KOLAR Document ID: 1606076

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 # 32211
Name: O'Brien Energy Resources Corp.
Address 1: 18 CONGRESS ST, STE 207
Address 2:
City: PORTSMOUTH State: NH Zip: 03801 + 4091
Contact Person: JOSEPH FORMA
Phone: (603) 427-2099
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: PETER DEBENHAM
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 #:

09/16/2021 Spud Date or Recompletion Date
09/27/2021 Date Reached TD
01/05/2022 Completion Date or Recompletion Date

API No.: 15-119-21460-00-00
Spot Description:
SW - NE - NW - NW Sec. 10 Twp. 33 S. R. 29 ☐ East ☑ West
350 Feet from ☑ North / ☐ South Line of Section
950 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Meade
Lease Name: PREEDY EAST Well #: 1B-10X
Field Name:
Producing Formation: Morrow
Elevation: Ground: 2637 Kelly Bushing: 2648
Total Vertical Depth: 6250 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1567 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: 19000 ppm Fluid volume: 6500 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Max Papay LLC
Lease Name: Feldman 1-18 License #: 34021
Quarter SW Sec. 18 Twp. 34 S. R. 28 ☐ East ☑ West
County: Meade Permit #: D23094.0

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: 01/07/2022
☐ **Confidential Release Date:** 01/07/2024
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Deanna Garrison **Date:** 01/14/2022

Operator Name: O'Brien Energy Resources Corp. Lease Name: PREEDY EAST Well #: 1B-10X

Sec. 10 Twp. 33 S. R. 29 ☐ East ☑ West County: Meade

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Geologist Report / Mud Logs ☑ Yes ☐ No

List All E. Logs Run:

NEUTRON
MICRO
INDUCTION

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	24	1567	CLASS A	630	3%CaCl, 1/2# floseal
Production	7.875	4.5	10.5	6243	CLASS H	150	10%CaCl, 1/4# floseal

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: 1/7/2022

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
5700	6150

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
2	5742	5768			Acidize w/ 2000 gal 7-1/2% NEFE HCl
					Frac w/Frac w/ 21,000# 30/50 sand, 273 bbls foamed wtr, 578,000 SCF N2

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	PREEDY EAST 1B-10X
Doc ID	1606076

Tops

Name	Top	Datum
Heebner	4440	-1793
Toronto	4460	-1813
Lansing	4534	-1887
Marmaton	5242	-1598
Cherokee	5414	-2767
Atoka	5669	-3014
Morrow	5720	-3073
Mississippi	5743	-3215
Ste. Genevieve	5787	-3445
St. Louis	5862	-3543

Form	ACO1 - Well Completion
Operator	O'Brien Energy Resources Corp.
Well Name	PREEDY EAST 1B-10X
Doc ID	1606076

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	1567	CLASS A	630	3%CaCl, 1/2# floseal
Production	7.875	4.5	10.5	6243	CLASS H	150	10%CaCl, 1/4# floseal

QUASAR ENERGY SERVICES, INC.
3288 FM 51
Gainesville, Texas 76240
Office: 940-612-3336
Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2c

9/18/21

CEMENTING JOB LOG

CEMENTING JOB LOG

Company:	Obrien Energy Resources Corp.			**Well Name:**	Preedy East 1B-10X
Type Job:	Cement- Surface			**AFE #:**	
CASING DATA					
Size:	8 5/8	Grade:		Weight:	24
Casing Depths	Top:	Bottom:	1568.52		
Drill Pipe:	Size:	Weight:			
Open Hole:	Size: 12 1/4	T.D. (ft):	1580		

CEMENT DATA

Spacer Type:							
Amt.		Sks Yield	0	$ft^3/_{sk}$		Density (PPG)	
LEAD:	Class A: 2%Gyp, 2%SMS, 3% Calcium Chloride, 1/4# Celloflake, .2% FWCA					Excess	
Amt.	450	Sks Yield	1318.5	$ft^3/_{sk}$	2.93	Density (PPG)	11.45
TAIL:	Class A: 2%Gel, 2% Calcium Chloride, 1/4# Celloflake					Excess	
Amt.	180	Sks Yield	246.6	$ft^3/_{sk}$	1.37	Density (PPG)	14.82

