

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 Date Reached TD Completion Date or Recompletion Date

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)</i> <i>(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	PREEDY 6-8
Doc ID	1430470

Tops

Name	Top	Datum
Heebner	4396	-1764
Toronto	4422	-1790
Lansing	4546	-1914
Marmaton	5195	-2563
Cherokee	5367	-2735
Atoka	5621	-2989
Morrow	5682	-3050
Mississippi Chester	5796	-3164
Basal Chester	5992	-3340
Ste. Genevieve	6032	-3400
St. Louis	6141	-3509
Spergen	6299	-3667





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

**PRESSURE PUMPING** Job Log

Customer:	Obrien Energy	Cement Pump No.:	38750-19842	Operator TRK No.:	78938 Ruben	
Address:	18 Congress St. Suite 207	Ticket #:	1718 15928 L	Bulk TRK No.:	19827-19808 oscar	33021-14284 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.:	Preedy 6-8	Well Location:	8,33,29	County:	Meade	State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-CON' BLEND	375	3%CALCIUM CHLORIDE,1/4#POLYFLAKE,2%WCA1	19827-19808 oscar	Front	Back
Premium Plus Cement	150	2%CALCIUM CHLORIDE,1/4#POLYFLAKE	33021-14284 Willie	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
<b>Lead:</b>	11.4	2.95	18.1	1106.25	Man Hours:	44
<b>Tail:</b>	14.8	1.34	6.33	201	# of Men on Job:	4

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
12:00							ON LOCATION
12:30							RIG UP
1:00 PM							SAFETY MEETING
4:03 PM	0.3	0.4				1500	PRESSURE TEST
4:05 PM	5	197					PUMP 375SX @11.4#
16:50	5	35.7					PUMP 150SX @14.8#
17:00							DROP PLUG
5:01 PM	5	10				100	DISPLACEMENT
	5	20				100	
	5	35				100	GOT CEMENT RETURNS
	5	40				100	
	4.9	50				150	
	4.9	60				200	
	4.7	70				270	
17:20	2	87				300	SLOW RATE
17:30	2	95				800	PLUG LANDED
17:33							RELEASE PRESSURE/ FLOAT HELD-0-PSI
							SHUT DOWN RIG DOWN
							60 BBLs OF CEMENT RETURN TO SURFACE

Size Hole	12 1/4	Depth	1535'		TYPE	
Size & Wt. Csg.	8 5/8 24#	Depth	1534.18'	New / Used	Packer	Depth
tbg.		Depth			Retainer	Depth
Top Plugs	1492.12'	Type			Perfs	CIBP

Customer Signature: <i>Robert D. Roub...</i>	Basic Representative:	RUBEN MARTINEZ
	Basic Signature:	<i>[Signature]</i>
	Date of Service:	9/13/2018



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

**PRESSURE PUMPING**

**Job Log**

Customer:	Obrien Energy	Cement Pump No.:	38119-19570 7 HRS	Operator TRK No.:	96815
Address:	18 Congress St. Suite 207	Ticket #:	1718-15916 L	Bulk TRK No.:	30464-19883
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 Cement Production Casing		
Service District:		Well Type:	OIL		
Well Name and No.:	Preeedy 6-8	Well Location:	6,33,29	County:	Meade State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
AA-2	330	5%W-60, 10%SALT, .5%C-17, 1/4#C-41P, 5#GILSONITE	30464-19883	Front	Back
				Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
<b>Lead:</b>	14.8	1.51	6.65	498.3	Man Hours:	26
<b>Tail:</b>					# 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.
3:15						3300	TEST LINES
3:20 AM	3	12				140	PUMP MUD FLUSH
3:24 AM	4.5	5				200	H2O SPACER
3:27 AM							PLUG RAT & MOUSE
3:38	7					210	START SCAVENGER@ 12.5#
3:41	8	22				200	ON TAIL @ 14.8#
3:55 AM		62					SHUT DOWN DROP PLUG WASHUP
3:58	6.1					110	START DISPLACEMENT
4:15	3	89				650	SLOW RATE
4:18		99				600-1680	PLUG DOWN
4:23							RELEASE PSI, FLOAT HELD
							JOB COMPLETE
							THANK YOU FOR YOUR BUSINESS!!!

Size Hole	7 7/8	Depth	6350'		TYPE	
Size & Wt. Csg.	4 1/2	Depth	6337.25'	New / Used	USED	Packer
tbg.		Depth				Retainer
Top Plugs		Type				Perfs

Customer Signature: *X Casey Boats*

Basic Representative: CHAD HINZ

Basic Signature: *[Signature]*

Date of Service: 9/20/2018

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

**Preedy No. 6-8**

**Section 8, T33S, R29W**

Meade County, Kansas

September, 2018

**Well Summary**

The O'Brien Energy Resources Preedy No. 6-8 was drill to a total depth of 6350' without any problems. It offset the Preedy No. 2-8 by approximately 660' to the SW. The Cherokee, Atoka and Morrow came in 3', 4' and 6' low relative to this offset. The primary object Morrow "C" Sandstone(5748'-5758') came in 2' low and consists of a Sandstone in 6% of the samples: Medium to light brown with oil stain, friable to hard, very fine upper to fine upper well sorted subround grains, siliceous cement, clean, slightly calcareous, good intercrystalline and vuggy porosity, occasionally very siliceous and tight, bright orange hydrocarbon fluorescence in all the sand with excellent streaming cut, brown matrix oil stain, live oil and gas bubbles when crushed, slight oil odor, excellent show. A 130 Unit gas increase was noted on the hotwire.

