

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 <table style="width:100%; border: none;"> <tr> <td style="width:70%; border: none;">Name</td> <td style="width:15%; border: none;">Top</td> <td style="width:15%; border: none;">Datum</td> </tr> </table>	Name	Top	Datum
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 _____
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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	PREEDY 7-4
Doc ID	1481475

Tops

Name	Top	Datum
Heebner	4422	-1771
Toronto	4447	-1796
Lansing	4567	-1916
Marmaton	5212	-2561
Cherokee	5380	-2729
Atoka	5628	-2977
Morrow	5682	-3031
Mississippi Chester	5776	-3125
Ste. Genevieve	6034	-3383
St. Louis	6114	-3463



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.:	37223 19572 12HRS	Operator TRK No.:	78868	
Address:	18 Congress St. Suite 207	Ticket #:	1718 19686 L	Bulk TRK No.:	30464 37547 Corey	27808 19578 Angel
City, State, Zip:	Portsmouth NH 03801	Job Type:	Z42 - Cement Surface Casing			
Service District:	1718-Liberal KS	Well Type:	OIL			
Well Name and No.:	Preedy 7-4	Well Location:	4,33,29	County:	Meade	State: KS

Type of Cmt	Sacks	Additives	Truck Loaded On		
A-Con' Blend	375	3% Calcium Chloride, 1/4# Polyflake, .2% WCA1	30464 37547 Corey	Front	Back
Premium Plus Cement	150	2% Calcium Chloride, 1/4# Polyflake	27808 19578 Angel	Front	Back
				Front	Back

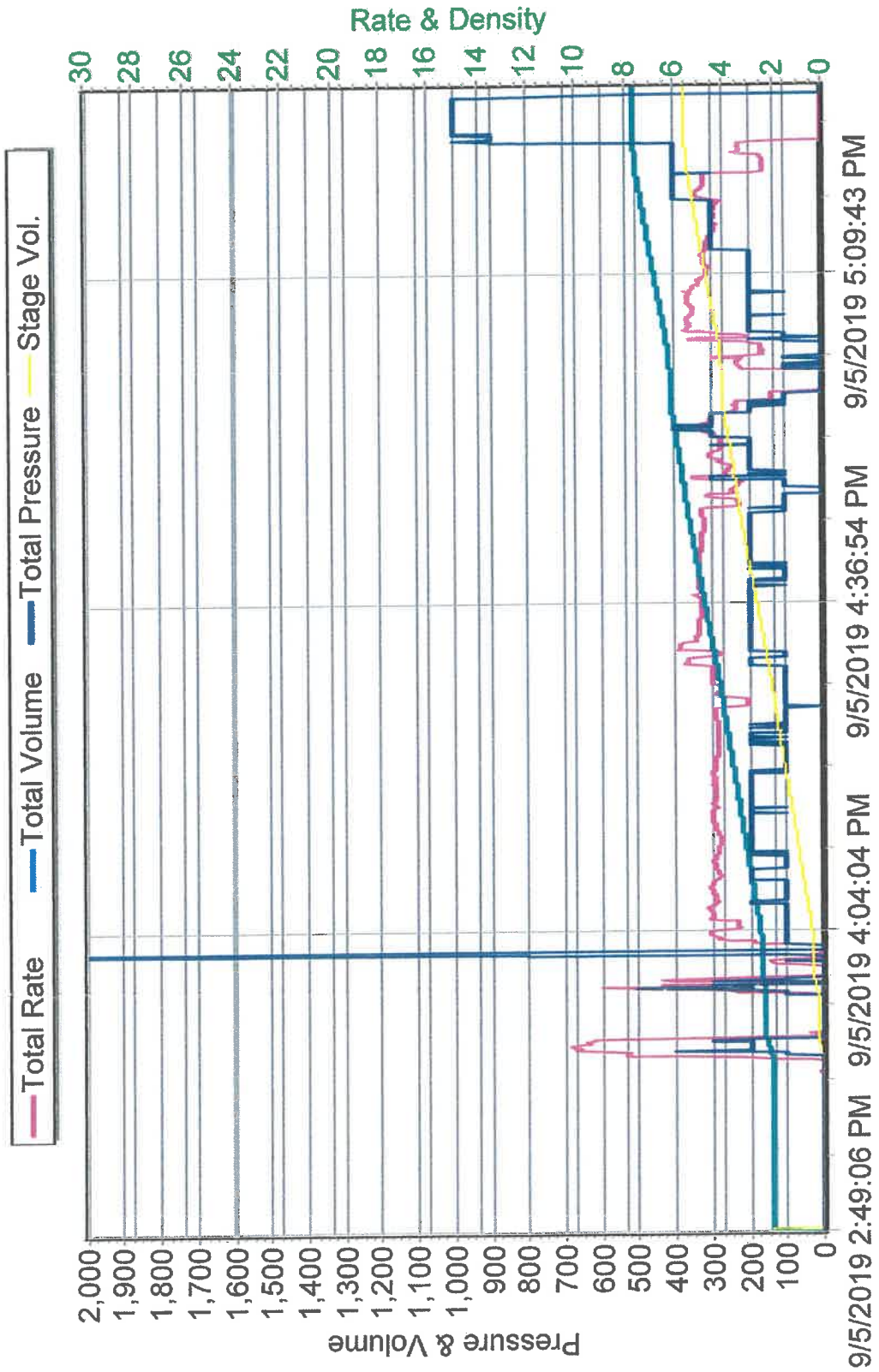
Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements	CU. FT.	Man Hours / Personnel	
Lead:	11.4	2.92	17.76	1095	TT Man Hours:	50
Tail:	14.8	1.34	6.33	201	# of Men on Job:	4

