



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1087494
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: _____

1087494

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

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> <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	Vanderpool 1-5
Doc ID	1087494

Tops

Name	Top	Datum
Chase	2523'	-155'
Council Grove	2926'	-558'
Neva	3160'	-792'
Heebner	4298'	-1930'
Toronto	4344'	-1976'
Lansing	4454'	-2086'
Swope LS	4938'	-2570'
Pleasanton Group	5121'	-2753'
Marmaton	5140'	-2772'
Cherokee	5309'	-2941'
Atoka	5446'	-3078'
Morrow	5648'	-3280'
Mississippi	5720'	-3352'
Ste. Genevieve	6120'	-3752'
St. Louis	6216'	-3848'

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

July 16, 2012

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

Re: ACO1
API 15-119-21317-00-00
Vanderpool 1-5
SW/4 Sec.05-34S-28W
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,

Joseph Forma
Vice President

Cement Report

Customer PAUL BRIEN WERRY		Lease No.		Date 5-2-12	
Lease LANEPOOL		Well # 1-5		Service Receipt	
Casing 4 1/2	Depth 6798	County MEADE		State Ks	
Job Type 4 1/2 LS		Formation		Legal Description 5-345-29W	
Pipe Data			Perforating Data		Cement Data
Casing size 4 1/2	Tubing Size		Shots/Ft		Lead
Depth 6298	Depth	From	To	240x AA2	
Volume 99.6	Volume	From	To	14.8⁴/gal 1.5 113	
Max Press 1200	Max Press	From	To	Tail in	
Well Connection	Annulus Vol.	From	To		
Plug Depth	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:20					Collected at
4:00					on loc
					Hold SAFETY MITG & RIG up to k's
6:50					CSG on Bottom
7:00					Hook up to CSG + DEEP BALL
7:10					BREAK OVER W/CSG
7:41	50			3	Pump 12 Bbls Ann Flush
			12		Pump 3 Bbls H ₂ O
			15		SHUT DOWN
7:55			7		Mix 50% R-M H ₂ O
8:05				5	START Mixing cut down CSG
					240x AA-2 14.8 ⁴ /gal 1.5 113
			65		SHUT DOWN
8:26			15		Wash up to k & Release 4 1/2 CW Plug
8:29	100			6	START DISP
	650		82		LIFT PSI
8:53	1200		99.6		PLUG DOWN
					KEEPERS! HELD
					Thanks
					Tom Jones Carlos EAC
					PLEASE Call me if needed
Service Units	36878	19902			
Driver Names	TOM	JUAN			

Boyer
Customer Representative

Jerry Bennett
Station Manager

Juan
Cementer
Taylor Printing, Inc.

O'Brien Energy Resources, Inc.

Vanderpool No. 1-5

Section 5, T34S, R28W

Meade County, Kansas

April, 2012

Well Summary

The O'Brien Energy Resources, Vanderpool No. 1-5 wildcat was drilled to a total depth of 6400' in the St. Louis Formation without any problems. It was drill approximately $\frac{3}{4}$ of a mile NW of the Pan American Petroleum Corp., Goff Gas Unit No. 1. Formation tops ran high relative to this offset. The Heebner, Lansing and Marmaton ran 30', 20' and 21' high respectively. The Ft. Scott, Cherokee and Atoka came in 18', 14' and 31' high. The Morrow ran 32' high.

An excellent hydrocarbon show occurred in the Morrow from 5685' to 5690' and consists of a Sandstone in 20% of the samples: Dark to light brown, friable, fine lower, well sorted subround grains, clean, siliceous cement, slightly calcareous, slightly glauconitic and arkosic, good intergranular porosity and occasional vuggy porosity, dull gold brown hydrocarbon fluorescence in all the sandstone, excellent streaming cut, medium mottled brown matrix oil stain and abundant light brown live oil and gas bubbles when crushed, trace very black heavy black oil, excellent show. A 145 Unit gas kick occurred.

Minor shows occurred in the Marmaton and Cherokee.

4 1/2" production casing was run on the Vanderpool No. 1-5 on 5/2/12 for Morrow oil production.

Appreciation to Duke Rig 6 hands.

Respectfully Submitted,

Peter Debenham

WELL DATA

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

Well: Vanderpool No. 1-5, wildcat

API No.: 15-119-21317

Location: 2041' FSL & 2060' FWL, Section 5, T34S, R28W, Meade County, Kansas –
10 miles SW of Meade

Elevation: Ground Level 2356', Kelly Bushing 2368'

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: 4/24/12

Total Depth: 5/1/12, Driller 6400', Logger 6404', Mississippian St. Louis

Casing Program: 60' of 20" conductor pipe, 36 joints of 8 5/8", J55, 24Lbs/ft, set at 1500'. 4 1/2"
production casing set.

