KOLAR Document ID: 1514558

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:	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.xxxxxx) (e.gxxx.xxxxxx)		
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)	Multiple Stage Cementing Collar Used? Yes No		
Cathodic Other (Core, Expl., etc.):			
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: 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)		
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls		
Dual Completion Permit #:	Dewatering method used:		
SWD Permit #:	Location of fluid disposal if hauled offsite:		
EOR Permit #:	Location of fluid disposal if fladica offsite.		
GSW Permit #:	Operator Name:		
_	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. R East West		
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:			

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Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion	
Operator	Merit Energy Company, LLC	
Well Name	ADELA 1-10	
Doc ID	1514558	

All Electric Logs Run

BOREHOLE COMPENSATED SONIC LOG
BOREHOLE VOLUME CALIPER 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	ADELA 1-10	
Doc ID	1514558	

Tops

Name	Тор	Datum
Heebner	3922	
Lansing	4004	
Marmato	4542	
Altamont	4568	
Pawnee	4633	
Ft Scott	4675	
Cherokee	4691	
Atoka	4785	
Morrow	4936	
St Genevieve	5032	
St Louis	5072	

Form	ACO1 - Well Completion	
Operator	Merit Energy Company, LLC	
Well Name	ADELA 1-10	
Doc ID	1514558	

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugTyp e	BridgePlugSet At	Material Record
10	4568	4578			Marmaton- Acid/35 bbls of 15%acid
6	4736	4741			Cherokee- Acid/750 bals of 15% HCL acid, 31 bbls flush
4	4981	4985			U. Morrow/Fractotal load 514 bbls. x-frac 456 bbls. total L-Frac 58 bbls. Total 20/40 46,987 lbs. total N2, 1,009,000 SCF.
4	5009	5015			L.Morrow/Frac - " " "
4	5028	5032			Chester/Fractotal load 125 bbl, total x-frac 125 bbls total 16/30 1612 lbs, total N2 256,000 SCF

Form	ACO1 - Well Completion	
Operator	Merit Energy Company, LLC	
Well Name	ADELA 1-10	
Doc ID	1514558	

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugTyp e		Material Record
			CIBP Cast Iron Bridge Plug	5075	
4	5079	5084			St Louis/Acid- 24 bbls acid & 31 bbl flush

Form	ACO1 - Well Completion	
Operator	Merit Energy Company, LLC	
Well Name	ADELA 1-10	
Doc ID	1514558	

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	1755	С	655	SEE ATTACH ED
Production	7.875	5.5	17	5218	С	220	50 SX RH/SEE ATTACH ED



