KOLAR Document ID: 1461094

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 # 32211
Name: O'Brien Energy Resources Corp.
Address 1: 18 CONGRESS ST, STE 207
Address 2:
City: PORTSMOUTH State: NH Zip: 03801 + 4091
Contact Person: Joseph Forma
Phone: (603) 427-2099
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Peter Debenham
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 #:

3/19/2019 Spud Date or Recompletion Date
3/26/2019 Date Reached TD
3/27/2019 Completion Date or Recompletion Date

API No.: 15-119-21433-00-00
Spot Description:
N2 - S2 - SW - SE Sec. 20 Twp. 33 S. R. 29 ☐ East ☑ West
335 Feet from ☐ North / ☑ South Line of Section
1980 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: Meade
Lease Name: SHINOGLE Well #: 3-20
Field Name:
Producing Formation: Dryhole
Elevation: Ground: 2667 Kelly Bushing: 2679
Total Vertical Depth: 6398 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1528 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 10000 ppm Fluid volume: 600 bbls
Dewatering method used: Evaporated
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: 05/24/2019
☐ **Confidential Release Date:** 05/23/2021
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 05/24/2019

Operator Name: O'Brien Energy Resources Corp. Lease Name: SHINOGLE Well #: 3-20

Sec. 20 Twp. 33 S. R. 29 ☐ East ☑ West County: Meade

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
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Neutron
Micro
Induction

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

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	12.25	8.625	24	1538	A-Con Blend	575	3%CaCl & 1/4# floseal

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:	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

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	O'Brien Energy Resources Corp.
Well Name	SHINOGLE 3-20
Doc ID	1461094

Tops

Name	Top	Datum
Heebner	4452	-1773
Toronto	4488	-1809
Lansing	4628	-1949
Marmaton	5294	-1615
Cherokee	5459	-2780
Atoka	5748	-3069
Morrow	5806	-3127
Mississippi Chester	5940	-3261
Basal Chester	6124	-3445
Ste Genevieve	6186	-3507
St. Louis	6259	-3580

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	SHINOGLE 3-20
Doc ID	1461094

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	12.25	8.625	24	1538	A-Con Blend	575	3%CaCl & 1/4# floseal

BASIC ENERGY SERVICES

PRESSURE PUMPING

Job Log

Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

Customer:	Obrien Energy	Cement Pump No.:	37223 19572 7 HRS	Operator TRK No.:	78938		
Address:		Ticket #:	1718 19349 L	Bulk TRK No.:	14355 37724 Cristian	14354 19578 Marc	
City, State, Zip:		Job Type:	Z41 - Squeeze Raise Cement				
Service District:	1718-Liberal Ks	Well Type:	OIL				
Well Name and No.:	Shinogle 3-20	Well Location:	20,33,29	County:	Meade	State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con'-Blend	425	3% Calcium Chloride, 1/4# Polyflake, 2%WCA1	14355 37724 Cristian	Front	Back
Premium Plus Cement	150	2% Calcium Chloride, 1/4#Polyflake	14354 19578 Marc	Front	Back
				Front	Back

