



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1205714
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: _____

1205714

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	Prather 1-4
Doc ID	1205714

Tops

Name	Top	Datum
Heebner	4504'	-1931
Toronto	4522'	-1949
Lansing	4674'	-2101
Stark	5052'	-2479
Cherokee	5343'	-2770
Morrow	5426'	-2853
Mississippi Chester	5470'	-2897
St. Louis	5662'	-3089

O'Brien Energy Resources, Inc.

Prather No. 1-4

Section 4, T31S, R24W

Clark County, Kansas

March, 2014

The O'Brien Energy Resources, Prather No. 1-4 was drill to a total depth of 5688' in the Mississippian St. Louis Formation in 99 rotating hours for an average of 57.6 feet/hour and with no rig problems.

The closest offset was the Vess Oil Corporation, Brown "D" No. 1-4 – 1520' to the east. The Heebner and Toronto came in 15' high to this offset. Thinning was noted as the Stark Shale, Cherokee and Morrow ran 22', 37' and 39' high respectively.

Two minor hydrocarbon shows were documented in the Lower Lansing at 5135'-5140' and 5218'-5226' (drill time depths) and with an associated trace of light blue hydrocarbon fluorescence(<<1% of the samples), slow streaming cut, trace oil stain and with traces of moldic, fenestral and intercrystalline porosity. A 5 Unit gas increase was recorded on the hotwire from both zones.

No Morrow or Chester Sandstones were noted in samples. A very tight two foot Morrow Sandstone (5460'-5462') is noted on logs. No Chester Sandstones were developed and the Prather No. 1-4 was plugged and abandoned 3/17/14.

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. 1-4

Location: 1980'FSL & 1980'FEL, section 4, T31S, 24W, Clark Co., KS

API No.: 1502521573

Elevation: Ground Level 2563', Kelly Bushing 2575'

Contractor: Duke Drilling Rig No. 6, Type: Double jackknife, triple stand, Toolpusher Alan Cain, Drillers: Saul Garcia, Richard TaFaya, Darryl LaRoche

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 3/10/14

Total Depth: 3/17/14, Driller 5700', Logger 5688', Mississippi

Casing Program: 17 joints of 8 5/8", J55, 24Lbs/ft, set at 723' with 175 sacks Class C(2%cc).

Mud Program: Service Mud/Mud-Co, Engineer Terry Ison, Chemical/gel, displaced 3180'.

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

Gas Detection: MBC Logging, Meade.

Samples: 30' to 4400', 10' to TD. One dry cut sent to the KS Sample Log Library, Wichita.

Electric Logs: Weatherford, engineer Derek Carter, Array Induction, Compensated Neutron/Density, Hi Res.

Status: Plugged and abandoned 3/17/14.

WELL CHRONOLOGY

6 AM	<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
	3/10			Move to location and rig up rotary tools.
	3/11	734'	734'	Mix spud mud. Drill mouse hole and rat hole. Spud in 12 1/4" surface hole to 734'. Circulate and trip for casing and run and cement 17 joints of 8 5/8" set at 723' – did circulate. Plug down 3 PM. Back off landing joint and nipple up BOP.
	3/12	2045'	1311'	Nipple up and pressure test BOP. Trip in and drill plug and cement and 7 7/8" hole to 984' and trip for Bit No. 3. Change out wash pipe, run survey(3/4 deg.) and drill to 2045'.
	3/13	3530'	1485'	Service rig – clean suction and grease swivel. Survey(3/4 deg.). Change out draw works clutch. Clean suction and sisplace hole at 3180'.
	3/14	4770'	1240'	Survey(3/4 deg.) and service.
	3/15	5600'	830'	Work on clutch.
	3/16	5700TD	100'	To TD and circulate. Wiper trip 36 stands and circulate and condition mud. Trip for and run elogs. Trip to bottom and circulate. Trip out laying down.
	3/17	TD		Trip out and plug and abandon well. Rig down.

BIT RECORD

<u>NO.</u>	<u>SIZE</u> <u>HOURS</u>	<u>MAKE</u>	<u>TYPE</u>	<u>OUT</u>	<u>FOOTAGE</u>	
1	12 1/4"	Varel	RR	733'	734'	10
2	7 7/8"	htc	ha22512	1580'	846'	4 1/4
3	7 7/8"	HTC	DP506F	5700'	4120'	1116 1/4

Total Rotating Hours: 99
Average: 57.6
Ft/hr

DEVIATION RECORD - degree

526' ¼, 734' ¼, 1486' ¼, 2143' ¼, 2707' 1, 3588' ½, 4185' 1, TD ¾

MUD PROPERTIES

<u>DATE</u>	<u>DEPTH</u> <u>LCM-LBS/BBL</u>	<u>WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>pH</u>	<u>WL</u>	<u>CL</u>	
3/12	1557'	9.9	32	--	--	7.0	NC	95K	--
3/13	2811'	9.6	33	--	--	7.0	NC	81K	--
3/14	4247'	9.2	58	16	26	8.5	12.0	8K	2
3/15	5073'	9.4	52	16	20	10.5	9.6	6K	1
3/16	5700'	9.4	45	16	18	9.5	8.8	6K	2

ELECTRIC LOG FORMATION TOPS- KB Elev. 2573'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Brown "D" No. 1-4</u> <u>DATUM</u>	<u>POSITION</u>
Casing	732'			
Heebner	4504'	-1931'	-1945'	+14'
Toronto	4522'	-1949'	-1965'	+16'
Lansing	4674'	-2101'	-2067'	+34'
Stark SH	5052'	-2479'	-2501'	+22'
Cherokee	5343'	-2770'	-2807'	+37'
Morrow	5426'	-2853'	-2892'	+39'
Morrow SS	NA			
Mississippi Chester	5470'	-2897'	-2967'	+70'
St. Louis	5662'	-3089'		
TD	5688'			

*Vess Oil Corp., Brown "D" No. 1-4, 1520' to the East, KB Elev. 2571'.

