KOLAR Document ID: 1512694

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 #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip: +	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Described	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if flauled offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date Recompletion Date	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 Approved by: Date:

KOLAR Document ID: 1512694

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery, Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€ Y€	es No						
			Repo		RECORD [Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	nd Percent Additives	
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	# Sacks Use	,u		туре а	ia reicent Additives	
Plug Off Z										
Did you perform Does the volum Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
Vented	Sold Use	d on Lease		Open Hole		Dually		nmingled	Тор	Bottom
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 403
Doc ID	1512694

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 403
Doc ID	1512694

Tops

Name	Тор	Datum
HEEBNER	4027	
LANSING	4077	
MARMATON	4703	
CHEROKEE	4866	
ATOKA	5043	
MORROW	5190	
TOP WENU ZONE	5357	
CHESTER LIME	5395	
ST GENEVIEVE	5455	

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WENU 403
Doc ID	1512694

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	24	1774	A/C	665	SEE ATTACH ED
Production	7.875	5.5	17	5604	50/50 H/POZ	270	50 SX RH/SEE ATTACH ED

MBC WELL

LOGGING LLC

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

Well Name: WENU 403 AFE: 64676 MERIT ENERGY CO LLC

Well Id: API 15-081-22211-00-00

Location: HASKELL COUNTY, KANSAS USA

License Number: 32446 Region: EUBANK NORTH

Surface Coordinates: SHL 873'fel- 2023'fnl-SEC 04-T28S-R34W

LAT: 37.6402670 LONG: -101.0380480

Bottom Hole HLS-DIL/SP/GR CNL/CAL/PE/BHV SONIC SFC- GR TO SFC'

Coordinates:

Ground Elevation (ft): 3077' K.B. Elevation (ft): 3089' Logged Interval (ft): 4000' To: 5604' Total Depth (ft): ELOG:

