Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1079136

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 #	API No. 15					
Name:	Spot Description:					
Address 1:						
Address 2:	Feet from Dorth / South Line of Section					
City: State: Zip:+	Feet from East / West Line of Section					
Contact Person:	Footages Calculated from Nearest Outside Section Corner:					
Phone: ()						
CONTRACTOR: License #	GPS Location: Lat:, Long:					
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx) Datum: NAD27 NAD83 WGS84					
Wellsite Geologist:						
Purchaser:	County:					
Designate Type of Completion:	Lease Name: Well #:					
New Well Re-Entry Workover	Field Name:					
	Producing Formation:					
Gas D&A ENHR SIGW	Elevation: Ground: Kelly Bushing:					
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:					
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet					
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?					
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet					
Operator:	If Alternate II completion, cement circulated from:					
Well Name:	feet depth to:w/sx cmt.					
Original Comp. Date: Original Total Depth:						
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan					
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)					
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls					
Dual Completion Permit #:	Dewatering method used:					
SWD Permit #:	Location of fluid disposal if hauled offsite:					
ENHR Permit #:						
GSW Permit #:	Operator Name:					
	Lease Name: License #:					
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East West					
Recompletion Date Recompletion Date	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:							

	Page Two	1079136			
Operator Name:	Lease Name:	Well #:			
Sec TwpS. R East West	County:				
INCTRUCTIONS. Chow important tang of formations paratrated	Datail all agree Bapart all fin	al conice of drill stome tests giving interval tested, time test			

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 (Attach Additional Sh	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geological Survey		Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD Ne				
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, 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 / SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	

Perforate	Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Back TD Plug Off Zone				
	1		1	

No

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

(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					A		ement Squeeze Record I of Material Used)	Depth	
TUBING RECORD: Size: Set At:				Packer	r At:	Liner Ru	n:	No		
Date of First, Resumed Production, SWD or ENHR.				Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours			Wate	ər	Bbls.	Gas-Oil Ratio	Gravity			
DISPOSITION OF GAS:			METHOD OF COMPLE		TION:		PRODUCTION IN	TERVAL:		
Vented Solo	μ 🗌 ι	Jsed on Lease		Open Hole	Perf.	Dually		Commingled (Submit ACO-4)		
(If vented, Su	bmit ACO	-18.)	(Submit)					(Submit ACO-4)		

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	e Utz 1-17				
Doc ID	1079136				

Tops

Name	Тор	Datum
Heebner	4476'	1795'
Toronto	4500'	1819'
Lansing	4622'	1941'
Marmaton	5282'	2601'
Cherokee	5461'	2780'
Atoka	5718'	3037'
Morrow	5777'	3096'
Mississippi Chester	5910'	3229'
Ste. Genevieve	6146'	3465'
St. Louis	5910'	3545'

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/

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner Sam Brownback, Governor

May 08, 2012

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

Re: ACO1 API 15-119-21310-00-00 Utz 1-17 NE/4 Sec.17-33S-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.

Customer	A 1	SERVICE I, Kansas		Lease No.		Date	Cement Report
Lease	Drien	Enersy	and the second second	Well #	7	Service Recei	2-2012
Casing //	6	Depth ///	81	County		04.4	2278
8/	824	Depth 14	Formation		l enal l	10	20
Job Type	242						
		Pipe I				orating Data	Cement Data
Casing size	818 2	4#	Tubing Size			Shots/Ft	Lead UD5K A Con 2.95 FF 3-5 R
Depth 14	199		Depth 5.5. 42		From		- 18.16d-sk 11.4 #
	2.2		Volume		From	То	
	1800		Max Press		From	То	Tail in / 50 s/c C /455
Well Conner	ction 8 5/8		Annulus Vol.	1 84 1	From	То	
Plug Depth	1450		Packer Depth		From	То	6.336d-51 14.9#
	Casing	Tubing	Bbis. Pumbed	Rate		Service	e Log
Time 145	Pressure	Pressure		Tidle		1	In locution
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						Darch 1	0.1
200						Tels luma	Casine
425	· · · ·					- Circow	TE THIS
450	Death		+	1		HOR UN	VOBES
500	2000					1815500	
505	300		210	60		Pumphe	ad cat @ 11.4 #
550	200		36	4.5		Pom Ta	il and @ 14.8 #
610						Drog P	15-Wash Up
603					ļ	Pis	alace '
625	200		80	5.5		Slan D	oun-Displace
430	300		12	20		Land Plus	-Float Held
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Service Units 19870 Driver Names J.C. Mauth		27462 Eddic					

Noger

Sen Bentt Station Manager

Cementer

Customer Representative

Taylor Printing, Inc.



