

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
--	---

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
---	--	------------------------------------

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	BROWN 1-5
Doc ID	1525111

Tops

Name	Top	Datum
Heebner	4467	-1761
Toronto	4490	-1703
Lansing	4608	-1902
Marmaton	5248	-2542
Cherokee	5422	-2716
Atoka	5679	-2973
Morrow	5746	-3040
Mississippi Chester	5936	-3230
Ste. Genevieve	6065	-3359
St. Louis	6174	-3468

QUALITY WELL SERVICE, INC.

7392

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	5-28-20	Sec.	5	Twp.	33	Range	29	County	Mead	State	KS	On Location		Finish	
Lease	BROWN		Well No.	1-5		Location W near To Rd. 9 75. E. into									
Contractor	Duke Rig 2							Owner							
Type Job	PTA							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	7 7/8		T.D.	6300											
Csg.	8 5/8		Depth	1573											
Tbg. Size			Depth												
Tool			Depth												
Cement Left in Csg.			Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line			Displace	Cement Amount Ordered 170 5/8 60/40 4/GEL											
EQUIPMENT										1/4" PS					
Pumptrk	No.	8		Common 102 SX											
Bulktrk	No.	7		Poz. Mix 60 SX											
Bulktrk	No.			Gel. 535 H											
Pickup	No.			Calcium											
JOB SERVICES & REMARKS										Hulls					
Rat Hole	30 SX							Salt							
Mouse Hole	20 SX							Flowseal 43 H							
Centralizers								Kol-Seal							
Baskets								Mud CLR 48							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
1 st @ 1620' 50 SX 60/40 4% GEL										Sand					
Pump H2O										Handling 174					
MIX + Pump 30 SX 60/40 4% GEL										Mileage 50 / 9800					
Pump H2O										FLOAT EQUIPMENT					
Pump Mud										Guide Shoe					
2 nd @ 550' 40 SX 60/40 4% GEL										Centralizer					
Pump H2O										Baskets					
MIX + Pump 40 SX 60/40 4% GEL										AFU Inserts					
Pump H2O										Float Shoe					
3 rd 60' 30 SX 60/40 4% GEL										Latch Down					
MIX + Pump 20 SX 60/40 4% GEL										SERVICE SUP 1 EA					
RAT + Mouse 30 SX + 20 SX 60/40 4% GEL										LMJ 50					
4% GEL										Pumptrk Charge PTA					
MIX + Pump 30 SX + 20 SX 60/40 4% GEL										Mileage 100					
										Tax					
										Discount					
										Total Charge					
Signature Mike Haffey															

QUALITY WELL SERVICE, INC.

7423

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

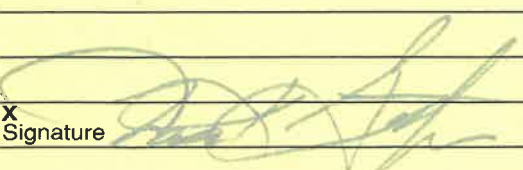
Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-21-20	5	33S	29W	MEADE	Ks		
Lease BROWN	Well No. 1-S	Location MEADE W on Hwy 54 to Rd 9					
Contractor DOLE OIL RIG #1	Owner 5 1/2 S E: Sinto			To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job SURFACE	T.D. 1539'			Charge To O'BREIN ENERGY RESOURCE CORP			
Hole Size 12 1/4	Depth 1573'			Street			
Csg. 85/3 24"	Depth			City			
Tbg. Size	Depth			State			
Tool	Shoe Joint 42.15			The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.	Displace 9755			Cement Amount Ordered 375x mpc 3/1 cc 1/2" PS			
Meas Line	EQUIPMENT			150 x Common 2/1 FEL 3/1 CC 1/2" PS			
Pumptrk 8 No.	Common 150 x						
Bulktrk 10 No.	Poz Mix 375 x						
Bulktrk 12 No.	Gel. 232*						
Pickup No.	Calcium 1482*						
JOB SERVICES & REMARKS				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal 262*			
Centralizers 1/2 W 1 1/2 JT -6-36				Kol-Seal			
Baskets 26				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
Ran 37 H's 24" CSG SET @ 1573'				Sand			
START CSG CSG ON BOTTOM DROP BALL				Handling 543			
Hook up to CSG & BREAK CIRC W/ RIG				Mileage 50/26,000			
START PUMPING H2O				5/8 FLOAT EQUIPMENT			
START MIX 375x mpc 3/1 CC 1/2" PS @ 11.9%				Guide Shoe 1 EA			
START MIX 158.9 Common 2/1 FEL 3/1 CC 1/2" PS @ 14.8%/C/L				Centralizer 3 EA			
SHUT DOWN RELEASE 85/3 TR P/26				Baskets 1 EA			
START DISC				AFU Inserts 1 EA			
Circ cut @ 40 Bbls out				Float Shoe 1 EA TOP RUBBER PLUG			
PLUG DOWN 1000' 98 Bbls out				Latch Down 1 EA H! M			
Good circ thru JOB				SERVICE SQU 1 EA			
RELEASE/HELD				LMV @ 50			
				Pumptrk Charge SURFACE III			
				Mileage 150			
				Tax			
				Discount			
				Total Charge			
Signature  5/21/20							

O'Brien Energy Resources, Inc.

