



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1125057
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: _____



1125057

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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	Clayton 1-33
Doc ID	1125057

Tops

Name	Top	Datum
Heebner	4426	-1851
Toronto	4458	-1883
Lansing	4586	-2011
Marmaton	5244	-2669
Cherokee	5438	-2863
Atoka	5628	-3053
Morrow	5757	-3182
Morrow "B" SS	5800	-3225
Mississippi Chester	5846	-3271
St. Louis	6308	-3733

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

April 04, 2013

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

Re: ACO1
API 15-119-21334-00-00
Clayton 1-33
NE/4 Sec.33-33S-29W
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
Vice President
O'Brien Energy Resources Corp.

O'Brien Energy Resources, Inc.
Clayton No. 1-33
Section 33, T33S, R29W
Meade County, Kansas
January, 2013

Well Summary

The Clayton no. 1-33 was drilled to a total depth of 6413' in the St. Louis Formation without any problems. One of the closest offsets was the Larrabee No. 1-14, approximately 4600' to the South. Formation tops ran high relative to this well. The Heebner, Toronto and Lansing ran 31', 25' and 39' high respectively. The Cherokee, Atoka and Morrow came in 29', 32, and 38' high. The Mississippi, 21' high and Ste. Genevieve 9' high.

A Rickers Ranch Sandstone equivalent occurred from 5938' to 6050' and consists of a Sandstone in a very small percentage of samples(2%): Medium to dark brown with matrix oil staining, friable, fine well sorted subround grains, siliceous cement, slightly calcareous, clean, excellent intergranular porosity, even orange hydrocarbon fluorescence in all the sand, excellent streaming cut, excellent medium brown oil stain and trace of live oil. A 400 Unit gas kick was recorded. The small percentage of sand clusters in samples are a reflection of it being very friable, 20% porosity is noted on logs.

Additional shows occurred in the Lower Chester(attached mudlog) and with an associated 350 to 220 Unit gas kicks.

An excellent show occurred from a single cluster of sandstone in the Morrow from 5800' to 5810' and consists of a Sandstone: Salt and pepper, speckled green, clear, white, friable, fine upper, well sorted grains, clean, glauconitic, fair intergranular porosity, medium even brown oil stain with good hydrocarbon fluorescence and excellent cut. A 200 Unit gas increase was noted.

4 ½" production casing was run of the Clayton No. 1-33 on 1/21/13 to production test the shows mentioned above.

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 and Dave Ward

Well: Clayton No. 1-33, Mohler Field

API No.: 15-119-21334

Location: 990' FNL & 1650' FEL, Section 33, T33S, R29W, Meade County, Kansas – South of Meade.

Elevation: Ground Level 2563', Kelly Bushing 2575'

Contractor: Duke Drilling Rig No. 6, Type: Double jackknife, triple stand, Toolpusher Rick Schollenbarger, Drillers: Danny White, Brett and Juan

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 1/15/2013

Total Depth: 1/20/2013, Driller 6413', Logger 6412', Chester Fm.

Casing Program: 39 joints of 8 5/8", J55, 24Lbs/ft, set at 1480'. 4 1/2" production casing to TD.

Mud Program: Mud Co./Service Mud Inc., Engineer Tony Maestas, mud up 2619'.

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

Samples: 30' to 4700', 20' to 5200', 10' to TD. Dry sample cut sent to KGS Sample Log Library – Wichita, kS.

Electric Logs: Weatherford, engineer Lynn Scott, 1)Array Induction, 2)Photo Density/Neurton, 3) Microlog – High Res. repeat section.

Status: 4 1/2 " production casing to TD on 1/21/2013.

WELL CHRONOLOGY

<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
1/14			Move to location and rig up rotary tools. Mix spud mud.
1/15	1150'	1150'	Spud in 12 ¼" surface hole to 1150. Survey(1/2 deg.).
1/16	1480'	330'	To 1480' and circulate and trip and run and cement 8 5/8" surface casing set at 1480' – did circulate. Back off and nipple up BOP. Trip in and drill plug and cement. Pressure test BOP to 600 PSI/15 minutes. Safety meeting.
1/17	3210'	1730'	Survey(1/2 deg.). Displace mud system at 2619'.
1/18	4830'	1620'	Drill and survey(1/2 deg.).
1/19	5940'	1110'	To 5000' and circulate and run wiper trip. To 5940'.
1/20	6413'TD	473'	6413'TD and circulate and service rig. Short trip 35 stands and circulate and condition mud. Safety meeting. Trip for logs and run same. Trip to bottom and circulate.
1/21	TD to TD. Rig down		Trip out laying down and run and cement 4 ½" production casing

BIT RECORD

<u>NO.</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>
1	HTC	MXC1	12 ¼"	1480'	1480'	23 ¼
2		MI 616	7 7/8"	6413'	4933'	76
Total Rotating Hours:						99.25
Average:						65 ft/hr

DEVIATION RECORD - degree

1993' ½, 3998' ½, TD ½

MUD PROPERTIES

<u>DATE</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-LBS/BBL</u>
1/15	535'	9.4	44	8	15	NC	8.0	2.2K	8
1/16	1480'	8.3	27	-	-	NC	6.0	1.5K	-
1/17	2250'	8.5	27	1	3	NC	8.0	2.3K	-
1/18	4165'	9.1	44	15	10	14.0	9.5	6.2K	6
1/19	5333'	9.0	46	15	5	10.0	9.5	4.5K	8
1/20	6414'	9.2	55	19	10	6.0	9.5	3.4K	8

