

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ 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: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	PREEDY 1-9
Doc ID	1408031

Tops

Name	Top	Datum
Heebner	4426	1781
Toronto	4452	1807
Lansing	4570	1925
Marmaton	5218	2573
Cherokee	5394	2749
Atoka	5645	3000
Morrow	5702	3057
Mississippi Chester	5830	3185
Basal Chester	6018	3373
Ste. Genevieve	6060	3415
St. Louis	6160	3515



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

PRESSURE PUMPING

Job Log

Customer:	O'Brien Energy	Cement Pump No.:	38117, 19919 7Hrs.	Operator TRK No.:	96816
Address:	18 Congress St. Suite 207	Ticket #:	1718 15551 L	Bulk TRK No.:	14355, 127724 Ruben 30464, 37725 Manuel
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 Cement Surface Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Preedy 1-9	Well Location:	9-33-29	County:	Meade State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	360	3% Calcium Chloride, 1/4# Polyflake, .2% WCA1	14355, 127724 Ruben	Front	Back
Premium Plus Cement	150	2% Calcium Chloride, 1/4# Polyflake	30464, 37725 Manuel	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	1062	TT Man Hours:	40
Tail:	14.8	1.34	6.33	201	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBS)	Pumps		Pressure (PSI)		Description of Operation and Materials	
			T	C	Tubing	Casing		
8:45							ON LOCATION	
9:15							SAFETY MEETING	
9:45 AM							RIG UP	
12:30 PM							RIG TO CIRCULATE	
1:02 PM							RIG TO P.T.	
13:05							PRESSURE TEST TO 2150PSI	
13:11	5.5	189.1 slurry				220	PUMP 360SX LEAD @ 11.4#	
1:41 PM	5.4	35.7 slurry				220	PUMP 150SX TAIL @ 14.8#	
13:51							SHUTDOWN / DROP PLUG	
13:53	5.5	10				120	DISPLACE	
	5.5	20				140		
	5.4	30				180		
	5.4	40				240		
14:06	5.4	50				300	CEMENT RETURNS	
	5.4	60				370		
	5.4	70				440		
	5.3	80				500		
14:13	5.1	83				530	SLOW RATE TO 2.0BPM @ 470PSI	
	2	90				490		
14:19	2	93.9				500	LAND PLUG / PRESSURE UP TO 1000PSI	
14:21							RELEASE BACK — FLOAT HELD	
							JOB COMPLETE	
Size Hole	12 1/4"	Depth	1536'			TYPE	Plug Container	
Size & Wt. Csg.	8 5/8" 24#	Depth	1519.78'	New / Used		Packer	Depth	
Landing Press.	307.3psi	Depth				Retainer	Depth	
Shoe Jt.	42.20'	Type				Perfs	CIBP	

Customer Signature: <i>[Signature]</i> 1-28-18	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	1/28/2017



BASIC
ENERGY SERVICES

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

PRESSURE PUMPING

Job Log

Customer:	O'Brien Energy	Cement Pump No.:	38117, 19919 6.5Hrs.	Operator TRK No.:	96816	
Address:	18 Congress St. Suite 207	Ticket #:	1718 15555 L	Bulk TRK No.:	70897, 19808 Santiago	70897, 19808
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 Cement Production Casing			
Service District:	1718 - Liberal, Ks.	Well Type:	OIL			
Well Name and No.:	Preedy 1-9	Well Location:	9,33,29	County:	Meade	State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
AA2	225	5% W-60, 10% SALT, .6% C-15, 1/4# DEFOAMER, 5# GILSONITE	70897, 19808 Santiago		Front Back
RAT & MOUSE	50	5% W-60, 10% SALT, .6% C-15, 1/4# DEFOAMER, 5# GILSONITE	70897, 19808		Front Back
					Front Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Tail:	14.8	1.51	6.65	339.75	TT Man Hours:	33
RAT & MOUSE:	14.8	1.51	6.65	75.5	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
23:00							ON LOCATION
0:00							SAFETY MEETING
12:10 AM							RIG UP & WAIT
2:50 AM							RIG TO CIRCULATE
3:15 AM							RIG TO P.T. / PRESSURE TEST TO 2600PSI
3:44	4	11.9				360	PUMP 500GALLONS MUD FLUSH
3:51		13.3 slurry					PUMP RAT & MOUSE
4:08 AM	6	60.5 slurry				440	PUMP 225SX TAIL @ 14.8#
4:20							SHUTDOWN / DROP PLUG / W.P.
4:35	6	10				200	DISPLACE w/ 7 1/2% KCL
	6	20				200	
	6	30				200	
	6	40				200	
	6	50				200	
	6	60				200	
	6	70				340	
	6	80				550	
4:52	6	89				830	SLOW RATE TO 2.0BPM @ 630PSI
	2	90				660	
5:00	1.8	99.6				950	LAND PLUG / PRESSURE UP TO 1660PSI
5:02							RELEASE BACK -- FLOAT HELD
							JOB COMPLETE

