KOLAR Document ID: 1600827

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:		SecTwpS. REast West
Address 2:		Feet from North / South Line of Section
City: State	e:+	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-Er	ntry Workover	Field Name:
□ Oil □ WSW	SWD	Producing Formation:
Gas DH	 ☐ EOR	Elevation: Ground: Kelly Bushing:
☐ OG	☐ GSW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, E	Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info a	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)
□ Oursein de d	2	Chloride content: ppm Fluid volume: bbls
*	Permit #:	Dewatering method used:
	Permit #:	Location of fluid disposal if hauled offsite:
	Permit #:	Location of fluid disposal if flauled offsite.
	Permit #:	Operator Name:
		Lease Name: License #:
Spud Date or Date Reach	ed TD Completion Date or	Quarter Sec TwpS. 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 Nam	ne:			Well #:	
Sec Tw	pS	S. R	Eas	st West	County:					
	l, flowing an	d shut-in press	sures, wh	ether shut-in pre	ssure reached	static	level, hydrostat	ic pressures, bo		val tested, time tool erature, fluid recovery,
Final Radioactivi files must be sub							s must be emai	led to kcc-well-l	ogs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests (Attach Addit		1		Yes No		Lo	g Formation	n (Top), Depth a		Sample
Samples Sent to	Geological	Survey		Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs F	t / Mud Logs	s		Yes No Yes No Yes No						
			Rep	CASING	RECORD [New e, interr		on, etc.		
Purpose of St	tring	Size Hole Drilled		Size Casing let (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	CEMENTING /	SQUE	EZE RECORD			
Purpose: Perforate		Depth Top Bottom	Тур	pe of Cement	# Sacks Use	ed		Type and	Percent Additives	
Protect Ca										
Plug Off Z										
Did you perform Does the volume Was the hydraul	e of the total I	base fluid of the	hydraulic f	fracturing treatment		-	Yes s? Yes Yes	No (If No, s	kip questions 2 ar kip question 3) Il out Page Three	
Date of first Produ Injection:	iction/Injection	n or Resumed Pr	roduction/	Producing Meth	od:	Пе	ias Lift O	ther <i>(Explain)</i>		
Estimated Product Per 24 Hours		Oil	Bbls.		Mcf	Water			Gas-Oil Ratio	Gravity
DISPO	OSITION OF	GAS:		N	METHOD OF CO	MPLET	ION:			ON INTERVAL:
Vented		Used on Lease		Open Hole		Oually C Submit A		mingled nit ACO-4)	Тор	Bottom
,	ed, Submit AC					1				
Shots Per Foot	Perforation Top	on Perfor Bott		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze and of Material Used)	
TUBING RECORI	D: S	ize:	Set At	: -	Packer At:					

Form	ACO1 - Well Completion
Operator	RJ Energy, LLC
Well Name	EWING 22A
Doc ID	1600827

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	9.875	7	17	20	portland	8	n/a
Production	5.875	2.875	6.5	661	portland	80	n/a

Ewing 22A

4	soil	4	start 10/6/21
11	clay	15	finish 10/7/21
60	shale	75	
29	lime	104	
32	shale	136	
13	lime	149	set 20' 7"
30	shale	179	ran 661' 2 7/8
54	lime	233	hurricane cemented to surface
6	shale	239	
43	lime	282	
170	shale	452	
16	lime	468	
59	shale	527	
30	lime	557	
21	shale	578	
9	lime	587	
19	shale	6906	
6	lime	612	
9	shale	621	
6	lime	627	
7	shale	634	
6	oil sand	640	good show
170	shale	810	
6	brkn sand	816	show
4	shale	820	t.d.



