

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 \_\_\_\_\_

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	CHARITY MAY 1A-9
Doc ID	1422172

Tops

Name	Top	Datum
Heebner	4433	-1789
Toronto	4453	-1809
Lansing	4578	-1934
Marmaton	5232	-2588
Cherokee	5410	-2766
Atoka	5672	-3028
Morrow	5732	-3088
Mississippi Chester	5878	-3234
Basal Chester	6066	-3422
Ste. Genevieve	6108	-3464
St. Louis	6084	-3440





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

**Job Log**

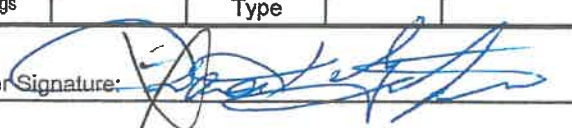
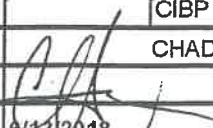
Customer:	Obrien Energy	Cement Pump No.:	38119-19570 6 HRS	Operator TRK No.:	96815
Address:	18 Congress St. Suite 207	Ticket #:	1718-15757 L	Bulk TRK No.:	19827-19808 30463-37547
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 Cement Surface Casing		
Service District:		Well Type:	OIL		
Well Name and No.:	Charity May 1A-9	Well Location:	9,33,29	County:	Meade State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-CON	375	3%CaCl, 1/4#POLYFLAKE, .2%WCA-1	19827-19808	Front	Back
PREMIUM PLUS	150	2%CaCl, 1/4#POLYFLAKE	30463-37547	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:	27 ✓
<b>Tail:</b>	14.8	1.34	6.33	201	# of Men on Job:	3

Time (am/pm)	Volume (BBLs)	Pumps		Pressure (PSI)		Description of Operation and Materials
		T	C	Tubing	Casing	
17:00						ON LOC, SAFTEY MTG, R.U.
21:00					1800	TEST LINES
9:03 PM	5.2				110	START LEAD @11.4#
9:47 PM	5.1	198			120	START TAIL @ 14.8#
9:52 PM		36				SHUT DOWN, DROP PLUG
21:54	5.5				90	START DISPLACEMENT, WASHUP
22:16	2.1	85			380	SLOW RATE
10:22 PM		94.5			500-1200	PLUG DOWN
22:25						RELEASE PSI, FLOAT HELD
						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!

Size Hole	12 1/4	Depth	1535		TYPE	
Size & Wt. Csg.	8 5/8 24	Depth	1526'	New / Used	Packer	Depth
tbg.		Depth			Retainer	Depth
Top Plugs		Type			Perfs	CIBP

Customer Signature:  Basic Representative: CHAD HINZ  
 Basic Signature:   
 Date of Service: 04/13/2018



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.:	38117-19919 Hrs	Operator TRK No.:	34726
Address:	18 Congress St. Suite 207	Ticket #:	1718 15712 L	Bulk TRK No.:	19827 Jesse
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 Cement Production Casing		
Service District:	1718 - Liberal, Ks.	Well Type:	OIL		
Well Name and No.:	Charity May 1A-9	Well Location:	9,33,29	County:	Meade State: Ks

Type of Cmt	Sacks	Additives	Truck Loaded On		
60/40 POZ	25		19827	Front	Back
AA2	185	5%w-60,10%salt,.6%c-15,1/4#defoamer,5#gilsonite	Jesse	Front	Back
				Front	Back

Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
<b>Lead:</b>	12	2.08	11.89	52	Man Hours:	27
<b>Tail:</b>	14.8	1.51	6.65	279.35	# of Men on Job:	3

Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
21:00							ON LOCATION
21:30							SAFETY MEETING
10:00 PM							RIG UP
12:50 PM							PRESSURE TEST TO 1500PSI
12:51 PM		12					PUMP RAT
12:59		6					PUMP MOUSE
1:05	6	11.9				110	PUMP MUD FLUSH
1:15 AM	6	9.2				110	PUMP SAVANGER
1:30	6	49.7				150	PUMP TAIL @14.8#
1:50							SHUT DOWN - WASH TO PIT - DROP PLUG
2:00	5	99.7				790	DIPLACEMENT WITH 3% KCL
2:14							LAND PLUG PRESSURE UP TO 1200
2:16							RELEASE BACK -- FLOAT HELD
							JOB COMPLETED
							THANK YOU

Size Hole	7 7/8"	Depth			TYPE	plug container	
Size & Wt. Csg.	4.5" 10.5#	Depth	6313'	New / Used	Packer	Depth	
lbg.		Depth			Retainer	Depth	
Top Plugs		Type			Perfs	QBP	

Customer Signature:

Basic Representative: Angel Echevarria  
 Basic Signature:   
 Date of Service: 6/20/2018

**O'Brien Energy Resources, Inc.**  
**Charity May No. 1A-9, Angell South Field**  
**Section 9, T33S, R29W**

Meade County, Kansas

June, 2018

**Well Summary**

The O'Brien Energy Resources, Charity May No.1A-9 was drilled to a total depth of 6350' in the Mississippian St. Louis/Spergen without any problems. Minor lost circulation of 220 bbls occurred at TD. It offset the Crooked Creek No. 4-8 by 867' to the East. Formation tops came in relative even to this offset. The Heebner to the Atoka ran 3' low to 4' high. The Morrow came in 6' low and the Morrow "B" Sandstone, 7' low. The Chester, Ste. Genevieve and St. Louis came in 12', 10' and 7' low respectively. The Charity May No. 1A-9 came in 6' low on top of the Morrow relative to the Cottrell No. 2-9, 854' to the South. The Morrow "B" Sandstone came in 1' high.

An excellent hydrocarbon show occurred in the Morrow "B" Sandstone(5761'-5802') and consists on a sandstone in up to 25% of the samples: Light brown, tan buff, occasionally medium brown and speckled green, friable, fine upper to fine lower well sorted subround grains, siliceous cement, slight calcareous, slightly glauconitic, clean, excellent intergranular porosity, occasional vuggy porosity, bright light yellow to pale blue hydrocarbon fluorescence in all the sand, good streaming cut, very light bleeding live oil and gas bubbles when crushed, good oil odor, show somewhat dissipates when dried. A 100 Unit gas increase occurred in the upper part of this sand with a somewhat better gas increase of 125 Units from the lower part. Also a slightly better show quality occurred in the lower section and just below a 2' shale break.

4 ½" production casing was run on the Charity May No.1A-9.

Respectfully Submitted,

Peter Debenham

## WELL DATA

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

Prospect Geologist: Paul Wiemann

Well: Charity May No.1A-9, Angell South Field

Location: 2204' FSL & 341' FWL, Section 9, T33S, R29W, Meade County, Kansas  
– Southeast of Plains.

Elevation: Ground Level 2631', Kelly Bushing 2644'

Contractor: Duke Drilling Rig No. 9, Type: Double jacknife, double stand, Toolpusher  
Emidgio Rojas, Drillers: Victor Martinez, Alejandro V., Fernando Juroeb

Company Man: Dana Greathouse

Spud Date: 6/12/18

Total Depth: 6/20/18, Driller 6350', Logger 6351', St. Louis Formation

Casing Program: 36 joints of 8 5/8", J-2, 24Lbs/ft, set at 1526', 4 1/2' production casing set  
to TD.

Mud Program: Service Mud/Mud Co, engineer Justin Whiting, displaced 2601', Chem.  
gel/LCM.

Wellsite Consultant: Peter Debenham with mudlogging trailer, Call depth 3600', Box 350,  
Drake, CO 80515, 720/220-4860.

Samples: 30' to 5700', 20' to TD. Sample cut sent to KGS Sample log library.