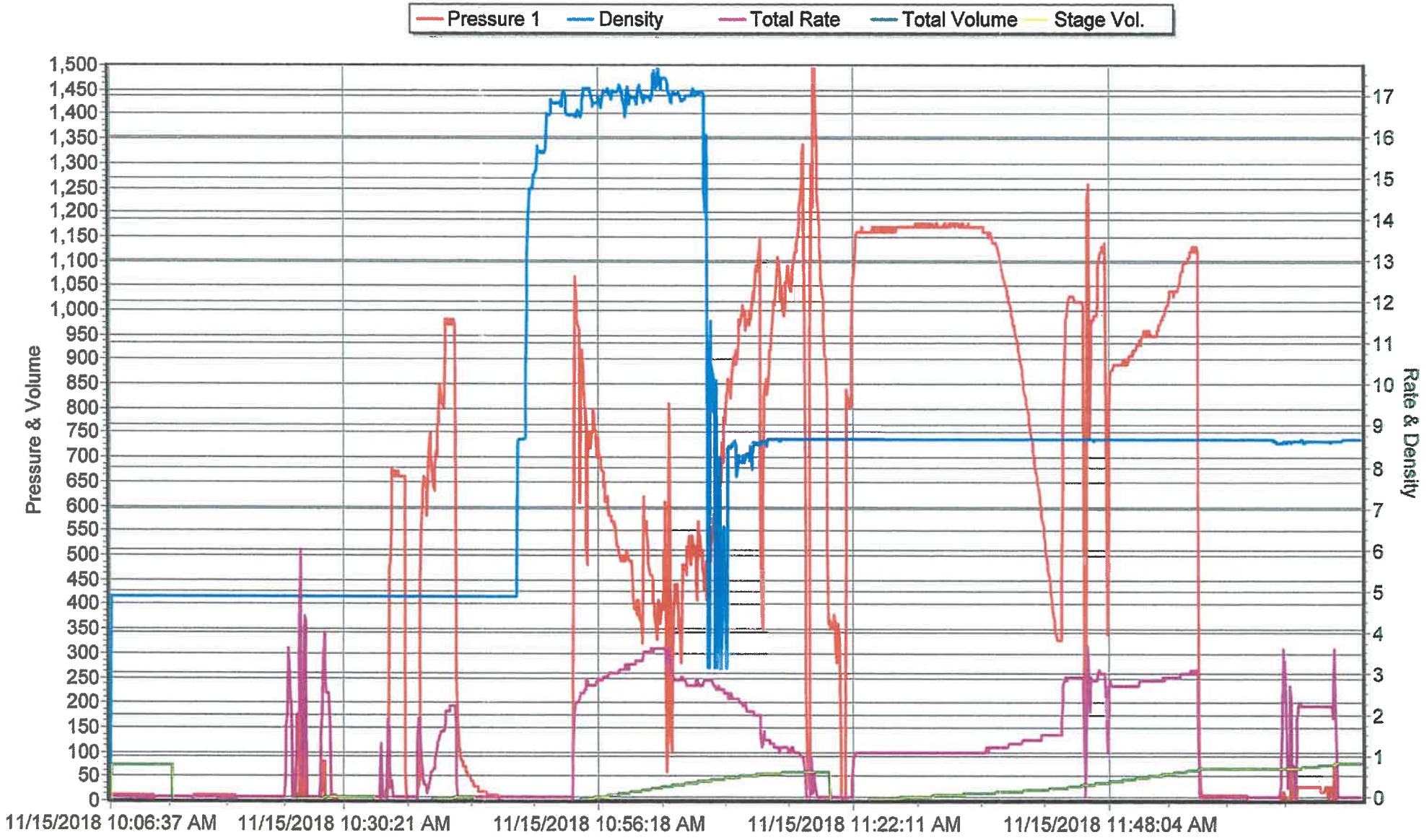
Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	11.4	2.95	18.1	1253.75	TT Man Hours:	32
Tail:	14.8	1.34	6.33	201	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps T	Pumps C	Pressure(PSI) Tubing	Pressure(PSI) Casing	Description of Operation and Materials
20:30pm							Arrived at location
20:45pm							Spot trucks/Rig up
22:00pm							Safety meeting
22:21pm						1500	Pressure test lines to 1500psi
22:28pm		223.2				200	Pump lead 223.2bbls from 425sks at 11.4lbs
23:07pm		35.7				200	Pump tail 35.7bbls from150sks at 14.8lbs
23:19pm							Drop plug/wash pump and lines
23:20pm							Start Displacement
23:25pm		20				120	20bbls gone
23:30pm		40				180	40bbls gone
23:35pm		60				290	60bbls gone
23:39pm		80				500	80bbls gone
23:40pm		84				450	84bbls gone/slow down rate
23:42pm		94				1090	Bump plug
							Check if float holds
							Got 80 bbls of cement to surface
							Rig down
							Job Completed
							Thanked company man

Size Hole	12 1/4	Depth	15377			TYPE		
Size & Wt. Csg.	8 5/8 24#	Depth	1527	New / Used		Flapper Float	1486	Depth
Shoe Joint	40	Depth	1486			Retainer		Depth
Top Plugs		Type				Perfs		CIBP

