

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
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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)</i> <i>(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	STOLTZFUS 5-3
Doc ID	1641766

Tops

Name	Top	Datum
Heebner	4392	1882
Toronto	4428	1918
Lansing	4562	2052
Marmaton	5186	2676
Cherokee	5392	2882
Atoka	5584	3074
Morrow	5712	3202
Mississippi	5814	3304
Ste. Genevieve	6150	3640









**QUASAR ENERGY SERVICES, INC.**

3288 FM 51

Gainesville, Texas 76240

Office: 940-612-3336

Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

1/26/22

CEMENTING JOB LOG

**CEMENTING JOB LOG**

<b>Company:</b> O'Brien Energy Resources Corp	<b>Well Name:</b> Stoltzfus 5-3
<b>Type Job:</b> Cement- Surface	<b>AFE #:</b>

CASING DATA			
Size: 8 5/8	Grade:	Weight:	24
<b>Casing Depths</b>	Top:	Bottom: 1531.24	
<b>Drill Pipe:</b>	Size:	Weight:	Packer:
<b>Open Hole:</b>	Size: 12 1/4	T.D. (ft): 1535	Perfs.:

CEMENT DATA					
<b>Spacer Type:</b>					
Amt.	Sks Yield	0	ft <sup>3</sup> /sk	Density (PPG)	
<b>LEAD:</b> Class A: 2% Gyp., 2%SMS., 1/4# Celloflake					
Amt. 365	Sks Yield 1069.45		ft <sup>3</sup> /sk 2.93	Excess	
<b>TAIL:</b> Class A: 2% CC., 1/4# Celloflake					
Amt. 180	Sks Yield 248.4		ft <sup>3</sup> /sk 1.38	Density (PPG)	11.45
<b>WATER:</b>					
Lead: 365	gals/sk: 18	Tail: 180	gals/sk: 6.5	Total (bbls):	184.3

<b>Pump Trucks Used:</b>	110, DP07				
<b>Bulk Equipment:</b>	227, 660-25 / 229, 660-23				
<b>Disp. Fluid Type:</b>	Water (Supplied)	Amt. (Bbls.): 94.7	Weight (PPG):	8.33	

**COMPANY REPRESENTATIVE:** \_\_\_\_\_ **CEMENTER:** Daniel Beck

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
	AM/PM	Casing	Tubing	ANNULUS	TOTAL	
3:15						ON LOCATION & SAFETY MEETING
4:07						RIG TO CIRCULATE
4:30						RIG TO PT
4:33						PRESSURE TEST TO 2500PSI
4:35		280			190.4slurry	6.2 PUMP 365SX LEAD @ 11.4#
5:07		230			44.2 slurry	6.1 PUMP 180SX TAIL @ 14.8#
5:22						SHUTDOWN / DROP PLUG
5:24		190			20	7.0 DISPLACE / CEMENT TO SURFACE
		180			30	6.7
		200			40	6.5
		270			50	6.3
		300			60	6.0
		360			70	5.6
		420			80	5.3
5:42		470			84	5.2 SLOW RATE TO 2.2BPM @ 380PSI
		430			90	3.0
5:44		430			94.7	3.0 LAND PLUG / PRESSURE UP TO 920PSI
5:46						RELEASE BACK --- FLOAT HELD
						JOB COMPLETE

<b>Company:</b> O'Brien Energy Resources Corp	<b>Well Name:</b> Stoltzfus 5-3
<b>Type Job:</b> Cement- Surface	<b>AFE #:</b>
<b>Date:</b> 1/26/2022	CEMENTING JOB LOG

# Koda Services, Inc.

# INVOICE



Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

Date	Invoice #
1/12/2022	13420

Bill To
O'Brien Energy Resources 18 Congress St. Portsmouth NH 03801

*Stoltzfus 5-3*  
*IDC*

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
NW 3-34S-29W	Rodney Gonzales	Net 30	Stoltzfus 5-3		

Item	Quantity	Description	Rate	Amount
Conductor	40	Drilled 40' of 26" hole for conductor	50.00	2,000.00
20" Pipe	40	Furnished 40' of 20" conductor pipe	50.00	2,000.00T
Ream Hole		Ream Hole	750.00	750.00
60" X 5'	1	Furnished 5' X 5' tinhorn	750.00	750.00T
Dirt Removal		Provided Labor and Equipment for dirt removal and cleanup	500.00	500.00
Welder		Welder	350.00	350.00
Grout		Furnished grout 4.5 yds	875.00	875.00T
Deliver Grout		Deliver grout to location	300.00	300.00
Cover Plate		Cover Plate	350.00	350.00T
Permits		Permits	300.00	300.00
Safety Ring		Safety Ring	200.00	200.00T

Thank you for your business.