Cement Report

Customer Obrica Energy				Lease No.			Date	276.12	
Lease	17			Well # 1.17			Service Receipt		
Casing	13 111.5	Depth 65	201	County Marche			State		
Job Type	1171	. 51-	Formation	Legal Description					
Pipe Data			Data			Perforating	Data	Cement Data	
		Tubing Size			Shots/I		Lead 60 110 POZ		
Depth	305		Depth 57 414		From		Го	1.481+2.54	
Volume	07		Volume		From		Го	7 576J 54 135#	
Max Press	200		Max Press		From		Го	Tail in 175 MZ	
Well Conner	ction U/V	7	Annulus Voi.		From		Го	- 1.51117.54	
Plug Depth	(6761)		Packer Depth		From		Го	6646254148#	
Time	Casing	Tubing	Bbls. Pumbed	Rate			Servic		
Time	Pressure	Pressure	Bbis. Fullibeo	nale	+	/	391410	a larchain	
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Station Manager

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Samel Charles

O'Brien Energy Resources, Inc. Utz No. 1-17, Angell South Field Section 17, T33S, R29W Meade County, Kansas

February, 2012

Well Summary

The O'Brien Energy Resources, Utz No. 1-17, South Angell Field was drilled to a total depth of 6400' in the Mississippian St. Louis Formation in a total of 114 rotating hours for an average of 56 feet/hour. It was drilled 890' to the South of the Crooked Creek No. 2-8 and 927' to the East of the Rickers Ranch North No. 7-17. Formation tops ran low relative to both of these offsets. Formation tops came in 8' to 12' low relative to the Crooked Creek No. 2-8 from the Heebner to the Morrow. The Morrow "B" Sandstone came in 1' low. The Chester, Ste. Genevieve and St. Louis ran 3', 6' and 3' low respectively.

The Morrow came in 13' low relative to the Rickers Ranch North No. 7-17, 927' to the West. The Morrow "B" Sandstone came in 4' low and the Chester 16' low.

Excellent hydrocarbon shows were documented in the Morrow "B" Sandstone intervals(5802'-5820') and (5840'-5848') and with similar lithology types - Sandstone in up to 50% of the samples: Light brown to buff, salt and pepper and speckled green, friable, very fine upper well sorted subround grains, siliceous cement, calcareous, glauconitic, clean to argillaceous in part, fair to good intergranular and fine vuggy porosity, bright light yellow hydrocarbon fluorescence(most SS) good streaming cut, gas bubbles and oil odor when crushed, light brown matrix oil stain. A 180 Unit gas kick occurred from the upper interval and 160 Units from the lower one.

A show occurred in the Morrow "C" Sandstone (5882'-5886'): Medium to light mottled brown, friable, very fine well sorted grains, siliceous and clay cement, very calcerous and fossiliferous in part, carbonaceous inclusions, occasional fair intergranular and vuggy porosity, light speckled pale blue hydrocarbon fluorescence, fair streaming to bleeding cut, gas bubbles and light brown matrix oil stain and slight odor when crushed. A 35 Unit gas increase occurred.

Live oil shows occurred in small percentages of the samples in the St. Louis formation with occasional traces of formation gas.

 $4\frac{1}{2}$ " production casing was run on the Utz No. 1-17 on 2/25/12.

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:	Utz No. 1-17, Angell South Field				
Location:	559' FNL & 723' FEL, Section 17, T33S, R29W, Meade County, Kansas – Southeast of Plains.				
Elevation:	Ground Level 2669', Kelly Bushing 2681'				
Contractor:	Duke Drilling Rig No. 6, Type: Double jacknife, triple stand, Toolpusher Rick Schollenbarger, Drillers: Terry Sorter, Danny White, Saul Garcia				
Company Man:	Roger Pearson – Liberal, Kansas				
Spud Date:	2/19/12				
Total Depth:	2/24/12, Driller 6400', Logger 6396', St. Louis Formation				
Casing Program:	37 joints of 8 5/8", J-2, 24Lbs/ft, set at 1489'. 4 ¹ / ₂ " production casing set to TD.				
Mud Program:	Winter Mud, engineer K.L. Rice, displaced 2600', Chem. gel/LCM.				
Wellsite Consultant:	Peter Debenham with mudlogging trailer, Call depth 4000', Box 350, Drake, CO 80515, 720/220-4860.				
Samples:	30' to 5700', 20' to TD and 10' through zones of interest.				
Electric Logs:	Weatherford, engineer Lynn Scott , Array Induction, Compensated Neutron/Density, Microlog, Hi Res.				
Status:	4 $\frac{1}{2}$ " production casing run 2/25/2012.				

