KOLAR Document ID: 1730454

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
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.xxxxxx) Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
□ Oil □ WSW □ SWD	Producing Formation:
Gas DH EOR	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
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)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	Leading of field flancastiff had a field
EOR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Canad Date on Date Decembed TD Completing Date on	Quarter Sec TwpS. R
Spud Date or Date Reached TD Completion Date or 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 III Approved by: Date:									

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Page Two

Operator Name	:						Lease	Name: _				W	/ell #:	
Sec Tv	vp	S. R.		East	t 🔲 W	/est	Count	ty:						
open and closed and flow rates if	d, flowing a gas to surf tity Log, Fir	ind shu face tes nal Logs	t-in pressu st, along w s run to ob	ures, who vith final otain Geo	ether sl chart(s ophysic	hut-in pre i). Attach cal Data a	essure rea extra she and Final I	iched stat eet if more Electric Lo	ic level space	, hydrosta e is needed	tic pressures d.	s, botton	n hole tempe	val tested, time tool erature, fluid recovery, v. Digital electronic log
Drill Stem Tests (Attach Add)	Taken	s)			/es [No		L	.og	Formatio	n (Top), Dep	oth and	Datum	Sample
Samples Sent to Geological Survey					es [No		Nam	е				Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud Logs List All E. Logs Run:				☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No										
List / III L. Logo	i turi.													
				Rep	ort all st		RECORD			Used ite, producti	on, etc.			
Purpose of S	String	Size Dril			ize Casi et (In O.I			eight s. / Ft.		Setting Depth	Type of Cement			Type and Percent Additives
					ADI	DITIONAL	. CEMENT	ING / SQL	JEEZE	RECORD				
Purpose: Depth Top Bottom Perforate Protect Casing Plug Back TD Plug Back TD		Тур	Type of Cement		# Sacks Used		Type and Percent Additives							
Plug Off 2														
Did you perform Does the volum Was the hydrau	ne of the tota	al base fl	uid of the h	ydraulic fr	racturing	•				Yes Yes Yes	No (If N	lo, skip c	questions 2 an question 3) t Page Three (·
Date of first Produ	uction/Injecti	ion or Re	sumed Pro	duction/		ucing Meth	nod:	ina	Gas Li	ft 🗆 C	ther (Explain)			
Estimated Produ Per 24 Hours			Oil E	Bbls.			Mcf	Wat			ols.	Gas	:-Oil Ratio	Gravity
DISP	POSITION O	F GAS:				N	METHOD C	F COMPLI	ETION:				PRODUCTIC Top	ON INTERVAL: Bottom
Vented (If vent	Sold [_	on Lease		Open H	lole	Perf.		Comp t ACO-5		nmingled mit ACO-4)			Jetten
Shots Per Foot	Perfora Top		Perforat Bottor		Bridge Typ		Bridge P Set At		Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)			Record		
TUBING RECOF	BD:	Size:		Set At:	<u> </u>		Packer At:							
				JULAI.			. wonor At.							

Form	ACO1 - Well Completion							
Operator	RJ Energy, LLC							
Well Name	HERMAN 40A							
Doc ID	1730454							

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set			Type Of Cement		Type and Percent Additives
Surface	9.875	7	17	20	portland	8	n/a
Production	5.875	2.875	9	792	portland	100	n/a

herman 40a

3	soil	3	
6	clay and rock	9	start 6/27/2023
33	lime	42	finish 6/28/2023
160	shale	202	
28	lime	230	set 20'7"
66	shale	296	ran 277 ' 2 7/8
114	lime	410	hurricane cemented to surface
166	shale	576	
20	lime	596	
61	shale	657	
29	lime	686	
22	shale	708	
22	lime	730	
7	shale	767	
7	lime	744	
7	shale	751	
5	lime	756	
6	shale	762	
5	bkn sand	767	good show
44	shale	811	td ·