**Subtotal** \$8,375.00

**Sales Tax (7.5%)** \$313.13

**Total** \$8,688.13

**O'Brien Energy Resources, Inc.**  
**Stoltzfus No. 5-3, Mohler Field**  
**Section 3, T34S, R29W**

Meade County, Kansas

January 2022

**Well Summary**

The O'Brien Energy Resources, Stoltzfus No. 5-3, Mohler Field was drilled to a total depth of 6250' in the Ste. Genevieve Formation without any major problems. The Stoltzfus No. 5-3 ran high to the closest offset, the Stoltzfus No. 3-3 directly to the NW. The Heebner, Toronto and Marmaton ran 10'-12' high. The Cherokee and Morrow came in 6' and 5' high.

The Stoltzfus No. 5-3 ran somewhat low relative to the Larrabee No. 4-4, approximately 1200' to the West. The Toronto and Lansing ran 4' and 1' low. The Marmaton, Cherokee, Atoka and Morrow came in 1' low.

Numerous quality hydrocarbon shows were documented during the drilling of this test. The Marmaton(5186'-5196') consists of a Limestone: White, light brown to buff, soft, brittle, subchalky to chalky in part, clean, very fossiliferous and oolitic with intergranular porosity, trace intercrystalline porosity, light pale blue to yellow hydrocarbon fluorescence(10% spl) slow to fast streaming to bleeding cut, trace mottled oil stain. A 500 Unit gas kick was documented. Additional shows and gas increases were documented in the upper Marmaton from 5200' to 5252', attached mudlog.

Excellent shows occurred in two Morrow Sandstone(5752'-5760') and (5776'-5786') and consists predominantly of a Sandstone(20% spl): Light gray to brown, speckled green, white to dark brown, friable, fine upper to very fine lower well sorted subround grain, occasionally medium and moderately sorted, calcareous cement, clean to argillaceous in part, glauconitic, excellent to trace intergranular porosity, vuggy porosity, excellent very dull gold brown hydrocarbon fluorescence(most SS), good streaming cut, oil stain, free oil and gas bubbles when crushed, oil odor, excellent show. 800 to 1000 Units gas was recorded on the hotwire.

The lower Chester Sandstone(6048'-6068'): Medium to dark mottled brown, light brown, very friable, very fine upper to fine lower, well sorted subround grains, occasionally medium and moderately sorted, calcareous cement, clean, glauconitic, excellent intergranular porosity, vuggy porosity, dull goldbrown hydrocarbon fluorescence in all sandstone, excellent streaming cut, abundant live oil and gas bubbles, good matrix oil stain, strong oil odor, free oil and gas in mud at possum belly. A 1000 Unit gas kick was documented.

The Lower or Basal Chester Limestone(6080'-6102') consists of a very sandy Limestone: Mottled brown to orange, sbchalky to chalky, clean to argillaceous, very sandy, glauconitic, fossiliferous and oolitic with interparticle porosity, trace intercrystalin porosity, abundant bright light pale mottled hydrocarbon fluorescence, excellent streaming flash cut, live oil, strong oil odor. A 1200 Unit gas kick was documented.

5 1/2" production casing was run on the Stoltzfus No. 5-3 on 2/3/2022 for the above mentioned hydrocarbon shows.

Respectfully Submitted,

Peter Debenham



## WELL DATA

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

Prospect Geologist: Joe Forma

Well: Stoltzfus No. 5-3, Mohler Field

API: 15-119-21465

Location: 1682' FNL & 844' FWL, Section 3, T34S, R29W, Meade County, Kansas  
– Southeast of Plains.

Elevation: Ground Level 2498', Kelly Bushing 2510'

Contractor: Duke Drilling Rig No. 1, Type: Double jackknife, double stand, Toolpusher  
Mike Godfrey, Drillers: Brothers Carlos and Saul Garcia,

Company Man: Rodney Gonzales

Spud Date: 1/24/2022

Total Depth: 2/2/22, Driller 6250', Logger 6247', Ste. Genevieve

Casing Program: 8 5/8" J55 24 lbs/ft STC set at 1526'. 5 1/2" production casing set to TD,  
cement did circulate.

