

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 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	PREEDY EAST 2-5
Doc ID	1566733

Tops

Name	Top	Datum
Heebner	4401	-1765
Toronto	4428	-1792
Lansing	4548	-1912
Marmaton	5180	-2544
Cherokee	5356	-2720
Atoka	5608	-2972
Morrow	5668	-3032
Mississippi Chester	5784	-3148
Ste. Genevieve	6006	-3370
St. Louis	6098	-3462



QUASAR ENERGY SERVICES, INC.

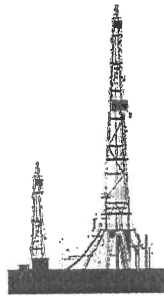
3288 FM 51

Gainesville, Texas 76240

Office: 940-612-3336

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

FRACTURING / ACID / CEMENT



BID #: 3285		AFE#/PO#: 0	
TYPE / PURPOSE OF JOB Cement- Surface		SERVICE POINT	
CUSTOMER OBRIEN ENERGY RESOURCES CORP		WELL NAME PREEDY EAST # 2-5	
ADDRESS 18 CONGRESS ST, STE 207		LOCATION	
CITY	STATE	ZIP	TYPE AND PURPOSE OF JOB Cement- Surface
DATE OF SALE 12/10/2020		COUNTY MEADE	STATE KS

QTY.	CODE	YD	UNIT	PUMPING AND EQUIPMENT USED	UNIT PRICE	AMOUNT
25	1000	L	Mile	Mileage - Pickup - Per Mile	\$3.15	\$ 78.75
75	1010	L	Mile	Mileage - Equipment Mileage - Per Mile	\$6.00	\$ 450.00
1	5440	L	Per Well	Pumping Charge 0'-3500'	\$1,575.00	\$ 1,575.00
2	6158	L	Box	Thread Lock	\$44.10	\$ 88.20
1	4780	L	Each	Guide Shoe 8 5/8"	\$491.40	\$ 491.40
1	4850	L	Each	Auto Fill Tube 8 5/8"	\$100.80	\$ 100.80
1	4880	L	Each	Insert Float 8 5/8"	\$378.00	\$ 378.00
1	4900	L	Each	Top Rubber Plug 8 5/8"	\$87.50	\$ 87.50
4	4920	L	Each	Centralizers 8 5/8"	\$88.20	\$ 352.80
1	4940	L	Each	Cement Basket 8 5/8"	\$453.60	\$ 453.60
Subtotal for Pumping & Equipment Charges						\$ 4,056.05

QTY.	CODE	YD	UNIT	MATERIALS	UNIT PRICE	AMOUNT
540	5630	L	Per Sack	Cement - Class A	\$15.75	\$ 8,505.00
1,015	5770	L	Per Lb.	Calcium Chloride	\$1.26	\$ 1,278.90
85	5800	L	Per Lb.	Cello Flakes-Poly Flake 1/8" cut	\$2.52	\$ 214.20
350	5840	L	Per Lb.	Gel (Bentinite)	\$0.32	\$ 112.00
700	5850	L	Per Lb.	Gypsum	\$0.95	\$ 665.00
700	5900	L	Per Lb.	Sodium Metasilicate (SMS) C-45	\$2.21	\$ 1,547.00
68	5950	L	Per Lb.	C-51 FWCA	\$10.71	\$ 728.28
Subtotal for Material Charges						\$ 13,050.38

WORKERS		TOTAL	\$	17,106.43
KIRBY HARPER	JESSE PAXTON	DISCOUNT:	30%	DISCOUNT
OSCAR CHAVEZ			\$	5,131.93
MARC SCHUPMAN		DISCOUNTED TOTAL		\$ 11,974.50