Customer	RJ Energy		Lease & Well #	Herman, 40A				Date	6/2	28/2023
Service District	Garnett		County & State	AC, KS	Legals S/T/R			Job#		
Job Type	Long String	☑ PROD	□ INJ	SWD	New Well?	✓ YES	☐ No	Ticket #	E	P9471
Equipment #	Driver			Job Safety Ana	alysis - A Discuss	ion of Hazards &	& Safety Pro	cedures		
97	Garrett S.	✓ Hard hat		☑ Gloves		☐ Lockout/Tage	out	☐ Warning Signs	& Flagging	
209	Devin k	☑ H2S Monitor		Eye Protection		Required Permits		☐ Fall Protection		
248	Drew B	☑ Safety Footwea	ar	☑ Respiratory Prot	ection	✓ Slip/Trip/Fall Hazards		☑ Specific Job Sequence/Expectations		
124	Nick B	☑ FRC/Protective	Clothing	☑ Additional Chem	nical/Acid PPE	Overhead Hazards		✓ Muster Point/	Medical Locat	ions
		✓ Hearing Protect	tion	Fire Extinguisher			ncerns or iss	ues noted below		
					Con	nments				
-		1								
Product/ Service										
Code		Descr	iption		Unit of Measure	Quantity				Net Amount
C010	Cement Pump Serv	ice			ea	1.00				\$750.00
M010	Heavy Equipment N				mi	10.00				\$40.00
M015	Light Equipment Mil				mi	10.00				\$20.00
M025	Ton Mileage - Minim	ıum			each	1.00				\$300.00
CP020	H226 OWC				sack	80.00				\$2,000.00
CP025	Bentonite Gel				lb	200.00				\$80.00
CP125	Pheno Seal				lb	80.00				\$140.00
FE025	2 7/8" Rubber Plug				ea	2.00				\$80.00
	, and the second									
T010	Vacuum Truck - 80	bbl			hr	1.50				\$135.00
AF080	Fresh Water			gal 3,300.00				\$66.00		
Cust	omer Section: On th	ne following scale h	ow would you rate	Hurricane Services I	nc.?				Net:	\$3,611.00
						Total Taxable	\$ -	Tax Rate:		$\geq \leq$
Ba	sed on this job, ho	w likely is it you v	vould recommend	d HSI to a colleague	?	State tax laws dee used on new wells		lucts and services x exempt. Hurricane	Sale Tax:	\$ -
						Services relies on information above		orovided well ermination if services		
***************************************	cqlind#1 2	3 4 5	6 7 8	9 10 н	winpho#Dirio	and/or products ar			Total:	\$ 3,611.00
						HSI Represe	ntative:	Garrett Scot	t	
TERMS: Cash in adva	nce unless Hurricane S	ervices Inc. (HSI) has	approved credit prior	r to sale. Credit terms of	sale for approved a	, i		•		of invoice. Past due
collection, Customer happlied in arriving at ne Pricing does not includ discount is based on 3 made concerning the regularantee of future pro operational care of all	incounts 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 attorney to affect the oblection, 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 iscount 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 nature 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 quarantee 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 perational 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 furricane has been provided accurate well information in determining taxable services.								counts previously the date of issue. se services. Any commendations and HSI makes no dees proper	
V				CUSTOMER A	ITUODIZATIO	N CICNATUE	·-			

mplv: 401-2023/06/29



CEMENT TREATMENT REPORT												
		RJ Ener			Well:		Herma	n, 40A	Ticket:	EP9471		
City,	State:				County:		AC,		Date:	6/28/2023		
Field	d Rep:				S-T-R:		<u> </u>		Long String			
				1								
Dow	nhole	nformatio	on		Calculated S	Slurry - Lea	d		Cald	culated Slurry - Tail		
	e Size:		in		Blend:	owc	1#PS		Blend:			
Hole I					Weight:		ppg		Weight:	ppg		
Casing					Water / Sx:	6.8	8 gal / sx		Water / Sx:	gal / sx		
Casing I		792	ft		Yield:	1.43	3 ft ³ / sx		Yield:	ft ³ / sx		
Tubing /			in		Annular Bbls / Ft.:		bbs / ft. Annula		Annular Bbls / Ft.:	bbs / ft.		
	Depth:		ft		Depth:		ft		Depth:			
Tool / Pa					Annular Volume:	0.0	0.0 bbls Annu		Annular Volume:	0 bbls		
	Depth:		ft		Excess:				Excess:			
Displace	ement:		bbls		Total Slurry:		bbls		Total Slurry:	0.0 bbls		
TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	Total Sacks: REMARKS	75	sx		Total Sacks:	0 sx		
4:00 PM		FSI			On location, held saftey	, mooting						
4:00 PW			-	-	On location, neid saite	/ meeting						
	4.0				Established circulation	through 2.7	/8"tubing					
	4.0	200.0		_				by 4 BBL of	fresh water			
	4.0	200.0		-		umped 200# of bentonite gel followed by 4 BBL of fresh water umped 80sks of owc cement with 1#PS						
	4.0			-	Knocked off and flushe							
	1.0				Dropped two rubber plu			ith 4.6 bbl of	fresh water			
		800.0		-	Landed plug, set float							
5:00 PM	4.0			-	Washed up equipment	and left loca	tion					
				-								
		CREW			UNIT				SUMMAR	Υ		
Con	nenter:	Garre			97		Averag	e Rate	Average Pressure	Total Fluid		
Pump Op		Devin			209		_	bpm	400 psi	- bbls		
					248		5.5	~ p	1 .00 691	, and		
Bulk #1: Drew B Bulk #2: Nick B			124									

ftv: 15-2021/01/25 mplv: 401-2023/06/29