



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1113556
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: _____



1113556

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: 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> <input type="checkbox"/> Other <i>(Specify)</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	Utz 2-17
Doc ID	1113556

Tops

Name	Top	Datum
Heebner	4472	-1775
Toronto	4499	-1802
Lansing	4619	-1922
Marmaton	5278	-2581
Cherokee	5454	-2757
Atoka	5718	-3021
Morrow	5768	-3071
Mississippi Chester	5898	-3201
Ste. Genevieve	6124	-3427

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 05, 2013

Joseph Forma
O'Brien Energy Resources Corp.
18 CONGRESS ST, STE 207
PORTSMOUTH, NH 03801-4091

Re: ACO1
API 15-119-21327-00-00
Utz 2-17
NE/4 Sec.17-33S-29W
Meade County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,

Joseph Forma
Vice President
O'Brien Energy Resources Corp.

O'Brien Energy Resources, Inc.
Utz No. 2-17, Angell South Field
Section 17, T33S, R29W
Meade County, Kansas
December, 2012

Well Summary

The O'Brien Energy Resources, Corporation, Utz No. 2-17 was drilled to a total depth of 6210' in the Mississippi Ste. Genevieve Formation. Sever lost circulation problems occurred starting in the lower Lansing at 5060' (120 bbls) and 5114' (100 bbls) and necessitated running a high LCM mud system and at times drilling with slow or partial returns and with partial pump pressure. Total lost circulation occurred at 6110' and was called TD. 38 stands were tripped out and over 1000 barrels of 26+ Lbs/bbl LCM mud was mixed and lost down hole without gaining any returns. The decision was made to run 4 ½" production casing to complete the Morrow "B" Sandstone. Casing became stuck at 5100' and at the same place lost circulation was first noted. Two attempts were made to free the casing by blowing Nitrogen to no avail. Attempts will be made to run a liner through the 4 ½" for completion.

The Utz No. 2-17 was drill approximately 1400' south/southwest of the Rickers Ranch No. 7-17. Formation tops ran consistently high relative to this offset. The Heebner, Toronto and Lansing ran 9' to 11' high. The Marmaton, Cherokee and Atoka ran 11', 14' and 11' high respectively. The Morrow and Morrow "B" Sandstone came in 12' high. The Mississippi Chester 12' high and the Ste. Genevieve, 20' high.

Numerous hydrocarbon shows were documented. The Morrow "B" Sandstone(5802'-5836') consists of A Sandstone in up to 20% of the samples. The upper "B" Sandstone interval(app. 5802'-5820'): White, translucent, speckled green and salt and pepper, hard to friable, fine lower to fine upper, well sorted subround to round grains, siliceous cement, calcareous, clean to argillaceous in part, tight to good intergranular porosity, light mottled blue hydrocarbon fluorescence, occasionally light yellow fluorescence, slow streaming to bleeding cut, no stain, gas bubbles when crushed, show dissipates when dried. 70 to 90 Units of gas was documented on the hotwire.

The lower section of the "B" Sandstone(app. 5820'-5836') contained an oil show consistent with the Rickers Ranch North 7-17: Light brown, salt and pepper, speckled green, very light brown to clear and translucent, very friable to hard in part, fine lower, well sorted subround to round grains, siliceous cement, calcareous, clean, glauconitic in part, occasionally excellent intergranular porosity, trace course vuggy porosity, bright light yellow to blue green hydrocarbon fluorescence(most the Sandstone) and pale mottled blue fluorescence, excellent fast streaming cut, light brown oil stain and live oil and gas bubbles when crushed, good oil odor. A gas increase of 110 Units was noted.

A very upper Morrow Sandstone was documented from 5784' to 5788' and contained a similar fine grained Sandstone as documented as in the "B" and contained a light yellow hydrocarbon fluorescence in 1% of the samples and with a good streaming cut and trace light oil stain. No gas increase was noted.