Formation: MORROW

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

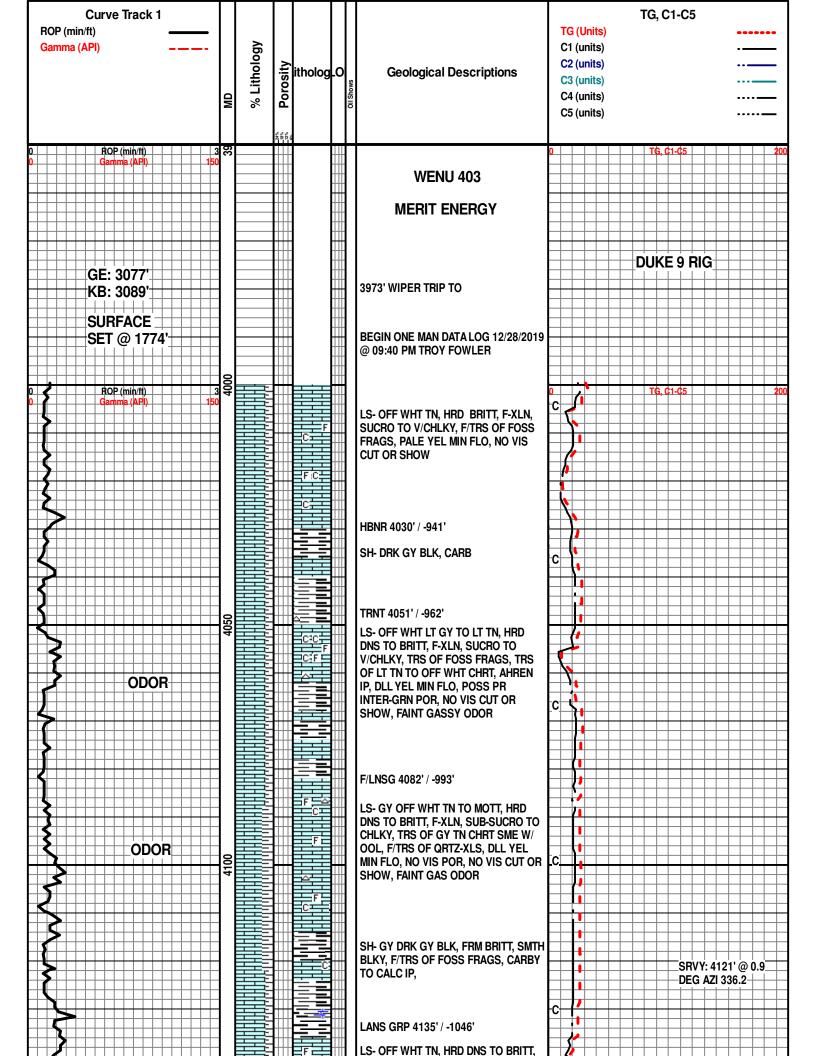
Name: TROY FOWLER

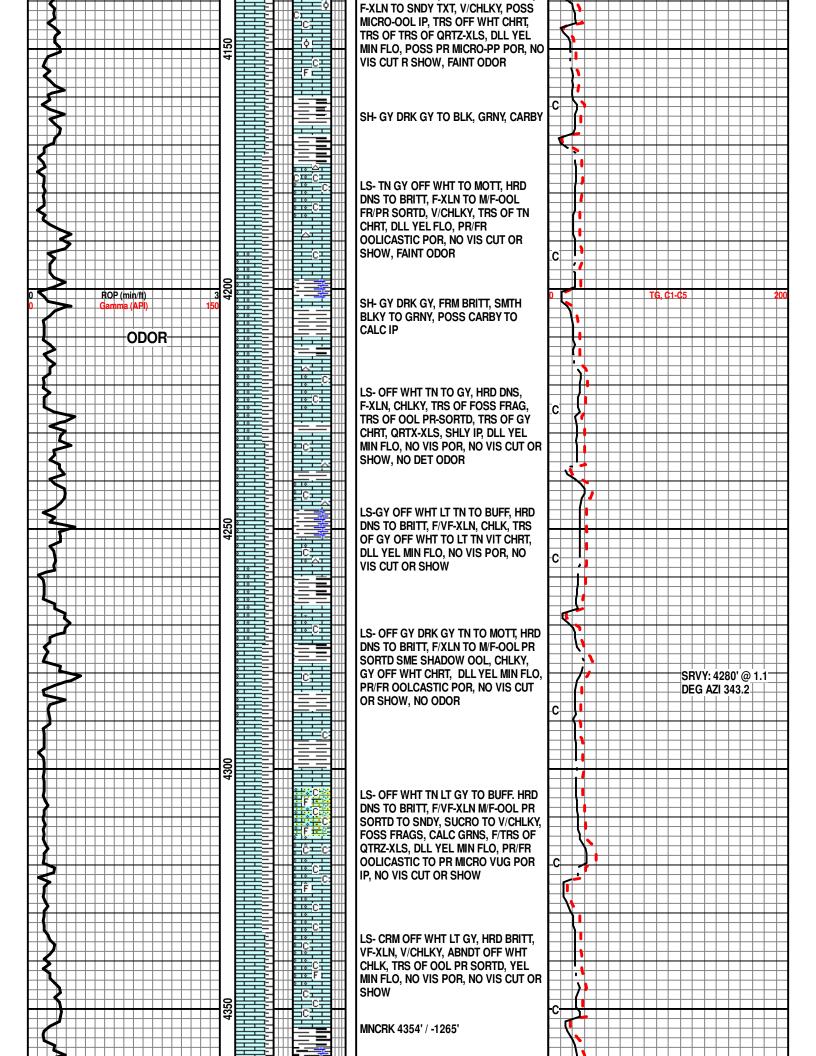
Company: MBC WELL LOGGING LLC

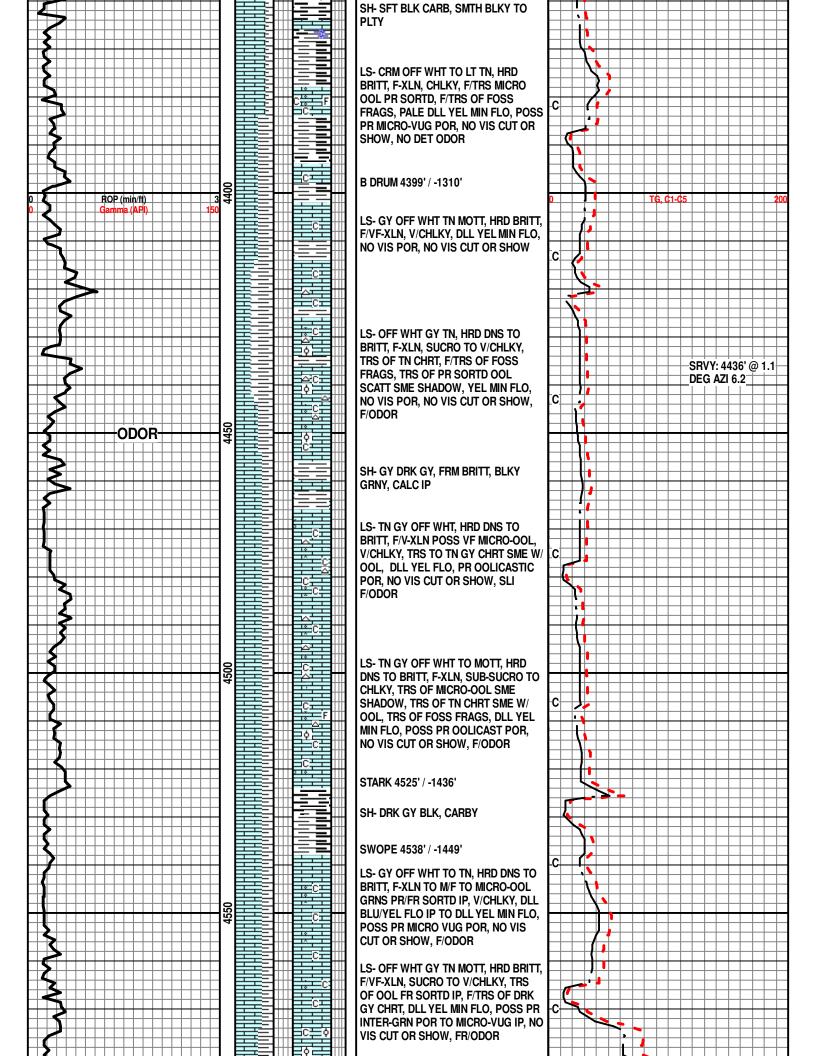
Address: 21156 RD 22

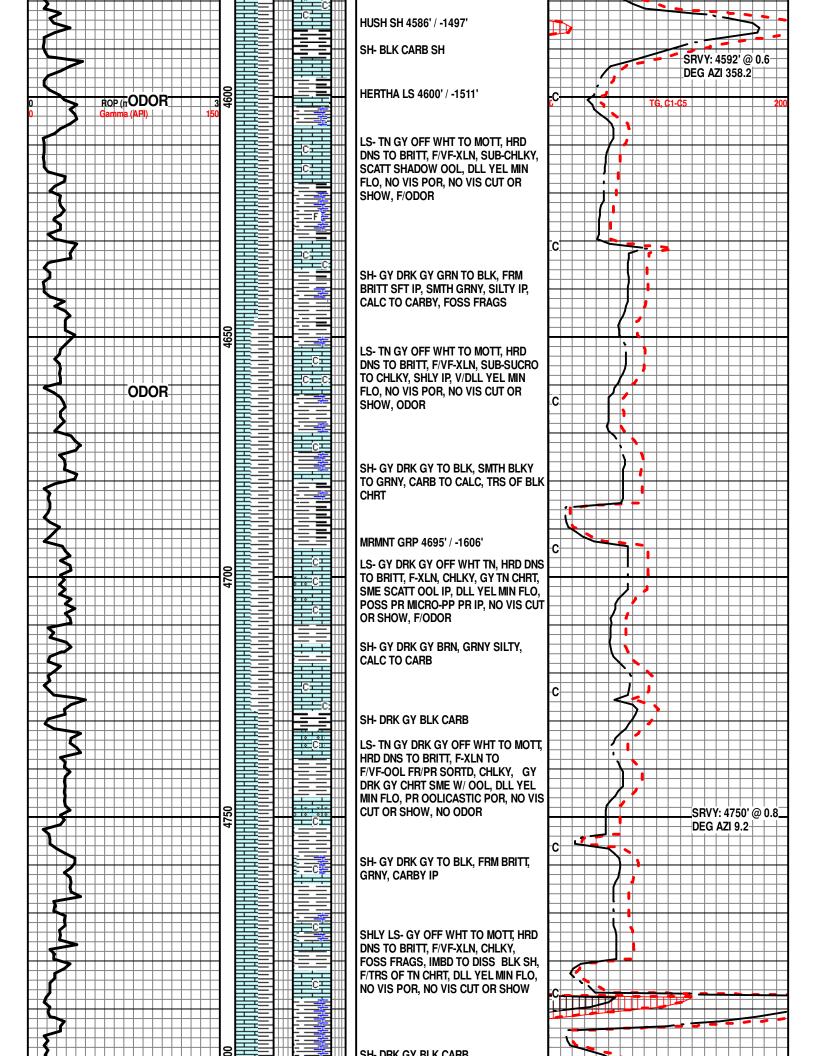
MEADE, KANSAS 67864

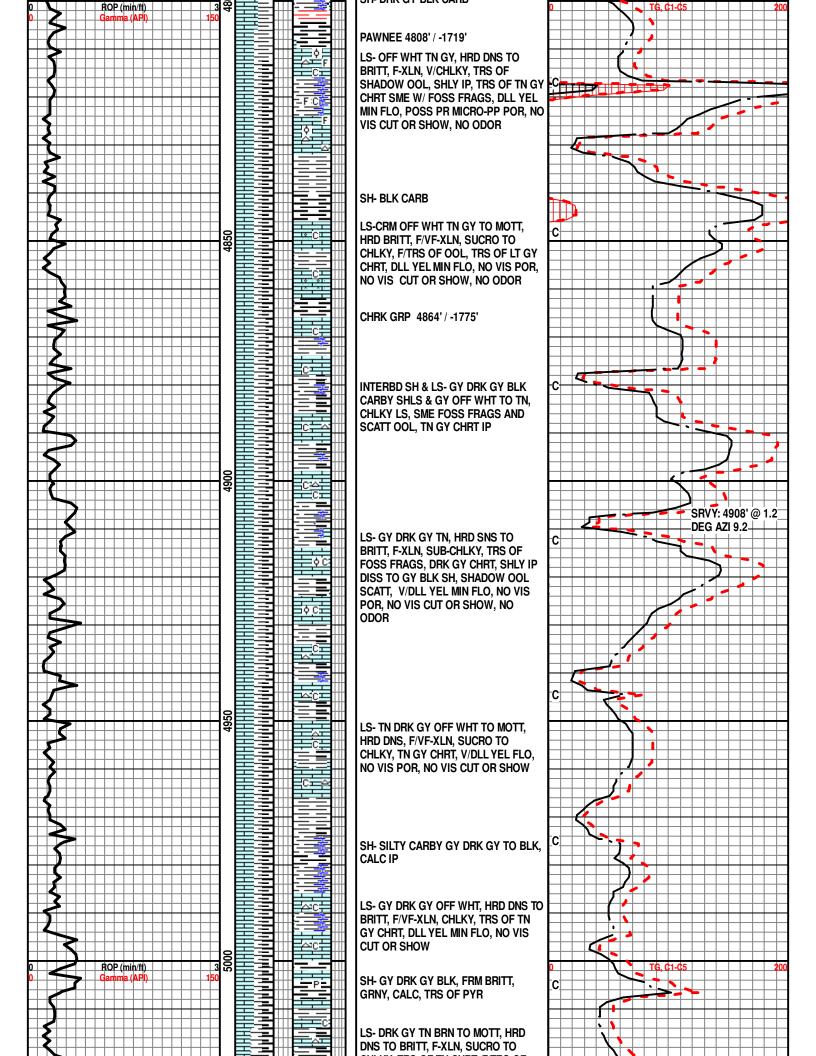
ROCK TYPES Ls & ooids Sndy sh Stgensndy-arkos Anhy Sndy ool Is **Brec** Oolitic Is -1 Sltst-1 Cht Stgensndy-arkos Slty-shale Sndy-Is-1 Coal New Is-1 Lmy ss-1 Calc shale Arkosic snd Congl Carby shale Granitewash Ss Shly dolomite Lmy carby sh-3 Ls shly-b Chty sndy shly dent Poor sortd ss Carb sh Grn sh strk New symbol Gyp Grn mott gy sh Snd-Is-sh Dolo new Sltst Lmy sh-2 New dolomite 20 Salt Shale-1 Newdolo Is 2 Red sh-1 Sndy sh--red

