

1272237

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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)*

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)</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:
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Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	Stoltzfus 1-34
Doc ID	1272237

Tops

Name	Top	Datum
Heebner	4412	-1860
Toronto	4440	-1888
Lansing	4476	-1924
Marmaton	5215	-2663
Cherokee	5408	-2856
Atoka	5602	-3050
Morrow	5736	-3184
Mississippi Chester	5829	-3277
Ste. Genevieve	6133	-3581
St. Louis	6249	-3697

O'Brien Energy Resources, Inc.
Stoltzfus No. 1-34
Section 34, T33S, R29W
Meade County, Kansas
August, 2015

Well Summary

The Stoltzfus No. 1-34 was drilled to a total depth on 6400' in the St. Louis Formation in 115 rotating hours. It was drilled approximately 2200' to the East of the Clayton No. 1-33. The Heebner, Toronto and Lansing ran 9', 5' and 13' low relative to this offset. The Marmaton and Cherokee came in 7' low. The Morrow 2' low and the Ste. Genevieve and St. Louis 16' and 6' high.

Minor hydrocarbon shows were documented in the Morrow. An Upper Morrow Sandstone(5736'-5748') consists of a Sandstone in 10% of the samples: White, light brown to buff, Hard To friable in part, very fine upper, well sorted, subround grains, siliceous and clay cement, slightly calcareous, clean to marly in part, tight to occasionally fair intergranular porosity, some clay infill, light mottled pale blue hydrocarbon fluorescence in all the sandstone, slow streaming to bleeding cut, no stain, show dissipates and interbedded with Shale. A 320 Unit gas increase was documented.

A 260 Unit gas increase was documented from a lower Morrow Sandstone from 5810' to 5818' and with similar lithology type as above but with no hydrocarbon show noted.

Minor shows were documented in the Chester, Basal Chester and St. Louis Formation.

The Stoltzfus No. 1-34 was plugged and abandoned 9/3/15.

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: Stoltzfus No. 1-34, Mohler Field

API No.: 15-119-21392

Location: 660' FNL & 660' FWL, Section 34, T33S, R29W, Meade County, Kansas – South of Meade.

Elevation: Ground Level 2539', Kelly Bushing 2552'

Contractor: Duke Drilling Rig No. 7, Type: Double jackknife, double stand, Toolpusher Gaylen Roach, Drillers: Jeremy Adelhard, Craig Mertens, Steven Green

Company Man: Roger Pearson – Liberal, Kansas

Spud Date: 8/25/15

Total Depth: 9/2/2015, Driller 6400', Logger 6399', St. Louis Fm.

Casing Program: 35 joints of 8 5/8", J55, 24Lbs/ft, set at 1496'.

Mud Program: Winter Mud, engineer Kris McCure

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 Miles Wilkins, 1)Array Induction, 2)Photo Density/Neurton, 3) Microlog – High Res. repeat section.

Status: Plugged and abandoned 9/2/15.

WELL CHRONOLOGY

<u>10 PM</u>	<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
	8/25	100'	100'	Move to location and rig up rotary tools. Mix spud mud. Drill rat hole and mouse hole. Spud in 12 1/4" surface hole to 100'.
	8/26	1250'	1150'	Surveys(1/4 – 1 deg.). Service rig and mix mud and jet pits.
	8/27	1496'	246'	To 1496' and circulate. Trip out and run and cement 35 joints of new 8 5/8" casing set at 1496' with 350 sacks A-con(3%cc & 1/4 lb floeal) and 150 sacks tail – did circulate. Plug down 3 pm. Wait on cement. Jet cellar and mix mud.
	8/28	2360'	864'	Wait on cement. Nipple up and pressure test BOP(250 lbs/30 min.). Drill plug and cement and 7 7/8" hole to 1695' and trip for Bit No. 3. Tighten BOP chains and repack swivel packing. Trip in. Tap off cement and drill to 2360'.
	8/29	3600'	1240'	Clean suction. Displace mud system at 2600'. Surveys(1/2 – 3/4 deg.).
	8/30	4880'	1280'	Surveys(1 1/2 - 1/4 deg.).
	8/31	5533'	653'	To 5025' and circulate and wiper trip 40 stands and circulate. Surveys(1 1/4 – 3/4 deg.). Work on pump – replace valve and seat.
	9/1	6320'	787'	Survey(1/4 deg.) and service rig and adjust breaks.
	9/2	6400'TD	80'	Drill to 6400'TD and circulate. Short trip 63 stands and circulate. Trip out for logs and run elogs. Trip in and circulate. Trip out laying down and plug and abandon well.
	9/3	TD		Plug and abandon and 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	HTC	DP506F	12 1/4"	1496'	1496'	29 1/4
2	HTC	DP506	7 7/8"	1695'	199'	3 1/4
3	HTC	DP506	7 7/8"	6400'	4705'	83
Total Rotating Hours:						115.5
Average:						55.4 ft/hr