A very lower Morrow Sandstone was documented from 5882' to 5890' and with an associated 50 Unit gas increase and associated oil show. Samples were somewhat confusing do to slower returns and might actually be sands documented in 'B'.

Additional minor shows occurred in the lower Lansing, Marmaton, Cherokee, Atoka and lower Chester(attached mudlog).

The Upper Chester consists of a Limestone: light mottled orange to brown, biomicrite, microcrystalline, subchalky, microsucrosic in part, brittle, clean, very fossiliferous with good interpartical porosity, trace intercrystalline porosity, mottled yellow blue hydrocarbon fluorescence in 15% of the samples, fair to good streaming cut, light oil stain, no visible live oil. No gas increase was documented. The abundance of LCM in the mud system greatly reduces gas readings.

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. 2-17, Angell South Field

API: 15-119-21327

Field: Angell South Field

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

Elevation: Ground Level 2685', Kelly Bushing 2697'

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

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 12/1/2012

Total Depth: 12/8/2012, Driller 6210', Logger – no logs, Mississippi Ste. Genevieve

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

Mud Program: Winter Mud, Engineer Theran Hegwood, 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 4700', 20' to TD. Zones of interest saved.

Electric Logs: Lost circulation – no logs run.

Status: Waiting on slim hole tools and liner to attempt completion.

WELL CHRONOLOGY

<u>6 AM</u>	<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
	11/29			Finish laying down drill pipe and collars on the Singley West 5-29. Rig up casing crew and run and cement 4 1/2" production casing. Plug down 10:15 am. Rig released 2:15 pm.
	11/30			Move to location and rig up rotary tools. Mix spud mud and drill rat hole and mouse hole.
	12/1	1200'	1200'	Spud in 12 1/4" surface hole to 1200'. Repair chain.
	12/2	1667'	479'	To 1500' and circulate and trip out. Rig up casing crew and run and cement 8 5/8" to 1500'. Nipple up. Go in hole and fix rotoary table lock. Drill cement and plug and new hole to 1679'.
	12/3	2960'	1281'	Wait on mechanic and fix low jack. Repair and change out right chain. Survey(1 – 1/2 deg.) and service rig. Clean suction.
	12/4	4400'	1440'	
	12/5	5125'	725'	To 5021' and run survey(3/4 deg.). Circulate and condition mud and wiper trip and clean suction. Drill to 5060' and lost circulation(120 bbls). To 5114' and lost circulation(100 bbls). Trip out 5 stands and mix mud and LCM and circulate. Trip in and drill to 5125' with slow returns and with 8 Lbs/bbl LCM mud.
	12/6	6110'	995'	
	12/7	6210'	110'	To 6210' and lost circulation. Mix mud and LCM – no returns. Trip out 38 stands and mix mud and LCM to 26 bbls/bbl with no returns. Pump 200 bbls through bit and mix mud – no returns. Pumped and lost approxamitley 1000 bbls mud. Trip in and wash down 4 stands and mix mud – no returns. Trip out laying down drill pipe.
	12/8	TD		Lay down drill pipe and rig up casing crew and run casing. Work stuck casing at 5100'. Wait on nitrogen and blow down same – no go. Rig down nitrogen truck and wait on orders. Wait on nitrogen and blow down. No go, still stuck. Release rig. Will attempt to run in with slim hole bit and clean hole and run and cement liner through 4 1/2" casing with a pulling unit.

BIT RECORD

<u>NO.</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>
1	HTC	RR	12 1/4"	1500'	1500'	20 3/4
3	Milo	PDC	7 7/8"	6210'	4710'	84
Total Rotating Hours:						104 3/4
Average:						59.28 Ft/hr

DEVIATION RECORD - degree

612' 1/4, 1500' 1 3/4, 2024' 1, 2500' 1/2, 5021' 3/4

MUD PROPERTIES

<u>DATE</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-LBS/BBL</u>
11/30	Spud mud								
12/2	1550'	8.3	27	0	0	8.0	nc	2000	0
12/3	2150'	8.3	27	3	1	8.0	nc	2200	0
12/4	3800'	9.1	38	10	6	9.0	15.0	4000	8
12/5	5000'	9.1	45	13	7	9.5	8.4	3000	8
12/7	6210'	8.6	38	10	6	9.5	8.8	2100	26