Mud Program: Mud Co./Service Mud Inc., Engineer Tony Maestas, mud up 2500'.

Wellsite Consultant: Peter Debenham with mudlogging trailer, Call depth 2500', Box 350, Drake,
CO 80515, 720/220-4860.

Samples: 30' to 5600', 20' to TD. One set dry cut sent to KGS sample log library.

Electric Logs: Weatherford, Engineer Adam Giambalvo, 1) Array Induction, 2)
Neutron/Density, 3) Microlog, 4) High Res.

Status: 4 1/2 " production casing set 5/2/12.

WELL CHRONOLOGY

<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
4/23			Move to location.
4/24	200'	140'	Rig up rotary tools. Pump water and mix spud mud and spud in 12 1/4" surface hole 200'. Conductor pipe previously set to 60'.
4/25	1385'	1185'	Surveys(1/2 – 3/4 deg.) and drill.
4/26	1775'	390'	To 1500' and trip out and rig up casing crew and run and cement 36 joints of 8 5/8" set at 1500'. Plug down 5:15am. Wait on cement and nipple up and pressure test BOP. Trip in and drill plug and cement and 7 7/8" hole to 1720' and trip for Bit No. 3. To 1775'.
4/27	3170'	1395'	Surveys(1/2 – 1 deg.). To 2500' and clean suction and displace hole.
4/28	4645'	1475'	Surveys(1/2 – 1 deg.).
4/29	5505'	860'	To 5004' and wiper trip 27 stands and clean suction.
4/30	6385'	880'	
5/1	6400'	15'	To 6400'TD and circulate and short trip 41 stands and circulate and condition mud. Drop survey(1 deg.) and trip for logs and run e-logs. Trip to bottom and circulate and condition. Trip out for casing.
5/2	TD		Trip for casing and run and cement 4 1/2" production casing. 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	RR	12 1/4"	1500'	1440'	28 1/4
2	RR		7 7/8"	1720'	220'	3
3	HTC	Q506F	7 7/8"	6400'	4680'	92 1/2
Total Rotating Hours:						123 3/4
Average:						51.7 Ft/hr

DEVIATION RECORD - degree

513' 1/2, 1030' 3/4, 2219' 1, 2531' 1/2, 3001' 1, TD 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>
4/25	887'	9.65	34	3	6	7.0	n/c	61K	6
4/27	2533'	9.6	30	2	3	7.0	n/c	92K	0
4/28	3972'	9.0	52	14	15	9.0	14.0	6.2K	4
4/29	5004'	9.2	60	18	19	10.5	8.8	3.8K	4
4/30	6143'	9.1	51	16	17	9.5	8.8	3.8K	4

ELECTRIC LOG FORMATION TOPS- KB Elev. 2424'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Goff Gas Unit No. 1</u>	
			<u>DATUM</u>	<u>POSITION</u>
Surface casing	1500'	+868		
Chase	2523'	-155'	-162'	+7'
Odell SH	2632'	-264'	-276'	+12'
Gage SH	2687'	-319'	-330'	+11'
Towanda LS	2719'	-351'	-352'	+1'
Wreford LS	2876'	-508'	-522'	+14'
Council Grove	2926'	-558'	-574'	+16'
Hooser SH	3024'	-656'	-668'	+12'
Cottonwood LS	3099'	-731'	-734'	+3'
Neva	3160'	-792'	-816'	+24'
Penn. Wabaunsee	3388'	-1020'	-1066'	+46'
Heebner	4298'	-1930'	-1960'	+30'
Toronto	4344'	-1976'	-1985'	+9'
Lansing	4454'	-2086'	-2106'	+20'
Dewey LS	4758'	-2390'	-2400'	+10'
Stark Shale	4934'	-2566'	-2587'	+21'
Swope LS	4938'	-2570'	-2597'	+27'
Hushpuckney SH	5020'	-2652'	-2666'	+14'
Hertha LS	5047'	-2679'	-2687'	+8'
Pleasanton Group	5121'	-2753'	-2766'	+13'
Marmaton	5140'	-2772'	-2788'	+16'
Novinger/Pawnee	5208'	-2840'	-2859'	+35'
Ft. Scott	5272'	-2904'	-2922'	+18'
Cherokee	5309'	-2941'	-2955'	+14'
Atoka	5446'	-3078'	-3109'	+31'
Morrow	5648'	-3280'	-3308'	+28'
Mississippi Chester	5720'	-3352'	-3384'	+32'
Ste. Genevieve	6120'	-3752'	NDE\	
St. Louis	6216'	-3848'		
TD	6400'	-4032'		

*Pan American Petroleum Corp., Goff Gas Unit No. 1, S/2 N/2 NE, Sec. 8, 34S, 28W – app. ¾ mile to the SE, K.B. Elev. 2424'.