Customer Signature:	
Basic Representative:	Victor A. Corona
Basic Signature:	Victor A Corona
Date of Service:	3/20/2019

Obrien Energy
Shinogle 3-20
Surface



BASIC ENERGY SERVICES

PRESSURE PUMPING

Job Log

Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

Customer:	Obrien Energy	Cement Pump No.:	38117 19919 3Hrs.	Operator TRK No.:	96816		
Address:	18 Congress St. Suite 207	Ticket #:	1718 17295 L	Bulk TRK No.:	14355, 37724 Santiago		
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 Cement Plug to Abandon				
Service District:	1718 - Liberal, Ks.	Well Type:	OIL				
Well Name and No.:	Shinogle 3-20	Well Location:	20,33,29	County:	Meade	State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
60/40 Poz	160	4% Total Gel	14355, 37724 Santiago	Front	Back
				Front	Back
				Front	Back

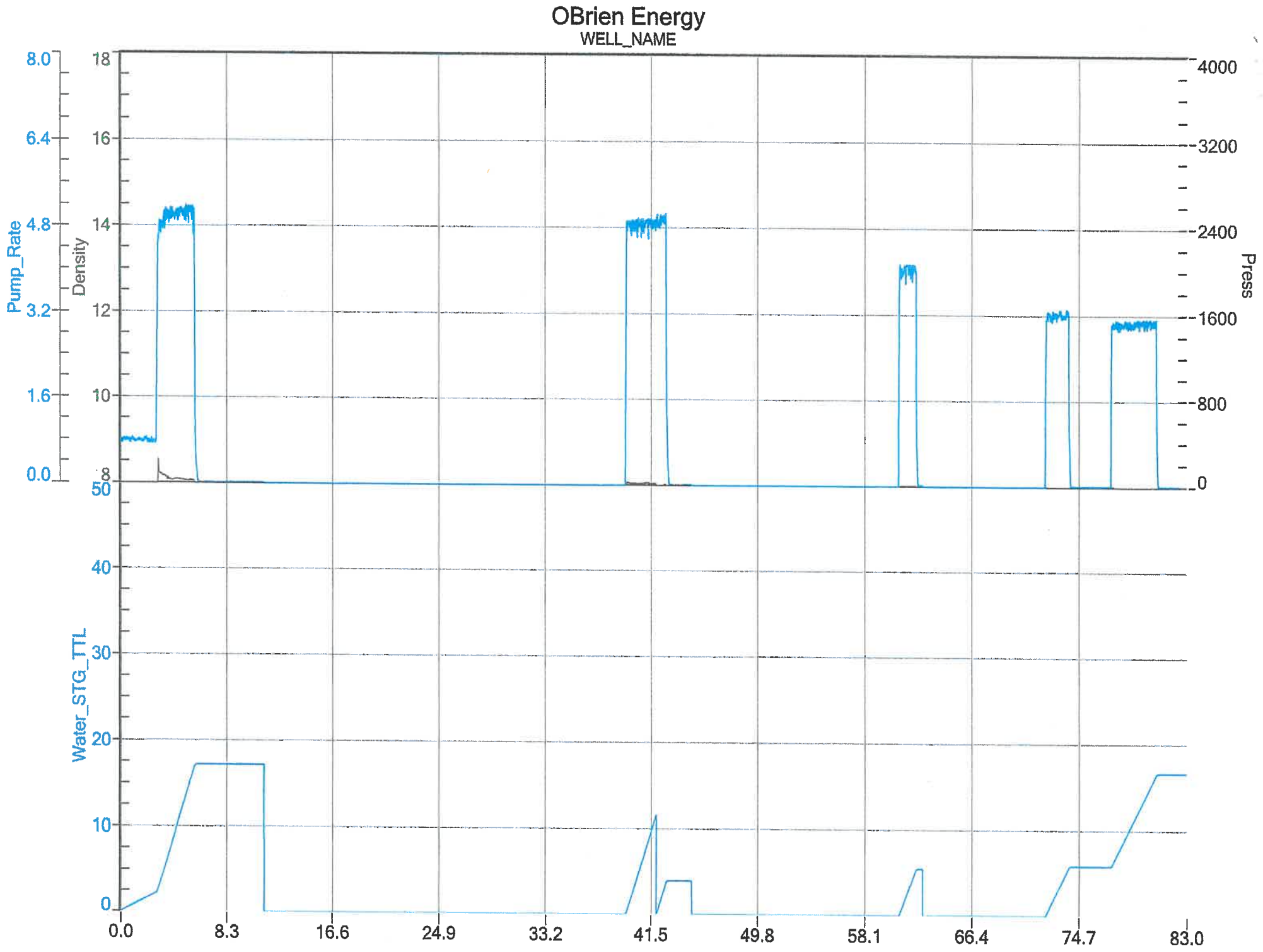
Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	13.5	1.5	7.5	240	TT Man Hours:	21.5
Tail:					# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLS)	Pumps T	Pumps C	Pressure(PSI) Tubing	Pressure(PSI) Casing	Description of Operation and Materials
16:20							ON LOCATION & SAFETY MEETING
16:30							RIG UP & WAIT
5:06 PM	5	13.1 slurry				110	PUMP PLUG #1 50SX @ 13.5# / 1590'
5:12 PM		17.9					DISPLACE W/ 17.9BBLS MUD
5:44 PM	5	10.6 slurry				20	PUMP PLUG #2 50SX @ 13.5# / 570'
17:46		4.6					DISPLACE W/ 4.6BBLS
18:05		5.3 slurry					PUMP PLUG #3 20SX @ 13.5# CEMENT TO SURFACE
6:15 PM							PLUG RAT & MOUSE W/ 50SX
							JOB COMPLETE