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

Status: 4 1/2" production casing run to TD on 6/20/18.



**WELL CHRONOLOGY**

<b><u>DATE</u></b>	<b><u>DEPTH</u></b>	<b><u>FOOTAGE</u></b>	<b><u>RIG ACTIVITY</u></b>
6/12	0'		Move to location, mix spud mud and spud in 12 ¼" hole.
6/13	330'	330'	Wait on mechanic and trip out and service mud pump.
6/14	1535'	1205'	Run and cement 36 joints of 8 5/8" surface casing set at 1526' – cement did circulate. Nipple up and trip in and pressure test BOP. Wait on cement. Drill plug and cement.
6/15	3020'	1485'	7 7/8" bit to 1627' and trip for Bit No. 3. Displace mud system.
6/16	4270'	1250'	
6/17	5150'	880'	Wiper trip at 5023'.
6/18	6110'	960'	Service pump.
6/19	6350'TD	240'	To TD and circulate. Lost circulation – 220 bbls. Trip 10 stands and mix mud and LCM. Trip in and circulate with full returns. Wiper trip 32 stands and circulate and trip out and run Elogs.
6/20	TD		Run logs. Trip in and circulate. Trip out laying down and run and cement 4 ½" production casing to TD. Rig down.

**BIT RECORD**

<b><u>NO.</u></b>	<b><u>MAKE</u></b> <b><u>HOURS</u></b>	<b><u>TYPE</u></b>	<b><u>SIZE</u></b>	<b><u>OUT</u></b>	<b><u>FOOTAGE</u></b>		
1	PLD616		12 ¼"	1535'	1535'	8 ½	
2	M1616		7 7/8"	1627'	92'	¾	
3	Mi616	PDC	7 7/8"	6350'	4723'	81 ¾	
						Total Rotating Hours:	90 ¾
						Average:	70
						Ft/hr	

**DEVIATION RECORD - degree**

711' ¾, 2601' ½, 1535' ¾, 3609' ¼, 4612' ½, 5684' ½

**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>
6/12	0'	Make up water							
6/13	526'	9.5	36	4	6	7.5	nc	425	8
6/14	1656'	8.8	29	2	2	7.0	nc	41.7K	0
6/15/18	3174'	9.3	34	4	4	7.0	nc	8.8K	2
6/16	4349'	9.3	50	17	18	9.5	10.4	6.8K	2
6/17	5304'	9.1	54	17	17	11.5	7.6	2.9K	3
6/18	6222'	9.3	54	17	21	11.0	8.0	2250	3
6/18	6350'	8.9	58	17	18	10.5	8.8	1900	10

**ELECTRIC LOG FORMATION TOPS- KB Elev. 2644'**

<b><u>FORMATION</u></b>	<b><u>DEPTH</u></b>	<b><u>DATUM</u></b>	<b><u>*Crooked Creek No. 4-8</u></b>	
			<b><u>DATUM</u></b>	<b><u>POSITION</u></b>
Casing	1526'			
Heebner	4433'	-1789'	-1786'	-3'
Toronto	4453'	-1809'	-1810'	+1'
Lansing	4578'	-1934'	-1930'	-4'
Marmaton	5232'	-2588'	-2592'	+4'
Cherokee	5410'	-2766'	-2766'	0'
Atoka	5672'	-3028'	-3025'	-3'
Morrow	5732'	-3088'	-3082'	-6'
"B" SS	5761'	-3117'	-3110'	-7'
Mississippi Chester	5878'	-3234'	-3222'	-12'
Basal Chester	6066'	-3422'		
Ste. Genevieve	6108'	-3464'	-3454'	-10'
St. Louis	6084'	-3440'	-3434'	-7'
TD	6350'			

\*O'Brien Energy Resources, Crooked Creek No. 4-8, 2271'FSL & 526'FEL, Sec. 8 – 867'' to the West, K.B. Elev. 2656'.