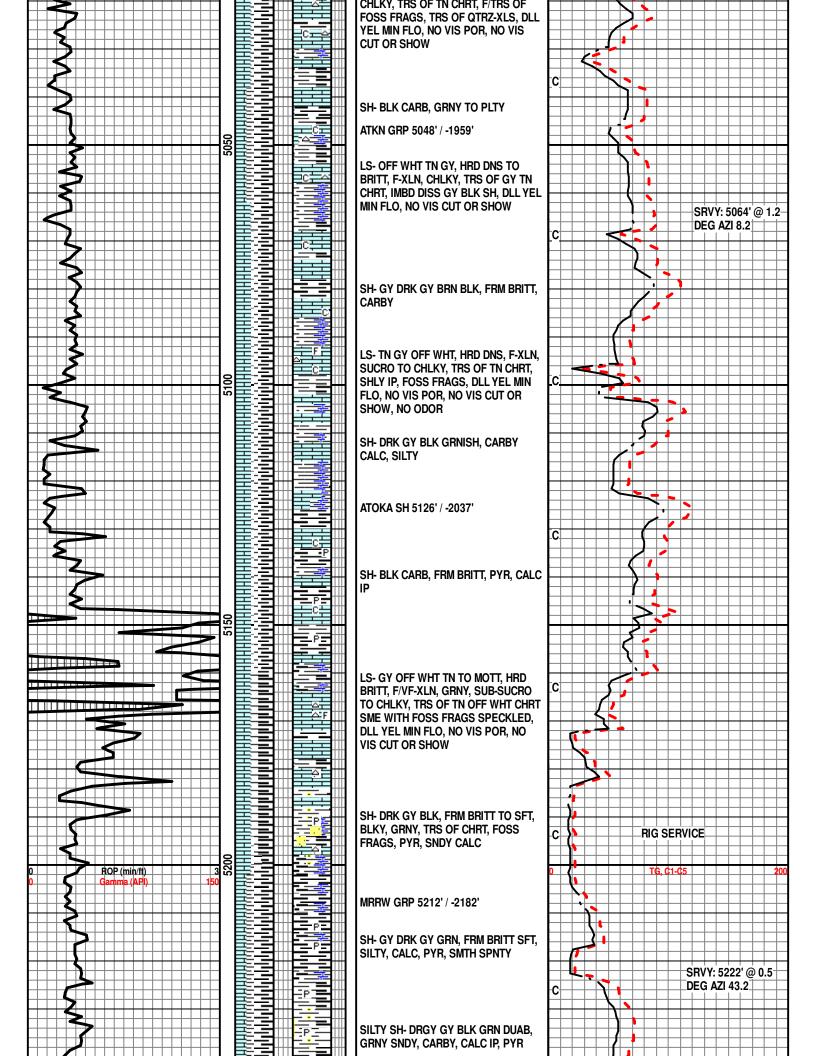


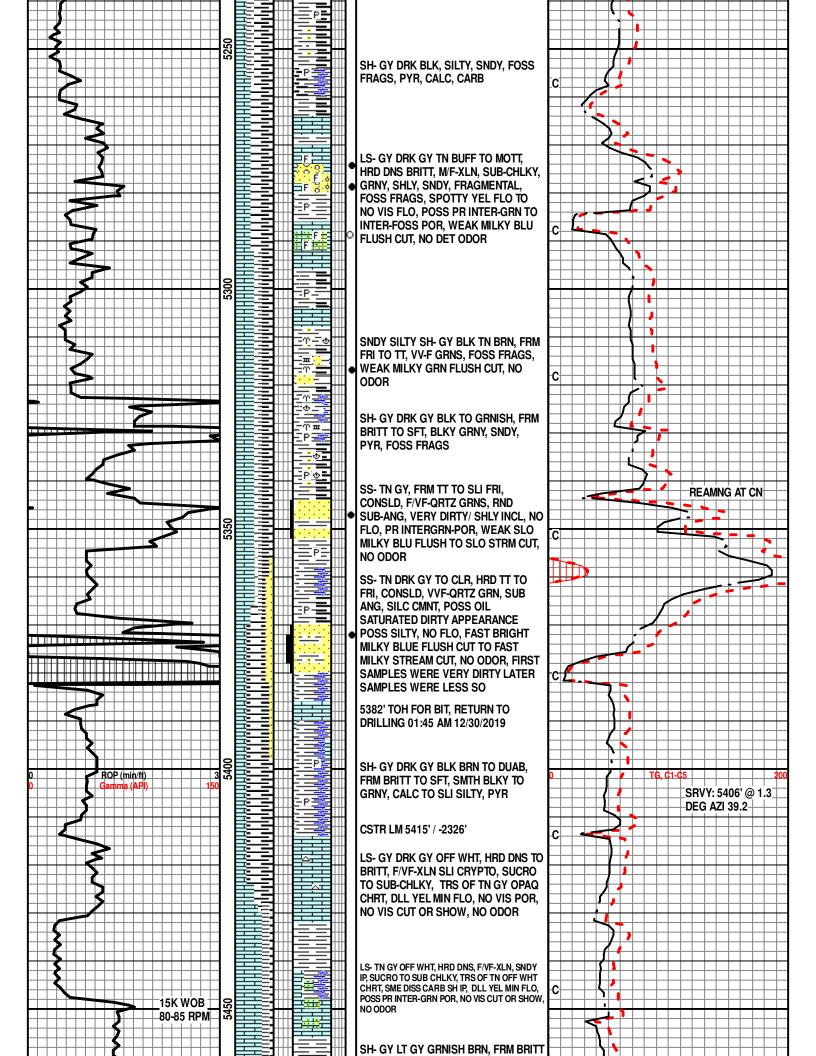


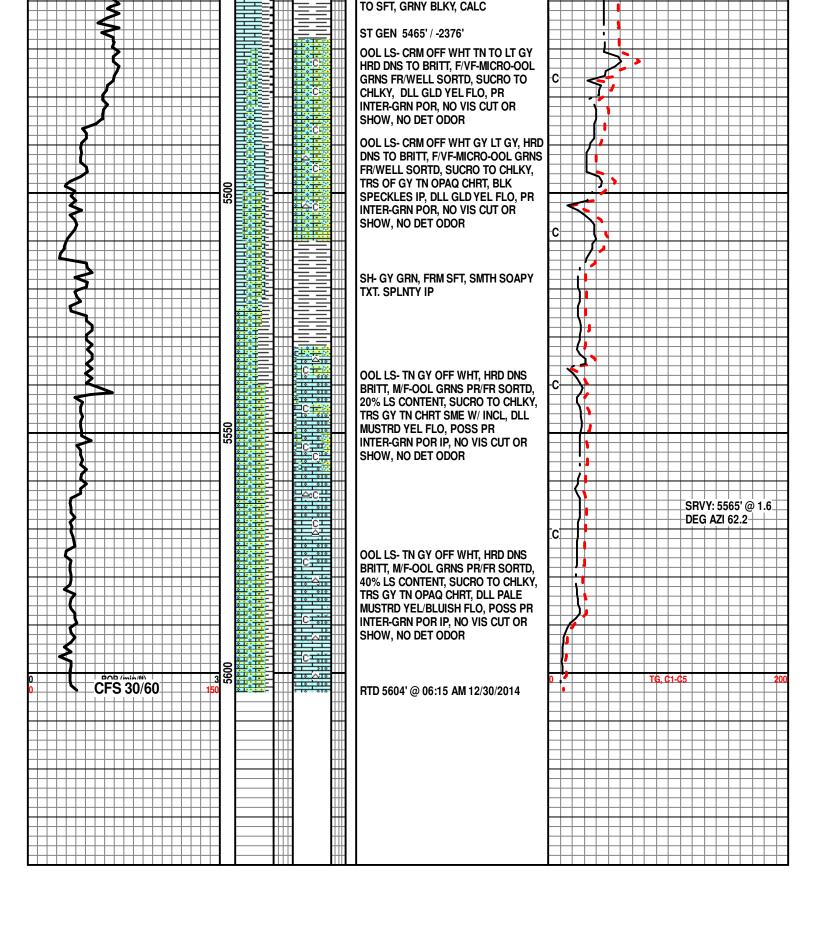














HURRICANE SERVICES INC

Customer	Merit Energy		Lease & Well #	WENU #403				Date	12	/27/2019
Service District	Oakiey, KS	10 300,000 10	County & State	Haskell, KS	Legals S/T/R	Sec 4 - T28	S - R34W	Job#	ac a reservo acro	
Job Type	Surface Casing	□ PROD	□ IN)	□ SWD	New Well?	₽ YES	□ No	Ticket #	K	CT3026
Equipment #	Driver		*******	Job Safety A	nalysis - A Discus	sion of Hazards	& Safety Pro	cedures		
74	Scott Green	☑ Hard hat		□ Gloves		□ Lockout/Tago	ut	□ Warning Signs	& Flagging	
230	Josh Mosier	H2S Monitor		Eye Protection		□ Required Perr	nits	□ Fall Protection		
194 / 254	John Polley	Safety Footwear		Respiratory Prot	ection	☐ Slip/Trip/Fall (Hazards	☐ Specific Job Se	quence/Exped	tations
181 / 256	Kale Ochs	FRC/Protective C	Clothing	Additional Chen	nical/Acid PPE	□ Overhead Haz	zards	□ Muster Point/N	Aedical Locati	ons
		Hearing Protecti	on	☑ Fire Extinguishe		□ Additional co	ncerns or issu	es noted below		
.,					Con	nments				
		Dire	ections: Garden C	ity, KS - 18 miles	south on HWY83,	9 miles west or	CR 50, 2.6 r	niles south on Cl	R DD, west in	nto.
Product/ Service Code		Descri	intion		Unit of Measure	Quantity	List	Gross Amount	Item Discount	Not Omnumb
C015	Cement Pump	Doddii	buoti		ea	1.00	T HOUSE OF STREET	Gross Wilsouri	DISCOUNT	Net Amount \$1,275.00
						/				V 1,2.1.100
M015	Light Equipment Mile	eage			mi	115.00				\$195.50
