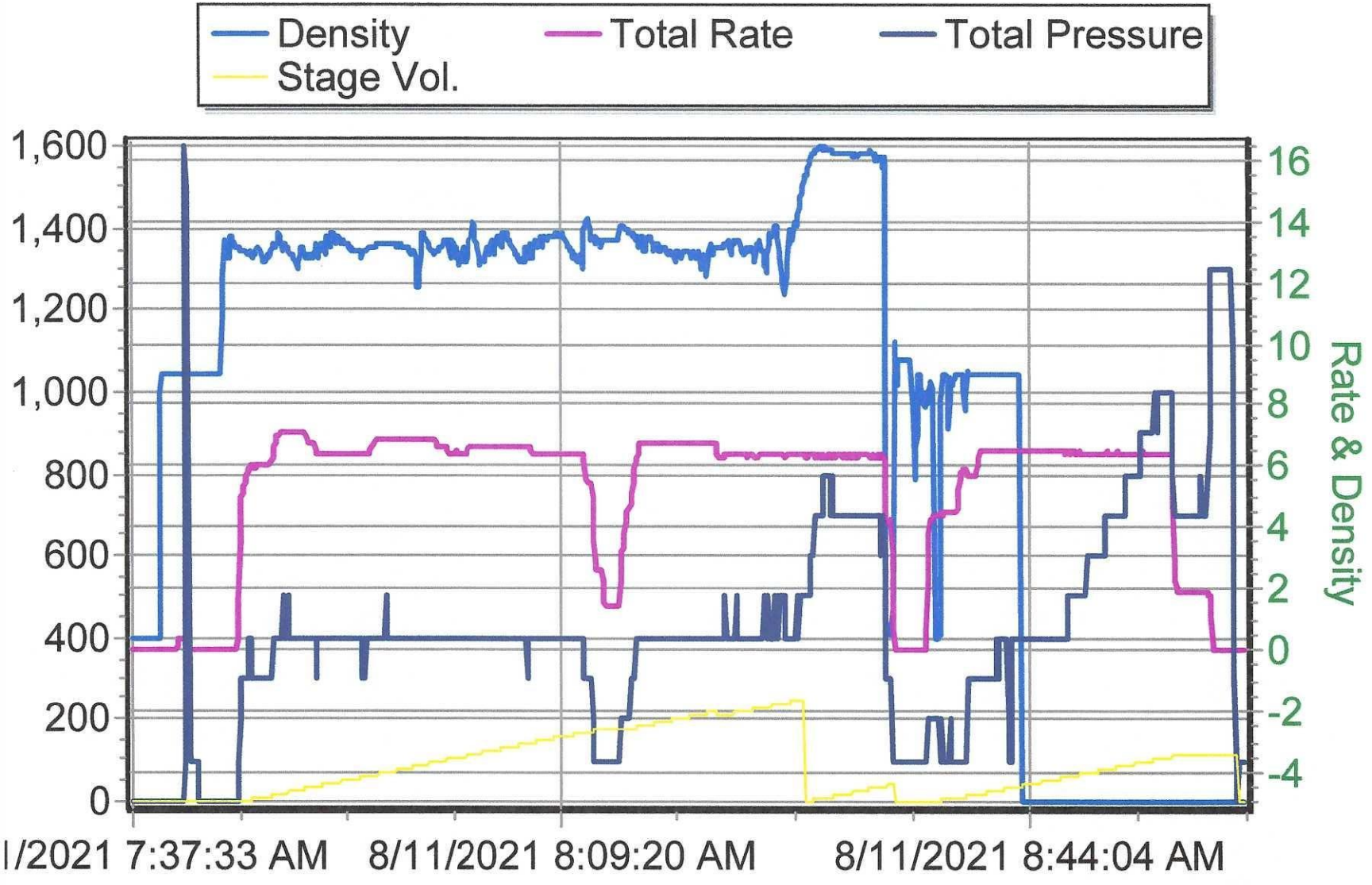
Subtotal for Material Charges **$ 21,429.40**

WORKERS					
Daniel Beck			**TOTAL**	$	24,588.40
Kirby Harper			**DISCOUNT:** 40%	**DISCOUNT**	$ 9,835.36
Angel Echevarria				**DISCOUNTED TOTAL**	$ **14,753.04**

STAMPS & NOTES:

As of 9/22/15 any invoice with a discount must paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect full price.

Merit Energy Company
McWilliams E-10



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Form 185-2c

8/14/21

CEMENTING JOB LOG

CEMENTING JOB LOG

Company:	MERIT ENERGY COMPANY			**Well Name:**	McWILLIAMS E-10		
Type Job:	Cement- Production			**AFE #:**			
CASING DATA							
Size:	5 1/2	Grade:	J-55	Weight:	17		
Casing Depths	Top:	Bottom:					
Drill Pipe:	Size:	Weight:					
Tubing:	Size:	Weight:		Grade:		TD (ft):	5060
Open Hole:	Size: 7 7/8	T.D. (ft):	5060				
Perforations	From (ft):	To:		Packer Depth(ft):			

CEMENT DATA							
Spacer Type:							
Amt.		Sks Yield		ft $^3/_{sk}$		Density (PPG)	
LEAD:	CLASS A 60/40/4					Excess	
Amt.	50	Sks Yield	1.45	ft $^3/_{sk}$		Density (PPG)	13.7
TAIL:	CLASS A 6%GYP, 10%SALT, 2%GEL, 5#KOLSEAL, .5%C-15, 1/4#POLY					Excess	
Amt.	205	Sks Yield	1.58	ft $^3/_{sk}$		Density (PPG)	14.6
WATER:							
Lead:	7.1	gals/sk:	9	Tail:	7.1	gals/sk:	35	Total (bbls):	44
Pump Trucks Used:	210-DP11						
Bulk Equipment:	227 660-25						
Disp. Fluid Type:	KCL	Amt. (Bbls.)	116.2	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	
0630						ON LOC, SAFTEY MTG, R.U.
0839	3500					TEST LINES
0850	250				3.5	PUMP SS FLUSH
0853	250			12	3.8	H2O SPACER
0859						PLUG R & M
0909	470				6.4	START MIXING
0928				58		SHUT DOWN, DROP PLUG, WASHUP
0933	240				7.4	START DISPLACEMENT W/KCL
0949	820			106	2	SLOW RATE
0952	1000-1500			116		PLUG DOWN
0955						RELEASE PSI, FLOAT HELD
						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!!