

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	MCWILLIAMS E 9
Doc ID	1514545

All Electric Logs Run

BOREHOLE COMPENSATED SONIC LOG
COMPENSATED NEUTRON PEL DENSITY MICRO LOG
COMPOSITE LOG
MICROLOG
PHASED INDUCTION SHALLOW FOCUSE SP LOG
SONIC CEMENT BOND LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	MCWILLIAMS E 9
Doc ID	1514545

Tops

Name	Top	Datum
Heebner	3875	.
Toronto	3090	.
Lansing	3910	.
Kansas City	4277	.
Marmaton	4450	.
Pawnee	4540	.
Cherokee	4585	.
Atoka	4668	.
Morrow	4828	.
Basal Chester	4892	.
St Genevieve	4898	.

MBC WELL LOGGING LLC

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

Well Name: McWILLIAMS E-9 AFE: 64935 MERIT ENERGY CO LLC
 Well Id: API 15-055-22530-00-00
 Location: FINNEY COUNTY, KANSAS USA
 License Number: 32446
 Spud Date: 01/03/2020
 Surface Coordinates: SHL 414'fwl- 2002'fni- SEC 21-T24S-R33W
 LAT: 37.954433 LONG: -100.955033
 Bottom Hole Coordinates: HLS-DIL/SP/GR CNL/CAL/PE/BHV SONIC SFC- GR TO SFC'
 Ground Elevation (ft): 2897' K.B. Elevation (ft): 2909'
 Logged Interval (ft): 3800' To: 5100 Total Depth (ft): ELOG:
 Formation: MISSISSIPPI
 Type of Drilling Fluid: MUDCO JUSTIN WHITING CELL (620)-214-3630

Region: COWGILL
 Drilling Completed: 1-06-2020

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

OPERATOR

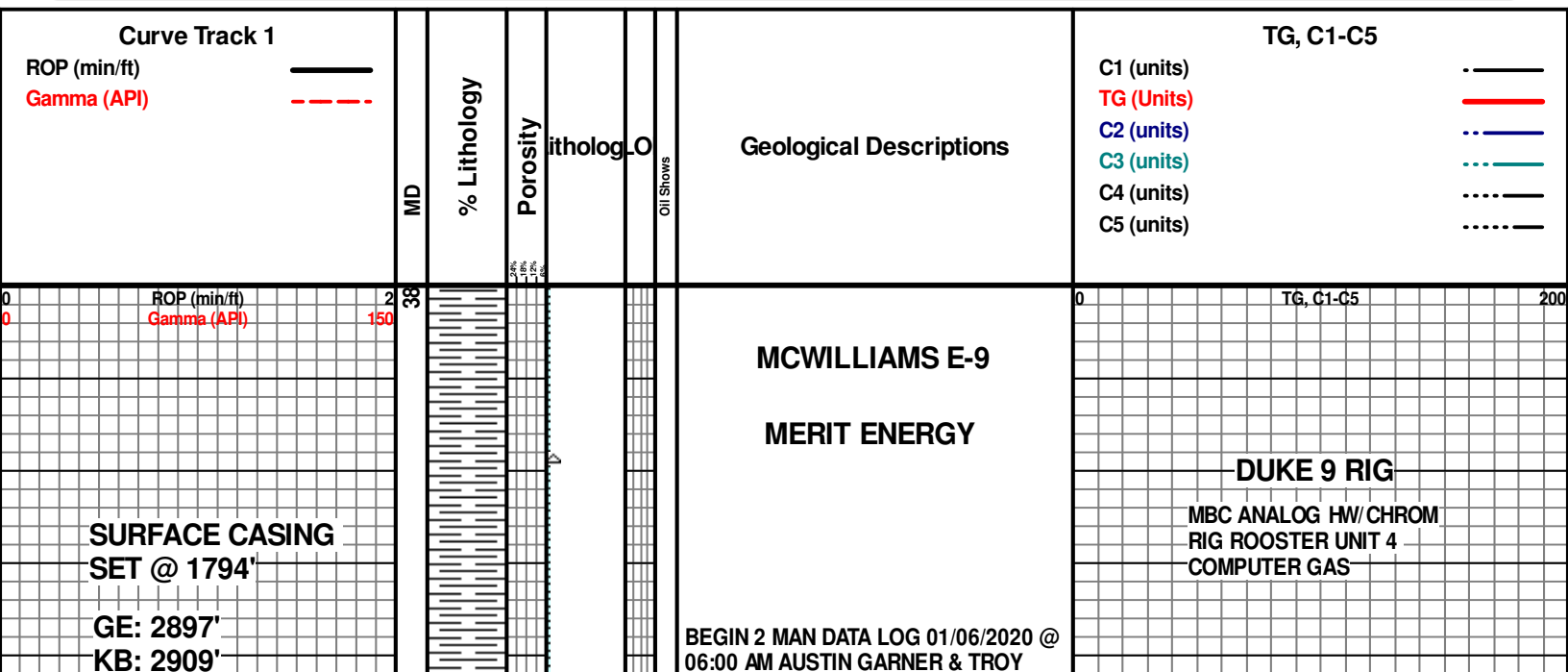
Company: MERIT ENERGY CO LLC
 Address: ATTN CAMERON GUTHRIE GEOLOGY
 13727 NOEL RD STE 1200
 DALLAS, TEXAS 75240

