



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1061881

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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				

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. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	Crooked Creek 3-8
Doc ID	1061881

All Electric Logs Run

ARRAY INDUCTION
COMPENSATED NEUTRON
MICROLOG
CEMENT BOND

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	Crooked Creek 3-8
Doc ID	1061881

Tops

Name	Top	Datum
HEEBNER	4484	-1785
TORNONTO	4509	-1810
LANSING	4634	-1935
MARMATON	5278	2579
CHEROKEE	5457	-2758
ATOKA	5716	-3017
MORROW	5774	-3075
MORROW "B"	5798	-3099
BASE MORROW "B"	5832	-3133
MISSISSIPPI CHESTER	5890	-3191
STE. GENEVIEVE	6140	-3441
ST. LOUIS	6232	-3533

**BASIC**ENERGY SERVICES
Liberal, Kansas**Cement Report**

Customer	O'Brien Energy	Lease No.		Date	5-6-11
Lease	Cracked Creek	Well #	13-9	Service Receipt	01668
Casing	24"	Depth	1495'	County	Monte
Job Type	242-578 "Sur-6-egg"	Formation		Legal Description	8-33-29

Pipe Data		Perforating Data		Cement Data
Casing size	24"	Tubing Size		Lead 400 SK
Depth	1495'	Depth		A-Con @ 11 1/4 ppf
Volume	92.5 bbl	Volume		2.95 4 3/4 SK, 18.10 gals
Max Press		Max Press		Tail in 150 SK
Well Connection		Annulus Vol.		Premium Plus 2 1/2
Plug Depth	1153'	Packer Depth		1.3110 SK, 6.33 gals

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00					Site assessment
6:15					500+ trucks - rig up
10:45					CS on lot in - break circ 30 min
11:00					Safety meeting / ISA
11:15					pressure test pumping lines 2000'
11:15			210	4	Mix + pump 100 SK A-Con w/ 3% CC, Ki# poly, 2% WMA-1
12:10			30	4	switch to 150 SK 3% Premium Plus 2% CC Ki# poly, 2%
12:30			0	4	drop plug, disp CSG
12:50			82	2	slow rate
1:00			92.5	0	land plug float held
4:00					pump 75 SK to top off surface job complete

Service Units	34776	27808-19553	19835-19883		
Driver Names	A. Olivera	T. Gibson	V. Vasquez		

R. Pearson Customer Representative
 J. Bennett Station Manager
 A. Olivera Cementer

O'Brien Energy Resources, Inc.

Crooked Creek No. 3-8

Section 8, T33S, R29W

Meade County, Kansas

May, 2011

Well Summary

The O'Brien Energy Resources, Corporation, Crooked Creek No. 3-8 was drilled to a total depth of 6330' in the Mississippian St. Louis Formation. It offset the Crooked Creek No. 2-8 by 1000' to the W/NW. Formation tops ran high relative to this offset. The Marmaton, Cherokee and Atoka came in 13', 10' and 11' high respectively. The Morrow came in 17' high and the Morrow "B" Sandstone, 17' high. The Base of the Morrow "B" Sandstone came in 22' high. The Chester, Ste. Genevieve and St. Louis ran 35', 18' and 9' high respectively.

An excellent hydrocarbon show occurred in the Morrow "B" Sandstone(5798'-5832') and consists of a Sandstone in 70% of the samples: Light to medium brown, speckled green, friable, very fine upper to fine lower, well sorted subround grains, siliceous cement, calcareous, clean to slightly argillaceous, glauconitic, good to excellent intergranular porosity, vuggy porosity, excellent bright yellow to light blue hydrocarbon fluorescence in most of the sand, light brown matrix oil stain, excellent streaming cut, trace light brown live oil, light oil odor, oil scum and gas bubbles when crushed. A gas kick of 575 Units was recorded.

Additional minor shows were documented in the Lower Cherokee(5672'-5676', 80 Units) and Mississippi(attached mudlog).

4 1/2" production casing was run on the Crooked Creek No. 3-8 for Morrow "B" Sandstone oil production.

Appreciation to Duke Rig 6 hands for their typical level of efficiency.

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: Crooked Creek No. 3-8, Angell South Field

Location: 660' FSL & 1650' FEL, Section 8, T33S, R29W, Meade County, Kansas – Southeast of Plains.