		EATME							
		# Merit I	1000000	Well:	Well: Adela #1-10		Ticket:		CT3101
City, State: Dallas, TX Field Rep: Rodney Gonzales		County	Finney, K	Finney, KS		1	/11/2020		
		y Gonz	ales \$-T-R:	Sec 10 - T26S -	R33W	Service:	Surf	ace Casing	
Dow	vnhole	Informa	tion	Calculated Lea	4.61				
	e Size		5 in	Weight:	100	Class A	oduct	%/#	#
Hole	Depth	176	5 ft	Water / Sx:	12.1 #/sx 15.02 gal/sx	Poz		100.00	46060
Casin	g Size	8.62	5 in	Yield:	2.50 ft ³ /sx	Gel			
Casing	Depth	175	5 ft	Bbls / Ft.:	0.0735	CaCI		3.00	4200
Dri	ill Pipe	6	in	Depth:	ft	Gypsum		2.00	1382
	Depth		ft	Annular Volume:	bbls	Metso		2.00	921
Fool / Pa	acker	:		Excessi	130%	PhenoSe	al	2.00	521
	Depth	100	ft	Total Slurry:	218.2 bbls	Fio Seal		0.50	245
isplace	ment	108.	8 bbls	Total Sacks:	490 sx	Salt (bw)	w)		
	1995							Total	49,
				Calculated Tail	Sturry	Pro	duct	%/#	#
				Weight:	14.8 #/sx	Class C		100.00	15510
				Water / Sx:	6.68 gal / sx	Poz			
				Yield:	1.37 ft ³ / sx	Gel			
				Bbls / Ft.:	0.0735	CaCI		2.00	310
				Depth:	ft	Gypsum			
				Annular Volume:	bbls	Metso			
				Excessi	0%	PhenoSea	al		
				Total Slurry:	40.3 bbls	Flo Seal		0.50	83
<u> </u>	<u> </u>		-	Total Sacks:	165 sx	Salt (bww	v)		
'IME	RATE	PSI	BBLs	**				Total	15,9
17:00			T***		REMAR	(AS			
			4	Calt out			100	65.71	-20
21:00	-			Call out					
21:00 23:00				Depart yard					
				Depart yard Arrive on locn. Rig TOH w/ collars		22 22			
23:00				Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew					
23:00 23:30				Depart yard Arrive on locn. Rig TOH w/ collars					
23:00 23:30 23:45	8.5	155.0		Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing					
23:00 23:30 23:45 2:45	8.5	155.0		Depart yard Arrive on loon. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition	of equipment				
23:00 23:30 23:45 2:45 2:50	8.5	155.0		Depart yard Arrive on loon. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth.	of equipment				
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20	8.5	155.0		Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up	of equipment				
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:30	8.5	140.0	5.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment	of equipment				
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:30 3:34	3.3	140.0 4,500.0		Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RiH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test	of equipment				
23:00 23:30 23:45 2:45 2:50 2:65 3:00 3:20 3:30 3:34 3:35	3.3	140.0 4,500.0 220.0	5.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RiH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O					
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:30 3:34 3:35 3:40	3.3 5.5 5.0	140.0 4,500.0 220.0 250.0	15.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RiH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 430sx lead slurry @ 12.1ppg. Y		2g/sk			
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:30 3:34 3:35 3:40 3:58	3.3	140.0 4,500.0 220.0	15.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RiH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump HZO Pressure test Pump HZO Mix & pump 430sx lead slurry @ 12.1ppg. Y Rate & pressure		² g/sk			
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:30 3:34 3:34 3:58 4:12	3.3 5.5 5.0 6.0	140.0 4,500.0 220.0 250.0 300.0	15.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RiH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 430sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead	′ - 2.5cuft/sk; MR - 15.02				