WATER:									
Lead:	450	gals/sk:	18	Tail:	180	gals/sk:	6.5	Total (bbls):	220.7
Pump Trucks Used:	110, DP7								
Bulk Equipment:	227, 660-25 / 228, 660-20								
Disp. Fluid Type:	Water (supplied)			Amt. (Bbls.)	97		Weight (PPG):	8.3	

COMPANY REPRESENTATIVE: Dana Greathouse **CEMENTER:** Daniel Beck

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
22:30						ON LOCATION & SAFETY MEETING
1:47						RIG TO CIRCULATE
2:25						RIG TO PT
2:29						PRESSURE TEST TO 2500PSI
2:33	210			234.8slurry	4.9	PUMP 450SX LEAD @ 11.4#
3:30	250			43.9slurry	5.1	PUMP 180SX TAIL @ 14.8# CEMENT RETURNS
3:44						SHUTDOWN / DROP PLUG
	170			10	5.0	DISPLACE
	210			20	5.5	
	200			30	5.2	
	230			40	4.9	
	270			50	4.5	
	290			60	3.9	
3:59	300			67	3.8	SLOW RATE TO 3.2BPM @ 290PSI
	290			70	3.2	
	390			80	2.7	
4:08	420			87	2.6	SLOW RATE TO 1.9BPM @ 410PSI
	420			90	1.9	
4:12	430			97.0	1.9	LAND PLUG / PRESSURE UP TO 890PSI
4:15						RELEASE BACK --- FLOAT HELD
						JOB COMPLETE

Company:	Obrien Energy Resources Corp.		**Well Name:**	Preedy East 1B-10X
Type Job:	Cement- Surface		**AFE #:**	
Date:	9/18/2021	CEMENTING JOB LOG	QUASAR ENERGY SERVICES, INC. | 185-2	

QUASAR ENERGY SERVICES, INC.
3288 FM 51
Gainesville, Texas 76240
Office: 940-612-3336
Fax: 940-612-3336 | qesi@qeserve.com

CEMENTING JOB LOG

Company:	OBRIEN ENERGY RESOURCES CORP.				**Well Name:**	PREEDY EAST 1B-10X			
Type Job:	Cement- Production				**AFE #:**				
CASING DATA									
Size:	4 1/2		Grade:	J-55	Weight:	10.5			
Casing Depths	Top:		Bottom:	6247.65					
Drill Pipe:	Size:		Weight:						
Tubing:	Size:		Weight:		Grade:		TD (ft):	6250	
Open Hole:	Size:	7 7/8	T.D. (ft):	6250					
Perforations	From (ft):		To:		Packer Depth(ft):				
CEMENT DATA									
Spacer Type:									
Amt.		Sks Yield		ft $^3/_{sk}$		Density (PPG)			
LEAD:	CLASS A 60/40/4					Excess			
Amt.	50	Sks Yield	1.5	ft $^3/_{sk}$		Density (PPG)	13.5		
TAIL:	CLASS H 10%GYP, 10%SALT, 5#KOLSEAL, .5%C-15, 1/4#FELT					Excess			
Amt.	150	Sks Yield	1.56	ft $^3/_{sk}$		Density (PPG)	14.8		
WATER:									
Lead:		gals/sk:		Tail:	7	gals/sk:	25	Total (bbls):	25
Pump Trucks Used:	210 DP11								
Bulk Equipment:	229 660-25								
Disp. Fluid Type:	KCL		Amt. (Bbls.)	98.6		Weight (PPG):			
Mud Type:						Weight (PPG):			

COMPANY REPRESENTATIVE: DANA GREATHOUSE **CEMENTER:** CHAD HINZ

TIME	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
AM/PM	Casing	Tubing	ANNULUS	TOTAL	RATE	
1700						ON LOC, SAFTEY MTG, R.U.
1923	4500					TEST LINES
1924	240				4.9	PUMP MUD FLUSH
1928	240			10	4.9	H2O SPACER
1930				5		PLUG RAT AND MOUSE
1941	340				5	START MIXING
1957				40		SHUT DOWN, DROP PLUG, WASHUP
2002	180				6	START DISPLACEMENT
2019	440			88	2	SLOW RATE
2022	525-1205			98.6		PLUG DOWN
2024						RELEASE PSI, FLOAT HELD
						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!!