M610	Heavy Equipment M	lileage			mi	315.00				\$391.00
1023	Ton Mileage				tm	3,820.00				\$4,870.50
				2000						
CP325	H-Con		**************************************	501 STOCKET	sack	500.00				\$8,925.00
CP120	Flo-Seal				lb	126,00				\$185.94
OP086	Class C Cement		20000-10		sack	186.30				\$2,805.00
CP100	Calcium Chloride	A10.	2012 30000		lb	310.00				\$197.63
DP120	Flo-Seal				lb	03.00		<u> </u>		\$123.46
	0.5405.0	170,00								
7E258	8 5/8" Centralizer			10V25	ea	6.00				\$459.00
	8 5/8" Guide Shoe 8 5/8" Float Collar -	A.C.1		3 57	ea	1.00			 	\$510.00
	8 5/8" Rubber Plug	AFU	\ \ \ \	405	ea	1.00				\$765.00
- 2250	B Gro Trabber 1 lag	8 17	THUN		ea	1.00				\$148,75
		1110		10						
		1	- We -1	1015						1000
		7	V 2300	n v	100.00	20 00000				
	1, 1-00		5	1.12		10000	9	78 V		
	e g ²¹		EWS-	18						3:
			<i>A</i>	21						
	يُقَرِّخ روه سير المارية المارية		10	greet in	2 2		3			
	0.0	5.70. 0.9	3 · · · · · · · · · · · · · · · · · · ·							
Custo	mer Section: On the	e rollowing scale ho	w would you rate I	Hurricane Services	Inc.?		Gross:		Net;	\$20,851.78
Bas	sed on this job, how	v likely is it you w	ould recommend	HSI to a colleagu	e?	Total Taxable	\$ -	Tax Rate:		\sim
	☐		6 7 8		Exzemely Likely	State tax laws dee used on new wells Services relies on information above services and/or pro-	to be sales tax the customer p to make a dete	exempt, Hurricane rovided well imination if	Sale Tax:	\$ 20,851.78
	600	LOTO	D(-	60 to 200	_	HSI Represe	ntative:	Scott Green		