y, State: Garnett, KS County: AN, KS Date: 10/7	sx x
Downhole Information Calculated Slurry - Lead Calculated Slurry - Tall Slurry Lead Calculated Slurry - Tall Sacks: Displacement:	gstring ail sx
Downhole Information Hole Size: 5 5/8 in Hole Depth: ft Casing Size: 2 7/8 in Casing Depth: ft Depth: ft Depth: ft Tubing / Liner: in Depth: ft Tool / Packer: Tool Depth: ft Displacement: bbls STAGE TOTAL Calculated Slurry - Lead Calculated Slurry - Lead Econobond 1# PS Blend: Econobond 1# PS Blend: Econobond 1# PS Blend: Weight: ppg Weight: ppg Water / Sx: gal / sx Yield: ft² / sx Yield: ft² / sx Annular Bbls / Ft.: bbs / ft. Depth: ft Depth: ft Calculated Slurry - Ta Blend: Calculated Slurry - Ta Blend: Blend: Fconobond 1# PS Blend: Weight: ppg Water / Sx: gal / sx Yield: ft² / sx Yield: ft² / sx Annular Bbls / Ft.: bbs / ft. Depth: ft Depth: ft Calculated Slurry - Ta Blend: Depth: ppg Water / Sx: gal / sx Yield: ft² / sx Annular Bbls / Ft.: bbs / ft. Depth: ft Depth: ft Tool / Packer: Displacement: bbls Total Slurry: bbls Total Slurry: 0.0 bbls Total Sacks: 0 sx Total Sacks: 0 sx	sx
Downhole Information Hole Size: 5 5/8 in Hole Depth: ft Casing Size: 2 7/8 in Casing Depth: ft Depth: ft Depth: ft Depth: ft Tubing / Liner: in Depth: ft Tool / Packer: Tool Depth: ft Displacement: bbls STAGE TOTAL: Total Sacks: Calculated Slurry - Lead Calculated Slurry - Ta Blend: Econobond 1# PS Blend: Blend: Weight: 13.61 ppg Weight: ppg Weight: ppg Water / Sx: gal / sx Vield: ft² / sx Vield: ft² / sx Vield: ft² / sx Annular Bbls / Ft.: bbs / ft. Depth: ft Depth: ft Tool / Packer: Displacement: bbls Total Slurry: bbls Total Slurry: 0.0 bbls Total Slurry: 0.0 bbls Total Sacks: 0 sx Time RATE PSI BBLs BBLs REMARKS	sx x
Hole Size: 5 5/8 in Hole Depth: ft Casing Size: 2 7/8 in Casing Depth: ft Depth: ft Depth: ft Tool / Packer: Tool Depth: ft Displacement: bbls STAGE TOTAL Hole Depth: ft Blend: Econobond 1# PS Blend: Heconobond 1# PS Blend: Heconobon	sx x
Hole Depth: ft Weight: 13.61 ppg Weight: ppg Casing Size: 2 7/8 ln Water / Sx: 7.12 gal / sx Water / Sx: gal / s Casing Depth: ft Yield: 1.56 ft³ / sx Yield: ft³ / s Tubing / Liner: in Annular Bbls / Ft.: bbs / ft. Depth: ft Depth: ft Depth: ft Depth: ft Tool / Packer: Annular Volume: 0.0 bbls Tool Depth: ft Excess: Displacement: bbls Total Slurry: bbls Total Slurry: 0.0 bbls STAGE TOTAL Total Sacks: 0 sx Time RATE PSI BBLs BBLs REMARKS	x
Casing Size: 2 7/8 in Water / Sx: 7.12 gal / sx	x
Casing Depth: ft Yield: 1.56 ft³ / sx Yield: ft³ / si Tubing / Liner: in Annular Bbts / ft.: bbs / ft. Depth: ft Depth: ft Depth: ft Depth: ft Tool / Packer: Annular Volume: 0.0 bbls Tool Depth: ft Excess: Excess: Displacement: bbls Total Sturry: bbls Total Sturry: 0.0 bbls STAGE TOTAL Total Sacks: 0 sx Total Sacks: 0 sx Time RATE PSI BBLs BBLs REMARKS	x
Tubing / Liner: in Annular Bbts / Ft.: bbs / ft. Depth: ft Depth: ft Depth: ft Depth: ft Tool / Packer: Annular Volume: 0.0 bbls Annular Volume: 0 bbls Tool Depth: ft Excess: Excess: Displacement: bbls Total Slurry: bbls Total Slurry: 0.0 bbls STAGE TOTAL Total Sacks: 0 sx Time RATE PSI BBLs BBLs REMARKS	
Depth: ft Depth:	ft.
Tool / Packer: Tool Depth: ft Excess: Displacement: bbls Total Slurry: STAGE TOTAL Total Sacks: Total Sacks:	
Tool Depth: ft Excess: Excess: Displacement: bbls Total Slurry: bbls Total Slurry: 0.0 bbls STAGE TOTAL Total Sacks: 0 sx TIME RATE PSI BBLs BBLs REMARKS	
Displacement: bbls Total Slurry: bbls Total Slurry: 0.0 bbls STAGE TOTAL Total Sacks: 0 sx TIME RATE PSI BBLS BBLS REMARKS	
STAGE TOTAL Total Sacks: 0 SX Total Sacks: 0 SX TIME RATE PSI BBLs BBLs REMARKS	
TIME RATE PSI BBLs BBLs REMARKS	
EX. DESCRIPTION 1 TO 1	
12.30 Fm	
4.0 - established circulation	
4.0 - mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water	
4.0 - mixed and pumped 70 sks Econobond cement with 1# Phenoseal per sk, cement to surface	
4.0 - flushed pump clean	
1.0 - pumped 2 2 7/8" rubber plugs to casing TD with 3.83 bbls fresh water	
1.0 - pressured to 800 PSi, well held pressure	
released pressure to set float valve	
4.0 - washed up equipment	
1;30 PM left location	
	and any about physical and the desired and any and any and any any
	-
CREW UNIT SUMMARY	
Cementer: Alan Mader 90 Average Rate Average Pressure Total Fluid	
Pump Operator: Casey Kennedy 238 3.1 bpm - psi - bbls	5
Buik: Devin Katzer 193	
H2O: Keith Detwiler 111	