Size Hole	7 7/8"	Depth	6300'		TYPE	Plug Container	
Size & Wt. Csg.	4 1/2" 10.5#	Depth	6311.91'	New / Used	Packer	Depth	
Landing Press.	708.4psi	Depth			Retainer	Depth	
Shoe Jt.	42.10'	Type			Perfs	CIBP	

Customer Signature: <i>[Signature]</i> 2-4-18	Basic Representative:	Daniel Beck
	Basic Signature:	<i>Daniel Beck</i>
	Date of Service:	2/4/2018

O'Brien Energy Resources, Inc.

Preedy No. 1-9

Section 9, T33S, R29W

Meade County, Kansas

January, 2018

Well Summary

The O'Brien Energy Resources Preedy No. 1-9 was drill to a total depth of 6300' without any problems. It offset the Keystone No. 3-4 by 1220' to the South. Formation tops ran low relative to this offset. The Heebner, Toronto and Lansing ran 12', 11' and 13' low respectively. Thickening occurred in the Lansing and the Marmaton came in 23' low. The Cherokee and Atoka came in 30' low, the Morrow, 28' low. The Mississippi came in 35' low and the Ste. Genevieve and St. Louis, 47' low.

The only significant hydrocarbon show occurred in the Morrow "C" Sandstone(5779'-5786') and consists of a sandstone in 3% of the samples: Light brown, hard to friable in part, very fine upper to fine lower, well sorted, subground grains, clean to argillaceous, tight to good intergranular porosity, occasional vuggy porosity, bright to dull orange gold hydrocarbon fluorescence in all the sandstone, good streaming to bleeding cut, light mottled brown oil stain, no visible live oil, slight odor, good show in a small percentage on samples. A 100 Unit gas kick was documented. This interval came in 28' low to the Keystone No. 3-4.

4 ½" production casing was run to TD on 2/3/18.

Respectfully Submitted,

Peter Debenham

WELL DATA

Operator: O'Brien Energy Resources, Inc., John Forma – Portsmouth, NH
Geologist: Paul Wiemann – Denver, CO

Prospect Geologist: David Ward, Ed Schuett, Denver

Well: Preedy No. 1-9

API: 15-119-21414

Location: 840'FNL & 591'FWL, Section 9, 33S, R29W, Meade Co. Kansas – Southeast of Plains.

Elevation: Ground Level 2632', Kelly Bushing 2645'

Contractor: Duke Drilling Rig No. 7, T.P. Galen Roach, Drillers Todd Elsen, Scott(Skippy) Edwards, James Granger

Company Man: Keith Clumsky

Spud Date: 1/26/18

Total Depth: 2/2/18, Driller 6300', Logger 6298', St. Louis Formation

Casing Program: 36 joints of 8 5/8", J-55, 24Lbs/ft, set at 1532' with 360 sacks A-Con blend(3%cc & ¼ lb flake) tail with 150 sacks Premium Plus(2%cc, ¼ bl Poly Flake), cement did circulate, services by Basic.. Plug down 2:15 PM 1/28. 4 ½" production casing set to TT on 2/3/18.

Mud Program: Winter Mud, engineers Drew Smith, displaced 2600', Chemical gel/LCM.

Wellsite Consultant: Peter Debenham with mudlogging trailer, Call depth 4000', Box 350, Drake, CO 80515, 720/220-4860.

Samples: 30' to 5700', 20' to TD. One set dry cut sent to KGS Sample Log Library.

Electric Logs: Weatherford, engineer Nicholas Rupert, Array Induction, Compensated Neutron/Density, Microlog, Hi Res.

Status: 4 ½" production casing to TD.