TERMS: Cash in advance unless Hurricane Services ins-(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 ½% per month or the maximum allowable by applicable stale or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Gustomer hereby agrees to pay all fees directly 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.

CUSTOMER AUTHORIZATION SIGNATURE



EMENT TREATMENT REPORT				
Customer: Merit Energy	Well:	WENU #403	Ticket:	ICT3026
City, State: Dallas, TX	County:	Haskell, KS	Dates	12/27/2019
Field Rep: Rodney Gonzales	S-T-R:	Sec 4 - T28S - R34W	Service:	Surface Casing

Downhole in	tormatic	n
Hole Size:	12.25	in
Hole Depth:	1784	ft
Casing Size:	8,625	in
Casing Depth:	1774	ft
Drill Pipe		in
Depth:		ft
Tool / Packer:	To make to	
Depth:		ft
Displacement:	110.0	bbls

Pump Operator:

Buik #1: Buik #2: Josh Mosier

John Polley

Kale Ochs

230

194 / 254

181 / 256

Calculated Le	ad Slurry	
Weight:	12.1 #	#/sx
Water / Sx:	15.02	gal / sx
Yield:	2.50 f	t³/sx
Bbls / Ft.:	0.0735	
Depth:	1	t
Annular Volume:	1	bls
Excess:	130%	
Total Slurry:	222.6	obls
Total Sacks:	500 s	sx.

Product	% / #	#
Class A	100.00	47000
Poz		
Gel		
CaCI	3.00	1410
Gypsum	2.00	940
Metso	2.00	940
PhenoSeal		
Flo Seal	0.50	250
Salt (bww)		
	Total	50,540

Calculated Ta	il Slurry	
Weight:	14.8	#/sx
Water / Sx:	6.68	gal/sx
Yield:	1.37	ft ³ /sx
Bbis / Ft.:	0.0735	
Depths		ft
Annular Volume:		bbls
Excess:	0%	
Total Siurry;	40.5	bbls
Total Sacks:	165	sx

Alexa	Total	50,540
Product	%/#	#
Class C	100.00	15510
Poz		
Gel		
CaCl	2.00	310
Gypsum		
Metso		
PhenoSeal		
Flo Seal	0.50	83
Salt (bww)		
*	Total	15,903

TIME	RATE	PSI	BBLs	REMARKS
5:30				Call out
7;30				Depart yard
9:50				Arrive on locn. Rig @ TD circulating & conditioning
9:55				JSA, discuss moving on, spotting & rig-up of equipment
10:00				Move on, spot & rig-up equipment
10:30				Rig-up complete. Rig TOH w/ DP
12:00			1000	Rig-up casing crew
12:15				RIH w/ 8.625" 24ppf J-55 casing
14:20				Casing @ setting depth.
14:30	8.5	150.0		Circulate & condition
14:56	2.5	110.0	5.0	Pump H2O
15:00		3,000.0		Pressure test
15:02	5,5	190.0	10.0	Pump H2O
15:05	5.5	250.0		Mix & pu <mark>mp 500sx lead sturry @ 12.1p</mark> pg. Y - 2.5cuft/sk; MR - 15.02g/sk
15:22	6.3	280.0	100.0	Rate & pressure
15:39	6.1	250.0	200.0	Rate & pressure
15:41			223.0	End Lead
15:43	3.5	140.0		Mix & pump 165sx tail slurry @ 14.8ppg, Y - 1,37cuft/sk; MR - 6,68g/sk
15:55			40.5	Stop 9 4/
15:56				Stop Release top plug Displace w/ H2O
15:58	7.0	200.0		Displace w/ H2O
16:16	2.0	470.0	100.0	Slow rate / - 5
16:20		1,060.0	110.0	Bump plug. Final circulting pressure 490psi @ 2bpm
16:23				B/O, check float. 1/2bbl back
16:25				JSA, discuss rigging down & racking up equipment
16:30				Rig down & rack up
16:55				JSA, discuss journey management
17:00				Depart location
				Thanks for calling Hurricane Services Inc
		CREW		UNIT
Cem	enter:	Sco	tt Green	74 Average Rate Average Pressure Total Fluid

S PARK Coret.