Brown No. 1-5

Section 5, T33S, R29W

Meade County, Kansas

May, 2020

Well Summary

The Brown No. 1-5 was drilled to a total depth of 6300' in the St. Louis Formation. It ran low relative to the Keystone No. 1-5 4200' to the East. The Heebner and Atoka came in 7' low. The Morrow 16' low. The Chester, Basal Chester and Ste. Genevieve came in 1', 10' and 4' high respectively. The St. Louis came in 6' low.

The The Heebner, Lansing, Cherokee and Morrow ran 10', 12', 28' and 46' low relative to the Fossie Bolan No. 1 to the West.

No Morrow Sand development occurred in the Brown No. 1-5 and only minor hydrocarbon shows were noted in the Basal Chester. The Brown No. 1-5 was plugged and abandoned 5/28/2020.

Respectfully Submitted,

Peter Debenham

WELL DATA

Operator: O'Brien Energy Resources, Inc., Joe Forma – Portsmouth, NH

Prospect Geologist: David Ward, Ed Schuett

Well: Brown No. 1-5, Angell SE Field

API: 15-119-21444

Location: SW SW, 660'FSL & 660'FWL, Section 5, 33S, R29W, Meade Co. Kansas
– Southeast of Plains.

Elevation: Ground Level 2694', Kelly Bushing 2706'

Contractor: Duke Drilling Rig No. 1, T.P. Mike Godfrey, Drillers Saul and Carlos Garcia, Rosendo DeLacruz,

Company Man: Dana Geathouse

Spud Date: 5/20/2020, 7:15 am

Total Depth: 5/17/20, Driller 6300', Logger 6291', St. Louis Formation

Casing Program: 37 joints of 8 5/8", J-55, 24Lbs/ft, set at 1574' with 385 sacks A-Con blend(3%cc & ¼ lb flake) tail with 150 sacks Pem Plus(2%cc, ¼ bl Poly Flake), cement did circulate.

Mud Program: Winter Mud, engineer Theran Hegwood& Paul White, displaced 2614', Chemical gel/LCM.

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

Mudlogging trailer: MBC Logging, Meade.

Samples: 30' to 5600', 20' to TD.

Electric Logs: Wireland Logging Solutions engineer Brian Oetting, Array Induction, Compensated Neutron/Density, Microlog, Hi Res

Status: Plugged and abandoned.

WELL CHRONOLOGY

AM Report			
<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
5/20			Move to location and rig up. Mix spud mud. Drill rathole and mousehole. Spud in 12 ¼" surface hole((7:15).
5/21	1015'	1015'	Survey(3/4 deg.).
5/22	1584'	569'	To 1584' and circulate with slow returns. Lost circulation(120 bbls). Mix mud and LCM and regain circulation. Wiper trip to surface – plugged bit. Trip in and circulate. Drop survey(1 deg.) and trip for surface casing. Run and cement 37 joints of 8 5/8" surface casing set at 1574' and wait on cement. Nipple up and pressure test BOP.
5/23	2634'	1050'	Drill plug and cement and 7 7/8" hole to 2634'. Displace mud at 2427'. Intense rain and pump off water from location.
5/24	3965'	1331'	
5/25	4665'	700'	
5/26	5443'	700'	
5/27	6300'TD	857'	Circulate for samples at 5758', 5782', 5791' and 5810'. To 6300' TD and circulate. Wiper trip and circulate.
5/28	TD		Trip for logs and run ELogs. Plug and abandon well.

MUD PROPERTIES

<u>DATE</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>
<u>LBS/BBL</u>									
5/21	1187'	9.2	31	6	7	100	7.5	1500	14
5/22	1584'	8.5	26	1	2	100	7	1500	--
5/23	2506'	8.7	37	14	10	20	9	6000	4
5/24	4030'	9.2	42	16	12	14	10.5	5000	4
5/25	4817'	9.1	50	14	20	12	10.5	4000	4.5
5/26	5517'	9.1	51	14	20	10	10.5	4000	4.5
5/27	6300'	9.1	49	17	14	7	10.5	4000	4
5/28	TD	9.1	49	17	14	7	10.5	4000	4

DEVIATION RECORD - degree

750' ½, 1584' 1, 2082' 1, 3022' 1, 4028' ¾, 5002' ¾, TD 2

ELECTRIC LOG FORMATION TOPS- KB Elev. 2681'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Keystone No. 1-5</u>	
			<u>DATUM</u>	<u>POSITION</u>
Casing	1576'			
Heebner	4467'	-1761'	-1754'	-7'
Toronto	4490'	-1703'	-1778'	
Lansing	4608'	-1902'	-1896'	-6'
Marmaton	5248'	-2542'	-2540'	-2'
Cherokee	5422'	-2716'	-2713'	-3'
Atoka	5679'	-2973'	-2966'	-7'
Morrow	5746'	-3040'	-3024'	-16'
"B"/"C"	NA			
Mississippi Chester	5936'	-3230'	-3131'	+1'
Basal Chester	6022'	-3316'	-3326'	+10'
Ste. Genevieve	6065'	-3359'	-3359'	+4'
St. Louis	6174'	-3468'	-3462'	-6'
TD	6291'			

*O'Brien Energy Resources, Keystone No. 1-5, 760' FSL & 341' FEL, Section 5, 33 S, 29W – 4200' to the East., K.B. Elev. 2632'.