SAMPLE FORMATION TOPS- KB Elev. 2697'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Rickers Ranch North No. 7-17</u>	
			<u>DATUM</u>	<u>POSITION</u>
Casing	1500'			
Heebner	4472'	-1775'	-1783'	+9'
Toronto	4499'	-1802'	-1813'	+11'
Lansing	4619'	-1922'	-1933'	+11'
Marmaton	5278'	-2581'	-2595'	+14'
Cherokee	5454'	-2757'	-2779'	+22'
Atoka	5718'	-3021'	-3035'	+14'
Morrow	5768'	-3071'	-3083'	+12'
Morrow "B" SS	5802'	-3105'	-3117'	+12'
Base Morrow "B" SS	5836'	-3139'	-3147'	+8'
Mississippi Chester	5898'	-3201'	-3213'	+12'
Ste. Genevieve	6124'	-3427'	-3447'	+20'
TD	6210'	-3513		

*O'Brien Energy Resources, Rickers Ranch North No. 7-17, 660'FNL & 1650'FEL, Sec. 17, app. 1400' to the N/NE, K.B. Elev. 2697'.

Cement Report

Customer O'Brien Energy		Lease No.		Date 12-2-12	
Lease UTZ		Well # 2-17		Service Receipt 033	
Casing		Depth		County Maize	
Job Type 242 8 5/8 surface		Formation		Legal Description	
State KS					
Pipe Data			Perforating Data		
Cement Data					
Casing size 8 5/8" 24"	Tubing Size	Shots/Ft		Lead 400 sk	
Depth 1500'	Depth	From	To	A-Con	
Volume 92 bbl	Volume	From	To		
Max Press 1600	Max Press	From	To	Tail in 150 sk	
Well Connection TD-1500'	Annulus Vol.	From	To	Class C	
Plug Depth 55-42'	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00					on loc-site assessment
6:15					spot trucks - rig up
7:00					safety meeting JSA
7:00					CSG on btm, break circ
					mix & pump 400 sk A-Con w/ 3% Calcium Chloride, 1/4# Polyflake, 2% @ 11.4 pp - 2.95 ft ³ - 18.10 gal/sk
7:30	200		210	4	
8:20	100		36	4	switch to 150 sk Premium Plus w/ 2% Calcium Chloride, 1/4# polyflake @ 14.8 pp - 1.34 ft ³ /sk - 6.33 gal/sk
8:30	0		0	4	drop plug, disp CSG
8:50	400		70	2	slow rate last 20 bbl of disp
8:55	500		80	1	slow rate again last 10 bbl
9:00	1100		93	0	land plug, float hold circ cut to surface job complete
Service Units	19902	27462	19883-10276	22808-19209	
Driver Names	Adler	J. Gajda	S. Chantz	E. Bennett	

R. Pearson

Customer Representative

J. Bennett

Station Manager

Adler

Cementer

Ut Drill
Uz #2

1/4/13
#5545

reimbursement

(629-1505) call

36004

Plains Ready Mix

"ALL TYPES CONCRETE WORK"

100 GREENSBORO

PLAINS, KANSAS 67869

PHONE: 620-563-9382

ORDER NO. _____

DATE 12-13-12

SOLD TO Roger Pearson

ADDRESS 3 on Rd 5 -> Rd. U 4 1/2 mi E -> 1/2 mi S. -> E onto location

DELIVER TO _____

<input checked="" type="checkbox"/> CASH	CHARGE	TRUCK	DRIVER	Time OUT	
				Time IN	