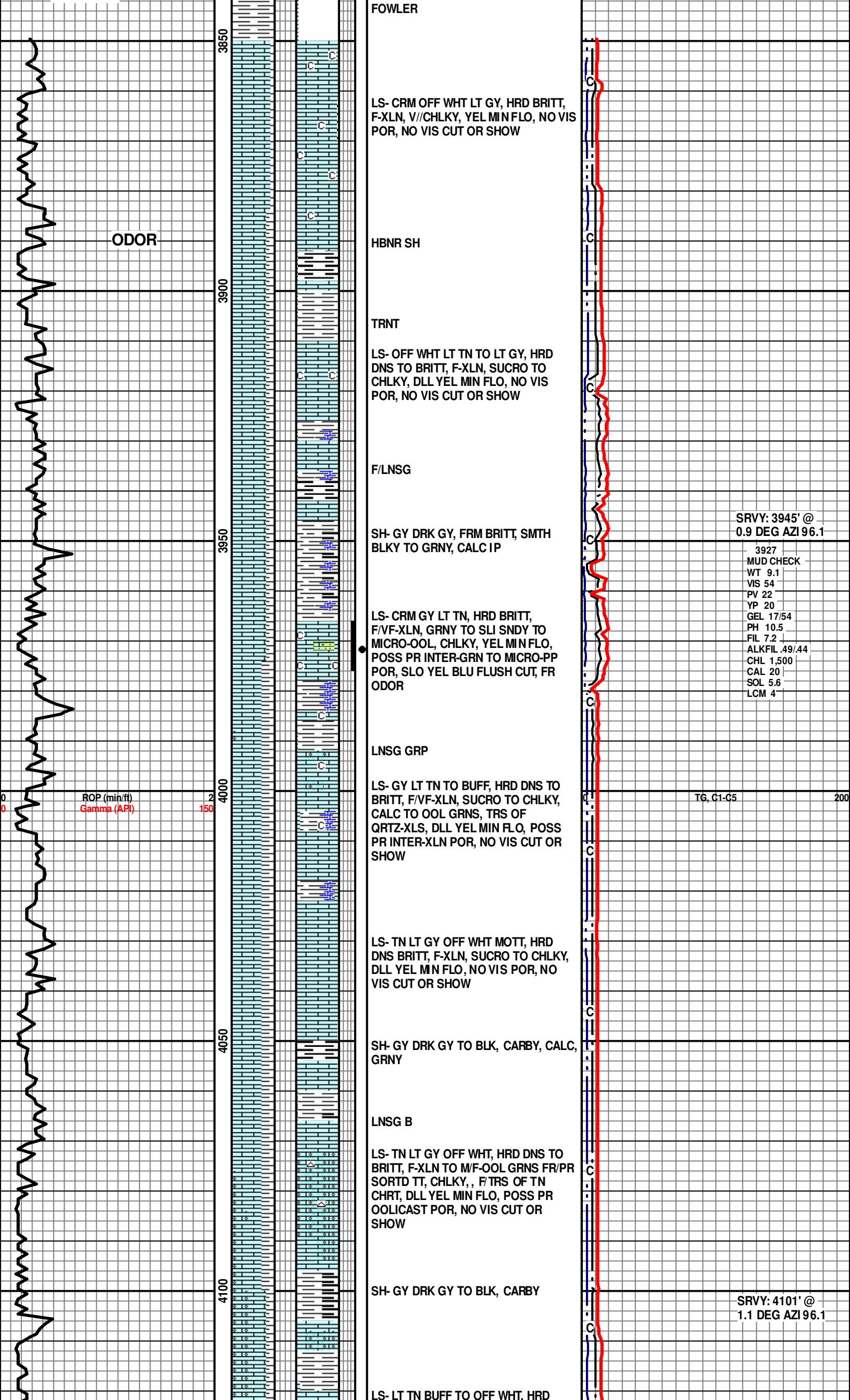
MUDLOGGER

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

ROCK TYPES

	Anhy		Ls & ooids		Sndy sh		Stgensndy-arkos
	Brec		Oolitic ls -1		Sltst-1		Sndy ool ls
	Cht		Stgensndy-arkos		Silty-shale		Sndy-ls-1
	Coal		New ls-1		Lmy ss-1		Calc shale
	Congl		Carby shale		Arkosic snd		Granitewash
	Shly dolomite		Lmy carby sh-3		Ss		Ls shly-b
	Chty sndy shly dol		Carb sh		Grn sh strk		Poor sortd ss
	New symbol		Gyp		Grn mott gy sh		Snd-ls-sh
	Dolo new		Sltst		Lmy sh-2		
	New dolomite 201		Salt		Shale-1		
	Newdolo ls 2		Sndy sh--red		Red sh-1		





FOWLER

LS- CRM OFF WHT LT GY, HRD BRITT, F-XLN, V//CHLKY, YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

ODOR

HBNR SH

TRNT

LS- OFF WHT LT TN TO LT GY, HRD DNS TO BRITT, F-XLN, SUCRO TO CHLKY, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

F/LNSG

SH- GY DRK GY, FRM BRITT, SMTH BLKY TO GRNY, CALC IP

SRVY: 3945' @
0.9 DEG AZI 96.1

3927
MUD CHECK
WT 9.1
VIS 54
PV 22
YP 20
GEL 17/54
PH 10.5
FIL 7.2
ALKFIL 49/44
CHL 1,500
CAL 20
SOL 5.6
LCM 4

LS- CRM GY LT TN, HRD BRITT, F/VF-XLN, GRNY TO SLI SNDY TO MICRO-OOL, CHLKY, YEL MIN FLO, POSS PR INTER-GRN TO MICRO-PP POR, SLO YEL BLU FLUSH CUT, FR ODOR

LNSG GRP

ROP (min/ft)
Gamma (API)

LS- GY LT TN TO BUFF, HRD DNS TO BRITT, F/VF-XLN, SUCRO TO CHLKY, CALC TO OOL GRNS, TRS OF QRTZ-XLS, DLL YEL MIN FLO, POSS PR INTER-XLN POR, NO VIS CUT OR SHOW