Time (am/pm)	Volume (BPM)	Volume (BBLS)	Pumps		Pressure (PSI)		Description of Operation and Materials
			T	C	Tubing	Casing	
10:30am							Arrived at location
14:00pm							Spot trucks/Rig up
15:12pm							Safety meeting
16:00pm					1500		Pressure test lines to 1500psi
16:01pm	3	10			zero		Pump 10bbbls of fresh water spacer
16:04pm	5	195			100		Pump 195bbbls of lead from 375sks at 11.4lbs
16:46pm	5	35			100		Pump 35bbbls of tail from 150sks at 14.8lbs
16:58pm							Shut down/Drop plug/Wash pump and lines
16:59pm							Start displacement of 97bbbls with fresh water
17:04pm	5	20			50		20bbbls gone
17:08pm	5	40			50		40bbbls gone
17:12pm	5	60			120		60bbbls gone
17:16pm	5	80			300		80bbbls gone
17:18pm	5	87			350		87bbbls gone/Slow down rate
17:21pm	3	97			850		Bump plug/Hold pressure for 5 minutes
17:26pm							Release pressure to check if float holds
							Got 50 bbls of cement to Surface
							Rig down
							Job Completed
							Thanked company and rig crew

Size Hole	12 1/4	Depth	1586		TYPE	Flapper	
Size & Wt. Csg.	8 5/8 24#	Depth	1575	New / Used	Flapper	1527	Depth
Landing Psi	500+	Depth			Retainer		Depth
Shoe Joint	48	Type			Perfs		CIBP

Customer Signature:	Basic Representative:	Victor A. Corona
	Basic Signature:	<i>Victor A. Corona</i>
	Date of Service:	9/5/2019

