



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1139596  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

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       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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1139596

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

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				

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 <i>(Amount and Kind of Material Used)</i>	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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	Ardrey 2-2
Doc ID	1139596

Tops

Name	Top	Datum
Heebner	4500	-1947
Toronto	4521	-1968
Lansing	4674	-2121
KC	4886	-2333
Stark SH	5059	-2506
BKC	5174	-2621
Cherokee	5356	-2803
Morrow	5438	-2875
Mississippi Chester	5492	-2939

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



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

May 31, 2013

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

Re: ACO1  
API 15-025-21559-00-00  
Ardrey 2-2  
NE/4 Sec.02-31S-24W  
Clark 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,

Joseph Forma  
Vice President  
O'Brien Energy Resources Corp.

**Cement Report**

Customer	O'Brien Energy		Lease No.		Date	4-7-13	
Lease	Andrew		Well #	2-2	Service Receipt	04103	
Casing	8 5/8" 24'		County	Clark	State	KS	
Job Type	242-8 5/8" Surface		Formation		Legal Description	2-31-24	
<b>Pipe Data</b>				<b>Perforating Data</b>		<b>Cement Data</b>	
Casing size	8 5/8" 24'		Tubing Size	Shots/Ft		Lead 150 sk	
Depth	730'		Depth	From	To	A-Con	
Volume	Disp-44 bbl		Volume	From	To		
Max Press	1500#		Max Press	From	To	Tail in 150 sk	
Well Connection	TD-720'		Annulus Vol.	From	To	Class C	
Plug Depth	SI-42'		Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log		
5:00					on loc-site assessment		
5:00					spot trucks - rig up		
7:00					CSG on bit, break circ		
7:15					safety meeting / ISA		
7:45					pressure test 2000#		
7:45			78.8	4	mix & pump 150 sk A-Con w/ 3% Calcium chloride, 1/4# polyflake, 2% WAI @ 11.4 ppq - 2.95 ft 3/4 sk		
8:05			35.8	4	switch to tail 150 sk Premium/ common w/ 2% Calcium chloride 1/4# polyflake @ 14.8 ppq - 1.34 ft 3/4 sk		
8:15	0		0	4	drop plug, disp CSG		
8:20			20	2	slow rate		
8:25			30	1	slow rate		
8:30			44	0	hard plug, float held circ. out to surface job complete		
Service Units	34726	27462	14355-37725				
Driver Names	A Overa	J Grijalva	C Garcia				

R Pearson

J Bennett

A Overa

Customer Representative

Station Manager

Cementer



**O'Brien Energy Resources, Inc.**

**Ardrey No. 2-2, Ardrey Field**

**Section 2, T31S, R24W**

Clark County, Kansas

April, 2013

**Well Summary**

The O'Brien Energy Resources, Corporation, Ardrey No. 2-2 was drilled to a total depth of 5750' in the Mississippian Chester Formation. It offset the Ardrey No. 1-2 to the Southeast. Formation tops came in low relative to this offset. The Toronto, Lansing and Kansas City came in 2' low. Thickening occurred and the Stark shale ran 7' low. The Base of the Kansas City and Cherokee came in 8' and 12' low. The Morrow 2' low and the Chester 12' low.

No hydrocarbon shows or significant gas increase occurred during the drilling of this test and Ardrey No. 2-2 was plugged and abandoned On 4/13/13.

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: Ardrey No. 2-2, Ardrey Field

Location: 1485' FNL & 2310' FEL, Section 2, T31S, R24W, Clark County, Kansas  
– Southeast of Minneola

Elevation: Ground Level 2541', Kelly Bushing 2553'

Contractor: Duke Drilling Rig No. 6, Type: Double jackknife, triple stand, Toolpusher  
Rick Schollenbarger, Drillers: Danny White, Saul Garcia, Darryl  
LeRocher

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 4/6/13

Total Depth: 4/12/13, Driller 5750', Logger 5748', Mississippi Chester

Casing Program: 17 joints of 8 5/8", J55, 24Lbs/ft, set at 730' with 300 sacks A-Com(2%cc,  
4%floseal).

Mud Program: Service Mud/Mud-Co, Engineer Justin Whiting, Chemical/gel, displaced  
3619'.

Wellsite Consultant: Peter Debenham with mudlogging trailer, Call depth 3000', Box 350,  
Drake, CO 80515, 720/220-4860.

Samples: 30' to 5400', 10' to TD.

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

Status: Plugged and abandoned.





Average:  
Ft/hr

60

**DEVIATION RECORD - degree**

495' <sup>1</sup>/<sub>4</sub>, 730' <sup>1</sup>/<sub>4</sub>, 1491' <sup>1</sup>/<sub>2</sub>, 3021' <sup>3</sup>/<sub>4</sub>, 3617' <sup>3</sup>/<sub>4</sub>, TD <sup>3</sup>/<sub>4</sub>

**MUD PROPERTIES**

<u>DATE</u>	<u>DEPTH</u> <u>LCM-LBS/BBL</u>	<u>WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>pH</u>	<u>WL</u>	<u>CL</u>
4/7	739'	Make up water						
4/8	2406'	9.7	33			7.0		90K 0
4/9	4076'	8.9	45	16	12	10.0	8.0	5K 2
4/10	4935'	9.2	46	13	13	9.5	13.6	8.4K 2
4/11	5325'	9.25	45	13	15	9.0	11.6	9.8K 2
4/12	5750'	9.25	53	16	18	9.5	11.6	9.8K 2

**ELECTRIC LOG FORMATION TOPS- KB Elev. 2553'**

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Ardrey 1-2</u> <u>DATUM</u>	<u>POSITION</u>
Casing	728			
Heebner	4500'	-1947'		
Toronto	4521'	-1968'	-1966'	-2'
Lansing	4674'	-2121'	-2119'	-2'
KC	4886'	-2333'	-2331'	-2'
Stark SH	5059'	-2506'	-2499'	-7'
BKC	5174'	-2621'	-2613'	-8'
Cherokee	5356'	-2803'	-2791'	-12'
Morrow	5438'	-2875'	-2873'	-2'
Mississippi Chester	5492'	-2939'	-2916'	-23'
TD	5750'	-3129'		

\*Ardrey No. 1-2, to the NW., K. B. Elev. 2553'.