

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1081436
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: _____

1081436

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
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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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	Vail Offset 3-30
Doc ID	1081436

Tops

Name	Top	Datum
Heebner	4462'	-1811'
Toronto	4492'	-1841'
Lansing	4620'	-1969'
Marmaton	5266'	-2615'
Cherokee	5422'	-2771'
Atoka	5710'	-3059'
Morrow	5764'	-3113'
Mississippi	5912'	-3261'
Ste. Genevieve	6150'	-3499'
St. Louis	6244'	-3593'

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

May 24, 2012

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

Re: ACO1
API 15-119-21313-00-00
Vail Offset 3-30
NE/4 Sec.30-33S-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.



BASICTM
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <i>Whelan Energy P1302</i>		Lease No.		Date <i>3-1-17</i>	
Lease <i>Val-O-Cut 2</i>		Well # <i>212 30</i>		Service Receipt <i>7477</i>	
Casing <i>8 3/4 24</i>	Depth <i>1107</i>	County <i>Wade</i>		State <i>KS</i>	
Job Type <i>700 5-1-16</i>		Formation		Legal Description <i>30-33-79</i>	
Pipe Data			Perforating Data		Cement Data
Casing size <i>8 3/4 24</i>	Tubing Size <i>7 7/8</i>	Shots/Ft		Lead <i>100sk A Con</i>	
Depth <i>1495</i>	Depth <i>5542</i>	From	To	<i>2951-54</i>	
Volume <i>930K</i>	Volume	From	To	<i>18.16 sk 511 11.4</i>	
Max Press <i>1980</i>	Max Press	From	To	Tail in <i>150sk A Con</i>	
Well Connection <i>3 5/8</i>	Annulus Vol.	From	To	<i>1344-5K 10.5</i>	
Plug Depth <i>11151</i>	Packer Depth	From	To	<i>636 sk 14.8#</i>	
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7000					<i>Arrive On location</i>
7010					<i>Set by Macky Miller</i>
7230					<i>Discharge Cement</i>
115					<i>Calculate 44M</i>
1415					<i>Hook up to BES</i>
145	1400		10	1	<i>Pressure Test</i>
150	400		710	6.2	<i>Pump Lead out @ 11.4#</i>
230	300		310	6.0	<i>Pump Tail out @ 14.8#</i>
245					<i>Discharge Plug Wash Up</i>
250	200		93	6.0	<i>Discharge</i>
310	600		10	2.0	<i>Slow Down Discharge</i>
315	1100		1	1	<i>Land Plug - Plug Hold</i>
					<i>Arrive To Surface</i>
					<i>Job Complete</i>
					<i>Thanks For Using Basic Energy Services</i>
Service Units	<i>19570</i>	<i>20462</i>	<i>23021-19905</i>	<i>19928-19980</i>	
Driver Names	<i>Chavez</i>	<i>Edwards</i>	<i>Harmon</i>	<i>Hunter</i>	

Proyer
Customer Representative

Sam Bennett
Station Manager

Isabel Chavez
Cementer



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <i>O'Brien Energy</i>			Lease No.		Date <i>3-8-12</i>	
Lease <i>Vail Offset</i>			Well # <i>3-30</i>		Service Receipt <i>1717 02628</i>	
Casing <i>4 1/2 11.6"</i>		Depth <i>6365</i>		County <i>Mede</i>		State <i>Ks</i>
Job Type <i>Z42 4 1/2 L.S.</i>		Formation		Legal Description <i>30 33 29</i>		
Pipe Data				Perforating Data		Cement Data
Casing size <i>4 1/2 11.6"</i>		Tubing Size		Shots/Ft		Lead
Depth <i>6365</i>		Depth		From To		<i>See Call sheet</i>
Volume		Volume		From To		
Max Press		Max Press		From To		
Well Connection		Annulus Vol.		From To		Tail in
Plug Depth		Packer Depth		From To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log	
<i>14:00</i>					<i>on loc. / Held Safety Meeting</i>	
					<i>Start Csg.</i>	
<i>17:30</i>					<i>Csg on Bottom Cir. w/ Rig</i>	
					<i>TP: 6365 SJ: 45</i>	
<i>17:49</i>	<i>3200</i>				<i>Test Pump + Lines</i>	
<i>17:51</i>	<i>300</i>		<i>12</i>	<i>5.3</i>	<i>Start Mud Flush</i>	
<i>18:54</i>	<i>350</i>		<i>47</i>	<i>5.3</i>	<i>Start CMT 175sk @ 14.8"</i>	
<i>18:08</i>					<i>Shutdown + Wash up</i>	
<i>19:09</i>					<i>Drop Plug</i>	
<i>18:14</i>	<i>200</i>		<i>0</i>	<i>7</i>	<i>Start Disp. w/ 1gal/1000gal CC-1</i>	
<i>18:26</i>	<i>750</i>		<i>90</i>	<i>2</i>	<i>Slow Rate</i>	
<i>18:29</i>	<i>1250</i>		<i>98</i>	<i>2</i>	<i>Bump Plug</i>	
<i>18:30</i>	<i>0</i>		<i>98</i>	<i>0</i>	<i>Release / float Held</i>	
<i>18:35</i>					<i>Rig Down Head + Wait on Rig</i>	
<i>19:14</i>	<i>200</i>		<i>5</i>	<i>3</i>	<i>Plug Mouse Hole w/ 20sk @ 13.5"</i>	
<i>19:19</i>	<i>200</i>		<i>8</i>	<i>3</i>	<i>Plug Rat Hole w/ 30sk @ 13.5"</i>	
<i>19:23</i>					<i>Shutdown + Knock Loose</i>	
<i>19:25</i>					<i>Wash Pump + Lines</i>	
<i>19:30</i>					<i>End Job</i>	
	<i>825</i>				<i>Pressure Before Plug Landed</i>	
Service Units		<i>21755</i>	<i>3811919842</i>	<i>14355 14284</i>		
Driver Names		<i>Cochran</i>	<i>Mendoza</i>	<i>SwaHord</i>		

