



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
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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

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: \_\_\_\_\_



1152481

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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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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<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 (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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**O'Brien Energy Resources, Inc.**

**Utz No. A2-17, Angell South Field**

**Section 17, T33S, R29W**

Meade County, Kansas

February, 2013

**Well Summary**

Sever lost circulation occurred from a fractured zone and excellent drill break in the Marmaton from 5370' to 5380'. Attempts to gain circulation with 26 Lbs/bbl LCM mud failed. A cement squeeze of 150 sacks cement(45 bbls) failed to seal off the lost circulation zone. The well was dry drilled to 5430' with no returns and plugged and abandoned.

The Utz A2-17 was drilled 170' South of the Utz 2-17. The Heebner ran 24' low relative to this offset. The Lansing came in 25' low. Some thinning occurred and the Marmaton ran 11' low.

Some minor shows were documented in the Marmaton and consist of bright yellow hydrocarbon fluorescence on fracture faces in less than 1% of the samples and with fair streaming cut, no stain.

The Utz 2A-17 was plugged and abandoned 2/18/13.

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, Denver

Well: Utz No. A2-17, Angell South Field

API: 15-119-21335

Field: Angell South Field

Location: 2150' FNL & 1980' FEL, Section 17, T33S, R29W, Meade County,  
Kansas – 15 miles SE of Meade.

Elevation: Ground Level 2684', Kelly Bushing 2696'

Contractor: Duke Drilling Rig No. 6, Type: Double jackknife, triple stand, Toolpusher  
Rick Schollenbarger, Drillers: Juan Garcia, Danny White, Brett Bridwell

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 2/12/2013

Total Depth: 2/18/2013, Driller 5430', Logger – no logs, Marmaton

Casing Program: 35 joints of 8 5/8", J55, 24Lbs/ft, set at 1500'.

Mud Program: Winter Mud, Engineer Justin Whiting, Chemical gel/LCM. Displaced at  
2590'.

Wellsite Consultant: Peter Debenham with mudlogging trailer, Call depth 4000', Box 350,  
Drake, CO 80515, 720/220-4860.

Samples: 30' to TD.

Electric Logs: Lost circulation – no logs run.

Status: Plugged and abandoned 2/18/2013.

**WELL CHRONOLOGY**

<b><u>6 AM</u></b>	<b><u>DATE</u></b>	<b><u>DEPTH</u></b>	<b><u>FOOTAGE</u></b>	<b><u>RIG ACTIVITY</u></b>
	2/11			Move to location and rig up rotary tools. Mix spud mud.
	2/12	1370'	1370'	Mix spud mud. Drill rat hole and mouse hole. Spud in 12 ¼" surface hole to 1370. Survey(1 ¾ deg.) and service.
	2/13	2065'	695'	To 1500' and circulate and wait on cementers and trip out and rig up casing crew and run and cement 8 5/8". Plug down 8:15. Wait on cement and clean pits and nipple up and pressure test BOP to 500 PSI/15 min. Safety meeting and trip in with PDC and drill plug and cement.
	2/14	3820'	1755'	To 2598' and service rig and displace mud system. To 3820' and work stuck pipe and wait on nitrogen and pump same.
	2/15	4960'	1140'	Work stuck pipe and pull free. Service rig. To 4960'.
	2/16	5380'	420'	To 5009' and circulate. Whipper trip 27 stands. Trip in and circulate and drill to 5380' and lost circulation. Pull 10 stands and mix mud and LCM to 26 Lbs/bbl – no returns. Trip out.
	2/17	5430'TD	50'	Trip in and build volume and mix LCM(25 Lbs/bbl) and attempt to circulate – no returns. Wait on cementer and mix and pump 150 sacks(45 bbls) cement. Trip out and make up bit and wait on cement. Trip in and attempt to circulate – no returns. Blind drill 50' to 5430'.
	2/18	TD		Trip out. Trip in open ended and plug and abandon well. 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	RR	12 ¼"	1500'	1500'	18
3	MI611	PDC	7 7/8"	5430'	3930'	53 1/4
					Total Rotating Hours:	71 3/4
					Average:	75.7
					Ft/hr	