TG, C1-C5

LS- TN LT GY OFF WHT MOTT, HRD DNS BRITT, F-XLN, SUCRO TO CHLKY, DLL YEL MIN FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- GY DRK GY TO BLK, CARBY, CALC, GRNY

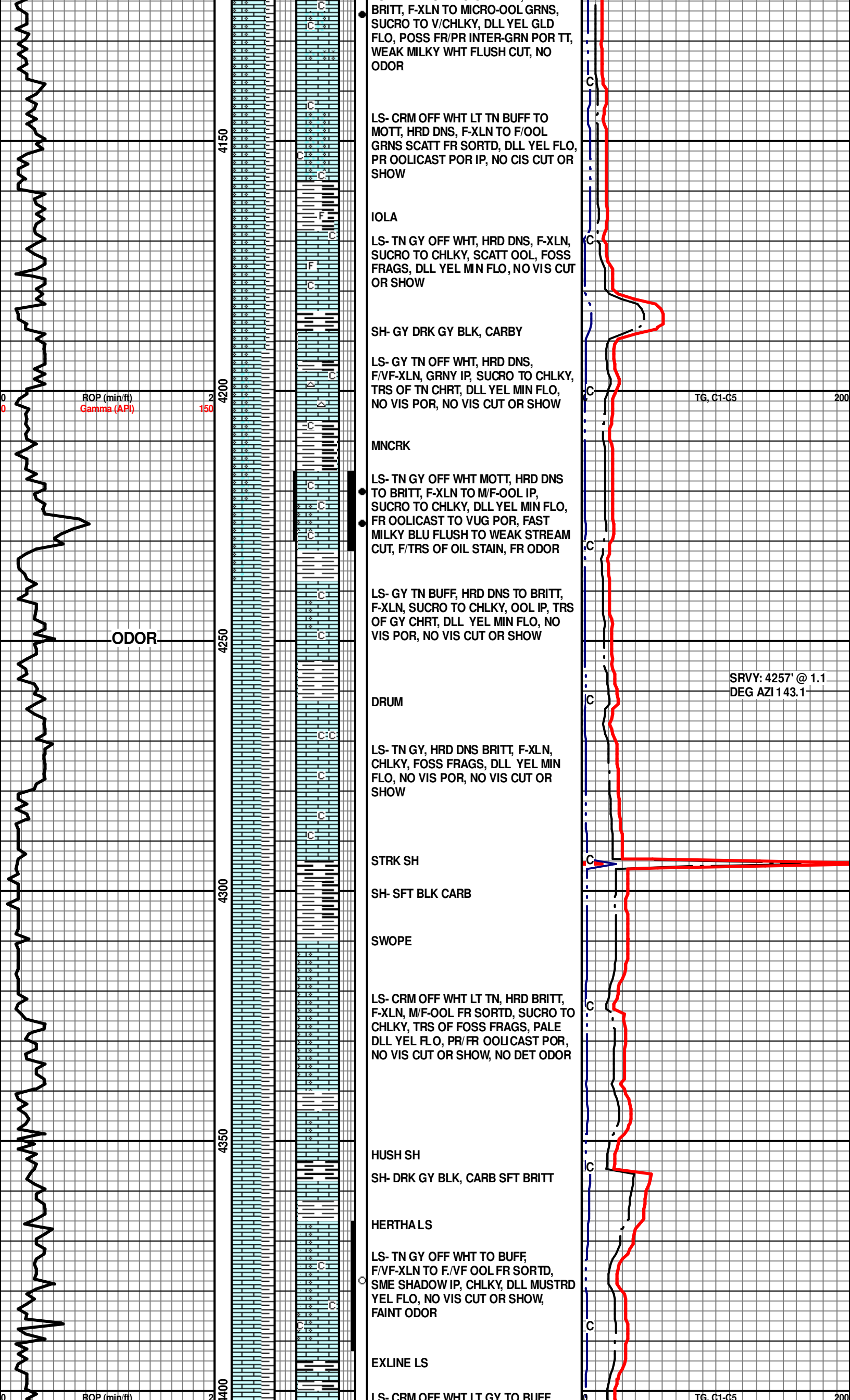
LNSG B

LS- TN LT GY OFF WHT, HRD DNS TO BRITT, F-XLN TO M/F-OOL GRNS FR/PR SORTD TT, CHLKY,, F/TRS OF TN CHRT, DLL YEL MIN FLO, POSS PR OOLICAST POR, NO VIS CUT OR SHOW

SH- GY DRK GY TO BLK, CARBY

SRVY: 4101' @
1.1 DEG AZI 96.1

LS- LT TN BUFF TO OFF WHT. HRD



Gamma (API)

150

SRVY: 4412' @ 1.2
DEG AZI 148.1

LS- CRM OFF WHT LT GY, HRD DNS TO BRITT, SUCRO
F-XLN, HRD DNS TO BRITT, SUCRO
CHLKY, F/TRS FOSS FRAGS, SCATT
OOL PR SORTD, TRS OF GY CHRT, DLL
PALE YEL MIN FLO, POSS PR MICRO
PP TO OOLICAST POR IP, NO VIS CUT
OR SHOW

LS- CRM OFF WHT GY, HRD DNS BRITT,
F-XLN, SUCRO TO V/CHLKY, TRS OF
SHADOW OOL, DLL YEL MIN FLO, NO
VIS POR, NO VIS CUT OR SHOW