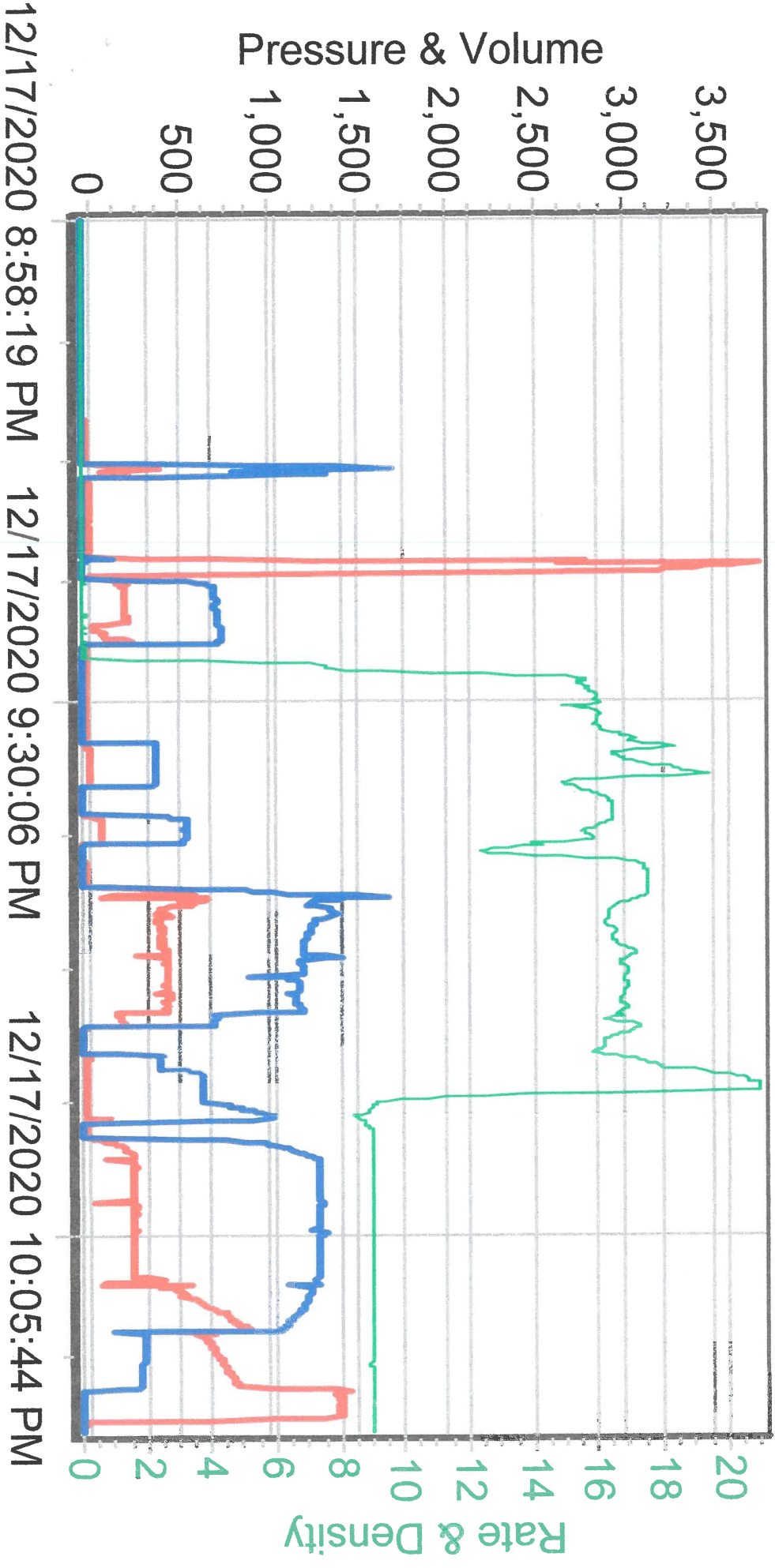
STAMPS & NOTES:

As of 9/22/15 any invoice with a discount must paid within 60 days of the invoice date. After 60 days the discount will be removed and the invoice will reflect full price.

CUSTOMER SIGNATURE & DATE
 12/11/20

****All accounts are past due net 30 days following the date of invoice. A finance charge of 1 1/2% per month or 18% annual percentage rate will be charged on all past due accounts.**

O'BRIEN ENERGY PREEDY EAST 2-5 4 1/2 PRODUCTION



O'Brien Energy Resources, Inc.
Preedy East No. 2-5, Angell South Field
Section 5, T33S, R29W
Meade County, Kansas
December 2020

Well Summary

The O'Brien Energy Resources, Preedy East No. 2-5, Angell South Field, was drilled to a total depth of 6250' in the St. Louis without any major problems. Minor lost circulation occurred at 4504'. It offset the Keystone No. 7-4 by approximately 910' to the West. The Heebner, Toronto and Lansing came in 6' to 8' high relative to his offset. The Marmaton, Cherokee and Atoka ran flat. The Morrow came in 6' low and the Morrow "C" SS ran 3' low. The Chester, Ste. Genevieve and St. Louis came in 2 low.

