

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1254144  
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: \_\_\_\_\_

1254144

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> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	Prather 2-10
Doc ID	1254144

Tops

Name	Top	Datum
Heebner	4522'	-1947'
Toronto	4541'	-1966'
Lansing	4700'	-2125'
Stark SH	5075'	-2500'
Cherokee	5366'	-2791'
Morrow	5447'	-2872'
Mississippi Chester	5495'	-2920'
St. Louis	5662'	-3087'





**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
Liberal, Kansas

### Cement Report

Customer	OBrien Energy		Lease No.		Date	2-26-15
Lease	Prokter #		Well #	2-10	Service Receipt	05379
Casing	8 5/8 Surface	Depth	County	Clark	State	KS
Job Type	242-8 5/8 Surface		Formation		Legal Description	10-31-24

Pipe Data		Perforating Data		Cement Data
Casing size	8 5/8 24#	Tubing Size		Lead 130 sk ACen
Depth	726'	Depth	From To	
Volume	Disp 44 bbl	Volume	From To	Tail in 130 sk Prem. Plus
Max Press	1500 #	Max Press	From To	
Well Connection	ID-730'	Annulus Vol.	From To	
Plug Depth	ST-42'	Packer Depth	From To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					on loc- site assessment
					spot trucks - rig up
9:00					Csg on btm break circ
9:05					safety meeting - JSA
9:10					pressure test @ 2000 #
9:15			68.3	5	mix + pump 130 sk ACen @ 11.4 #
9:30			31	5	switch to tail 130sk Prem. Plus @ 14.8 #
9:35			0	5	drop plug, disp csg
9:55			34	2	slow rate
10:00			44	0	land plug, float held
					circ out to surface
					job complete

Service Units	78940	27462	19827-19823		
Driver Names	A Owen	G Belau	H Ruffe		

R Pearson  
Customer Representative
T Dui's  
Station Manager
A Owen  
Cementer



# Cement Report

Customer	O'Brien Energy Prather JJ	Lease No.		Date	3-3-15
Lease		Well #	2-10	Service Receipt	05881
Casing		County	Meade	State	KS
Job Type	Z42 RTA	Formation		Legal Description	33-33-29

Pipe Data		Perforating Data		Cement Data
Casing size	Tubing Size	Shots/Ft		Lead 170 sk
Depth	Depth	From	To	60/40 #02
Volume	Volume	From	To	
Max Press	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
					on loc-site assessment
					spot truck, rig up
					CRC @ 1500'
9:45			13.4	4	mix + pump 50 sk
			17.8	4	disp balanced plug
					CRC @ 750'
10:30			13.4	4	mix + pump 50 sk
			7	4	disp balanced plug
					CRC @ 60'
11:15			6	3	mix + pump 20 sk
					CRC unit to surface
					plug rat + mouse holes
					w/ 50 sk
12:00					job complete

Service Units	78440	27462	14355-14883		
Driver Names	A Owen	G Blinn	H Ruckge		

R Pearson Customer Representative     
 J Davis Station Manager     
 A Owen Cementer

**O'Brien Energy Resources, Inc.**

**Prather No. 2-10**

**Section 10, T31S, R24W**

Clark County, Kansas

March 2014

The O'Brien Energy Resources, Prather No. 2-10 was drill to a total depth of 5750' in the Mississippian St. Louis Formation.

One of the closest offset was the Morrow oil producer, Brown English "A" approximately 1320' to the NW. Formation tops ran relatively even to this well. The Lansing came in 2' low and the Cherokee 4' high. The Mississippi Chester ran even.

Formation tops from the Heebner to the Mississippi ran 16' to 23' low relative to the Prather No. 1-4, Approximately ½ mile to the NW. The St. Louis came in 2' high.

No significant hydrocarbon shows or gas kicks were encountered during the drilling of this test. No Morrow Sandstone development occurred and the Prather No. 2-10 was plugged and abandoned 3/3/15.

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: Prather No. 2-10

Location: 335'FNL & 660'FWL, section 10, T31S, 24W, Clark Co., KS

API No.: 15-025-21583

Elevation: Ground Level 2563', Kelly Bushing 2575'

Contractor: Duke Drilling Rig No. 9, T.P. Emidgio Rojas, Drillers Victor Martinez, Alejandro V., Fernando Juroeb, Type: Double jacknife, double stand

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 2/25/15

Total Depth: 3/2/15, Driller 5750', Logger 5751', Mississippi St. Louis Fm.

Casing Program: 17 joints of new 8 5/8", J55, 24Lbs/ft, set at 726' and cemented by Basic with 130 sacks A Con(3%cc & ¼ lbs/bbl Floseal), tail with 130 sacks Class C(2%cc).

Mud Program: Service Mud/Mud-Co, Engineer Justin Whitting, Chemical/gel, displaced 3572'.