PLSNT SH

SH- GY DRK GY BRN, FRM BRITT,
SILTY, CALC, PYR

MRMNT GRP

LS- GY OFF WHT TO LT GY, HRD BRITT,
F-XLN, SUCRO CHLKY, SFT OFF WHT
CHLK, OOL IP FR SORTD SM SHADOW
TO BLK OOL IP, YEL MIN FLO, POSS
PR OOLICASTIC POR IP, NO VIS CUT
OR SHOW, NO ODOR

LS- CRM OFF WHT TO LT TN, HRD
BRITT, SUB-SUCRO TO SLI CHLKY, TRS
OF OOL PR SORTD SME BLK SHADOW
OOL IP, F/TRS OF FOSS FRAGS, YEL
MIN FLO, PR/FR OOLICASTIC TO VUG
POR, WEAK PALE MILKY BLU FLUSH
CUT, NO ODOR

LS- TN OFF WHT. HRD BRITT, F-XLN TO
PR SORTD M/F-OOL, SUB-CHLKY,
FOSS FRAGS, SLI CONGLOM, DLL
PALE YEL FLO, POSS PR INTER-FOSS
POR, NO VIS CUT OR SHOW

PAWNEE

CRM OFF WHT LT TN, HRD DNS TO
V/BRITT IP, F/VF-XLN TO M/F-OOL
GRNS TT, CHRTY IP SME W/ OOL, DLL
YEL MIN TO PALE YEL FLO, POSS PR
INTER-OOL POR, NO VIS CUT OR
SHOW, NO ODOR

CHRK GRP

LS- CRM OFF WHT LT GY, HRD DNS TO
BRITT, F-XLN, SUCRO TO CHLKY, TRS
OF OOL PR SORTD, TRS FOSS FRAGS,
TN GY CHRT IP, DLL YEL MIN FLO, NO
VIS POR, NO VIS CUT OR SHOW, NO
ODOR

SH- GY DRK GY TO BLK, FRM BRITT,
CARBY CALC TO INTERBD CHLKY TN
OF WHT LS, SME FOSS FRAGS

LS- OFF WHT TN, HRD BRITT, CHLKY,
TN DRK TN CHRT

SH- GY DRK GY TO BLK, FRM BRITT TO
SFT, CALC, GRNY TO SLI SILTY

LMY SH- GY DRK GY, FRM BRITT,
CALC, CHLKY, GRNY, CARBY IP, PYR,
SME FOSS FRAGS

SRVY: 4568' @ 1.2
DEG AZI 141.1

TG, C1-C5

200

ROP (min/ft)
Gamma (API)

