



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1212143
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: _____

1212143

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	Clayton 3-28
Doc ID	1212143

Tops

Name	Top	Datum
Heebner	4438'	-1861
Toronto	4466'	-1889
Lansing	4580'	-2003
Marmaton	5248'	-2671
Cherokee	5435'	-2858
Atoka	5630'	-3053
Morrow	5761'	-3183
Mississippi	5846'	-3269
Ste. Genevieve	6169'	-3592
St. Louis	6254'	-3677

O'Brien Energy Resources, Inc.

Clayton No. 3-28

Section 28, T33S, R29W

Meade County, Kansas

May, 2014

Well Summary

The Clayton No. 3-28 was drilled to total depth of 6415' in the St. Louis Formation in 8 days from spud to logs and setting 4 ½" production casing. Drilling time was 131 rotating hours.

The closest offset is the Clayton No. 2-28, approximately 1200' to the west. The Clayton No. 3-28 ran 13' to 23' low relative to this offset from the Heebner to the Ste. Genevieve. Thinning occurred and structure gained as the St. Louis came in 2' low.

Several prominent hydrocarbon shows were documented while drilling. The Lower Chester(6094'-6112') consists of a Limestone: Medium to dark mottled brown with oil staining, microcrystalline, sucrosic, brittle, clean fossiliferous and oolitic with occasional good oomoldic and fine vuggy porosity, intercrystalline porosity, dark brown matrix oil stain, dull mottled gold brown hydrocarbon fluorescence, good fast streaming cut, live oil and gas bubbles. A 460 Unit gas kick was documented.

An excellent live oil show occurred in the Upper St. Louis(6261'-6166') and consists of a Dolomite: Medium to dark brown, microcrystalline, sucrosic, clean, good intercrystalline porosity, gold brown hydrocarbon fluorescence with excellent streaming cut, excellent even brown matrix oil stain and live oil. 180 Units of gas was noted.

A very interesting show with excellent porosity development occurred from 6272' to 6285' and consists of a Limestone: Light brown, white, buff, occasionally medium brown, oobiomicrite, microcrystalline, microsucrosic to sucrosic in part, brittle, clean, very chalky in part, oolitic and fossiliferous with moldic and interpartical porosity, occasional good intercrystalline porosity, dull speckled gold brown hydrocarbon fluorescence, brown matrix oil stain, good to excellent streaming cut trace light brown live oil, very chalky in part with pale blue fluorescence, stain and fair cut. Some of the very moldic porosity contained no show. A 280 Unit gas increase occurred.

4 ½" production casing was run to TD on 5/16/14 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 and Dave Ward

Well: Clayton No. 3-28, Mohler Field

API No.: 15-119-21365

Location: 990'FSL & 1850'FEL, Section 28, 33S, R29W, Meade Co., KS – South of Meade.

Elevation: Ground Level 2566', Kelly Bushing 2577'

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

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 5/8/2014

Total Depth: 5/15/2014, Driller 6415', Logger 6413', St. Louis Fm.

Casing Program: 39 joints of 8 5/8", J55, 24Lbs/ft, set at 1492'. 4 1/2" production casing to TD.

Mud Program: Winter Mud, Engineer Don Ray Winter, displace 2618'.

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

Samples: 30' to 4700', 20' to 5200', 10' to TD. Dry sample cut sent to KGS Sample Log Library – Wichita, kS.

Electric Logs: Weatherford, engineer Derek Carter, 1) Array Induction, 2) Density/Neurton, 3) Microlog – High Res. repeat section.

Status: 4 1/2 " production casing to TD on 5/16/2014.

WELL CHRONOLOGY

10 PM	<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
	5/7			Move to location and rig up rotary tools. Mix spud mud.
	5/8	1390'	1390'	Rig up and mix spud mud. Drill rat hole and mouse hole. Spud in 12 ¼" surface hole(2 am) to 1390'. Survey(1/2 deg.).
	5/9	1492'	102'	To 1492' and circulate and trip out and run and cement 29 joints of 8 5/5" surface casing set at 1492'. Plug down 2pm – did circulate. Service rig and change out yoke on hydromatic and clutch on no. 2 and work on light plant. Safety meeting with Basic and wait on cement. Back off and nipple up BOP and make up bit and trip in and drill plug and cement. Cut off flow nipple.
	5/10	2685'	1193'	Drill plug and cement and 7 7/8" hole to 1709'. Trip for Bit No. 3. Service pump and mud lines. Trip in and drill to 2685'. Survey(1 deg.) and clean suction. Service spinning chain. Displace mud system at 2618'.
	5/11	3810'	1125'	Clean suction.
	5/12	4965'	1155'	Survey(1 deg.) Change out rod packing and service rig. Very high winds.
	5/13	5730'	765'	To 5002' and circulate and wiper trip. Survey(1 ¼ deg.).
	5/14	6410'	680'	Service rig and change out rod packing.
	5/15	6415'TD	5'	To 6415'TD and circulate. Wiper trip 42 stands and circulate and condition hole. Trip out for logs and run Elogs. Trip in and circulate. Trip out laying down and run and cement 4 ½" production casing to TD.
	5/16	TD		Run and cement production casing. Rig down.

BIT RECORD

<u>NO.</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	<u>FOOTAGE</u>	
	<u>HOURS</u>					
1		GAIPGC	12 ¼"	1492'	1492'	23 1/2
2		HCl-20G	7 7/8"	1709'	217'	4 ½
3		DP506	7 7/8"	6415'	4706'	103
1/4						

Total Rotating Hours: 131
 1/4
 Average: 48.9
 ft/hr

DEVIATION RECORD - degree

524' 3/4, 988' 3/4, 1492' 1, 2023' 1, 3965' 1, 5567' 1 1/4, TD 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>WL</u>	<u>pH</u>	<u>CL</u>	<u>LCM-</u>
5/7	Spud								
5/8	525'	9.5	34	8	4	nc	9.0	900	6
5/9	1492'	run casing							
5/10	1900'	9.1	27	1	1	nc	8.0	60K	--
5/11	3227'	8.9	40	10	15	22	9.0	8.2K	3
5/12	4290'	9.4	54	18	10	10.4	8.5	5.4K	4
5/13	5220'	9.3	49	16	10	10.0	8.5	4.4K	4
5/14	6128'	9.1	57	25	13	6.4	9.0	2.0K	5
5/15	6415'TD	9.4	61	25	20	6.0	8.0	2.5K	10

ELECTRIC LOG FORMATION TOPS- KB Elev. 2577'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Clayton No. 2-28</u>	
			<u>DATUM</u>	<u>POSITION</u>
Surface casing	1488'			
Heebner	4438'	-1861'	-1838'	-23'
Toronto	4466'	-1889'	-1863'	-26'
Lansing	4580'	-2003'	-1985'	-18'
Marmaton	5248'	-2671'	-2656'	-15'
Cherokee	5435'	-2858'	-2842'	-13'
Atoka	5630'	-3053'	-3033'	-17'
Morrow	5761'	-3183'	-3164'	-19'
Mississippi Chester	5846'	-3269'	-3271'	-22'
Ste. Genevieve	6169'	-3592'	-3575'	-17'
St. Louis	6254'	-3677'	-3668'	-2'
TD	6415'	-3838		

*O'Brien Energy, Clayton No. 2-28, 335'FNL & 2281'FWL, Section 28, 33S, 29W, K.B. Elevation 2603', app. 1200' to the West.