**O'Brien Energy
 Preedy 7-4
 8 5/8 Surface
 9/5/2019**





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

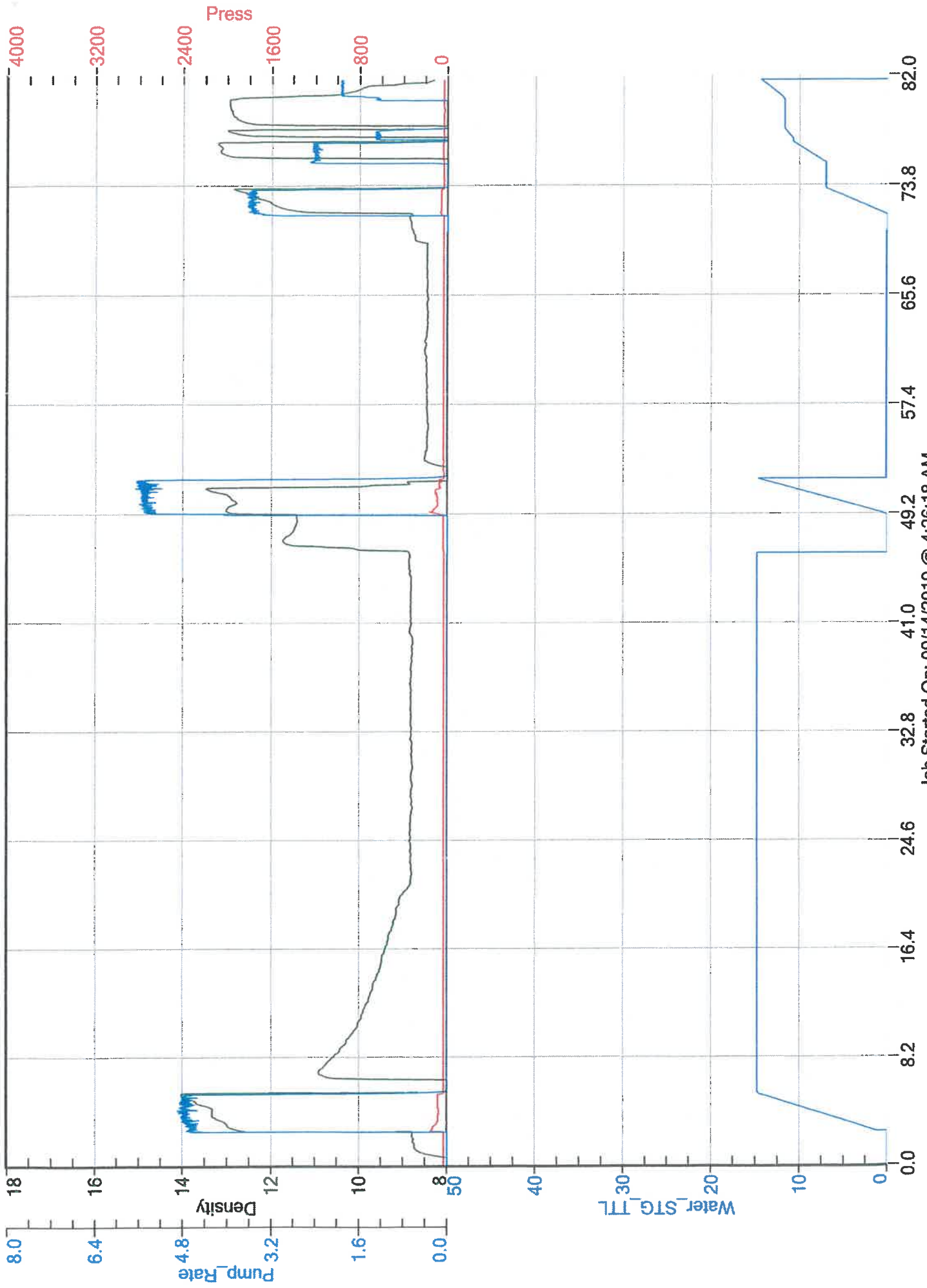
PRESSURE PUMPING

Job Log

Customer:	Obrien Energy		Cement Pump No.:	38117, 19919 4Hrs.		Operator TRK No.:	96816	
Address:	18 Congress St. Suite 207		Ticket #:	1718 19665 L		Bulk TRK No.:	14354, 19808	Cory
City, State, Zip:	Portsmouth NH 03801		Job Type:	Z42 - Plug to Abandon				
Service District:	1718 - Liberal, Ks.		Well Type:	OIL				
Well Name and No.:	Preedy 7-4		Well Location:	4,33,29	County:	Meade	State:	Ks
Type of Cmt	Sacks	Additives			Truck Loaded On			
60/40 Poz	140	4% Total Gel			14354, 19808 Cory		Front	Back
							Front	Back
							Front	Back
Lead/Tail:	Weight #1 Gal.	Cu/Ft/sk	Water Requirements		CU. FT.	Man Hours / Personnel		
Tail:	13.5	1.5	7.5		210	TT Man Hours:	24	
						# of Men on Job:	3	
Time (am/pm)	(BPM)	Volume (BBLs)	Pumps		Pressure(PSI)		Description of Operation and Materials	
			T	C	Tubing	Casing		
2:45							ON LOCATION & SAFETY MEETING	
2:55							RIG UP & WAIT	
4:28 AM	4.6	13.3 slurry				140	PUMP 50SX TAIL @ 13.5# / 1620'	
4:35 AM		15.1					DISPLACE W/ 19.7BBL MUD	
4:37 AM							SHUTDOWN	
5:16	5.5	7.1 slurry				130	PUMP 40SX TAIL @ 13.5# / 530'	
5:18		3.7					DISPLACE W/ 4.9BBL	
5:19 AM							SHUTDOWN	
5:29	3.5	5.3 slurry				60	PUMP 20SX TAIL @ 13.5# / 60'	
5:42		8.0 slurry					PLUG RATE HOLE W/ 30SX	
							SHUTDOWN	
							JOB COMPLETE	
Size Hole		Depth				TYPE	Swage	
Size & Wt. Csg.	8 5/8" 24#	Depth		New / Used		Packer	Depth	
Drill Pipe	4" 14#	Depth				Retainer	Depth	
Plugs	1620'	530'	60'	Rat			CIBP	
Customer Signature: <i>[Signature]</i>					Basic Representative:		Daniel Beck	
					Basic Signature:		<i>[Signature]</i>	
					Date of Service:		9/14/2019	

O'Brien Energy

Preedy #7-4



Job Started On: 09/14/2019 @ 4:26:18 AM

O'Brien Energy Resources, Inc.
Preedy No. 7-4, Angell South Field
Section 4, T33S, R29W

Meade County, Kansas

September, 2019