150

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

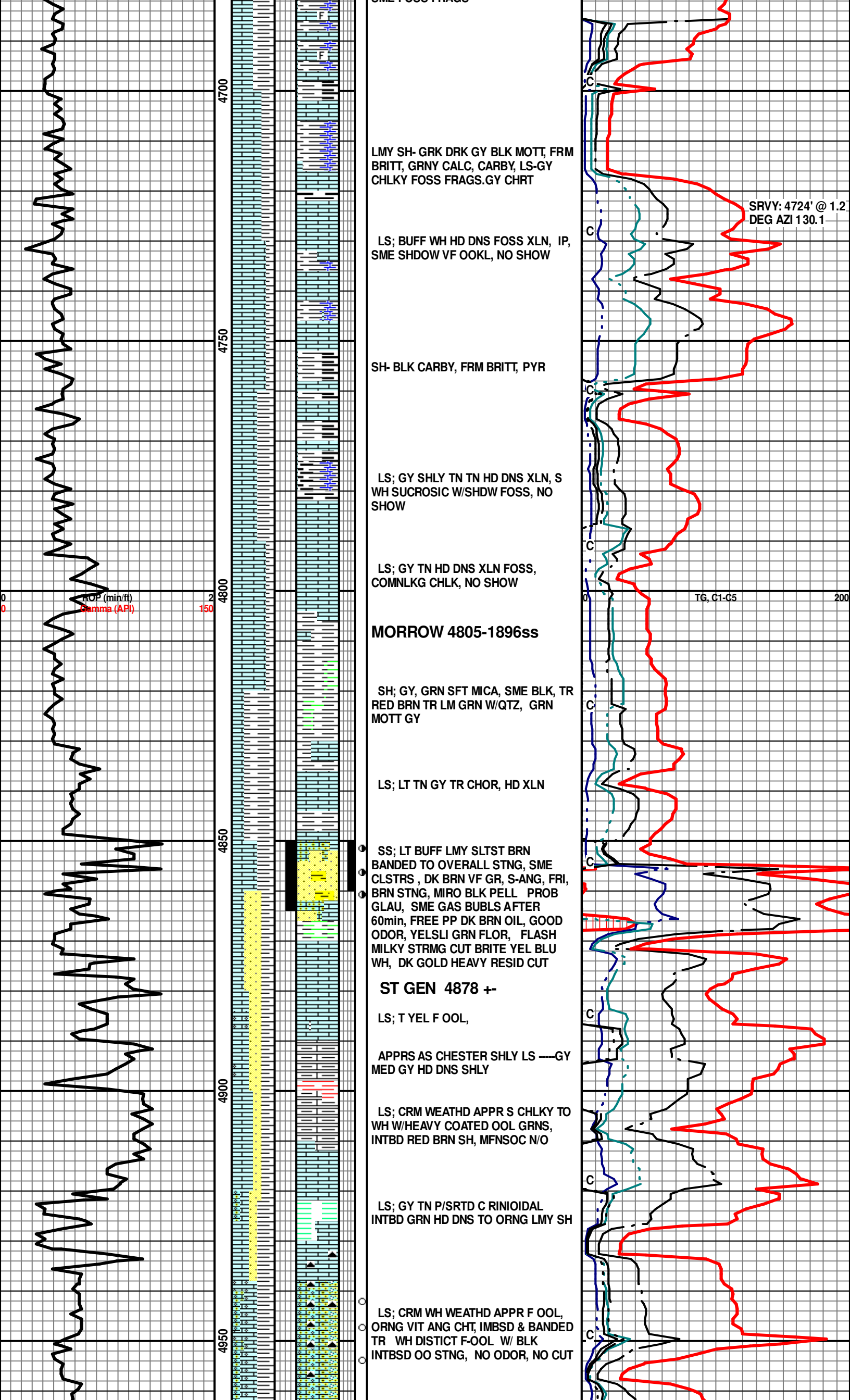
4450

4500

4550

4600

4650



LMY SH- GRK DRK GY BLK MOTT, FRM BRITT, GRNY CALC, CARBY, LS-GY CHLKY FOSS FRAGS.GY CHRT

LS; BUFF WH HD DNS FOSS XLN, IP, SME SHDW VF OOKL, NO SHOW

SH- BLK CARBY, FRM BRITT, PYR

LS; GY SHLY TN TN HD DNS XLN, S WH SUCROSIC W/SHDW FOSS, NO SHOW

LS; GY TN HD DNS XLN FOSS, COMNLKG CHLK, NO SHOW

MORROW 4805-1896ss

SH; GY, GRN SFT MICA, SME BLK, TR RED BRN TR LM GRN W/QTZ, GRN MOTT GY

LS; LT TN GY TR CHOR, HD XLN

SS; LT BUFF LMY SLTST BRN BANDED TO OVERALL STNG, SME CLSTRS, DK BRN VF GR, S-ANG, FRI, BRN STNG, MIRO BLK PELL PROB GLAU, SME GAS BUBLS AFTER 60min, FREE PP DK BRN OIL, GOOD ODOR, YELSLI GRN FLOR, FLASH MILKY STRMG CUT BRITE YEL BLU WH, DK GOLD HEAVY RESID CUT

ST GEN 4878 +-

LS; T YEL F OOL,

APPRS AS CHESTER SHLY LS ---GY MED GY HD DNS SHLY

LS; CRM WEATHD APPR S CHLKY TO WH W/HEAVY COATED OOL GRNS, INTBD RED BRN SH, MFNSOC N/O

LS; GY TN P/SRTD C RINIODAL INTBD GRN HD DNS TO ORNG LMY SH

LS; CRM WH WEATHD APPR F OOL, ORNG VIT ANG CHT, IMBSD & BANDED TR WH DISTICT F-OOL W/ BLK INTBSD OO STNG, NO ODOR, NO CUT

SRVY: 4724' @ 1.2 DEG AZI 130.1

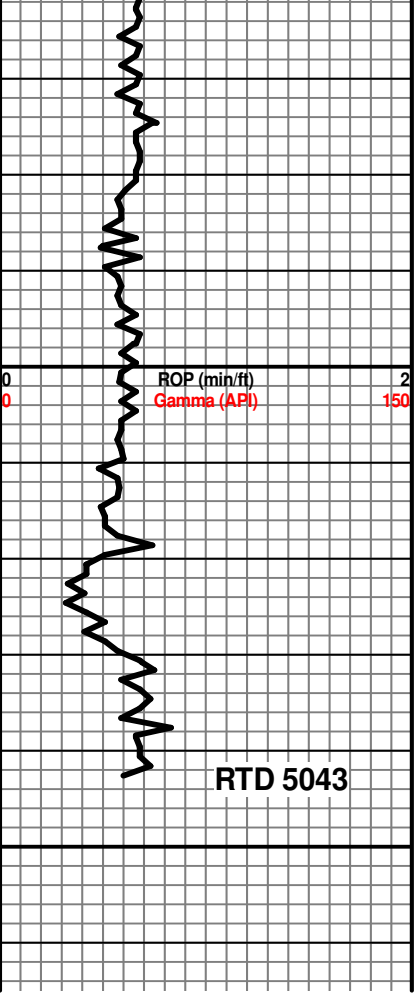
TG, C1-C5

200

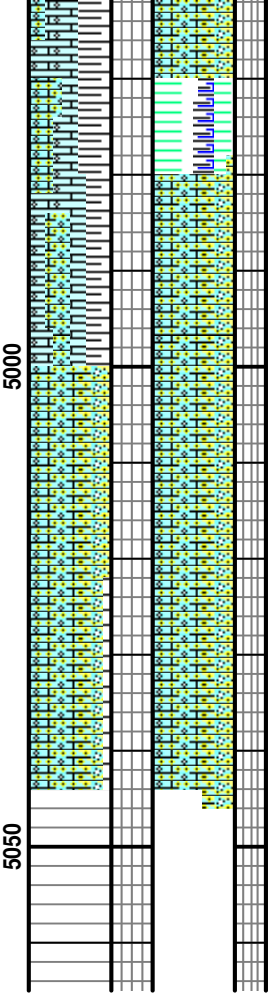
4700
4750
4800
4850
4900
4950

ROP (min/ft)
Gamma (API)

