Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1071062

Form ACO-1
August 2013
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: Joe 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 ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ 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 ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

10/7/2011	10/13/2011	10/13/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-119-21298-00-00
Spot Description:
_ - _ - NE - NW Sec. 10 Twp. 34 S. R. 30 ☐ East ☑ West
660 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: Eagle Well #: 1-10
Field Name:
Producing Formation: Dryhole
Elevation: Ground: 2681 Kelly Bushing: 2693
Total Vertical Depth: 6300 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1500 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: 2000 ppm Fluid volume: 320 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Dillco Fluid Service, Inc.
Lease Name: Regier License #: 6652
Quarter NE Sec. 17 Twp. 33 S. R. 27 ☐ East ☑ West
County: Meade Permit #: D21232

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: 12/29/2011
☑ **Confidential Release Date:** 12/28/2013
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrison **Date:** 01/04/2012

1071062

Operator Name: O'Brien Energy Resources Corp. Lease Name: Eagle Well #: 1-10

Sec. 10 Twp. 34 S. R. 30 ☐ 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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Induction
Density
MIcro

☑ 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	12.5	8.625	24	1500	Aconn	550	3%CaCl .25#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	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 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: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	Eagle 1-10
Doc ID	1071062

Tops

Name	Top	Datum
Heebner	4470’	-1778’
Toronto	4490’	-1798’
Lansing	4612’	-1920’
Kansas City	5105’	-2413’
Marmaton	5284’	-2592’
Novinger	5312’	-2620’
Cherokee	5462’	-2770’
Atoka	5758’	-3066’
Morrow	5808’	-3116
Mississippi Chester	5900’	-3208’
St. Louis	6246’	-3554’

BASIC ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer: O'Brien Energy	Lease No.:	Date: 10-8-11
Lease: Eagle	Well #: 1-10	Service Receipt: 2145
Casing: 8 5/8 24# / Depth: 1505	County: Meade	State: KS
Job Type: 2 1/2 Surface	Formation:	Legal Description: 10-34-30

Pipe Data		Perforating Data		Cement Data
Casing size: 8 5/8 24#	Tubing Size	Shots/Ft		Lead: 400 sk A-Con 2,95 ft3 sk Blend
Depth: 1509	Depth	From	To	18.10 Gal-sk 11.4#
Volume: 93 bbls	Volume	From	To	Tail in: 150 sk Prem Plus
Max Press: 1500	Max Press	From	To	1.34 ft3 sk
Well Connection: 8 5/8	Annulus Vol.	From	To	6.33 Gal-sk 14.8 #
Plug Depth: ~~1509~~ 1464'	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log: Yard 1000 PM
2300					Arrive On Location
2320					Safety Meeting - Rig Up
2330					Rig Running in Casing
125					Circulate W/ Rig
145					Hook Up To BES
150	1500		1.0	.1	Pressure Test
155	300		210	5.5	Pump Lead cmt @ 11.4#
235	200		36	2.0	Pump Tail cmt @ 14.8#
255					Drop Plug - Wash Up
300	300		86	5.5	Displace
320	600		10	1.0	Slow Down - Displace
330	1000		.1	.1	Land Plug - Float Held
					Cement To Surface
					Job Complete
					Thanks For Using Basic Energy Services

Service Units	19820	27462	30611 · 19808	19828-19883		
Driver Names	I Chavez	Adan	Victor	Santiago		

Roger
Customer Representative

Tony Bevill
Station Manager

Ismael Chavez
Cementer

Taylor Printing, Inc.

BASIC ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer O'Brien Energy		Lease No.		Date 10/14/11	
Lease Earl		Well # 1-10		Service Receipt	
Casing	Depth	County Meade		State KS	
Job Type PTA	Formation		Legal Description 10-34-30		

Pipe Data		Perforating Data		Cement Data
		Shots/Ft		Lead 170 sx 60/40 Poz @ 13.5# 4% Gel 1.50 ft 7.50 gal
Casing size	Tubing Size 4 1/2 DP			
Depth	Depth	From	To	
Volume	Volume	From	To	
Max Press	Max Press	From	To	Tail in
Well Connection	Annulus Vol.	From	To	
Plug Depth	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumbed	Rate	Service Log
0100					On loc. spot trucks
03 04		0	10	4	Pump H2O spcr @ 1530'
03 10		0	13.5	4	Mix 50 sx 60/40 poz
03 13		0	2	4	Pump H2O
03 24		0	10	4	Pump Mud
04 00		0	10	4	H2O Spcr @ 630'
04 07		0	13.5	4	Mix 50 sx
[illegible]		0			H2O spcr
05 20		0	5	2	Plug at 60'
05 30		0			Plug RH
05 3[illegible]		0			Job Complete
					Thank You
					Chad & Crew

Service Units	19848	20463 19843	19874 19966			
Driver Names						

Roger Dansel
Customer Representative

Sam Barnett
Station Manager

Chad Alvarez
Cementer

Taylor Printing, Inc.

O'Brien Energy Resources, Inc.
Eagle No. 1-10
Section 10, T34S, R30W
Meade County, Kansas
October, 2011

Well Summary

The O'Brien Energy Resources, Corporation, Eagle No. 1-10 wildcat was drilled to a total depth of 6300' in the Mississippi St. Louis Formation with no unusual problems and in a total of 128 rotating hours. It offset the No. 1 Wendell by approximately 200' to the Northeast. The Heebner to the Cherokee Formations ran 20' to 40' low relative to this offset. The Morrow came in 10' low and the Chester ran even.