R. Pearson
Customer Representative

J. Bennett
Station Manager

M. Cochran
Cementer

O'Brien Energy Resources, Inc.
Vail Offset No. 3-30, Singley Field
Section 30, T33S, R29W

Meade County, Kansas

February, 2012

Well Summary

The O'Brien Energy Resources, Vale Offset No. 3-30 was drilled as a wildcat to a total depth of 6370' in the Mississippian St. Louis Formation. One of the closest offsets was the Vail No. 2-30, approximately 4000' to the Northwest. Formation tops came in low relative to this offset. The Toronto, Lansing and Marmaton ran 26', 20' and 30' low respectively. The Cherokee and Atoka came in 26' low and the Morrow, 16' low. The Chester ran 58' low and the Ste. Genevieve and St. Louis, 32' and 38' low. Formation tops ran similarly low relative to the Vale No. 1-30, to the Southwest. The Morrow came in 24' low.

Formation tops ran generally even to high relative to the Singley West No. 3-29, approximately 2000' to the Northeast. The Morrow ran 15' high and the Chester came in 21' low.

Several excellent hydrocarbon shows were documented during the drilling of this well. An Upper Morrow "A" Sandstone (5792'-5802') consists of excellent porosity from 18 to 26 percent. A 160 Unit gas increase was noted and with just a weak show in a small percentage of samples noted in a tight sandstone. It is thought that this Sand was too friable to have been noted in samples and that just a trace of the tighter sand survived.

An excellent oil show occurred in either the Morrow "B" or "C" Sandstone interval(5841' - 5850') and consists of a Sandstone in 35% of the samples: Medium to light mottled brown, white to clear and occasionally salt and pepper with glauconite, hard to friable, very fine upper, well sorted, subround grains, siliceous cement, calcareous, clean, carbonaceous inclusions, pyritic in part, tight to fair intergranular and trace vuggy porosity, very bright light yellow to orange hydrocarbon fluorescence(all sandstone), excellent fast streaming cut, light brown matrix oil stain, live oil and gas bubbles when crushed, strong oil odor. A 350 Unit gas kick occurred. Porosity of 13% to 18% is noted on logs.

A hydrocarbon show with an associated 240 Unit gas increase occurred from a lower Morrow "D" Sandstone from 5901' to 5912': Medium to light brown, hard, dense to trace intergranular porosity, siliceous and clay cement, calcareous, pale blue to light yellow fluorescence, fair cut oil stain and slight odor.

Additional minor shows occurred in the Chester.

4 1/2" production casing was run on the Vale Offset No. 3-30 on 3/8/12 for the above mentioned shows.

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

Well: Vail Offset No. 3-30, Singley Field

Location: 2308' FNL & 335' FEL, Section 30, T33S, R29W, Meade County, Kansas – East of Plains.

Elevation: Ground Level 2639', Kelly Bushing 2651'

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

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 2/28/12

Total Depth: 3/7/12, Driller 6370', Logger 6371', Mississippian St. Louis

Casing Program: 37 joints of 8 5/8", J55, 24Lbs/ft, set at 1495'. 4 1/2" production casing to TD.

Mud Program: Winter Mud, engineer K.L. Rice, displaced 2600' with Chemical Gel/LCM.