150



RTD 5043

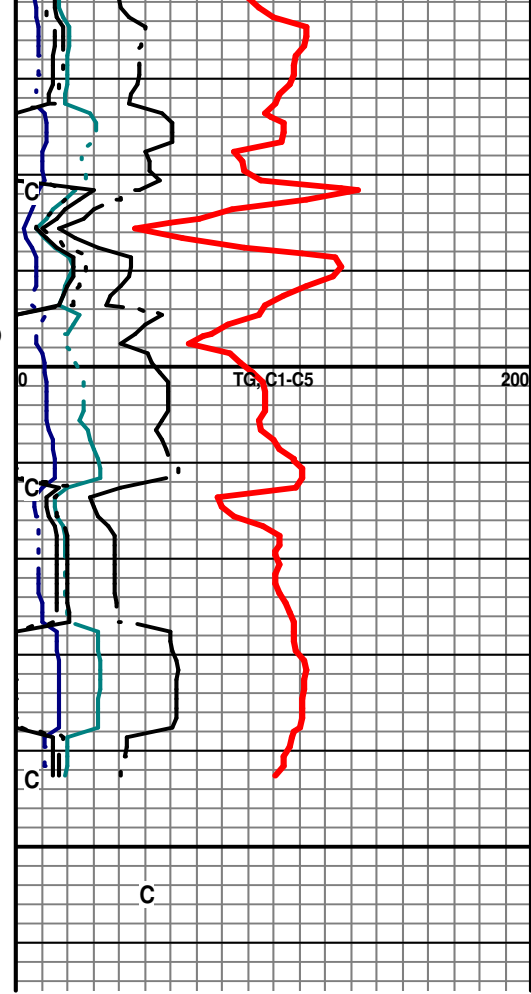


LS; WH CRMAREN ABDT MED GRN
HD DNS XLN LS

CRM WH AREN & OOL LS MFNSOC NO
ODOR

LS; CRMIISH WH VF SNDY & OOL,
CHLKY, MSE CRN WH W/VF TN
OOIIDS PELLs, MFNSOC NO ODOR

THANKS FOR USING
MBC WELL LOGGING
AUSTIN & MARLA GARNER
& TROY FOWLER



C

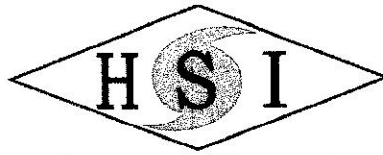


HURRICANE SERVICES INC

Customer Merit Energy		Lease & Well # McWilliams 'E' #9		Date 1/3 & 1/4/2020							
Service District Oakley, KS		County & State Finney, KS		Legals S/T/R 21-24s33w							
Job Type Conductor		<input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD		<input checked="" type="checkbox"/> YES <input type="checkbox"/> No							
Equipment # 96 Driver Jake H		Job Safety Analysis - A Discussion of Hazards & Safety Procedures <input checked="" type="checkbox"/> Hard hat <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Lockout/Tagout <input type="checkbox"/> Warning Signs & Flagging <input checked="" type="checkbox"/> H2S Monitor <input checked="" type="checkbox"/> Eye Protection <input type="checkbox"/> Required Permits <input type="checkbox"/> Fall Protection <input checked="" type="checkbox"/> Safety Footwear <input checked="" type="checkbox"/> Respiratory Protection <input type="checkbox"/> Slip/Trip/Fall Hazards <input type="checkbox"/> Specific Job Sequence/Expectations <input checked="" type="checkbox"/> FRC/Protective Clothing <input type="checkbox"/> Additional Chemical/Acid PPE <input type="checkbox"/> Overhead Hazards <input type="checkbox"/> Muster Point/Medical Locations <input checked="" type="checkbox"/> Hearing Protection <input type="checkbox"/> Fire Extinguisher <input type="checkbox"/> Additional concerns or issues noted below									
Equipment # 230 Driver Jesse											
Equipment # 181/256 Driver Kevin N											
Comments											
Product/ Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount				
c015	Cement Pump	ea	1.00								
m010	Heavy Equipment Mileage	mi	96.00								
m015	Light Equipment Mileage	mi	60.00								
tr020	Ton Mileage	tm	672.00								
cp010	Class A Cement	sack	200.00								
cp100	Calcium Chloride	lb	564.00								
cp300	Sugar	lb	100.00								
Customer Section: On the following scale how would you rate Hurricane Services Inc.?					Gross:		Net:	\$6,350.35			
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely					Total Taxable \$ -		Tax Rate:		XXXXXXXXXX		
					Sale Tax:		\$ -		Total:	\$ 6,350.35	
					State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.						
					HSI Representative: <i>Jake Heard</i>						

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**



CEMENT TREATMENT REPORT

Customer: Merit Energy	Well: McWilliams 'E' #9	Ticket: ICT 3057
City, State:	County: Finney, KS	Date: 1/3 & 1/4/2020
Field Rep: Rodney	S-T-R: 21-24s33w	Service: Conductor

Downhole Information	
Hole Size:	17.5 in
Hole Depth:	123 ft
Casing Size:	13.375 in
Casing Depth:	121.45 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Shoe:	15 ft
Displacement:	16.7 bbls