O'Brien Energy Resources, Inc.
Preedy East No. 1B-10X
Section 10, T33S, R29W
Meade County, Kansas
September 2021

Well Summary

The O'Brien Energy Resources, Preedy East No. 1B-10X was drilled to a total depth of 6250' in the St. Louis. Lost circulation occurred in the Glorietta at 1219'.

The Preedy East No. 1B-10X was drilled 1300' North of the Preedy East No. 1A-10. Formation tops came in considerably high relative to this offset. The Heebner, Toronto and Lansing ran 30', 34' and 35' high respectively. The Cherokee came in 30' high. The Atoka, Morrow and Chester ran 47', 40' and 44' high respectively. The Basal Chester, Ste. Genevieve and St. Louis came in 50', 52' and 46' high.

An excellent show occurred in the Morrow "A" Sandstone(5743'-5762') and consists of a Sandstone in 50% of the samples: Medium to light brown, friable, sucrosic, brittle, clean, glauconitic, fine upper to fine lower, well sorted subround grains, siliceous cement, slightly calcareous, clean to argillaceous in part, excellent intergranular porosity, occasional fine vuggy porosity, bright light yellow to orange hydrocarbon fluorescence in all the sand, excellent streaming cut, live oil and gas bubbles when crushed, good oil odor, excellent show. A 400 Unit gas kick was documented.

4 ½" production casing was run to TD on the Preedy East No. 1B-10X on 9/28/2021.

Respectfully Submitted,

Peter Debenham

WELL DATA

Operator:	O'Brien Energy Resources, Inc., John Forma – Portsmouth, NH Geologists: David Ward, Ed Schuett
Well:	Preedy East No. 1B-10X, Borchers NW Field
API:	15-119-21460
Location:	350'FNL & 950'FWL, Section 10, 33S, R29W, Meade Co., KS – Southeast of Plains.
Elevation:	Ground Level 2636', Kelly Bushing 2647'
Contractor:	Duke Drilling Rig No. 5, Type: Double jacknife, double stand, Toolpusher Hector Torres, Drillers: Paul Schilowsky, Rick Rickers, Javier Ramirez
Company Man:	Dana Greathouse, Banner Engineering Co., Pittsburgh, PA.
Spud Date:	9/16/2021, 3:00 pm
Total Depth:	9/27/21, Driller 6250', Logger 6246, St. Louis Formation
Casing Program:	37 joints of 8 5/8", J-55, 24Lbs/ft, set at 1567' – cement did circulate. 4 ½" production casing to TD.
Mud Program:	Winter Mud, engineers Paul White, Chemical gel/LCM. Displaced 2600'.
Wellsite Consultant:	Peter Debenham Call depth 4200', Box 350, Drake, CO 80515, 720/220-4860.
Mudlogging trailer:	Austin Gardner, MBC Logging, Meade KS.
Samples:	30' to 5700', 20' to TD.
Electric Logs:	Wireline Logging Solutions, Ok City, OK, engineer Hector Garcia
Status:	4 ½" production casing set to TD on 9/27/21.

WELL CHRONOLOGY

DATE	AM Report DEPTH	FOOTAGE	RIG ACTIVITY
4/14	40’	40’	Move to and rig up on the Preedy East No. 1B-10. Spud in surface hole, dropped 12 ¼” PDC bit downhole at 40’. Wait on fishing services.
4/15	40’	0’	Rig up fishing tools – unable to fish out bit. Run downhole camera, cant see anything. Get new intent to drill permit from the KCC and plug rat hole and open hole.
4/16	380’	380’	Plug rat hole and open hole. Dig new cellar and skid rig 10’ south. Move mud pits and dog house and rig up. New well name Preedy East 1B-10X. Drill rat hole and spud in 12 ¼” surface hole to 380’(3:00 pm) and drill to 380’.
9/17	1100’	720’	Drill surface hole to 1100’. Survey(1/2 deg.). Work on totco and mud motor and trip out and wait on mechanic and service same.
9/18	1315’	215’	Lost circulation in the Glorietta at 1219’. Trip out 7 stands and mix mud and LCM(20 Lbs/bbl) and circulate – no returns. Trip out and mix mud and LCM and clean suction. Circulate and ream and wash to bottom with returns and drill to 1315’.
9/19	1580’	720’	Survey(1 deg.). Surface hole to 1580’ and circulate. Wiper trip and circulate. Drop survey(1 deg.) and trip for and run and cement 39 joints 8 5/8”, 24Lbs J-55 STC set at 1576’ Cement did circulate to surface. Wait on cement.
9/20	2150’	570’	Drill cement and plug. 7 7/8” hole to 150’ Survey(1/2 deg.).
9/21	2920’	770’	Displace mud system at 2600’.
9/22	4070’	1150’	Surveys(3/4 – 1 deg.).
9/23	5013’	943’	To 5013’ and circlate. Survey(3/4 deg.). Condition mud and strap out to surface – 31’ down hole correction.
9/24	5275’	262’	Stap in – 30’ downhole correction. Actual depth in 5043’. Depths corrected. Rig repair and weld new flowline. Circulate and drill to 5275’.
9/25	6047’	772’	Work on weight indicator, auto driller and draw works. To 6047’.
9/26	6185’	138’	To 6151’ and trip for Bit No. 4 – was plugged and bailed up with chippers missing. Service breaks on draw works. Break circulation to bottom and drill to 6185’.