The Morrow "C" Sandstone(5737'-5746') consists of a sandstone in 6% of the samples: Medium to light brown, friable to hard, sucrosic, clean to argillaceous in part, fine upper to fine lower well sorted subround grains, occasionally very coarse poorly sorted and conglomeritic, siliceous cement, slightly calcareous, fair to good intergranular porosity, bright light yellow hydrocarbon fluorescence(all sandstone), good fast streaming cut, brown matrix oil stain, slight oil sheen when crushed, slight oil odor, with Chert: Translucent, clear, brown. No gas readings were documented because the bit plugged when circulating and prior to getting samples up necessitating a bit trip. The show was documented when back to drilling.

The St. Louis(6098'-6110') consists of a dolomitic Limestone: Speckled brown, mottled gray, firm to hard, brittle in part, finely crystalline, dolomitic, siliceous, subchalky in part, clean to argillaceous, trace intercrystalline porosity, fossiliferous with moldic and vuggy porosity, speckled oil stain and live oil in vugs, occasional brown matrix oil stain, very dull brown hydrocarbon florescence with excellent streaming cut, oil odor. A mud gas increase was noted on the hotwire.

4 ½" production casing was run to TD on the Preedy East No. 2-5 on 12/17/20 to evaluate the above mention hydrocarbon shows.

Respectfully Submitted,

Peter Debenham

WELL DATA

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

Prospect Geologist: David Ward, Ed Schuett, Denver

Well: Keystone No. 7-4, Angell SE Field

API: 15-119-21451

Location: 1490' FSL & 250' FEL, Section 5, T33S, R29W, Meade County, Kansas
– Southeast of Plains.

Elevation: Ground Level 2624', Kelly Bushing 2636'

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

Company Man: Dana Greathouse

Spud Date: 12/9/2020, TD 12/16/2020

Total Depth: 11/25/20, Driller 6250', Logger 6251', St. Louis

Casing Program: 37 joints of 8 5/8", J-55, 24Lbs/ft, set at 1565' with lead 360 sacks Class
A and 180 sacks Class A tail, 148 joints 4 1/2" production casing set to TD.

Mud Program: Winter Mud, Engineer Theran Hegwood, Chemical Gel LCM, displaced
2600'.

Wellsite Consultant: Peter Debenham, Call depth 3000', Box 350, Drake, CO 80515, 720/220-
4860.

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

Samples: 30' to 5700', 20' to TD

Electric Logs: Wireline Logging solutions, OKC, OK, Engineer Hector Garcia, Array
Induction, Compensated Neutron/Density, Microlog, Hi Res

Status: 4 1/2" production casing run to TD. Plug down 10:22 PM 12/17/20.

WELL CHRONOLOGY

11 PM	<u>DATE</u>	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>RIG ACTIVITY</u>
	12/10	860'	860'	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 860'. Survey(1/2 deg.).
	12/11	1585'	725'	Surface hole to 1585' and circulate. Wiper trip and circulate. Drop survey(1 deg.) and trip for surface casing. Run and cement 37 joints 8 5/8" J-55 STC set at 1573' – cement did circulate. Wait on cement. Nipple up.
	12/12	2961'	1376'	Nipple up and pressure test BOP. Drill plug and cement and 7 7/8" hole to 2961'. Survey(1 deg.). Displace mud system at 2616'.
	12/13	4127'	1166'	Survey(3/4 deg.). Cold and snow.
	12/14	4567'	440'	To 4504' with partial returns(50%). Trip to shoe and work on premix tank and mix mud and LCM and stage into hole. Drill with full returns to 4567'.
	12/15	5669'	1102'	Rig hands getting stuck in the snow, front end loader clearing rig road and pulling hands around. Cold and snow.
	12/16	6175'	506'	Circulate for samples and trip for plugged bit at 5764' – unable to circulate samples out.
	12/17	6250'TD	75'	To TD and circulate. Wiper trip and circulate. Trip for logs and run Elogs. Trip in and circulate. Trip out laying down and run and cement 4 1/2" production casing to TD. Plug down 10:22 PM 12/17/20.