Well Summary

The Preedy No. 7-4 was drilled to a total depth of 6250' in the St. Louis Formation. The primary objective St. Louis(6114') came in low relative to the Keystone 5-4, approximately 1980' to the NW. The Heebner, Toronto and Lansing ran 0', 3' and 2' high relative to this offset. Thickening occurred and as the Cherokee, Atoka and Morrow came in 13' low. The Basal Chester and Ste. Genevieve came in 11' and 12' low. The St. Louis, 6' low.

The Heebner through the Atoka ran 22' to 25' high relative to the Preedy No. 5-9, 1980' to the SW. Structure from the Morrow to the St. Louis came in 25' to 35' high.

Only minor hydrocarbon shows with traces of formation gas occurred in the St. Louis and prove very tight on logs.

The Preedy no. 7-4 was plugged and abandoned 9/14/19.

Respectfully Submitted,

Peter Debenham

WELL DATA

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

Prospect Geologist: David Ward, Ed Schuett, Denver

Well: Preedy No. 7-4, Angell South Field

API: 15-119-21427

Location: 808'FSL & 1980'FEL, Section 4, 33S, R29W, Meade Co. Kansas – Southeast of Plains.

Elevation: Ground Level 2642', Kelly Bushing 2651'

Contractor: Duke Drilling Rig No. 4, T.P. Hector Torres, Drillers Javier Ramirez, Jose Torres, Gurtaro Flosey

Company Man: Dana Geathouse

Spud Date: 9/3/19, 10 pm.

Total Depth: 9/13/19, 4:45 AM, Driller 6250', Logger 6242', St. Louis Formation

Casing Program: 37 joints of 8 5/8", J-55, 24Lbs/ft, set at 1571' with 375 sacks A-Con blend(3%cc & ¼ lb flake) tail with 150 sacks Pem Plus(2%cc, ¼ bl Poly Flake), cement did circulate, services by Basic.

Mud Program: Winter Mud, engineer Paul White, Rayford Bratcher displaced 2588', Chemical gel/LCM.

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

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

Electric Logs: Weatherford, engineer Bandar Binosfur, 1) Array Induction, 2)Neutron/Density, 3)Microlog, high res

Status: Plugged and abandoned 9/14/19.