WELL CHRONOLOGY

AM Report

<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
1/25			Move to location and rig up rotary tools. Mix spud mud and wait on water.
1/26	690'	690'	Wait on wate and mix mud. Drill rat hole and mouse hole. Spud in 12 ¼" surface hole(5 AM) and drill to 222' and trip for plugged bit. Jet pits and service mud pump. Run surveys(1/4 – ¾ deg.).
1/27	1430'	740'	Bit trip at 882'. Survey(1/2 deg.). Add premix and clean screens and service mud pump at 1077'.
1/28	1536'	106'	To 1536' and circulate. Drop survey(1 ¼ deg.) and trip for surface casing. Run and cement 36 joints of 8 5/8", J-55, 24Lbs/ft, set at 1532' with 360 sacks A-Con blend(3%cc & ¼ lb flake) tail with 150 sacks Premium Plus(2%cc, ¼ bl Poly Flake), cement did circulate, services by Basic.. Plug down 2:15 PM. Wait on cement.
1/29	2590'	1054'	Nipple up and pressure test BOP to 300 Lbs./15 Min. Wait on cement. Drill plug and cement and 7 7/8" hole to 1741' and trip for Bit No. 5. Survey(3/4 deg.). Displace mud system at 2600'.
1/30	3600'	1010'	Service mud pump and survey(1/2 deg.).
1/31	4700'	1100'	Service and survey(1/2 deg.).
2/1	5470'	770'	To 5000' and circulate and wiper trip 25 stands.
2/2	6300'TD	830'	Drill to 6300'TD and circulate. Short trip 30 stands and circulate. Drop survey(1 ¼ deg.) and trip for Elogs. Run Logs.
2/3	TD		Run Logs. Trip in and circulate. Trip out laying down and run and cement 4 ½" production string to TD. Rig down.

BIT RECORD

<u>NO.</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>
1	J2		12 ¼"	882'	882''	16 1/4
2	J2		12 ¼"	1439'	557'	14
3	Smith		12 ¼"	1536'	97'	5 1/2
4	J2		7 7/8"	1741'	205'	6 ½
5	HTC DP506		7 7/8"	6300'	4559'	78 ¾

Total Rotating Hours: 121
Average: 52 Ft/hr

DEVIATION RECORD - degree

300' ¼, 600' ¾, 900' ½, 1500' 1 ¼, 2000' ¼, 2500' ¾, 3000' ¾, 3500' ½, 4000' ¼, 4500' ¾, 6300' 1 ¼

MUD PROPERTIES

<u>DATE</u> <u>LBS/BBL</u>	<u>DEPTH</u>	<u>WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>WL</u>	<u>pH</u>	<u>CL</u>	<u>LCM-</u>
1/25	0'	Pre Spud							
1/26	162'	9.5	42	14	11	nc	7.5	3.5K	6
1/27	921'	9.8	34	8	10	nc	8.0	3.8K	6
1/28	1536'	9.6	43	9	23	nc	8.0	3.8K	6
1/29	1741'	8.6	28	2	1	nc	9.5	2.5K	--
1/30	3170'	8.8	44	12	15	16.4	9.0	5K	3
1/31	4250'	9.2	36	10	8	15.2	9.5	5K	4
2/1	5000'	9.2	38	12	10	11.2	10.5	5K	4
2/2	5803'	9.4	57	24	14	8.8	10.5	4K	5
2/3	6300'	9.3	43	19	5	7.6	10.5	5.5K	4

ELECTRIC LOG FORMATION TOPS- KB Elev. 2598'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Keystone No. 2-4</u>	
			<u>DATUM</u>	<u>POSITION</u>
Casing	1535'			
Heebner	4426'	-1781'	-1769'	-12'
Toronto	4452'	-1807'	-1796'	-11'
Lansing	4570'	-1925'	-1914'	-13'
Marmaton	5218'	-2573'	-2550'	-23'
Cherokee	5394'	-2749'	-2720'	-29'
Atoka	5645'	-3000'	-2970'	-30'
Morrow	5702'	-3057'	-3029'	-28'
"C" SS	5779'	-3134'	-3106'	-28'
Mississippi Chester	5830'	-3185'	-3150'	-35'
Basal Chester	6018'	-3373'	-3337'	-36'
Ste. Genevieve	6060'	-3415'	-3368'	-47'
St. Louis	6160'	-3515'	-3468'	-47'
TD	6300'			

*O'Brien Energy Resources, Keystone No. 3-4, 380' FSL & 729' FWL, Section 4, 33 S, 29W – 1220' to the North., K.B. Elev. 2598'.