Size Hole	7 7/8"	Depth				TYPE	Swage		
Size & Wt. Csg.	8 5/8" 24#	Depth		New / Used		Packer		Depth	
Size & Wt. DP.	4 1/2" 16.6#	Depth				Retainer		Depth	
Plugs	1590'	570'	60'	Rat & Mouse		Perfs		CIBP	

Customer Signature:

Basic Representative:	Daniel Beck
Basic Signature:	Daniel Beck
Date of Service:	3/26/2019


OBrien Energy
WELL_NAME
Pump_Rate
8.0
6.4
4.8
3.2
1.6
0.0
Density
18
16
14
12
10
8
Press
4000
3200
2400
1600
800
0
Water_STG_TTL
50
40
30
20
10
0
0.0
8.3
16.6
24.9
33.2
41.5
49.8
58.1
66.4
74.7
83.0

O'Brien Energy Resources, Inc.
Shinogle No. 3-20, Singley Field
Section 20, T33S, R29W
Meade County, Kansas
March, 2019

Well Summary

The O'Brien Energy Resources, Corporation, Shinogle No. 1-20 was drilled to a total depth of 5398' in the Mississippian St. Louis. It offset the Shinogle No. 1-20 by approximately 1000' to the East. Formation tops came in consistently lower relative to this offset. The Heebner, Toronto and Lansing came in 4' low. The Cherokee, Atoka and Morrow ran in 11', 12' and 16' low respectively, the Chester, 6' low.

No significant hydrocarbon shows or gas increases were documented during the drilling of this well and the Shinogle No. 3-20 was plugged and abandoned 3/27/19.