Elevation: Ground Level 2687', Kelly Bushing 2699'

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

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 5/6/11

Total Depth: 5/12/11, Driller 6330', Logger 6330', St. Louis Formation

Casing Program: 36 joints of 8 5/8", J55, 24Lbs/ft, set at 1496'.

Mud Program: Winter Mud, engineer Adam Norris, displaced 2570', Chem. gel/LCM.

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

Samples: 30' to 5800', 20' to TD and 10' through zones of interest.

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

Status: 4 1/2" production casing run 5/13/2011 for Morrow oil production.

WELL CHRONOLOGY

<u>6 AM</u>	<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
	5/5			Move to location and rig up rotary tools. Pump water and mix spud mud. Drill rathole and mousehole.
	5/6	1496'	1496'	Spud in 12 1/4" surface hole and drill to 1496' and circulate. Survey(1/4 deg.) and service rig. Drop survey(3/4 deg.) and trip out for surface casing.
	5/7	2040'	544'	Run and cement 36 joints of 8 5/8" casing set at 1496' – did not circulate to surface. Cement down 1" and wait on cement. Nipple up and test BOP. Trip in and drill plug and cement and drill 7 7/8" to 1790' and trip for bit No. 3. Drill to 2040'.
	5/8	3230'	1190'	Surveys(1/4 – 1/2 deg.). To 2637' and trip for plugged bit. Displace mud system at 2570' and drill to 3230'.
	5/9	4450'	1220'	
	5/10	5360'	910'	Survey(3/4 deg.). To 5014' and circulate. Wiper trip 27 stands and circulate – lost circulation on bottom(300 bbls). Pull 5 stands and build volume and mix LCM and drill to 5360'.
	5/11	6275'	915'	Lost circulation at 6275'(150 bbls). Drilling.
	5/12	6330'TD	55'	To 6330'TD and circulate. Short trip to 2600' and circulate and condition mud. Drop survey(3/4 deg.) and trip for logs and run same. Trip to bottom and circulate. Trip out laying down.
	5/13	TD		Out and lay down. Run and cement 4 1/2" production casing to TD. Rig down.

LOST CIRCULATION

5014' 300 bbls, 6275' 150 bbls

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	MX C1	12 1/4"	1496'	1496'	19 3/4
2	HTC	GX28	7 7/8"	1790'	294'	5
3	HTC	Q506F	7 7/8"	6330'	4540'	93 1/4
				Total Rotating Hours:		118
				Average:		53.6 Ft/hr

DEVIATION RECORD - degree

504' 1/4, 1496' 3/4, 2098' 1/4, 2637' 1/2, 4544' 3/4, 6330' 1/2

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>
5/6	1252'	9.0	34	12	6	8.5	n/c	700	20
5/7	1604'	8.6	31	4	3	9.5	n/c	1100	--
5/8	2600'	8.6	44	14	10	9.5	16	5200	4
5/9	4083'	8.9	47	17	11	9.5	10.0	4900	6
5/10	5014'	9.0	45	16	10	10.0	8.5	4700	4
5/11	5959'	8.9	53	16	11	10.5	7.8	3800	12

ELECTRIC LOG FORMATION TOPS- KB Elev. 2699'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Crooked Creek No. 2-8</u>	
			<u>DATUM</u>	<u>POSITION</u>
Casing	4484'	-1785'		
Heebner	4484'	-1785'	-1787'	+2'
Toronto	4509'	-1810'	-1810'	0'
Lansing	4634'	-1935'	-1930'	-5'
Marmaton	5278'	-2579'	-2592'	+13'
Cherokee	5457'	-2758'	-2768'	+10'
Atoka	5716'	-3017'	-3028'	+11'
Morrow	5774'	-3075'	-3087'	+12'
Morrow "B" SS	5798'	-3099'	-3116'	+17'
Base Morrow "B" SS	5832'	-3133'	-3155'	+22'
Mississippi Chester	5890'	-3191'	-3226'	+35'
Ste. Genevieve	6140'	-3441'	-3459'	+18'
St. Louis	6232'	-3533'	-3542'	+9'
TD	6330'	-3631'		

*O'Brien Energy Resources, Crooked Creek No. 2-8, 330' FSL & 660' FEL, Sec. 8 – app. 1000' to the E/SE, K.B. Elev. 2680'.

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

August 22, 2011

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

Re: ACO1
API 15-119-21291-00-00
Crooked Creek 3-8
SE/4 Sec.08-33S-29W
Meade County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and all 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, Operations
O'Brien Energy Resources Corp.