9/27 6250’ 65’ To 6250’TD and circulate. Drop survey(1 ¼ deg.) and trip for logs and run Elogs. Trip in and circulate and trip out laying down.

9/28 TD Lay down drill pipe and run and cement 4 ½” production casing to TD. Plug rat hole and mouse hole and rig down.

BIT RECORD

NO.	MAKE	TYPE	SIZE	OUT	FOOTAGE	HOURS
1	12 ¼”	PDC Logic	12 ¼”	1580’	1580’	25 ¾
2	Taurex	PDC Taurex	7 7/8’	5013’	2433’	51’
3	Taurex	PDC	7 7/8”	6151’	1138’	31
4	But	RR	7 7/8”	6150	99’	4 3/4
				Total Rotating Hours:		112 ½
				Average:	55 ½ Ft/hr	

DEVIATION RECORD - degree

753’ ¼, 1580’ 1, 2098’ ½, 3006’ 1, 3510’ ¾, 4011’ ¾, 4514’ ¾, 6151’ ¾, 6250’ 1 ¼

MUD PROPERTIES

DATE	DEPTH	WT	VIS	PV	YP	WL	pH	CL	LCM-LBS/BBL
9/16	364’	9.5	36	6	12	100	7	1800	6
9/17	1095’	9.5	30	6	5	100	7	6K	10
9/18	1316’	9.5	38	10	22	100	7	6K	15
9/19	1580’								
9/20	2124’	9.2	32	4	7	100	8	41K	0
9/21	3132’	9.0	62	15	30	100	8.5	15K	½
9/22	4062’	9.0	38	12	14	18	10	5K	4
9/23	4962’	9.2	40	12	8	10	10.5	5K	6
9/24	5151’	9.3	40	13	8	9	10	6K	3
9/25	6035’	9.3	47	13	9	8	10	5K	6
9/26	6243’	9.3	69	14	10	8	10.5	5K	6

ELECTRIC LOG FORMATION TOPS- KB Elev. 2647'

			*Preedy East No. A1-10	
FORMATION	**DEPTH**	**DATUM**	**DATUM**	**POSITION**
Casing	1562'			
Heebner	4440'	-1793'	-1823'	+30'
Toronto	4460'	-1813'	-1848'	+34'
Lansing	4534'	-1887'	-1922'	+35'
Marmaton	5242'	-1595'	-1620'	+25'
Cherokee	5414'	-2767'	-2797'	+30'
Atoka	5669'	-3014'	-3061'	+47'
Morrow	5720'	-3073'	-3113'	+40'
"A" SS	5743'	-3096'	--	
"B" SS	5787'	-3140'	--	
Mississippi Chester	5862'	-3215'	-3259'	+44'
Basal Chester	6058'	-3411'	-3461'	+50'
Ste. Genevieve	6092'	-3445'	-3497'	+52'
St. Louis	6190'	-3543'	-3497'	+46'
TD	6246'			

*O'Brien Energy Resources, Preedy East No. 1A-10, 1650' FNL & 968' FWL, Sec. 10 – 1300' to the South, K.B. Elev. 2647'.