

Confidentiality Requested:

Yes No

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

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	CIMARRON 1-34
Doc ID	1372773

Tops

Name	Top	Datum
Heebner	4364	-1861
Toronto	4394	-1891
Lansing	4463	-1960
Marmaton	5172	-2669
Cherokee	5348	-2845
Atoka	5566	-3063
Morrow	5698	-3195
Mississippi Chester	5786	-3283
Ste. Genevieve	6120	-3617
St. Louis	6228	-3725



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

Job Log

Customer:	Obrien Energy		Cement Pump No.:	38117, 19919 5Hrs.		Operator TRK No.:	78938	
Address:	18 Congress St. Suite 207		Ticket #:	1718 14410 L		Bulk TRK No.:	30464, 37725 Angel	14355, 37724 Willie
City, State, Zip:	Portsmouth NH 03801		Job Type:	Z42 Cement Surface Casing				
Service District:	1718 - Liberal, Ks.		Well Type:	OIL				
Well Name and No.:	Cimarron 1-7		Well Location:	34,33,29	County:	Meade	State:	Ks
Type of Cmt	Sacks	Additives			Truck Loaded On			
A-Con' Blend	385	3% Calcium Chloride, 1/4# Polyflake, .2%WCA1			30464, 37725 Angel		Front	Back
Premium Plus Cement	150	2% Calcium Chloride, 1/4# Polyflake			14355, 37724 Willie		Front	Back
							Front	Back
Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements		CU. FT.	Man Hours / Personnel		
Lead:	11.4	2.95	18.1		1135.75	TT Man Hours:	30	
Tail:	14.8	1.34	6.33		201	# of Men on Job:	3	
Time (am/pm)	(BPM)	Volume (BBLs)	Pumps T C		Pressure(Psi) Tubing Casing		Description of Operation and Materials	
11:45							ON LOCATION & SAFETY MEETING	
12:30							RIG UP	
1:15 PM							RIG TO CIRCULATE	
1:40 PM							RIG TO P.T.	
1:45 PM							SAFETY MEETING	
13:58							PRESSURE TEST TO 2200PSI	
14:00	5	202.2 slurry				30	PUMP LEAD @ 11.4#	
2:41 PM	5	35.7 slurry				60	PUMP TAIL @ 14.8#	
14:55							SHUTDOWN / DROP PLUG	
14:58	5.5	10				10	DISPLACE	
	5.5	20				10		
	5.5	30				40		
	5.5	40				80		
	5.5	50				140		
	5.4	60				190		
	5.3	70				260		
	5.2	80				310		
15:19	5.3	81				330	SLOW RATE TO 2.0BPM @ 270PSI	
	1.9	90				330		
15:23	1.9	91.8				340	LAND PLUG / PRESSURE UP TO 1010PSI	
15:26							RELEASE BACK — FLOAT HELD	
							JOB COMPLETE	
Size Hole	12 1/4"	Depth				TYPE	Plug Container	
Size & Wt. Csg.	8 5/8" 24#	Depth	1487'	Landing Jt.	13'	Packer	Depth	
Shoe Jt.	42.07'	Depth		Hole Depth	1495'	Retainer	Depth	
Landing Press.	302.1psi	Type				Perfs	CIBP	
Customer Signature:						Basic Representative:	Daniel Beck	
						Basic Signature:		
						Date of Service:	7/25/2017	