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

Samples: 30' to 5200', 20' to TD. One dry cut sent to the KS Sample Log Library, Wichita.

Electric Logs: Weatherford, engineer Jeff Randle and Miles Wilkins, Array Induction, Compensated Neutron/Density, Microlog, Hi Res.

Status: Plugged and abandoned 3/3/15c with 50 sacks cement at 1560', 50 sacks at 750', 20 sacks at 60', 30 sacks in the mouse hole and 20 in the mouse hole.



**WELL CHRONOLOGY**

<b>Midnight</b>	<b><u>DATE</u></b>	<b><u>DEPTH</u></b>	<b><u>FOOTAGE</u></b>	<b><u>RIG ACTIVITY</u></b>
	2/25	100'	100'	Move rig from the Clayton to the Prather location and rig up rotary tools. Pump water and mix spud mud and drill rat hole and mouse hole. Spud in 12 1/4" hole to 100'.
	2/26	1000'	900'	To 730' and circulate and drop survey(1 1/4 deg.) and trip out. Run and cement 17 joints of new 8 5/8", J55, 24Lbs/ft, set at 726' and cemented by Basic with 130 sacks ACon(3%cc & 1/4 lbs/bbl Floseal), tail with 130 sacks Class C(2%cc) – did circulate. Plug down 10 AM. Clean pits and wait on cement and nipple up BOP. Trip in and test BOP to 300 PSI in 15 minutes. Drill plug and cement and 7 7/8" hole to 1000'.
	2/27	2680'	1680'	Surveys(1 deg.). Work on mud pump, change seats and valve. Change fan on DW motor.
	2/28	4080'	1400'	Surveys(1/2 – 1 1/2). To 3572' and clean pits and displace mud system. Service rig and work on main chain.
	3/1	5080'	1000'	Clean pits and survey(1 1/2 deg.).
	3/2	5710'	630'	To 5097' and drop survey(1 1/4 deg.) and trip for Bit No. 3.
	3/3	5750'TD	40'	To 5750' TD and circulate. Short trip and circulate. Drop survey(1 1/4 deg.) and trip out for logs. Run Elogs. Trip to bottom and circulate. Trip out laying down and plug and abandon well. Rig down.

**BIT RECORD**

<b><u>NO.</u></b>	<b><u>SIZE</u></b> <b><u>HOURS</u></b>	<b><u>MAKE</u></b>	<b><u>TYPE</u></b>	<b><u>OUT</u></b>	<b><u>FOOTAGE</u></b>	
1	12 1/4"		PLT516	730'	730'	6 1/2
2	7 7/8"		PLT616	5097'	4367'	51 1/2
3	7 7/8"		PLT616	5750'	653'	15 3/4
						Total Rotating Hours: 73 3/4
						Average: 78 Ft/hr

**DEVIATION RECORD - degree**

730' 1 1/2, 2719' 1, 3765' 1 1/2, 4868' 1 1/2, 5097', TD 1 1/4

**MUD PROPERTIES**

<b><u>DATE</u></b> <b><u>LBS/BBL</u></b>	<b><u>DEPTH</u></b>	<b><u>WT</u></b>	<b><u>VIS</u></b>	<b><u>PV</u></b>	<b><u>YP</u></b>	<b><u>pH</u></b>	<b><u>WL</u></b>	<b><u>CL</u></b>	<b><u>LCM-</u></b>
2/25	0'	Make up water							
2/26	730'	9.5	34	3	4	8.5	n/c	1.6K	4 ½
2/27	1904'	9.75	29	2	2	7.0	n/c	94K	0
2/28	3650'	8.6	93	24	25	10.5	10.8	8.1K	1 ½
3/1	4615'	9.25	51	17	17	9.0	12.8	9.7K	2
3/2	5329'	9.3	48	14	14	9.5	10.4	7.4	2
3/3	5750'TD	9.35	52	16	17	9.5	8.8	4.9	3

**ELECTRIC LOG FORMATION TOPS- KB Elev. 2573'**

<b><u>FORMATION</u></b>	<b><u>DEPTH</u></b>	<b><u>DATUM</u></b>	<b><u>*Brown "D" No. 1-4</u></b>	
			<b><u>DATUM</u></b>	<b><u>POSITION</u></b>
Casing	729'			
Heebner	4522'	-1947'	-1945'	-2'
Toronto	4541'	-1966'	-1965'	-1'
Lansing	4700'	-2125'	-2067'	
Stark SH	5075'	-2500'	-2501'	+1'
Cherokee	5366'	-2791'	-2807'	-21'
Morrow	5447'	-2872'	-2892'	+16'
Morrow SS	NA			
Mississippi Chester	5495'	-2920'	-2967'	+47'
St. Louis	5662'	-3087'		
TD	5688'			

\*Vess Oil Corp., Brown "D" No. 1-4, ½ mile to the NW, KB Elev. 2571'.