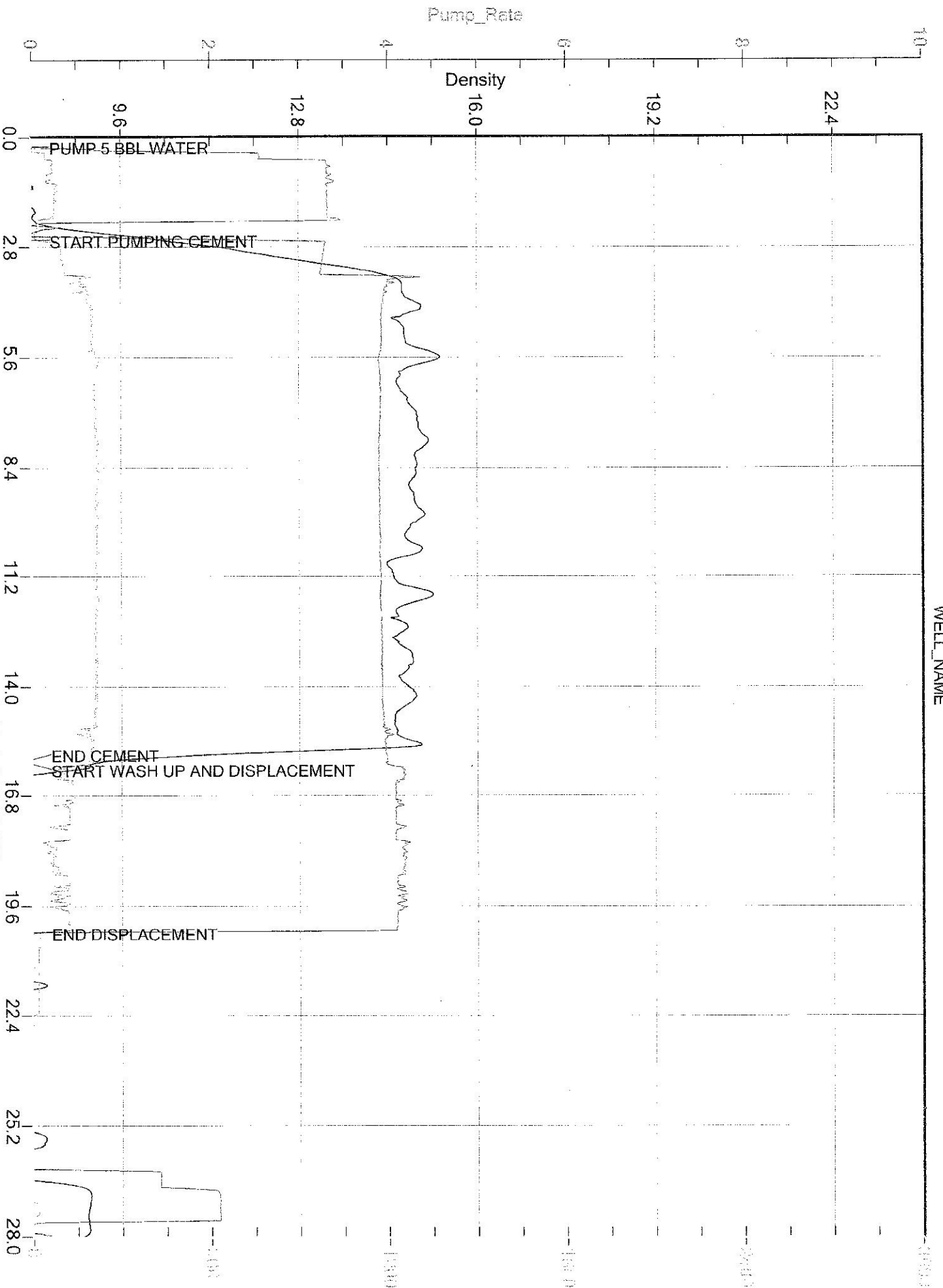
Calculated Slurry	
Weight:	14.8 # / sx
Water / Sx:	6.75 gal / sx
Yield:	1.38 ft ³ / sx
Bbls / Ft.:	0.1237
Depth:	123 ft
Annular Volume:	15.2151 bbls
Excess:	
Total Slurry:	49.2 bbls
Total Sacks:	200 sx

Product	% / #	#
Class A	100.00	18800
Poz		
Gel		
CaCl	3.00	564
Gypsum		
Metso		
Kol Seal		
Flo Seal		
Salt (bww)		
Total		19,364

TIME	RATE	PSI	BBLs	REMARKS
9:00 PM				On location safety meeting.
				Spot in and rig up
				Wait on rig
				Run casing
		250.0	15.0	Break circulation with rig
	4.0	200.0	5.0	Pump 5 BBL water
	4.0	220.0	49.2	Mix and pump 200 sacks Class A with 3% Cacl
				Stop
	4.0	200.0		Wash up and displace
	4.0	220.0		Continue displacement
			16.7	Stop
12:15 AM		50.0		Shut in well
				Release pressure and rig down. Circulated 10 BBL to surface
				Thank you

CREW		UNIT	SUMMARY		
Cementer:	Jake H	96	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jesse	230	4 bpm	190 psi	86 bbls
Bulk #1:	Kevin N	181/256			
Bulk #2:					

Merit Energy
WELL_NAME



Job Started On: 01/04/2020 @ 9:57:56 PM



HURRICANE SERVICES INC

Customer	Merit Energy	Lease & Well #	McWilliams E-9	Date	1/5/2020
Service District	Oakley KS	County & State	Finney KS	Legals S/T/R	21-24S-33W
Job Type	Surface <input checked="" type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No		
Job #	ICT 3059				

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures					
73	Jimmie Cottrell	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging		
230	Jesse Jones	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection		
194	John Polley	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations		
181	Jeff Jackson	<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations		
	Cory Davis	<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below			

Comments

Product/Service Code	Description	Unit of Measure	Quantity	Net Amount
CP010	Cement Pump	ea	1.00	\$637.50
EC010	Heavy Equipment Mileage	mi	08.00	\$289.00
EC015	Light Equipment Mileage	mi	53.00	\$144.50
EC020	Ton Mileage	tm	1,751.00	\$2,207.03
CP025	H-Con	sack	409.00	\$9,460.50
CP030	Class C Cement	sack	108.00	\$2,805.00
CP120	Fio-Seal	lb	300.00	\$309.40
CP100	Calcium Chloride	lb	310.00	\$197.63
FE250	8 5/8" Centralizer	ea	1.00	\$459.00
FE260	8 5/8" Guide Shoe	ea	1.00	\$510.00
FE270	Float Collar AFU	ea	1.00	\$765.00
FE280	8 5/8" Rubber Plug	ea	1.00	\$148.75