WELL CHRONOLOGY

AM Report				
<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>	
8/26			Surface casing washed out for the Cottrell No. 1 reentry, decided to redrill.	
8/27-			Build location and wait on rain.	
9/3			Move to location and rig up rotary tools with Duke Rig 4.	
9/4	441'	441'	Rig up and wait on water and mix spud mud. Drill rat hole. Drill 12 1/4" surface hole to 441' and wait on water.	
9/5	1586'	1145'	Repair water line. To 1586' and circulate and wiper trip.	
9/6	1586'	0'	Wiper trip and work tight spots and circulate. Drop survey(1 deg.) and trip for surface casing and run and cement 37 joints of 8 5/8" set at 1571' – cement did circulate. Nipple up and pressure test BOP – did not hold. Nipple down BOP and send in for repairs.	
9/7	2540'	954'	Nipple up BOP and pressure test. Drill float and cement and 7 7/8" hole to 2540'	
9/8	2945'	406'	Work bit and drop flag for possible washout. Trip out and work on mud pump and air out same.	
9/9	3994'	1049'	Service rotary chain and mud up.	
9/10	4773'	779'	Service mud pump and rotary chain and low clutch in draw works.	
9/11	4849'	76'	Work on stuck pipe and service low clutch. Work on weight indicator and replace pilot aut driller motor and trip in with Bit No. 3.	
7/12	5770'	921'	Trip in and circulate and drill.	
7/13	6250'TD	480'	Service and repair rig. To 6250' TD(4:45 AM) and circulate. Wiper trip.	
7/14	TD		Wiper trip and circulate and trip for logs and run Elogs. Trip out laying down and plug and abandon well. Rig down.	

<u>BIT RECORD</u>						
<u>NO.</u>	<u>MAKE HOURS</u>	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	<u>FOOTAGE</u>	
1	Varel		12 ¼"	1586'	1586'	10 ½
2	Varel	V516PX	7 7/8"	4849'	3263'	63 ¾
3	Varel	4010500	7 7/8"	6250'TD	1401'	34 ¾
Total Rotating Hours:						109
Average:						57.34 Ft/hr

DEVIATION RECORD - degree

745' 0, 1586' 1, 1958' 1, 2456' ¾, 2958' ¼, 3522' ¾, 4052' ¼, 4849' ¼

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>LCMBBLS</u>
9/4	441'	8.55	34	7	9	100	9.5	2K	4
9/4	1024'	9	33	8	12	100	8.5	4K	7
9/5	1586'	9.1	37	11	10	100	9.5	25K	8
9/6	1586'	8.35	26	1	1	100	8.5	1500	--
9/7	2600'	8.65	35	9	7	18	9	9k	--
9/8	2958'	8.8	45	10	35	40	8.5	15k	6
9/9	4052'	9	55	18	17	18	9.5	7k	6
9/10	4773'	9.2	45	19	14	10	9.5	7k	4
9/11	4849'	9.1	47	19	14	10	9	10k	8
9/12	5809'	9.3	45	19	14	8	10	6k	6

ELECTRIC LOG FORMATION TOPS- KB Elev. 2651'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Keystone No. 5-4</u>	
			<u>DATUM</u>	<u>POSITION</u>
Casing	1571'			
Heebner	4422'	-1771'	-1771'	0'
Toronto	4447'	-1796'	-1799'	+3'
Lansing	4567'	-1916'	-1918'	+2'
Marmaton	5212'	-2561'	-2569'	+8'
Cherokee	5380'	-2729'	-2716'	-13'
Atoka	5628'	-2977'	-2964'	-13'
Morrow	5682'	-3031'	-3018'	-13'
Mississippi Chester	5776'	-3125'	-3121'	-4'
Basal Chester	5988'	-3337'	-3326'	-11'
Ste. Genevieve	6034'	-3383'	-3371'	-12'
St. Louis	6114'	-3463'	-3457'	-6'
TD	6242'			

*O'Brien Energy Resources, Keystone No. 5-4, 1350' FSL & 1320'' FWL, Section 4, 33 S, 29W – app. 1980' to the NW., K.B. Elev. 2598'.