DEVIATION RECORD - degree

192' 1/4, 715' 1, 1188' 1 1/4, 1496' 3/4, 2013' 1/2, 2491' 1/4, 2998' 3/4, 3502' 1/2, 4006' 1/4, 4515' 1 1/2, 4706' 1 1/4, 4898' 1 1/4, 5120' 1 1/4, 6105' 1/4

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-LBS/BBL</u>
8/26	638'	9.6	38	10	22	nc	7.0	800	8
8/27	1496'	9.8	38	12	24	nc	7.0	39K	12
8/28	1759'	8.5	40	6	21	nc	7.0	29K	tr
8/29	2921'	8.3	49	18	9	12.4	9.5	8.3K	4
8/30	4198'	9.3	34	9	6	18.4	9.0	6.1K	2
8/31	5056'	9.4	48	17	13	9.0	11.5	4.1K	5
9/1	5961'	9.5	46	17	12	8.4	11.5	4.3K	8
9/2	6400'	9.1	71	30	18	7.4	11.5	3.9K	10

ELECTRIC LOG FORMATION TOPS- KB Elev. 2552'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Clayton No. 1-33</u>	
			<u>DATUM</u>	<u>POSITION</u>
Surface casing	1493'			
Heebner	4412'	-1860'	-1851'	-9'
Toronto	4440'	-1888'	-1883'	-5'
Lansing	4476'	-1924'		
Marmaton	5215'	-2663'	-2669'	+6'
Cherokee	5408'	-2856'	-2863'	+7'
Atoka	5602'	-3050'	-3053'	+3'
Morrow	5736'	-3184'	-3182'	-2'
Mississippi Chester	5829'	-3277'	-3271'	-6'
Ste. Genevieve	6133'	-3581'	-3597'	+16'
St. Louis	6249'	-3697'	-3703'	+6'
TD	6400'			

*O'Brien Energy, Clayton No. 1-33, 990'FNL & 1650'FEL, Section 33, 33S, 29W, K.B. Elevation 2578', app. 2200' to the West, K.B. Elev. 2575'.

Nova Energy

Services L.L.C. P O Box 56
 Turpin OK 73950
 Phone (580) 778-0786

Field Invoice

Date	Invoice #
8/27/2015	N115

Customer	Address	AFE #
O Brien Energy	Stalfus#1-34	
18 Congress St. STE 207		
Portsmouth, NH 03801-4091		

Well Information

Roger Pearson 620-629-1565

Well Name		Sec. -Twn. - Ran.	
		34-33s-29w	
County	State	Well Type	8 5/8 Job
Meade	KS.	New Well	YES

Quan	UOM	Description	Price	Amount
360	sk	A-con' Blend		
150	sk	Premium Plus Cement		
1269	lbs	Calcium Chloride		
118	lbs	Cello-flake		
66	lbs	WCA-1		
1	ea	Guide Shoe - Regular 8 5/8"		
1	ea	Flapper Type Insert Float Valves 8 5/8"		
3	ea	Centralizer 8 5/8 X 12 1/4		
1	ea	Top Ruber Cement Plug 8 5/8"		
20	mi	Pickup Mileage		
60	mi	Heay Equipment Mileage		
500	sks	Blending & Mixing Services Charge		
470	tm	Proppant and Bulk Delivery Charge		
1	4hr	Depth Charge 1001'-2000'		
1	job	Plug Container Utilazation Char		
1	ea	Service Supervisor 8 hours		
Sales Tax			TBD	
Grand Total				

Service Supervisor

Izzy Chavez

Company Operator

Roger Pearson

Date of Job

8/27/2015