ELECTRIC LOG FORMATION TOPS- KB Elev. 2575'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Larrabee No. 1-14</u>	
			<u>DATUM</u>	<u>POSITION</u>
Surface casing	1480'			
Heebner	4426'	-1851'	-1882'	+31'
Toronto	4458'	-1883'	-1908'	+25'
Lansing	4586'	-2011'	-2050'	+39'
Marmaton	5244'	-2669'	-2682'	+13'
Cherokee	5438'	-2863'	-2892'	+29'
Atoka	5628'	-3053'	-3085'	+32'
Morrow	5757'	-3182'	-3220'	+38'
Morrow "B" SS	5800'	-3225'		
Mississippi Chester	5846'	-3271'	-3292'	+21'
Ste. Genevieve	6242'	-3667'	-3676'	+9'
St. Louis	6308'	-3733	NDE	
TD	6413'	-3838'		

*O'Brien Energy, Larrabee No. 1-14, 330'FNL & 1320'FEL, Section 4, 34S, 29W, K.B. Elevation 2550', app. 4600' to the South.



BASICSM
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <i>O'Brien Energy</i>	Lease No.	Date <i>1/16/13</i>
Lease <i>Clayton</i>	Well # <i>1-33</i>	Service Receipt
Casing <i>8 5/8"</i>	Depth <i>1480'</i>	County <i>Meade</i> State <i>KS</i>
Job Type <i>surface</i>	Formation	Legal Description <i>33-33-29</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>8 5/8</i>	Tubing Size	Shots/Ft		Lead <i>400 SK A-67</i>
Depth <i>1480'</i>	Depth	From	To	@ <i>11.4#</i>
Volume <i>91.5</i>	Volume	From	To	<i>2.95 18.10</i>
Max Press <i>1500</i>	Max Press	From	To	Tail in <i>150 SK R.P.</i>
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	@ <i>14.8#</i>
Plug Depth	Packer Depth	From	To	<i>1.34 6.33</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>06:00</i>					<i>on loc, spot trucks, R.U., Safety mtg</i>
<i>09:38</i>	<i>2000</i>				<i>Test Lines</i>
<i>09:43</i>	<i>300</i>		<i>0</i>	<i>5</i>	<i>Start mixing @ 11.4#</i>
<i>10:17</i>	<i>300</i>		<i>0</i>	<i>5</i>	<i>on tail @ 14.8#</i>
<i>10:45</i>	<i>0</i>		<i>36</i>	<i>0</i>	<i>Finished Mixing</i>
<i>10:49</i>	<i>0</i>		<i>0</i>	<i>5</i>	<i>Start Disp, Washup on Plug</i>
<i>11:11</i>	<i>350</i>		<i>71</i>	<i>2</i>	<i>Slow Rate</i>
<i>11:16</i>	<i>450</i>		<i>41</i>	<i>1</i>	<i>Slow Rate</i>
<i>11:26</i>	<i>1030</i>		<i>91.5</i>	<i>0</i>	<i>Plug Down</i>
					<i>Job Complete</i>

Service Units	<i>176939</i>	<i>3722337726</i>	<i>1433419578</i>	<i>2760814284</i>
Driver Names	<i>C. Hinz</i>	<i>R. Dick</i>	<i>S. Chavez</i>	<i>V. Vasquez</i>

Rock Pearson
Customer Representative

Jerry Bennett
Station Manager

Chad Hinz
Cementer

Taylor Printing, Inc.



Cement Report

Customer <i>O'Brien Energy</i>		Lease No.		Date <i>1-21-13</i>	
Lease <i>Clayton</i>		Well # <i>1-33</i>		Service Receipt	
Casing		Depth		County <i>Meade</i>	
Job Type <i>4 1/2 Production</i>		Formation		State <i>KS</i>	
Legal Description <i>33-33-29</i>					
Pipe Data			Perforating Data		Cement Data
Casing size <i>4 1/2 10.5</i>	Tubing Size		Shots/Ft		Lead <i>50sk 60/40</i>
Depth <i>6395 ft</i>	Depth	From	To		Tail in <i>200 5/8 MN-2</i> <i>5% W60, 10% Salt,</i> <i>.6% C-15, 1/4" Defoamer</i> <i>5# Gilsontite</i>
Volume <i>101</i>	Volume	From	To		
Max Press	Max Press	From	To		
Well Connection	Annulus Vol.	From	To		
Plug Depth <i>6353 ft</i>	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1400</i>					<i>On Location - Spot & Rig up</i>
<i>1400</i>					<i>Casing on bottom - Break Circulation</i>
<i>1413</i>					<i>Safety Meeting</i>
<i>1435</i>					<i>Pressure Test</i>
<i>1437</i>		<i>400</i>	<i>54</i>	<i>5</i>	<i>Mix 200sk AA-2 @ 14.8 PPG</i>
<i>1449</i>					<i>Shut Down - Drop plug - Clean Lines</i>
<i>1453</i>		<i>100</i>	<i>0</i>	<i>5.5</i>	<i>Displace w/ 101 BBL</i>
<i>1512</i>		<i>300</i>	<i>66</i>	<i>4</i>	<i>Displacement Reaches Cement</i>
<i>1511</i>		<i>600</i>	<i>91</i>	<i>2</i>	<i>Slow Rate</i>
<i>1516</i>		<i>100-1200</i>	<i>101</i>		<i>Bump plug</i>
<i>1518</i>		<i>1200-0</i>			<i>Release Pressure - Float Held</i>
<i>1600</i>					<i>Plug Ret & Mouse w/ 50sk 60/40 @ 13.5</i>
Service Units	<i>21755</i>	<i>38119/19919</i>	<i>19827/19366</i>		
Driver Names	<i>Kirby</i>	<i>Ed M</i>	<i>Ed B</i>		

Customer Representative

Scott Bennett
Station Manager

Kirby Harper
Cementer