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:30 3:34 3:35 3:40 3:58 4:12 4:13	3.3 5.5 5.0	140.0 4,500.0 220.0 250.0	15.0 100.0 218.2	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y	′ - 2.5cuft/sk; MR - 15.02				
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:30 3:34 3:35 3:40 3:58 4:12 4:13 4:27	3.3 5.5 5.0 6.0	140.0 4,500.0 220.0 250.0 300.0	15.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop	′ - 2.5cuft/sk; MR - 15.02				
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:34 3:35 3:40 3:58 4:12 4:13 4:27 4:28	3.3 5.5 5.0 6.0	140.0 4,500.0 220.0 250.0 300.0	15.0 100.0 218.2	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1pog. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug	′ - 2.5cuft/sk; MR - 15.02				
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:30 3:34 3:35 3:40 3:58 4:12 4:13 4:27	3.3 5.5 5.0 6.0	140.0 4,500.0 220.0 250.0 300.0	15.0 100.0 218.2 40.3	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O	′ - 2.5cuft/sk; MR - 15.02				
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:34 3:35 3:40 3:58 4:12 4:13 4:27 4:28 4:29 4:43	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0	15.0 100.0 218.2 40.3	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface.	′ - 2.5cuft/sk; MR - 15.02				
23:00 23:30 23:45 2:45 2:50 3:00 3:20 3:30 3:34 4:12 4:13 4:27 4:28 4:28 4:48	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0 250.0 500.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate	- 2.5cuft/sk; MR - 15.02 - 1.37cuft/sk; MR - 6.68g				
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:34 3:35 3:40 3:58 4:12 4:13 4:27 4:28 4:29 4:43	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi	- 2.5cuft/sk; MR - 15.02 1.37cuft/sk; MR - 6.68g	ysk			
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:34 3:34 4:12 4:13 4:27 4:28 4:29 4:43 4:48 4:51	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0 250.0 500.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi 8/O, check float. 1/2bbl back. NOTE	- 2.5cuft/sk; MR - 15.02 1.37cuft/sk; MR - 6.68g @ 2bpm / 99sx cement circulate	ysk			
23:00 23:30 23:45 2:45 2:50 3:00 3:20 3:30 3:34 4:13 4:27 4:28 4:29 4:43 4:48 4:51 5:02	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0 250.0 500.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi B/O, check float. 1/2bbl back. NOTE 44bbls JSA, discuss rigging down & racking up equ	- 2.5cuft/sk; MR - 15.02 1.37cuft/sk; MR - 6.68g @ 2bpm / 99sx cement circulate	ysk			
23:00 23:30 23:45 2:45 2:50 3:00 3:20 3:33 3:34 4:13 4:27 4:28 4:29 4:43 4:48 4:51 5:02 5:05	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0 250.0 500.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi B/O, check float. 1/2bbl back. NOTE 44bbls JSA, discuss rigging down & racking up equ Rig gown & racking up	- 2.5cuft/sk; MR - 15.02 1.37cuft/sk; MR - 6.68g @ 2bpm / 99sx cement circulate	ysk			
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:30 3:34 3:58 4:12 4:13 4:27 4:28 4:29 4:43 4:48 4:51 5:02 5:05 5:10	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0 250.0 500.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi B/O, check float. 1/2bbl back. NOTE(44bbls JSA, discuss rigging down & racking up equ Rig down & rack up JSA, discuss journey management	- 2.5cuft/sk; MR - 15.02 1.37cuft/sk; MR - 6.68g @ 2bpm / 99sx cement circulate	ysk			