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901



Job Log

Client:	Obrien Energy	Cement Pump No.:	38119-19570	Operator TRK No.:	78939
Address:	18 Congress St. Suite 207	Ticket #:	1718-14489 L	Bulk TRK No.:	30464-37725
State, Zip:	Portsmouth NH 03801	Job Type:	Z42 Cement Production Casing		
Service District:		Well Type:	OIL		
Well Name and No.:	Cimarron #1	Well Location:	34,33,29	County:	Meade
				State:	Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
AA-2	225	5%W-60, 10%SALT, .6% C-15, 1/4#DEFOAMER, 5#GILSONITE	30464-37725	Front	Back
				Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	14.8	1.51	6.64	339.75	Man Hours:	25
Tail:					# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
22:00							ON LOC, SAFTEY MTG, R.U.
1:16						3600	TEST LINES
1:17 AM	5	10				180	PUMP MUD FLUSH
1:20 AM	5	5				170	H2O SPACER
1:25 AM		8 AND 5					PLUG RAT & MOUSE
1:37	7					340	START MIXING @14.8#
1:56		47					SHUT DOWN, DROP PLUG, WASHUP
1:59 AM	7.4					180	START DISPLACEMENT
2:13	2.5	90				640	SLOW RATE
2:18		101.5				950-1570	PLUG DOWN
2:23						1570-0	RELEASE PSI, FLOAT HELD
							JOB COMPLETE
							THANK YOU FOR YOUR BUSINESS!!!

Size Hole	7 7/8	Depth	6450'		TYPE	
Size & Wt. Csg.	4 1/2 10.5	Depth	6433.27	New / Used	Packer	Depth
tbg.		Depth			Retainer	Depth
Top Plugs		Type			Perfs	CIBP

Customer Signature:	Basic Representative:	CHAD HINZ
	Basic Signature:	
	Date of Service:	8/11/2017

O'Brien Energy Resources, Corp.
Cimarron No. 1-34, Mohler Field
Section 34, T33S, R29W
Meade County, Kansas
July, 2017

Well Summary

The O'Brien Energy Resources, Cimarron No. 1-34 was drilled to a total depth of 6450' in the St. Louis Formation. It was drilled ½ mile North of the Mohler No. 1-34 and due West of the Getty Oil, Mohler No. 4. Formation tops ran high to both of these offsets. The Heebner and Marmaton came in 15' high relative to the Mohler No. 1-34. The Morrow ran 12' high. Structure was gained as the Chester and Ste. Genevieve came in 25' high and the St. Louis, 20' high. The porosity show interval in the St. Louis (6290'-6300') ran 31' high. This interval consists of a Limestone: Mottled brown to buff, biomicrite, brittle, clean, very fossiliferous with interparticle porosity, trace intercrystalline porosity, bright light yellow to orange hydrocarbon fluorescence, excellent streaming cut, light brown oil stain and live oil when crushed, slight oil odor. A 160 Unit gas increase was documented.

An excellent live oil show was documented from a two foot Morrow "B" Sandstone interval (5743'-5745') along with a 180 Unit gas kick: Sandstone (6% sample): Light brown, clear, occasionally speckled green with glauconite, clean, good visible intergranular porosity, light brown oil stain and trace live oil and gas bubbles when crushed, bright light yellow hydrocarbon fluorescence and excellent streaming cut.

Additional minor shows occurred in the Chester and Marmaton.

4 ½" production casing was run to further evaluate the above mentioned shows.

Respectfully Submitted,

Peter Debenham

WELL DATA

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

Prospect Geologist: Ed Schuett, David Ward

Well: Cimarron No. 1-34, Mohler Field

API: 15-119-21409

Location: NE SW SE NE, 2292' FNL & 750' FEL, Section 34, T33S, R29W, Meade County, Kansas – South of Meade.

Elevation: Ground Level 2490', Kelly Bushing 2503'

Contractor: Duke Drilling Rig No. 9, Type: Double jackknife, double stand, Toolpusher Emidgio Rojas, Drillers: Emigidio Rojas, Alejandro V., Fernando Jurado

Company Man: Dana Greathouse

Spud Date: 7/24/17, 7:45 pm.

Total Depth: 7/30/17, Driller 6450', Logger 6443', St. Louis Fm.

Casing Program: 35 joints of new 8 5/8", J55 STC, 24Lbs/ft, set at 1487', 153 joints of 4 1/2" production casing set to TD.

Mud Program: Winter Mud, engineer Drew Smith, Theran Hegwood, mud up 2600'.

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

Samples: 30' to 4600', 20' to TD. Dry cut sent to KGS sample log library.