Minor hydrocarbon shows occurred in the Cherokee. The most notable show occurred in the Lower Chester from 6164' to 6175' and consists of a Limestone: Medium mottled brown, finely crystalline, dense, brittle, very sandy, poor visible porosity, dull gold brown hydrocarbon fluorescence in 15% of the samples, slow steaming to occasionally fast streaming cut, brown matrix oil stain and traces of heavy dark live oil. An 80 Unit gas increase occurred on the hotwire.

This show is characteristic in the area and of very low permeability.

No well developed Morrow or Chester Sandstones were noted and the Eagle No. 1-10 was plugged and abandoned 10/13/11.

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
Well:	Eagle No. 1-10, wildcat
API No.:	15-119-21298
Location:	660' FNL & 1980' FWL, Section 10, T34S, R30W, Meade County, Kansas – 12 miles South of Plains
Elevation:	Ground Level 2681', Kelly Bushing 2692'
Contractor:	Duke Drilling Rig No. 6, Type: Double jacknife, triple stand, Toolpusher Rick Schollenbarger, Drillers: Terry , Danny White,
Company Man:	Roger Pearson – Liberal, Kansas
Spud Date:	10/7/11
Total Depth:	10/13/11, Driller 6300', Logger 6292', Mississippi St. Louis
Casing Program:	34 joints of 8 5/8", J55, 24Lbs/ft, set at 1505' with 350 sacks Class C – did circulate.
Mud Program:	Winter Mud, engineer Adam Norris, displaced 2600'.
Wellsite Consultant:	Peter Debenham with mudlogging trailer, Call depth 4200', Box 350, Drake, CO 80515, 720/220-4860.
Samples:	30' & 20' to TD. Sample cut sent to KGS sample Log Library.
Electric Logs:	Weatherford, Engineer A. Giambalvo, 1) Array Induction, 2) Neutron/Density, 3) Microlog
Status:	Plugged and abandoned 10/13/11 with 40 sacks cement set at 1490', 50 sacks at 720', 40 sacks at 410', 20 sacks at 60', 30 sacks in rat hole and 20 sacks in the mouse hole.

WELL CHRONOLOGY

DATE	8 PM DEPTH	FOOTAGE	RIG ACTIVITY
10/6	40’		Move to location and rig up rotary tools. Conductor pipe previously set at 40’
10/7	1505’	1465’	Mix spud mud and drill to 1505’ and circulate. Surveys(1/2 deg.).
10/8	1880’	375’	Trip out for casing and rig up and run 34 joints of 8 5/8” surface casing set at 1505’ and circulate 550 sacks Class C – did circulate to surface. Plug down 3:30 am. Wait on cement. Nipple up BOP and trip in and pressure test BOP. Drill plug and cement and 7 7/8” hole to 1880’ and trip for Bit no. 3. Surveys(3/4 deg.).
10/9	3385’	1505’	Surveys(1/2 – ¾ deg.). Drilling. Displace mud system at 2600’.
10/10	4705’	1320’	Survey(3/4 deg.).
10/11	5560’	855’	Survey(3/4 deg.) and clean suction and service rig. To 5013’ and wiper trip 27 stands. To 5560’.
10/12	6090’	530’	To 5790’ and trip for plugged bit. To 6090’.
10/13	6300’TD	210’	To 6300’TD and circulate. Short trip and circulate. Trip for logs and run Elogs. Plug and abandon well. Rig down.

BIT RECORD

NO.	MAKE	TYPE	SIZE	OUT	FOOTAGE	HOURS
1	HTC	EDS	12 ¼”	1505’	1465’	21 ¾
2	HTC	RR	7 7/8”	1755’	250’	5
3	HTC	Q506F	7 7/8”	6300’	4545’	101
				Total Rotating Hours:		127 3/4
				Average:		49 Ft/hr

DEVIATION RECORD - degree

503’ ½, 1035’ ½, 1505’ ¾, 1756’ ¾, 2287’ ¾, 2599’ ½, 3008’ ¾, 4074’ ¾, 4919’ 1, 6300’ 1

MUD PROPERTIES

DATE	DEPTH	WT	VIS	PV	YP	pH	WL	CL	LCM-LBS/BBL
10/7	879’	9.6	42	9	17	7.5	nc	1900	4
10/9	2726’	8.8	41	8	22	9.0	28	10K	4
10/10	4258’	9.2	55	17	11	9.0	14	7.5K	6
10/11	5138’	9.2	47	13	6	10.5	10	5.5K	6
10/12	5793’	9.1	60	21	18	11.0	6.8	4.1K	8
10/12	6300’	9.3	90	30	25	11.0	8.0	2K	8

ELECTRIC LOG FORMATION TOPS- KB Elev. 2499’

FORMATION	DEPTH	DATUM
Surface casing	1500’	
Heebner	4470’	-1778’
Toronto	4490’	-1798’
Lansing	4612’	-1920’
Kansas City	5105’	-2413’
Marmaton	5284’	-2592’
Novinger	5312’	-2620’
Cherokee	5462’	-2770’
Atoka	5758’	-3066’
Morrow	5808’	-3116
Mississippi Chester	5900’	-3208’
Ste. Genevieve	6184’	-3492’
St. Louis	6246’	-3554’
TD	6300’	

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

December 29, 2011

Joe Forma
O'Brien Energy Resources Corp.
18 CONGRESS ST, STE 207
PORTSMOUTH, NH 03801-4091

Re: ACO1
API 15-119-21298-00-00
Eagle 1-10
NW/4 Sec.10-34S-30W
Meade County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Joe Forma