WELL CHRONOLOGY

6 AMDATE DEPTHFOOTAGERIG ACTIVITY

12/17 Rig up casing crew and run and cement 150 joints of 4 ¹/₂" production casing set at 6313' on the Crooked Creek Offset No. 4-8 with 170 sacks of AA. Cement in rodent holes and rig down.

2/18 Move to location and rig up rotary tools and tarps. Mix spud mud.

2/19 1355' 1355' Blow down mouse hole and rat hole and finish rig up. Spud in 12 1/4" surface hole to 1355'. Survey(1/4 deg.).

2/20 1725' 370' 12 ¹/₄" to 1591' and circulate and trip for casing. Rig up and cement 37 joints of 8 5/8" set at 1489' and wait on cement and nipple up and pressure test BOP. Trip in and drill plug and cement and 7 7/8" hole to 1630' and trip for Bit No. 3. To 1630'.

2/21	3290'	1569'	Service rig and survey(3/4 deg.) and clean suction. To 3290'.
2/22	4680'	1390'	Survey(3/4 deg.) and clean suction.
	5560' and circulate.	880'	To 5008' and circulate for samples and wiper trip 27 stands to

2/24 6400' 840' To 6400'TD and circulate. Wiper trip and circulate. Drop survey(1 ¹/₄ deg.) and circulate and condition mud. Trip out for logs and run elogs. Trip in and circulate and trip out laying down. Run and cement 4 ¹/₂" production casing to TD. Rig down.

BIT RECORD

<u>NO.</u>	MAKE	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	FOOTAGE	HOURS
1	STC	MXCL	12 1/4"	1491'	1491'	25
2	HTC	F27I RR	7 7/8"	1630'	139'	1 3/4
3	HTC	Q506F	7 7/8"	6400'	4770'	87 1/2
				Total Rotatin	g Hours:	114
			Average:			56.14 Ft/hr

MUD PROPERTIES

DATE	DEPTH	<u>WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>рН</u>	<u>WL</u>	<u>CL</u>	LCM-LBS/BBL
2/19	1011'	9.2	62						18
2/20	1491'	8.3							
2/21	2760'	8.9	40	2	2	9.0	48.0	16K	2
2/22	4135'	8.9	41	12	12	8.5	28.0	8K	4
2/23	5180'	9.1	45	17	11	10.5	9.0	4K	6
2/24	6325'	9.2	50	20	11	10.5	7.0	3.2K	4

DEVIATION RECORD - degree

503' 1/4, 1491' 1, 2005' 1/2, 2555' 3/4, 4005 3/4, 6400' 1 1/4

ELECTRIC LOG FORMATION TOPS- KB Elev. 2681'

			*Crooked Creek No. 2-8	
FORMATION	DEPTH	DATUM	DATUM	POSITION
Casing	1489'	+1192'		
Heebner	4476'	-1795'	-1787'	-8'
Toronto	4500'	-1819'	-1810'	-9'
Lansing	4622'	-1941'	-1930'	-11'
Marmaton	5282'	-2601'	-2592'	-9'
Cherokee	5461'	-2780'	-2768'	-12'
Atoka	5718'	-3037'	-3028'	-9'
Morrow	5777'	-3096'	-3087'	-9'
"B" SS	5802'	-3121'	-3120'	-1'
"C" SS	5883'	-3201'		
Mississippi Chester	5910'	-3229'	-3226'	-3'
Ste. Genevieve	6146'	-3465'	-3459'	-6'
St. Louis	6226'	-3545'	-3542'	-3'
TD	6400'	-3719'		

*O'Brien Energy Resources, Crooked Creek No. 2-8, 330'FSL & 660'FEL, Sec. 8 – app. 890' to the North, K.B. Elev. 2680'.

			*Rickers Ranch North No. 7-17	
FORMATION	DEPTH	DATUM	DATUM	POSITION
Casing	1489'	+1192'		
Heebner	4476'	-1795'	-1783'	-12'
Toronto	4500'	-1819'	-1813'	-6'
Lansing	4622'	-1941'	-1933'	-8'
Marmaton	5282'	-2601'	-2595'	-6'
Cherokee	5461'	-2780'	-2779'	-1'
Atoka	5718'	-3037'	-3035'	-2'
Morrow	5777'	-3096'	-3083'	-13'
"B" SS	5802'	-3121'	-3117'	-4'
"C" SS	5883'	-3201'		
Mississippi Chester	5910'	-3229'	-3213'	-16'
Ste. Genevieve	6146'	-3465'	-3447'	-18'
St. Louis	6226'	-3545'	-3531'	-14'
TD	6400'	-3719'		

*O'Brien Energy Resources, Rickers Ranch North No. 7-17, 660'FNL & 1650'FEL, Sec. 17 – app. 927' to the West, K.B. Elev. 2697'.