Respectfully Submitted,

Peter Debenham

WELL DATA

Operator:	O'Brien Energy Resources, Inc., John Forma – Portsmouth, NH Geologist: Paul Wiemann – Denver, CO
Prospect Geologist:	Ed Schuett, David Ward, Denver
Well:	Shinogle No. 3-20, Singley Field
API No.:	15-119-21433
Field:	Singley
Location:	335' FSL & 2310' FEL, Section 20, T33S, R29W, Meade County, Kansas – 15 miles SE of Meade.
Elevation:	Ground Level 2667', Kelly Bushing 2679'
Contractor:	Duke Drilling Rig No. 1, TP Mike Godfrey, Drillers Carlos & Saul Garcia, Juan Nayarro
Company Man:	Dana Greathouse
Spud Date:	3/19/19, 21:00 hrs.
Total Depth:	3/25/19, Driller 6384', Logger 6398' – 14' discrepancy, St. Louis Fm
Casing Program:	38 joints of 8 5/8", J55 STC, 24Lbs/ft, set at 1538'.
Mud Program:	Winter Mud, engineer Paul White, Chemical gel/LCM. Displaced 2587'.
Wellsite Consultant:	Peter Debenham with mudlogging trailer, Call depth 4000', Box 350, Drake, CO 80515, 720/220-4860.
Samples:	20' to TD. One set dry cut sent to KGS Sample Log Library.
Electric Logs:	Weatherford, engineer Matt Mcglothlin, 1) Array Induction, 2) Neutron/Density, 3) Microlog and high Res. across the Morrow.
Status:	Plugged and abandoned 3/27/19.

WELL CHRONOLOGY

DATE	6 AM DEPTH	FOOTAGE	RIG ACTIVITY
3/19			Move to location and rig up rotary tools. Mix spud mud and spud in 12 ¼" surface hole(21:00).
3/20	795'	795'	Drill surface hole.
3/21	1537'	742'	To 1537' and circulate. Wiper trip and circulate. Run and cement 38 Joints of 8 5/8" J-55 STC casing set at 1538' – cement did circulate. Wait on cement.
3/22	2933'	1396'	Drill plug and cement and 7 7/8" hole to 2933'. Displace mud system at 2587'.
3/23	4210'	1277'	Surveys(3/4 – 1 deg.). Trip for plugged bit.
3/24	4999'	789'	Surveys(1 – ¼ deg.). Clean out plugged bit. Trip in and circulate and drill to 4999'.
3/25	5960'	961'	To 5218' and wiper trip 42 stands to 2600' and circulate.
3/26	6384'TD	424'	To TD and circulate. Wiper trip to 5000' and circulate. Trip out for logs.
3/27	TD		Trip for logs and run ELogs. Trip in and plug and abandon well. Rig down.

BIT RECORD

NO.	MAKE	TYPE	SIZE	OUT	FOOTAGE	HOURS
1		VOT 519	12 ¼"	1537'	1537'	12 ½
2		V 516	7 7/8"	6384'	4847'	81
				Total Rotating Hours:		93.5
				Average:		68.2 Ft/hr

DEVIATION RECORD – degree

542' ½, 1046' ¾, 1557' ½, 2241' ½, 3028' ¾, 3528' 1, 5501' 1, TD 1

MUD PROPERTIES

DATE	DEPTH	WT	VIS	PV	YP	pH	WL	CL	LCM-LBS/BBL
3/20	896’	10.2	35	9	6	8.5	--	5K	6
3/21	1537’	8.45	26	3	2	8.5	100	1.5K	6
3/22	3019’	8.7	50	18	18	9	14	6K	4
3/23	4210’	8.9	38	11	8	10.5	10	5K	5
8/24	5174’	9.1	40	13	7	10.5	8	4K	7
8/25	6048’	9.0	48	13	6	10.5	6	4K	8

ELECTRIC LOG FORMATION TOPS- KB Elev. 2679’

			*Shinogle No. 1-20	
FORMATION	DEPTH	DATUM	DATUM	POSITION
Heebner	4452’	-1773’	-1769’	-4’
Toronto	4488’	-1809’	-1807’	-2’
Lansing	4628’	-1949’	-1945’	-4’
Marmaton	5294’	-1615’	-2609’	-6’
Cherokee	5459’	-2780’	-2769’	-11’
Atoka	5748’	-3069’	-3057’	-12’
Morrow	5806’	-3127’	-3111’	-16’
Mississippi Chester	5940’	-3261’	-3255’	-6’
Basal Chester	6124’	-3445’	-3441’	-4’
Ste Genevieve	6186’	-3507’	-3505’	-2
St. Louis	6259’	-3580’	-3597’	-17’
TD	6375’			

*O’Brien Energy Corp., Shinogle No. 1-20, 660’FSL & 2310’FWL, Sec. 20, app. 1000’ to the West.