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:34 3:34 3:58 4:12 4:13 4:27 4:28 4:29 4:43 4:48 4:51 5:02 5:05 5:10 5:40	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0 250.0 500.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RiH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi B/O, check float. 1/2bbl back. NOTE 44bbls JSA, discuss rigging down & racking up equ Rig down & rack up JSA, discuss journey management Depart location	- 2.5cuft/sk; MR - 16.02 1.37cuft/sk; MR - 6.68g @ 2bpm / 99sx cement circulate	y/sk ed to surface.			
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:34 3:34 3:58 4:12 4:13 4:27 4:28 4:29 4:43 4:48 4:51 5:02 5:05 5:10 5:40	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0 250.0 500.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RiH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi B/O, check float. 1/2bbl back. NOTE 44bbls JSA, discuss rigging down & racking up equ Rig down & rack up JSA, discuss journey management Depart location	- 2.5cuft/sk; MR - 15.02 1.37cuft/sk; MR - 6.68g @ 2bpm / 99sx cement circulate	y/sk ed to surface.			
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:34 3:34 3:58 4:12 4:13 4:27 4:28 4:29 4:43 4:48 4:51 5:02 5:05 5:10 5:40	3.3 5.5 5.0 6.0 3.5	140.0 4,500.0 220.0 250.0 300.0 150.0 250.0 500.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RiH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi B/O, check float. 1/2bbl back. NOTE 44bbls JSA, discuss rigging down & racking up equ Rig down & rack up JSA, discuss journey management Depart location	- 2.5cuft/sk; MR - 16.02 1.37cuft/sk; MR - 6.68g @ 2bpm / 99sx cement circulate	ysk ed to surface,			
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:34 3:34 3:58 4:12 4:13 4:27 4:28 4:29 4:43 4:48 4:51 5:02 5:05 5:10 5:40	3.3 5.5 5.0 6.0 3.5 6.0 2.0	140.0 4,500.0 220.0 250.0 300.0 150.0 500.0 1,070.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi B/O, check float. 1/2bbl back. NOTE[44bbls JSA, discuss rigging down & racking up equ Rig down & rack up JSA, discuss journey management Depart location	• 25cuft/sk; MR - 15.02 1.37cuft/sk; MR - 6.68g 25pm / 99sx cement circulate sipment	ed to surface.	SUMMARY		
23:00 23:30 23:45 2:45 2:50 2:55 3:00 3:20 3:34 3:58 4:12 4:13 4:27 4:28 4:29 4:43 4:48 4:51 5:02 5:05 5:10 5:40	3.3 5.5 5.0 6.0 3.5 6.0 2.0	140.0 4,500.0 220.0 250.0 300.0 150.0 500.0 1,070.0	15.0 100.0 218.2 40.3 65.0 100.0	Depart yard Arrive on locn. Rig TOH w/ collars Rig-up casing crew RIH w/ 8.625" 24ppf J-55 casing Casing @ setting depth. Circulate & condition JSA, discuss moving on, spotting & rig-up Move on, spot & rig-up equipment Rig-up complete. Pump H2O Pressure test Pump H2O Mix & pump 490sx lead slurry @ 12.1ppg. Y Rate & pressure End Lead Mix & pump 165sx tail slurry @ 14.8ppg. Y Stop Release top plug Displace w/ H2O Cement to surface. Slow rate Bump plug. Final circulting pressure 570psi B/O, check float. 1/2bbl back. NOTE 44bbls JSA, discuss rigging down & racking up equ Rig down & rack up JSA, discuss journey management Depart location	- 2.5cuft/sk; MR - 16.02 1.37cuft/sk; MR - 6.68g @ 2bpm / 99sx cement circulate	ysk ed to surface,	SUMMARY ressure	Total Fig.	