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

Samples: 30' to 4700', 20' to TD, 10' through zones of interest. One dry cut sent to KGS Sample Log Library, Wichita.

Electric Logs: Weatherford, engineer Anthony Giambalvo, 1)Dual Induction 2) Compensated Neutron Litho Density 3) Microlog

Status: 4 1/2 " production casing to TD on 3/8/12.

WELL CHRONOLOGY

<u>6 AM</u>	<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
	2/28	165'	165'	Move to location and rig up rotary tools. Mix spud mud. Drill rathole and mousehole. Spud in 12 1/4" surface hole to 165'.
	2/29	1495'	1330'	Survey(1 deg.) and service rig. To 1495' and circulate. Drop survey(1 deg.) and trip out for surface casing.
	3/1	1785'	290'	Rig up casing crew and run and cement 37 joints of 8 5/8" casing set at 1495' with 400 sacks Lite and 150 Class C tail. Cement did circulate. Plug down 3 am. Wait on cement. Back off 8 5/8" and nipple up BOP and pressure test to 500 PSI. Trip in and drill plug and cement and shoe and new 7 7/8" hole to 1750' and trip for Bit No. 3. Survey(1 deg.) and drill to 2970'.
	3/2	2970'	1185'	Service mud pumps. Survey(3/4 deg.). Displace hole at 2600' and drill to 2970'.
	3/3	4125'	1155'	
	3/4	5009'	884'	Service rotary table and rig. Clean suction. To 5009' and circulate and wiper trip 27 stands. Survey(3/4 deg.) and clean suction and change fuel filters on draw works.
	3/5	5755'	746'	Trip in and drill to 5755'.
	3/6	6255'	500'	Repair rotary chain and service rig. To 6255' and drop survey(1/2 deg.) and trip out for Bit No. 4. Service clutch.
	3/7	6370'TD	115'	Service clutch. Trip in with Bit No. 4 breaking circulation and drill to 6370'TD and circulate. Trip for logs and run elogs.
	3/8	TD		Logging(LTD 12:00 am). Trip in and break circulation at 3000' and 5000' and TD and trip out laying down and run and cement 4 1/2" production casing 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	HTC	MXCI	12 1/4"	1495'	1495'	23 1/2
2	STC	F27I	7 7/8"	1750'	255'	4 1/2
3	HTC	HC5062	7 7/8"	6255'	4505'	107 3/4
4	STC	F27I	7 7/8"	6370'	115'	11
Total Rotating Hours:						146 3/4
Average:						43.4 Ft/hr

DEVIATION RECORD - degree

1495' 1, 1750' 1, 2534' ¾, 4538' ¾, 6370' 1

MUD PROPERTIES

<u>DATE</u>	<u>DEPTH</u>	<u>WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>pH</u>	<u>WL</u>	<u>CL</u>	<u>LCM-LBS/BBL</u>
2/28	Water								
2/29	1020'	9.1	34				N/C		20
3/1	1500'	8.3	Water						
3/2	2645'	8.6	55	20	30	10.5	16.0	8.5K	4
3/3	3720'	8.3	45	12	14	10.5	16.0	10K	4
3/4	4665'	9.0	45	10	10	10.0	12.0	4K	6
3/5	5468'	8.9	48	18	14	11.0	8.0	4K	6
3/6	6246'	8.9	45	14	10	11.0	6.0	2.4K	6
3/7	6370'	8.9	52	18	14	11.0	6.0	2K	6

ELECTRIC LOG FORMATION TOPS- KB Elev. 2679'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Vale No. 2-30</u>	
			<u>DATUM</u>	<u>POSITION</u>
Surface csg	1495'			
Heebner	4462'	-1811'	-1797'	-14'
Toronto	4492'	-1841'	-1815'	-26'
Lansing	4620'	-1969'	-1949'	-20'
Marmaton	5266'	-2615'	-2585'	-30'
Cherokee	5422'	-2771'	-2745'	-26'
Atoka	5710'	-3059'	-3033'	-26'
Morrow	5764'	-3113'	-3097'	-16'
"A" SS	5792'	-3141'		
"B" or "C" SS	5841'	-3190'		
"D" SS	5901'	-3250'		
Mississippi Chester	5912'	-3261'	-3203'	-58'
Ste. Genevieve	6150'	-3499'	-3467'	-32'
St. Louis	6244'	-3593'	-3555'	-38'
TD	6370'	-3719'		

*Vale No. 2-30, 380'FNL & 1320'FWL, Sec. 30, T33S, R29W – app. 4000' to the NW, K.B. Elev. 2697'.