KOLAR Document ID: 1724467

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 # 3728
Name: RJ Energy, LLC
Address 1: 22082 NE NEOSHO RD
Address 2:
City: GARNETT State: KS Zip: 66032 + 1918
Contact Person: Jason Kent
Phone: (785) 448-4101
CONTRACTOR: License # 3728
Name: RJ Energy, LLC
Wellsite Geologist: n/a
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 #:

5/17/2023 Spud Date or Recompletion Date
5/18/2023 Date Reached TD
5/18/2023 Completion Date or Recompletion Date

API No.: 15-107-25545-00-00
Spot Description:
SE - SE - SE - SE Sec. 19 Twp. 22 S. R. 22 ☑ East ☐ West
107 Feet from ☐ North / ☑ South Line of Section
157 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Linn
Lease Name: NASH Well #: WSW
Field Name: blue mound
Producing Formation: mississippi
Elevation: Ground: 1018 Kelly Bushing: 1018
Total Vertical Depth: 990 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 990 w/ 130 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:** David Befort **Date:** 08/03/2023

Operator Name: RJ Energy, LLC Lease Name: NASH Well #: WSW

Sec. 19 Twp. 22 S. R. 22 ☑ East ☐ West County: Linn

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 *(Attach Additional Sheets)*	☐ Yes	☑ No	☐ Log	Formation (Top), Depth and Datum ☐ Sample
Samples Sent to Geological Survey	☐ Yes	☑ No	Name see log	Top Datum
Cores Taken	☐ Yes	☑ No		
Electric Log Run	☐ Yes	☑ No		
Geologist Report / Mud Logs	☐ Yes	☑ No		
List All E. Logs Run:				

CASING RECORD ☑ New ☐ 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
Surface	9.875	7	17	20	portland	8	n/a
Production	7.875	5.5	13	893	portland	130	n/a

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: 7/1/2023	Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:	
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top	Bottom
		893	990

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
TUBING RECORD:	Size:	Set At:		Packer At:	

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	RJ Energy, LLC
Well Name	NASH WSW
Doc ID	1724467

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	9.875	7	17	20	portland	8	n/a
Production	7.875	5.5	13	893	portland	130	n/a

nash wsw

3	soil	3		
7	clay and rock	10		start 5/17/2023
114	lime	124		finish 5/18/2023
167	shale	291		
29	lime	320		set 20'7"
56	shale	376		ran 893' 5 1/2
31	lime	407		hurricane cemented
34	shale	441		to surface
24	lime	465		drilled 8 5/8 hole to 901
9	shale	474		open hole to 990
6	lime	480		
95	shale	575		
2	lime	577		
243	shale	820		
25	lime	845	soft	
87	lime	932	hard	
28	lime	960	soft	
30	lime	990	hard	td

TREATMENT REPORT

tomer:	RJ Energy	Well:	Nash WSW	Ticket:	EP8901
ty, State:	Garnett, KS	County:	LN, KS	Date:	5/19/2023
Field Rep:	Jason Kent	S-T-R:	19-22-22	Service:	Longstring

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	901 ft
Casing Size:	5 1/2 in
Casing Depth:	893 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	19.00 bbls

Calculated Slurry - Lead	
Blend:	Thixo 1# PS
Weight:	13.80 ppg
Water / Sx:	8.65 gal / sk
Yield:	1.79 ft^3 / sk
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	41.44 bbls
Total Sacks:	130 sks

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sk
Yield:	ft^3 / sk
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sks

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
2:00 PM			-	-	on location, held safety meeting
				-	
	4.0			-	established circulation
	4.0			-	mixed and pumped 200# Bentonite Gel followed by 5 bbls fresh water
	4.0			-	mixed and pumped 130 sks Thixo cement w/ 1# PhenoSeal per sk
	4.0			-	displaced cement w/ 19 bbls fresh water, cement to surface
				-	shut in casing
	4.0			-	washed up equipment
				-	
3:00 PM				-	left location
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	

	CREW	UNIT
Cementer:	Casey Kennedy	931
Pump Operator:	Nick Beets	209
Bulk:	Trevor Glasgow	248
H2O:	Doug Gipson	144/128

SUMMARY		
Average Rate	Average Pressure	Total Fluid
4.0 bpm	- psi	- bbls

ftv: 15-2021/01
mplv: 397-2023/05