Several minor shows were documented in the Cherokee, Atoka and Basal Chester.

4 ½" production casing was run on the Preedy No. 6-8 for Morrow "C" oil production.

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: Preedy No. 6-8, Angell South Field

API: 15-119-21426

Location: SW SE NE NE, 1028'FNL & 478'FEL, Section 8, 33S, R29W, Meade Co.  
Kansas – Southeast of Plains.

Elevation: Ground Level 2619', Kelly Bushing 2632'

Contractor: Duke Drilling Rig No. 7, Type: Double jackknife, double stand, Toolpusher  
Galen Roach, Drillers: Craig Merten, Scott Edwards, Steven Green

Company Man: Dana Greathouse, Casey Coates

Spud Date: 9/11/18

Total Depth: 9/19/18, Driller 6350', Logger 6348', Spergen Formation

Casing Program: 36 joints of 8 5/8", J-55, 24Lbs/ft, set at 1528'. 4 1/2" production casing set  
at 6335'.

Mud Program: Winter Mud, engineer Theran Hegwood, Don Ray Winter, Chemical  
gel/LCM, displaced 2638'.

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.

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

Status: 4 1/2" production casing set to TD on 9/19/18 to production test the  
Morrow "C" Sandstone.



**WELL CHRONOLOGY**

<b>AM Report</b>			
<b><u>DATE</u></b>	<b><u>DEPTH</u></b>	<b><u>FOOTAGE</u></b>	<b><u>RIG ACTIVITY</u></b>
9/11			Move to location and rig up. Mix spud mud and spud in 12 ¼" surface hole.
9/12	500'	500'	Surface hole to 500'.
9/13	1480'	980'	Surveys(1/4 – 1 deg.).
9/14	1607'	127'	To 1535' and circulate and wiper trip. Run and cement 36 joints of 8 5/8" set at 1528'. Wait on cement, did circulate. Nipple up and pressure test BOP.
9/15	2585'	978'	Surveys(1/4 – ¾ deg.).
9/16	3795'	1210'	Surveys(1/2 – ¾ deg.). Displace mud system at 2638'.
9/17	4950'	1155'	Survey(1/2 deg.).
9/18	5810'	860'	Wiper trip at 5013'.
9/19	6350'TD	540'	TD and circulate and wiper trip. Trip out for logs and run ELogs. Trip in and circulate.
9/20	TD		Trip out laying down and run and cement 4 ½" production casing set at 6335'. Rig down.

**BIT RECORD**

<b><u>NO.</u></b>	<b><u>MAKE</u></b>	<b><u>TYPE</u></b>	<b><u>SIZE</u></b>	<b><u>OUT</u></b>	<b><u>FOOTAGE</u></b>	
	<b><u>HOURS</u></b>					
1	J2	PDCL	12 ¼"	1535'	1535'	26 ¼
2	RR	J2	7 7/8"	1785'	250'	2 ¼
3	HTC	DP506	7 7/8"	6350'	4565'	74 ¾
						Total Rotating Hours: 103 ¼
						Average: 61.5 Ft/hr

**DEVIATION RECORD - degree**

200' ¼, 700' ¼, 1000' 1, 1400' ¾, 1732' ½, 2000' ¼, 2500' ¾, 3000' ½, 3500' ¾, 4000' 1, 4500' ½, 5000' 1, 5500' ¾, 6000' ¾, TD 1

**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>
9/11	0'	8.3	make up water						
9/12	886'	9.3	33	8	10	9.0	nc	4.9K	2
9/13	1535'	10.0	34	8	10	8.0	nc	27K	7
9/14	1705'	8.3							
9/15	2910'	9.0	56	9	30	11.0	nc	4.5K	2
9/16	3918'	9.0	36	10	13	11.5	32.0	6K	5
9/17	5013'	9.5	44	8	34	12.0	22.0	5.5K	4
9/18	5905'	9.4	44	15	10	11.5	8.0	4.4K	6

**ELECTRIC LOG FORMATION TOPS- KB Elev. 2632'**

<b><u>FORMATION</u></b>	<b><u>DEPTH</u></b>	<b><u>DATUM</u></b>	<b><u>*Preedy No. No. 2-8</u></b>	
			<b><u>DATUM</u></b>	<b><u>POSITION</u></b>
Casing	1529'			
Heebner	4422'	-1764'	-1766'	+2'
Toronto	4422'	-1790'	-1792'	+2'
Lansing	4546'	-1914'	-1912'	-2'
Marmaton	5195'	-2563'	-2563'	0'
Cherokee	5367'	-2735'	-2732'	-3'
Atoka	5621'	-2989'	-2985'	-4'
Morrow	5682'	-3050'	-3044'	-6'
"B" SS	NP			
"C" SS	5748'	-3116'	-3114'	-2'
Mississippi Chester	5796'	-3164'	-3152'	-12'
Basal Chester	5992'	-336'	-3350'	-10'
Ste. Genevieve	6032'	-3400'	-3384'	-16'
St. Louis	6141'	-3509'	-3494'	-15'
Spergen	6299'	-3667'		
TD	6350'			

\*O'Brien Energy Resources, Preedy No. 2-8, - approximately 660' to the NNE, KB Elevation 2670'.