Mud Program: Winter Mud, engineer Paul White, displaced 2600', Chem. gel/LCM.

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

Mudlogging Trailer: MBC Logging, Meade, KS, Austin Gardner

Samples: 30' to 5200', 20' to TD.

Electric Logs: Wireline Solutions engineer Hector Garcia, Array Induction, Compensated  
Neutron/Density, Microlog, Hi Res.

Status: 5 1/2" production casing run to TD on 2/3/22.

**WELL CHRONOLOGY**

<b>11 PM</b>	<b><u>DATE</u></b>	<b><u>DEPTH</u></b>	<b><u>FOOTAGE</u></b>	<b><u>RIG ACTIVITY</u></b>
	1/25	506	506'	Move to location and rig up rotary tools. Mix spud mud and LCM. Drill rat hole and mouse hole. Spud in 12 ¼" surface hole(1/24) and drill to 700'.
	1/26	1535'	1029'	To 1535' and wiper trip and circulate. Drop survey(3/4 deg.) and trip out and run and cement 8 5/8" surface casing to 1531', cement did circulate. Wait on cement.
	1/27	2116'	581'	Wait on cement. Drill plug and cement. Service rig. To 2116' and wait on and swap out mud pump.
	1/28	2900'	684'	Work on mud pump. Survey(1/2 deg.). Displace mud system at 2600'.
	1/29	3846'	946'	To 3846' and trip for plugged bit.
	1/30	4370'	524'	Finish bit trip, cutters broke. Trip in and drill to 4370'.
	1/31	5170'	800'	To 5011' and circulate and wiper trip. To 5170'.
	2/1	6030'	850'	
	2/2	6250'TD	220'	Service mud pump. To 6250'TD and circulate. Wiper trip to 5000' and circulate. Drop survey(1 deg.) and trip out for logs and run Elogs. Trip in and circulate.
	2/3	TD		Trip out laying down. Extreme cold, thaw out lines. Run and cement 5 ½" production casing to TD. Rig down.

**BIT RECORD**

<b><u>NO.</u></b>	<b><u>MAKE</u></b>	<b><u>TYPE</u></b>	<b><u>SIZE</u></b>	<b><u>OUT</u></b>	<b><u>FOOTAGE</u></b>	
	<b><u>HOURS</u></b>					
1		PL519	12 ¼"	1535'	1535'	17
2		PDC	7 7/8"	3846'	2311'	38 ¾
3		PDC	7 7/8"	6250'	2404'	61
					Total Rotating Hours:	116 3/4
					Average:	53.5 Ft/hr

**DEVIATION RECORD - degree**

All surveys ½ - 1 deg.

**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>
1/25	644'	9.5	40	10	15	8	100	7K	12
1/26	1536'	8.5	26	2	1	8	100	1K	0
1/27	2216	9.5	34	8	12	8	100	46K	0
1/28	3047'	8.8	44	20	12	10	8	5K	4
1/29	3846'	8.8	43	20	11	10.5	10	5K	5
1/30	4402'	9.2	44	15	10	11.5	8	5K	6
1/31	5075'	9.2	45	15	12	11	7.5	4K	5
2/1	6120'	9.1	50	17	12	1	7	4K	12

**ELECTRIC LOG FORMATION TOPS- KB Elev. 2510'**

<b><u>FORMATION</u></b>	<b><u>DEPTH</u></b>	<b><u>DATUM</u></b>	<b><u>*Larrabee No. 4-4</u></b>	
			<b><u>DATUM</u></b>	<b><u>POSITION</u></b>
Casing	1526'			
Heebner	4392'	-1882'	-1889'	+7'
Toronto	4428'	-1918'	-1914'	-4'
Lansing	4562'	-2052'	-2051'	-1'
Marmaton	5186'	-2676'	-2675'	-1'
Novinger	5266'	-2756'		
Cherokee	5392'	-2882'	-2881'	-1'
Atoka	5584'	-3074'	-3072'	-2'
Morrow	5712'	-3202'	-3201'	-1'
Morrow SS	5765'-5778'			
Morrow SS	5778'-5790'			
Mississippi Chester	5814'	-3304'	-3314'	+10'
Chester SS	6048'-6068'			
Basal Chester	6102'	-3592'		
Ste. Genevieve	6150'	-3640'		
TD	6247'			

\*O'Brien Energy Resources, Larrabee No. 4-4, 1220' FNL & 335' FEL, Section 4, 33 S, 29W – app 1200' to the west, KB Elev. 2541'.