**DEVIATION RECORD - degree**

1500' 1 ¾, 2598' 3/4

**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>
2/12	643'	9.3	39	7	10	7.0	n/c	300	6
2/14	3604'	9.2	39	8	10	8.5	n/c	15.6k	4
2/15	4508'	9.3	47	12	14	9.5k	14.4	8.2k	2
2/16	5382'	8.7	48	14	14	11.0	9.2	1.8k	18
2/17	5430'	8.6	48	17	18	10.5	10.4	1.1	24

**SAMPLE FORMATION TOPS-** KB Elev. 2696'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Utz No. 2-17</u> <u>DATUM</u>	<u>POSITION</u>
Casing	1500'			
Heebner	4495'	-1799'	-1775'	-24'
Lansing	4643'	-1947'	-1922'	-25'
Marmaton	5288'	-2592'	-2581'	-11'
TD	5430'	-2734'		

\*Utz No. 2-17, 1980' FNL & 1980' FEL, sec. 17 – 170' to the North, KB Elev. 2697'.





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

**Cement Report**

Customer	O'Brien Energy	Lease No.		Date	2-13-13
Lease	UTZ	Well #	2-17A	Service Receipt	
Casing	4 5/8	Depth	1490	County	Meade
Job Type	Surface	Formation		State	KS
				Legal Description	17-33-29

Pipe Data		Perforating Data		Cement Data
Casing size	4 5/8	Tubing Size		Lead
Depth	1490	Depth		@ 11.4#
Volume	92	Volume		2.95 18.10
Max Press		Max Press		Tail in 150 SK P.P.
Well Connection	P.C.	Annulus Vol.		@ 14.8#
Plug Depth		Packer Depth		1.34 6133

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
05:00					Trucks on loc, spot & R.O. Safety met
06:42	240		0	5	Start Mixing @ 11.4#
07:26	160		010	1	All Tail @ 14.8#
07:47	0		36	0	Finished Mixing, Drop Plug
07:54	0		0	5	Start Disp
08:06	500		42	2	Slow Rate
08:13	1200		92	0	Plug Down
08:15	0				Release P.C. Float held
					Job Complete

Service Units	78939	37223.37726	1942719566	1027619883
Driver Names	CAINZ	R. Olds	V. Vasquez	E. Bermea

Roger Pearson  
Customer Representative

Verny Bennett  
Station Manager

Chris Aritz  
Cementer





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

**Cement Report**

Customer	① Brien Energy	Lease No.		Date	2-18-13
Lease	UTZ	Well #	2-17A	Service Receipt	03284
Casing		Depth		County	Meade
Job Type	241-PTA	Formation		State	KS
				Legal Description	17-33-29

Pipe Data		Perforating Data		Cement Data
Casing size	4 1/2" PP.	Tubing Size		Lead 100 sk Class C w/
Depth		Depth	From To	
Volume		Volume	From To	Tail in
Max Press		Max Press	From To	
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 trucks, rig up
					safety meeting / PSA
					Pressure test 500# - circ @ 2950'
3:00			24	3	Mix + pump 100 sk Premium Plus
					w/ 3% CC @ 14.8 ppg - 1.35 ft <sup>3</sup> /sk
					woc - tag up cement
			20	3	disp
1:30			13	3	mix + pump 50 sk @ 1550'
			18	3	disp plug
2:00			13	3	mix + pump 50 sk - 550'
			6	3	disp plug
2:30			5		mix + pump 20 sk - 60'
					circ cement to surface
3:15			13	3	plug rat + mouse holes w/
					50 sks
					job complete

Service Units	34726	27462	10276-19883		
Driver Names	A Olivera	J Grijalva	C Tharwa		

R Pearson  
Customer Representative

J Bennett  
Station Manager

A Olivera  
Cementer