555 psi

789 bbls

5.21111 bpm



HURRICANE SERVICES INC

Customer	Merit Energy		Lease & Well #	WENU #403				Date	12/	31/2019	9
Service District	Oakley		County & State	Haskell, KS	Legals S/T/R	Sec 4 - T28	S - R34W	Job#			
Job Type	2 Stage Longstrin	g ^e PROD	□ IN)	□ SWD	New Well?	a YES	□ No	Ticket#	IC	T3045	
Equipment #	Driver			Job Safety Ar	alysis - A Discuss	ion of Hazards	& Safety Pro	cedures	•		
74	Scott Green	 Hard hat 		□ Gloves		□ Lockout/Tago	ut	 Warning Signs 	& Flagging		
230	Jeff	□ H2S Monitor		□ Eye Protection		□ Required Perr	nits	□ Fall Protection			
181 / 256	Kale Ochs	Safety Footwear		Respiratory Prot	ection	Slip/Trip/Fall	Hazards	Specific Job Sec	quence/Expec	tations	
67	Josh Mosier	□ FRC/Protective (lothing	□ Additional Chem	nical/Acid PPE	□ Overhead Ha:	zards	Muster Point/N	ledical Location	ons	
		□ Hearing Protecti	on	□ Fire Extinguisher		□ Additional co	ncerns or issu	es noted below			
3.						nments					
		2 Stage Longstri	ng - Float Collar	at +/- 5565'; DV too	ol at +/- 4780'; Cen	ent design per	LL.; Rig to s	supply mixing wa	ter		
				ead; 130 sx of Merit			stages				
		2nd Stage: 500	gai mud flush ai	nead; 140 sx of Mer	it blend; 25 sx ea.	RH & MH					
Product/ Service Code		Danas	intian		Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Not	Amount -
C028	Cement Pump - Mu	Descr #i Stone	hriosi		ea	1.90	FILCE/DITE	Gloss Allicont	Discount		2,125.00
C020	Cement Fullip - Mit	an Grage			- Ga						74, 140,00
M310	Heavy Equipment I	Mileana		1 130 17	mi	115.50			KK		\$391.00
M018	Light Equipment M		** *	3 3 3	mi	116.00				,	\$195.50
14020	Ton Mileage	110000			tm	1,861,36					\$2,411.03
	. s										
CPG35	Type H Cement				sack	480.00					\$2,584.00
CP011	Fly Ash		4 000 COLUMN - 142 C - 142 C C C C C C C C C C C C C C C C C C C		sack	(88,00				9	1,224.00
GP388	Bentonite Gel				lb	933,48					\$137.19
CP103	Gypsum			10.	!b	1.813.00				3	\$1,028.29
GP110	Kol Seal				Ib	1,609.00				1	1,020.00
GP120	Flo-Seal			40 - 1400 SW (011 1120 - 11 - 12 - 12 - 12	dl	30.00		400			\$119.00
GF 131	Cement Fluid Loss		or - 10 or		lb	135,03		0 (NOO) 770(AAA) 21 22 22		of the contract of the contrac	\$946.69
C2138	Defoamer				lb	87,00					\$455.60
CP140	Salt				sack	85.60					\$340.00
CP170	Mud Flush				gal	1,300.00					\$850.00
					<u> </u>						
FB125	5 1/2" Centralizer		- 41 /	HAS	ea	15.00					\$816.00
				100							
		- MAR									
		V	1 166	10						- 1380	
			2 7 0	100	3, 500 (5)			<u> </u>			
	,	- 1	2740	TI ALC							
	2.2	parts for	3× /1	PHO!							
		bo fallowing scale b) V	V. Surrigano Const	30,000 ino 2		L			(5)	40 845 51
Gust	omer Section: On t	ne rollowing scale h	T I	e Hurricane Services	11 IC. (Total Tauchi	Gross:	Tax Rate:	Net:	\$1	12,518.29
Ва	sed on this job, ho	yv likely is it you ₽	rould recommen	id HSI to a/colleagu	re?	Total Taxable State tax laws de	1	lucts and services	Sale Tax:	\$	
100				1		used on new well	s to be sales ta	x exempt. Hurricane			
			_, _, _			Services relies or information above	e to make a det	ermination if			
U	nlikely 1 2	3 4 5	6 7	8 9 10	Extremely Likely	services and/or p	roducts are tax	exempt.	Total:	\$ 1	12,518.29
				Ĭ		HSI Renres	entative:				

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 15% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or altorney 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 royatties 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. <u>DISCLAIMER NOTICE</u>: 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 maters no guerantee 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 guerantees 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

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT				
Customer: Merit Energy	Well:	WENU #403	Ticket:	ICT3045
City, State: Dallas, TX	County:	Haskell, KS	Date:	12/31/2019
Field Rep: Rodney Gonzales	S-T-R:	Sec 4 - T28S - R34W	Service:	2 Stage Longstring

Downhole In	formation
Hole Size:	7.875 in
Hole Depth:	5604 ft
Casing Size:	5.5 in
Casing Depth:	5604 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	DV Tool
Depth:	4780 ft
Displacement:	129.1 bbls