HURRICANE SERVICES INC

	Merit Energy		Lease & Well # Adela #1-10		Date			1/11/2020			
Service District	Oakley, KS	1955	County & State	Finney, KS	Legals S/T/R	Sec 10 - T	26S - R33W	Job#	-		720
Job Type	Surface Casing	[™] PROD	□ INJ	□ SWD	New Well?	⊎ YES	□ No	Ticket #		ICT31	
Equipment #	Driver			Job Safety An	alysis - A Discus	sion of Hazards	s & Safety P		-	10131	U I
74	Scott Green	☐ Hard hat		□ Gloves		Lockout/Tag		 Warning Sign 	c & Elanaina		
230	Jesse Jones	B H2S Monitor		☐ Eye Protection		" Required Per		□ Fall Protectio			
242	John Polley Safety Footwear		r	Respiratory Protection		© Slip/Trip/Fall Hazards		Specific Job Sequence/Expectations			
181 / 256	Kale Ochs	☐ FRC/Protective	Clothing	□ Additional Chem		2 Overhead Ha		Muster Point,			ns
		□ Hearing Protect	tion	☐ Fire Extinguisher				ues noted below	Medical Loca	300115	
				······································	Con	nments		### ##################################			
		4	Directions: Garde	en City, KS - 12 mil	es south on HWY	83, 3 miles we	st on Plyme	I Rd, 1 mile sout	h & east into) .	
Product/ Service Code				,			List		ltem		-
C045	Corport Dump	Desci	iption	<u> </u>	Unit of Measure	Quantity	Price/Unit	Gross Amoun	Discount	Νe	t Amount
	Cement Pump				ea	1.00	ļ	1	 		\$1,275.0
M015	Light Equipment Mi	leane					ļ	<u> </u>	 		
ERCTO	Heavy Equipment N	Est Miles			<u>mi</u>	190.00	ļ				\$170,0
9020	Ton Mileage	meage			mi	900.00					\$340.0
	Ton willcage		'		tm	\$,277.60	<u></u>		<u> </u>		\$4,178.1
CP025	H-Can		1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 - 1900 -		sack	40.1.40			ļ		
C#926	Flo-Seal	··· · · · · · · · · · · · · · · · · ·			sack	480,00					\$8,746.5
CP888	Class C Cement					125.03					\$185.9
3P108	Calcium Chloride				sack	100.00			ļ		\$2,805.0
2 222	Flo-Seal				lb_	319.00			<u> </u>		\$197.6
	rio cour				Ъ	50.06					\$123.40
					lb .				ļ		· · · ·
E250	8 5/8" Centralizer										
	8 5/8" Guide Shoe	Control Control (c)		 	ea	9.38			ļ		\$459.00
Constant Control	8 5/8" Float Collar -	AEU N			ea	1,60				****	\$510.00
	8 5/8" Rubber Plug	Ne 1	7 1 11		ea	1.80					\$765.00
	O SIO TREBBEI Flag	130			ea ·	1.69					\$148.75
			~ ~ 7	5					<u> </u>		
		-	00 (V)	- N (m)		-					
		- 75 5	125	- (- Y -)			-				
100	No. 10		A DE	20 1	10 N						
			9-11-	0							
10 10 10 10		ie	1/11				12 302				.55
		(G									
Custon	773	following scale ho	w would you rate H	iurricane Services In	. 0						
		, removing source file	w woold you rate A	urneane Services in			Gross:		Net:	. \$	19,904.45
Base	ed on this job, how	likely is it you wo	ould recommend i	ISI to a colleague?		Total Taxable	\$ -	Tax Rate:			_
			_	.= .≠	10	State tax laws deer used on new wells	m certain produ to be sales tax	ucts and services exempt. Hurricane	Sale Tax:	\$	
	. U L					Services relies on the information above	the customer p	rovided well			
Livlik	ely 1 2 3	4 5	6 7 8	9 10 Extr		ervices and/or pro			Total		10.004.15
		33		7		101.5			Total:	\$	19,904.45
Diag.						HSI Represe	ntative:	Scott Green			
KMS: Cath in advance	ce unless Hurricane Se	ervices Inc. (HSI) has	annroyed credit prior	to sale, Credit terms of the maximum allowable					4. 4. 10.100		

Ober accounts and advance trincates 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 offset 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 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 revolutions and a support 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 quarantées proper objectational 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 purincane has been provided accurate well information in determining taxable services.

CUSTOMER AUTHORIZATION SIGNATURE

QUASAR ENERGY SERVICES, INC.

QUASAR ENERGY SERVICES INC

CEMENTING JOB LOG

3288 FM 51

Gainesville, Texas 76240 Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

1/14/19 CEMENTING JOB LOG

Company: Merit Well Name: Adele 1-10 Type Job: Cement-Production AFE #: 65012 **CASING DATA** 5 1/2 Size: Grade: 17 11 Weight: **Casing Depths** Bottom: 5199 Top: 0 Drill Pipe: Size: 0 Weight: 0 Tubing: Size: 0 Weight: 0 Grade: 0 TD (ft): 5218 Open Hole: Size: 77/8 T.D. (ft): 5218 Perforations From (ft): 0 To: 0 Packer Depth(ft): 0 **CEMENT DATA** Spacer Type: mud flush ft 3/sk Amt. Sks Yield Density (PPG) LEAD: 50/50 poz class c **Excess** 270 $ft^3/_{sk}$ Amt. Sks Yield 1.5 Density (PPG) 13.8 TAIL: **Excess** ft 3/ck Amt. Sks Yield Density (PPG) WATER: Lead: gals/sk: Tail: gals/sk: Total (bbls): Pump Trucks Used: dp 11 **Bulk Equipment:** 660-24 Disp. Fluid Type: 4% KCL Amt. (Bbls.) 119.5 Weight (PPG): 8.3 Mud Type: Weight (PPG): 9.2 **COMPANY REPRESENTATIVE:** Rodney Gonzales **CEMENTER:** 0 TIME PRESSURES PSI **FLUID PUMPED DATA REMARKS** AM/PM Casing **Tubing ANNULUS** RATE TOTAL 19:30 on loc w/fe 23:30 pump on loc 01:49 3000 **Test lines** 01:50 210 4.1 pump mud flush 01:53 240 10 on H2O spacer 01:56 plug rat and mouse 230 02:06 6.2 start mixing @ 13.8# 02:25 57.5 shut down, washup 02:29 70 6 start displacement 02:55 900 109 2.4 slow rate 02:59 1000-1500 119.5 plug down 03:02 release psi, float held job complete Thank you for your business!!!