Electric Logs: Weatherford, engineer Justin Hicks, 1) Array Induction, 2) Neutron Density, 3) Microlog, 4) Sonic – Hi Res. repeat.

Status: 4 1/2" production casing set to TD on 7/31/17.

WELL CHRONOLOGY

6 AM			
<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
7/24	370'	370'	Load out rig and work on draw works. Spud in 12 1/4" surface hole(7:45 pm) and drill to 370'.
7/25	1495'	1125'	Surveys(1 - 1 1/4 deg.). To 1495' and circulate. Trip out and run and cement 35 joints of 8 5/8" set 1487', cement did circulate, services by Basic. Plug down 3:30 pm. Nipple up and pressure test BOP.
7/26	2680'	1185'	Pressure test BOP to 1500 PSI/15 minutes. Drill plug and cement and 7 7/8" hole to 1720' and trip for Bit No. 3. Clean pits and survey(3/4 deg.). Service rig and displace mud system at 2600'.
7/27	4190'	1510'	Survey(1 deg.).
7/28	5013'	825'	Surveys(1 1/4 - 3/4 deg.). To 5013' and circulate and wiper trip 57 stands and circulate.
7/29	5958'	945'	Survey(3/4 deg.). Clean suction pit and service rig.
7/30	6450'TD	492'	To TD and circulate and short trip 27 stands and circulate. Trip out and run ELogs. Trip in and circulate. Unload and strap casing.
7/31	TD		Drop survey(1 deg.) and trip out laying down and run and cement 4 1/2" production casing to TD. Rig down.

BIT RECORD

<u>NO.</u>	<u>MAKE</u> <u>HOURS</u>	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	<u>FOOTAGE</u>	
1		PL 616	12 1/4"	1487'	1487'	10 1/2
2		QX 28	7 7/8"	1720'	233'	1/1/2
3		VLT 616	7 7/8"	6450'	4730'	84 1/2
Total Rotating Hours:					96 1/2	
Average:						66.8 FT

MUD PROPERTIES

<u>DATE</u> <u>LBS/BBL</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-</u>
7/19	--	8.3	make up water						
7/24		8.3							
7/25	1412'	9.4	33	5	10	8.5	n/c	66K	8
7/26	1923'	9.2	28	1	2	9.0	n/c	58.5K	--
7/27	3476'	9.0	45	11	18	8.5	18.0	6.7K	6
7/28	4752'	9.0	40	12	5	10.5	12.0	4.5K	4
7/29	5462'	8.9	55	16	9	7.6	10.5	3.6	8
7/30	6350'	9.0	55	18	9	7.6	10.0	3.8	8

DEVIATION RECORD - degree

763' 1, 1495' 1 ¼, 3559' 1, 4537' 1 ¼, 5519' 1, TD 1

ELECTRIC LOG FORMATION TOPS- KB Elev. 2553'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Mohler No. 1-34</u>	
			<u>DATUM</u>	<u>POSITION</u>
Surface Casing	1485'			
Heebner	4364'	-1861'	-1875'	+12'
Toronto	4394'	-1891'	-1906'	+15'
Lansing	4463'	-1960'	-1976'	+16'
Marmaton	5172'	-2669'	-2684'	+15'
Marmaton "C"	5230'	-2727'	-2748'	+21'
Cherokee	5348'	-2845'	-2880'	+35'
Atoka	5566'	-3063'	-3078'	+15'
Morrow	5698'	-3195'	-3207'	+12'
Morrow "B" SS	5743'	-3240'	-3246'	+6'
Mississippi Chester	5786'	-3283'	-3309'	+26'
Ste. Genevieve	6120'	-3617'	-3642'	+25'
St. Louis	6228'	-3725'	-3745'	+20'
St. Louis show	6290'	-3787'	-3818'	+31'
TD	6450'	-3940'		

*O'Brien Energy, Mohler No. 1-34, 660' FSL & 900' FEL, Sec. 34 – approximately ½ mile to the South, K.B. Elev. 2506'.