QUANTITY	DESCRIPTION	PRICE	AMOUNT
<u>3</u>	CUBIC YARDS CONCRETE <u>FF</u>	<u>80.50</u>	<u>241.50</u>
	% CALCIUM CHLORIDE		
	WATER REDUCER		
	OZ. AIR ENTRAINING		
	HOT WATER		
	FIBER		
	ROCK		
<u>10</u>	MILEAGE @ <u>4.00</u> PER CUBIC YD MILE HAUL		
	HOURS WAITING TIME		<u>40.00</u>
	GALLONS WATER ADDED ON JOB		
	SERVICE CHARGE - FOR UNDER 3 YARDS		
			<u>281.50</u>

IMPORTANT
Not responsible for any damage done by truck after leaving street right of way. NO CREDIT for returned concrete.
Unloading time allowed (1) hour.

RECEIPT AND RELEASE
This concrete designed in accordance to A.C.I. Standards.
Any water added to this design will be at purchaser's risk.
RECEIVED THE ABOVE MATERIAL IN GOOD CONDITION.

Sign Here _____

MECO
1.3%
TAX

20.55

TOTAL CHARGE 302.05

A SERVICE CHARGE of 2% per month, with an effective annualized rate of 24% will be charged upon all invoice amounts if not paid by the end of the month following the month on which the invoice is dated. The minimum SERVICE CHARGE shall be \$1.00 per month.

U+z 2-17

Comt to plug RHE
m H



Cement Report

Customer <i>O'Brien</i>	Lease No.	Date <i>12-20-12</i>
Lease <i>012</i>	Well # <i>2-17</i>	Service Receipt
Casing	Depth	County <i>Meade</i>
Job Type <i>242-4 1/2 Well</i>	Formation	State <i>KS</i>
Legal Description		

Pipe Data		Perforating Data		Cement Data
Casing size	Tubing Size <i>2 7/8"</i>	Shots/Ft		Lead <i>100 SK</i>
Depth	Depth <i>6114'</i>	From	To	<i>A-Sea</i>
Volume	Volume <i>35.3 bbl</i>	From	To	
Max Press	Max Press <i>1800#</i>	From	To	Tail in <i>200 SK</i>
Well Connection	Annulus Vol.	From	To	<i>AA2</i>
Plug Depth	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1:30</i>					<i>on loc - site assessment</i>
<i>1:45</i>					<i>spot trucks - rig up</i>
<i>2:00</i>					<i>safety meeting / JSA</i>
<i>2:50</i>					<i>pressure test 3000#</i>
<i>3:00</i>	<i>200</i>		<i>5</i>	<i>3</i>	<i>pump 5 bbl H₂O spacer</i>
<i>3:02</i>	<i>200</i>		<i>12</i>	<i>3</i>	<i>pump 12 bbl mud flush</i>
<i>3:07</i>	<i>200</i>		<i>5</i>	<i>3</i>	<i>pump 5 bbl H₂O spacer</i>
<i>3:10</i>	<i>200</i>		<i>35</i>	<i>3</i>	<i>mix + pump 100 sk A-Sea Lite</i>
					<i>@ 12.7# - 1.97 A3/sk</i>
<i>3:20</i>	<i>200</i>		<i>54</i>	<i>3</i>	<i>switch to tail 200 sk AA2 @</i>
					<i>14.8# - 1.51 A3/sk</i>
<i>3:45</i>					<i>wash lines</i>
<i>3:50</i>		<i>0</i>	<i>0</i>	<i>4</i>	<i>drop plug, disp csg</i>
<i>4:00</i>		<i>500</i>	<i>30</i>	<i>1</i>	<i>slow rate</i>
<i>4:00</i>	<i>10</i>	<i>1200</i>	<i>35</i>	<i>0</i>	<i>land plug float hold</i>

Service Units	<i>19902</i>	<i>27402</i>	<i>14359-14518</i>		
Driver Names	<i>Adair</i>	<i>J. G. G... ..</i>	<i>Shaver</i>		

Wages
Customer Representative

J. Bennett
Station Manager

A. O'Brien
Cementer