Cement Report

Customer O'Brien Energy		Lease No.		Date 3-11-14	
Lease Prather		Well # 1-4		Service Receipt	
Casing 8 5/8	Depth 734	County Meade		State Kansas	
Job Type Surface		Formation		Legal Description	
Pipe Data			Perforating Data		Cement Data
Casing size 8 5/8	Tubing Size	Shots/Ft		Lead 150 sk <i>Recon @ 11.4</i>	
Depth 734	Depth	From	To		
Volume 44.01128865	Volume	From	To	Tail in 150 sk <i>PPC @ 10.8</i>	
Max Press 1800 psi	Max Press	From	To		
Well Connection PC	Annulus Vol.	From	To	1.34 sk <i>6.33 gal/sk</i>	
Plug Depth 692 ft	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					On Location
13:04					Spot in
13:45					Safety Meeting and Rig up
14:10					Pressure test to 2000 psi
14:13	30 psi			4BPM	Start lead
14:35	30 psi		78	4BPM	Start tail
14:45	60		36	4BPM	Drop Plug Wash up plug Start Disp
	60		10	4BPM	road
	70		20	4BPM	road
	50		30	2BPM	Slow Rate to 2BPM
	140		40	1BPM	Slow Rate to 1BPM
15:13	730		44	0	Landed plug released did not hold
15:17	400		45		Pressured up and shut head in with 400 on it that did not hold leaving head on location
Job Complete					
Service Units	78939	37223/37420	30H63/19566		
Driver Names	Chad Hine	Tammy Walls	Norma Rivers		

Roger Pearson
Customer Representative

Jerry Bennett
Station Manager

[Signature]
Cementer

Cement Report

Customer <i>OBRIEN Energy</i>		Lease No. <i>1-4</i>		Date <i>03-17-14</i>							
Lease <i>Prather</i>		Well # <i>1-4</i>		Service Receipt # <i>7777-05629 A</i>							
Casing <i>4 1/2" DP</i>	Depth <i>1560'</i>	County <i>Meade</i>		State <i>KS</i>							
Job Type <i>PTA</i>		Formation		Legal Description <i>4-31-24</i>							
Pipe Data			Perforating Data			Cement Data					
Casing size <i>4 1/2" DP</i>			Tubing Size			Shots/Ft			Lead <i>220s/s</i>		
Depth			Depth			From			To		
Volume			Volume			From			To		
Max Press			Max Press			From			To		
Well Connection			Annulus Vol.			From			To		
Plug Depth			Packer Depth			From			To		
									Tail in		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log						
<i>0100</i>					<i>Called out on location Safety Meeting Set up</i>						
<i>0335</i>											
<i>0340</i>											
<i>0400</i>											
<i>0630</i>			<i>13 BBLs</i>	<i>2</i>	<i>1st Plug 50cks - 9 BBLs MW 13.3 BBLs slurry 20 BBLs Displaced</i>						
<i>0638</i>			<i>18 BBLs</i>	<i>3</i>							
<i>0735</i>			<i>13 BBLs</i>	<i>2</i>	<i>2nd Plug 50cks - 9 BBLs MW 13.3 BBLs slurry 9 BBLs Displaced</i>						
<i>0740</i>			<i>8 BBLs</i>	<i>2</i>							
<i>0800</i>			<i>13 BBLs</i>	<i>2</i>	<i>3rd Plug 50cks 9 BBL MW 13.3 BBLs slurry 3 BBL Displaced</i>						
			<i>2 BBLs</i>	<i>2</i>							
<i>0910</i>			<i>5 BBLs</i>	<i>2</i>	<i>4th Plug 20cks 3.6 BBL MW 5.3 BBL slurry</i>						
			<i>1/2 BBL</i>	<i>1/2</i>							
<i>0915</i>			<i>8 BBLs</i>		<i>Rat Hole - 30cks 8 BBLs slurry</i>						
			<i>1/2 BBL</i>								
<i>0930</i>			<i>5 BBLs</i>		<i>Mona Hole 20cks 5 BBLs slurry</i>						
			<i>1/2 BBL</i>								
<i>1000</i>					<i>Job Completed - Thanks</i>						
Service Units		<i>2MS</i>	<i>70897-19510</i>	<i>30463-19566</i>							
Driver Names		<i>Roger</i>	<i>Gabriel</i>	<i>Mario</i>							

Roger Pearson
 Customer Representative

Terry Bontvett
 Station Manager

Roger Brown
 Cementer