QUASAR ENERGY SERVICES, INC.

3288 FM 51

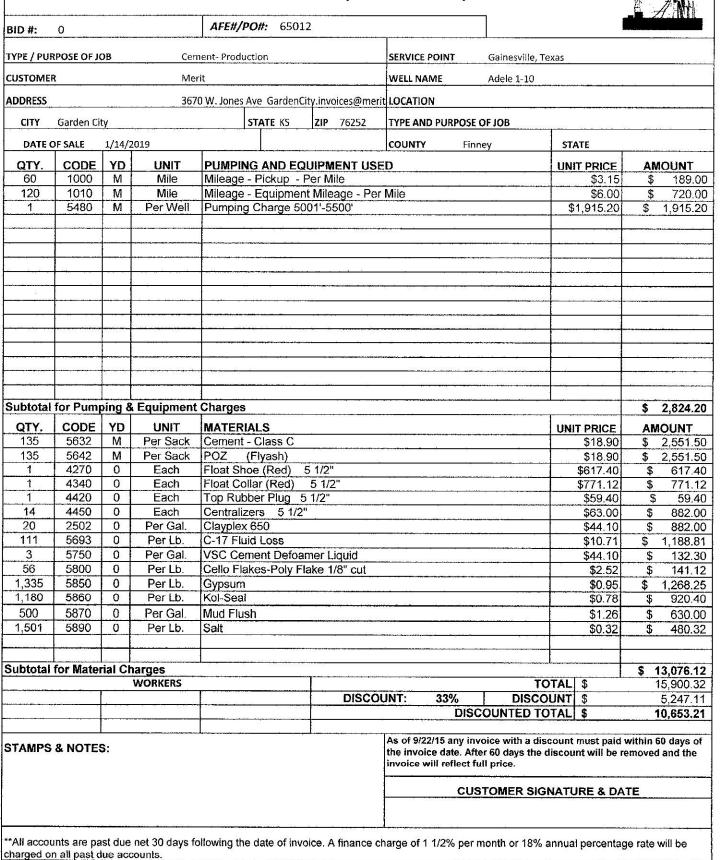
Gainesville, Texas 76240 Office: 940-612-3336