Calculated	Slurry
Weight:	13.6 #/sx
Water / Sx:	7.40 gal / sx
Yield:	1.60 ft ³ / sx
Bbls / Ft.:	0.0309
Depth:	5604 ft
Annular Volume:	bbls
Excess:	25%
Total Slurry:	37.0 bbls
Total Sacks:	130 sx

Product	% / #	#
Class H	50.00	6110
Poz	50.00	4810
Gel	2.00	218
C-17	0.50	55
Gypsum	6.00	655
Defoamer	0.25	27
Kol Seal	5.00	650
PhenoSeal	0.25	33
Salt (bww)	10.00	802
	Total	13.360

TIME	RATE	PSI	BBLs	REMARKS
4:00	2001			Call out
7:00				Start to RIH w/ 5.5" 17ppf J-55 casing
6:00				Depart
8:00	2000			Josh M. on locn
8:35	, i			Make-up DV tool to casing
11:10				Casing @ setting depth
11:30	8.5	350.0		Rig circulate & condition hole
11:40				Crew on locn
11:45				JSA, discuss moving on, sptting & rigging up equipment
11:50				Move on, spot & rig-up equipment
		- 12		STAGE 1
12:55	3.0	220.0	5.0	Pump freshwater spacer
12:57		4,000.0		Pressure test
12:59	3.0	230.0	12.0	Pump mudflush spacer
13:03	3.0	220.0	5.0	Pump freshwater spacer
13:06	6.5	450.0	37.0	Mix & pump 130sx cement slurry @ 13.6ppg. Y - 1.6, MR - 7.4g/sk
13:14				Shutdown
13:16				Wash-up pumps & lines / Release 1st stage L/D dart
13:20	5.0	100.0	20.0	Start to displace w/ freshwater
13:24	7.0	250.0		Continue to displace w/ 9.2ppg WBM
13:37	2.0	80.0	105.0	Slow rate, to pass thru DV tool
13:41	3.0	310.0	115.0	Increase rate
13:44		1,150.0	129.0	Bump plug. Final circulating pressure - 550psi
13:50				Bleed off, floats & floats holding, 2bbl back.
13:53				Drop opening tool (Bomb). Wait 35mins
				E PALISMAN CONTO

	CREW	UNIT		SUMMARY			
Cementer:	Scott Green	74	Average Rate	Average Pressure	Total Fluid		
Pump Operator:	Jeff	230	4.55556 bpm	669 psi	428 bbls		
Bulk #1:	Kale Ochs	181 / 256					
Bulk #2:	Josh Mosier	67					



CEMENT TREATMENT REPORT				
Customer: Merit Energy	Well:	WENU #403	Ticket:	ICT3045
City, State: Dallas, TX	County:	Haskell, KS	Date:	12/31/2019
Field Rep: Rodney Gonzales	S-T-R:	Sec 4 - T28S - R34W	Service:	2 Stage Longstring

Downhole in	formation
Hole Size:	7.875 in
Hole Depth:	5604 ft
Casing Size:	5.5 in
Casing Depth:	5604 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	DV Tool
Depth:	4780 ft
Displacement:	110.9 bbls

Calculated	Slurry	
Weight:	13.6	#/sx
Water / Sx:	7.40	gal / sx
Yield:	1.60	ft ³ / sx
Bbls / Ft.:	0.0309	
Depth:	4779.95	ft
Annular Volume:	- V. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	bbls
Excess:	35%	
Total Slurry:	76.4	bbls
Total Sacks:	190	sx

Product	% / #	#	
Class H	50.00	8930	
Poz	50.00	7030	
Gel	2.00	319	
C-17	0.50	80	
Gypsum	6.00	958	
Defoamer	0.25	40	
Kol Seal	5.00	950	
PhenoSeal	0.25	48	
Salt (bww)	10.00	1172	
	Total	19,526	

TIME	RATE	PSI	BBLs	REMARKS
14:30	1.2	1,020.0		Open tool w/ 1020psi
14:31	5.6	360.0		Increase rate & confirm tool is open
14:38			40.0	Shutdown & handover to rig
14:42	6.5	170.0		Rig continues to circulate hole
17:30				Rig stop circulating
				STAGE 2
17:39	5.4	210.0	5.0	Pump freshwater spacer
17:40	5.4	140.0	12.0	Pump mudflush spacer
17:42	5.4	190.0	5.0	Pump freshwater spacer
17:50	2.0	50.0	7.1	Pług rathole wi 25sx cement slurry @ 13.6ppg.
17:55	2.0	50.0	7.1	Plug mousehole w/ 25sx cement slurry @ 13.6ppg.
18:00	6.0	400.0	39.9	Mix & pump 140sx cement slurry @ 13.6ppg. Y - 1.6cuft/sk, MR - 7.4g/sk.
18:10				Shutdown / Release closing plug
18:16	6.5	250.0		Displace w/ freshwater
18:34	3.0	500.0	100.0	Slow rate to 3bpm
18:36		2,510.0	110.0	Bump plug. Final circulating pressure - 600psi
18:39				Bleed off, tool closed. 1.25bbl back to tank
18:40				Wash-up pumps & lines
18:45				JSA, discuss rigging down & racking up equipment
18:50				Rig down & rack up equipment
19:10		*		JSA, discuss journey management
19:15				Depart locn
			2000	
				Thanks for calling Hurricane Services Inc
		CREW		UNIT SUMMARY

	O.I.L.II.	Q1411		
Cementer:	Scott Green	74	Average Rate	A
Pump Operator:	Jeff	230	4.45455 bpm	,
Bulk #1:	Kale Ochs	181 / 256		
Bulk #2:	Josh Mosier	67		0.0000000000000000000000000000000000000