McWilliams E-9
64925
30010
Gardner, KS
1-5-20

Customer Section: On the following scale how would you rate Hurricane Services Inc.?			Net:	\$17,933.30
Based on this job, how likely is it you would recommend HSI to a colleague? <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 9 <input type="checkbox"/> 10 <small>Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely</small>			Total Taxable	\$ -
			Tax Rate:	
			Sale Tax:	\$ -
			Total:	\$ 17,933.30

HSI Representative: *Jimmie Cottrell*

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

x *Redmy [Signature]*
CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer: Merit Energy	Well: McWilliams E-9	Ticket: ICT 3059
City, State:	County: Finney KS	Date: 1/5/2020
Field Rep: Rodney	S-T-R: 21-24S-33W	Service: Surface

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	1804 ft
Casing Size:	8 5/8 in
Casing Depth:	1794 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	111.6 bbls

Calculated Slurry	
Weight:	12 # / sx
Water / Sx:	gal / sx
Yield:	2.56 ft ³ / sx
Bbls / Ft.:	
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	241.6 bbls
Total Sacks:	530 sx

Product	% / #	#
Class A		
Poz		
Gel		
CaCl		
Gypsum		
Metso		
Kol Seal		
Flo Seal		
Salt (bww)		
Total		-

TIME	RATE	PSI	BBLs	REMARKS
1100P				ON LOCATION
1110P				GET THE FOLLOWING FROM CO MAN 1804 FT TD, 1794 FT 8 5/8 24# PIPE (VERIFIED ON RACK) 42.67 FTSHOE JOINT, 16 FT LANDING JOINT 13 3/8 CONDUCTOR SET @ 100 FT, CENTALIZERS ON JOINTS 1, 4, 7, 35, 38, 41
1130P				SAFETY MEETING
145A				CASING ON BOTTOM
150A				CIRCULATE
235A	6.0	240.0	10.0	H2O AHEAD
238A	6.5	350.0	241.6	LEAD CEMENT 530 SKS H-CON
313A	4.0	130.0	39.4	TAIL CEMENT 165 SKS CLASS C 2% C.C. .5# FLOSEAL
325A				DROP PLUG
327A	3.5	110.0	25.0	DISPLACE H2O
333A	5.0	300.0	25.0	DISPLACE H2O
338A	5.0	470.0	25.0	DISPLACE H2O
343A	5.0	550.0	25.0	DISPLACE H2O CEMENT TO SURFACE 67 BBLs
348A	3.0	610.0	11.5	DISPLACE H2O
352A		1,400.0		LAND PLUG
355A				CHECK FLOAT IT HELD
400A				RIG DOWN
430A				LEFT LOCATION

CREW		UNIT	SUMMARY		
Cementer:	Jimmie Cottrell	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Jesse Jones	230	4.75 bpm	462 psi	403 bbls
Bulk #1:	John Polley	194			
Bulk #2:	Jeff Jackson	181			



CEMENT TREATMENT REPORT

Customer: Merit Energy	Well: McWilliams E-9	Ticket:
City, State:	County: Finney KS	Date: 1/7/2020
Field Rep:	S-T-R: 21-24S-33W	Service: Longstring

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	5019 ft
Casing Size:	5 1/2 in
Casing Depth:	5018 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	115.3 bbls

Calculated Slurry	
Weight:	13.6 # / sx
Water / Sx:	gal / sx
Yield:	1.57 ft ³ / sx
Bbls / Ft.:	
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	69.9 bbls
Total Sacks:	250 sx

Product	% / #	#
Class A		
Poz		
Gel		
CaCl		
Gypsum		
Metso		
Kol Seal		
Flo Seal		
Salt (bww)		
Total		-

TIME	RATE	PSI	BBLs	REMARKS
300P				ON LOCATION
315P				GET THE FOLLOWING FROM CO MAN 5019 FT TD 5018 FT OF 5 1/2 17# CASING (VERIFIED ON RACK) 47.28 FT SHOE JOIN
				CENTRALIZERS ON JOINTS 1, 2, 5, 8, 11, 14, 17, 20, 24, 27, 30, 33, 36, 39 PREVIOUS CASING 8 5/8 SET @ 1774 FT
630P				CASING ON BOTTOM
635P				CIRCULATE
640P				SAFETY MEETING
645P				RIG UP
725P	3.2	180.0	5.0	H2O AHEAD
728P	3.2	140.0	12.0	MUD FLUSH
731P	3.0	90.0	5.0	H2O SPACER
735P	3.0	100.0	12.6	CEMENT 50 SKS H-PLUG TO PLUG MOUSE HOLE & RATHOLE
740P	4.5	130.0	57.3	CEMENT 205 SKS CLASS C
800P				SHUT DOWN
801P				WASH PUMP & LINES
804P				DROP PLUG
805P	6.5	180.0	25.0	DISPLACE H2O
809P	6.5	180.0	25.0	DISPLACE H2O
813P	6.5	180.0	25.0	DISPLACE H2O
817P	4.0	340.0	25.0	DISPLACE H2O
822P	3.0	890.0	10.0	DISPLACE H2O
825P	2.5	960.0	6.0	DISPLACE H2O
827P		1,400.0		PLUG LANDED
830P				CHECK FLOAT IT HELD
833P				RIG DOWN
900P				LEFT LOCATION

CREW		UNIT	SUMMARY		
Cementer:	Jimmie Cottrell	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Josh Mosier	231	4.17273 bpm	398 psi	208 bbls
Bulk #1:	John Polley	194			
Bulk #2:					