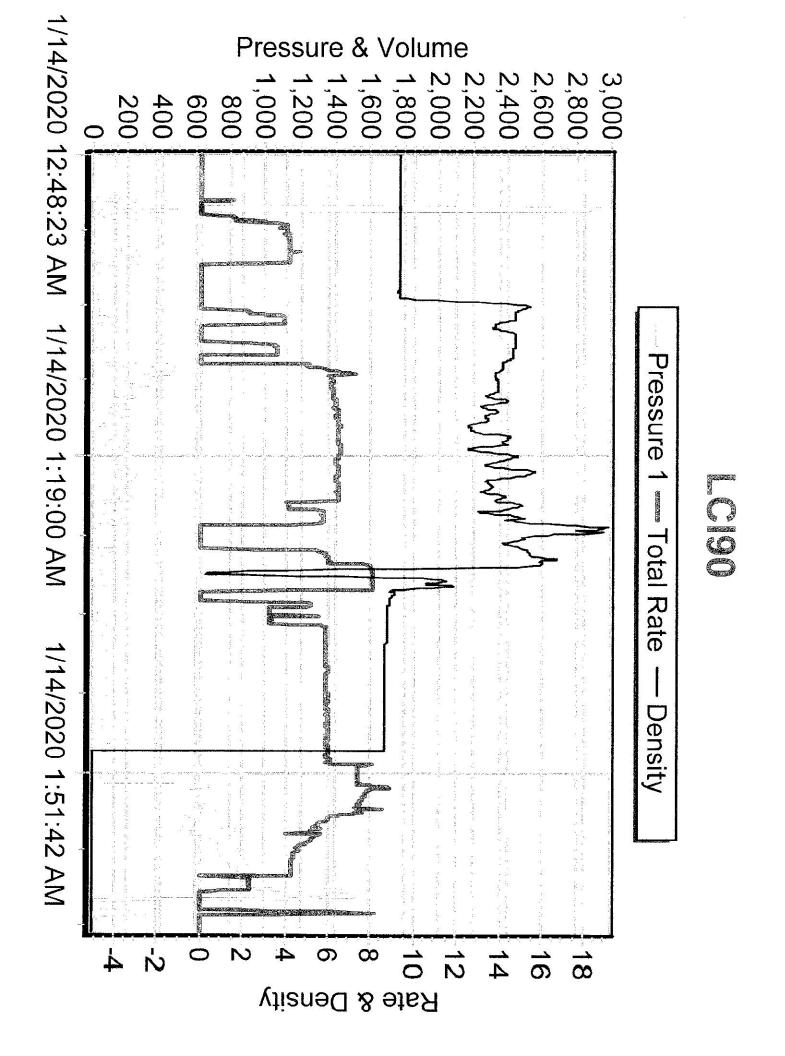
Fax: 940-612-3336 | qesi@qeserve.com

FRACTURING

I ACID

CEMENT







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

Well Name: Adela 1-10

Well Id:

Location: Sec. 10 T26S R33W, Finney Co., Kansas

License Number: 15-055-22532 Region: Wildcat Spud Date: Jan 9th, 2020 Drilling Completed: Jan 13th, 2020

Surface Coordinates: NE SW NW NE

Bottom Hole

Coordinates:

Ground Elevation (ft): 2893'
Logged Interval (ft): 3900'
To: 5200'
K.B. Elevation (ft): 2905
Total Depth (ft): 5200'

Formation: Chester

Type of Drilling Fluid: Natural Chemical

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

OPERATOR

Company: MERIT ENERGY CO.

Address: 13727 NOEL ROAD, # 1200 Tower 2

DALLAS, TX 75240 Co. Geo: Cameron Guthrie

GEOLOGIST

Name: Aaron Suelter Company: Earth Tech OGL,Inc Address: PO Box 683

Hooker, Oklahoma 73945

Off: 888-543-8378 Cell: 620-600-0777

SURVEYS

1833' INC 0.5 AZI 245.1 1987' INC 0.5 AZI 159.1 2147' INC 0.5 AZI 160.1 2335' INC 0.5 AZI 153.1 2525' INC 0.3 AZI 136.1 2681' INC 0.0 AZI 185.1 2838' INC 0.1 AZI 173.1 2994' INC 0.2 AZI 317.1 3148' INC 0.2 AZI 254.1 3305' INC 0.4 AZI 278.2 3460' INC 0.6 AZI 240.1 3618' INC 0.5 AZI 261.1 3798' INC 1.0 AZI 274.1 3930' INC 1.3 AZI 292.1 4024' INC 1.3 AZI 290.1 4117' INC 1.5 AZI 279.1 4213' INC 1.5 AZI 294.1 4307' INC 1.7 AZI 207.1 4401' INC 2.2 AZI 291.1 4558' INC 2.4 AZI 287.1 4684' INC 2.4 AZI 283.1 4840' INC 2.0 AZI 299.1 4995' INC 1.5 AZI 317.1

ROCK TYPES