BIT RECORD

<u>NO.</u>	<u>MAKE</u>	<u>TYPE</u>	<u>SIZE</u>	<u>OUT</u>	<u>FOOTAGE</u>	
1	PL 519		12 1/4"	1585'	1585'	15 3/4
2	TXT 516		7 7/8"	6250'	4665'	73 3/4
				Total Rotating Hours:		89 1/2
				Average:		69.8 Ft/hr

DEVIATION RECORD - degree

791' 1/2, 1585' 1, 2020' 1, 3024' 3/4, 4001' 3/4, 5764' 1 1/2, 6250' 1

MUD PROPERTIES

<u>DATE</u> <u>LBS/BBL</u>	<u>DEPTH</u>	<u>WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>pH</u>	<u>WL</u>	<u>CL</u>	<u>LCM-</u>
12/10	984'	9.4	32	8	9	8.5	na	1800	9
12/11	1585'	8.4	27	1	1	8	na	1500	0
12/12	3018'	8.8	45	18	22	9.5	20	7K	2
12/13	4211'	9.2	38	12	13	10.5	20	10K	3
12/14	4504'	9	38	14	10	10	12	5.2K	10
12/15	5728'	9.1	49	15	10	11	6	3.2K	6
12/16	6250'	9.2	60	25	15	10.5	6.4	2.9K	8

ELECTRIC LOG FORMATION TOPS- KB Elev. 2636'

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>*Keystone No. 7-4</u> <u>DATUM</u>	<u>POSITION</u>
Casing	1565'			
Heebner	4401'	-1765'	-1772'	+7'
Toronto	4428'	-1792'	-1798'	+6'
Lansing	4548'	-1792'	-1798'	+6'
Marmaton	5180'	-2544'	-1543'	-1'
Cherokee	5356'	-2720'	-2720'	0'
Atoka	5608'	-2972'	-2972'	0'
Morrow	5668'	-3032'	-3026'	-6'
"B" SS	na			
"C" SS	5737'	-3101'	-3097'	-4'
Mississippi Chester	5784'	-3148'	-3145'	-3'
Basal Chester	5970'	-3334'	-3330'	-4'
Ste. Genevieve	6006'	-3370'	-3368'	-2'
St. Louis	6098'	-3462'	-3460'	-2'
TD	6250'			

*O'Brien Energy Resources, Keystone No. 7-4, 1485' FSL & 660' FWL, Section 4, 33 S, 29W – app. 910' to the East., K.B. Elev. 2634'.

OPERATOR

Company: O'Brien Energy Resources, Corp.
 Address: 18 Congress St., Suite 207
 Portsmouth, NH 03801
 President/Owner John and Joe Forma


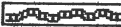




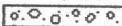
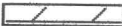

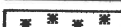
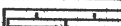



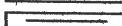
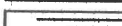

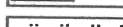

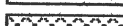
GEOLOGIST

Name: Wellsite: Peter Debenham
 Company: Petrolific Consulting Services
 Address: P.O. Box 350
 Drake, CO 80515
 720/220-4860, Petrolific@gmail.com








































































Comments

Duke Drilling Rig No. 1, Type: Double jackknife, double stand, Toolpusher Mike Godfrey, Drillers: Brothers Carlos and Saul Garcia, Alejandro A. Vazquez, Engineer Dana Greathouse, Winter Mud engineer Theran Hegwood, displaced 2616', Wireline Logging solutions, OKC, OK, Engineer Hector Garcia, Array Induction, Compensated Neutron/Density, Microlog, Hi Res. 37 joints of 8 5/8", J-55, 24Lbs/ft, set at 1565' with lead 360 sacks Class A and 180 sacks Class A tail, 4 1/2 production casing set to TD 10:22 PM 12/17/20.
























ROCK TYPES

 Anhy  Bent  Brec  Cht	 Clyst  Coal  Congl  Dol	 Gyp  Igne  Lmst  Meta	 Mrlst  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
---	---	---	---	---

ACCESSORIES

FOSSIL  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom MINERAL  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb	 Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau  Gyp  Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt	 Sandy  Silt  Sil  Sulphur  Tuff STRINGER  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst  Sltstrg	 Ssstrg TEXTURE  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
--	--	---	--	--

OTHER SYMBOLS

INTERVALS  Core  Dst EVENTS  Rft  Sidewall	POROSITY TYPE  Earthy  Fenest  Fracture  Inter  Moldic  Organic	OTHER SYMBOLS  Pinpoint  Vuggy SORTING  Well  Moderate  Poor	ROUNDING  Rounded  Subrnd  Subang  Angular	OIL SHOWS  Even  Spotted  Ques  Dead
---	--	---	---	---

Petrolific Consulting Services

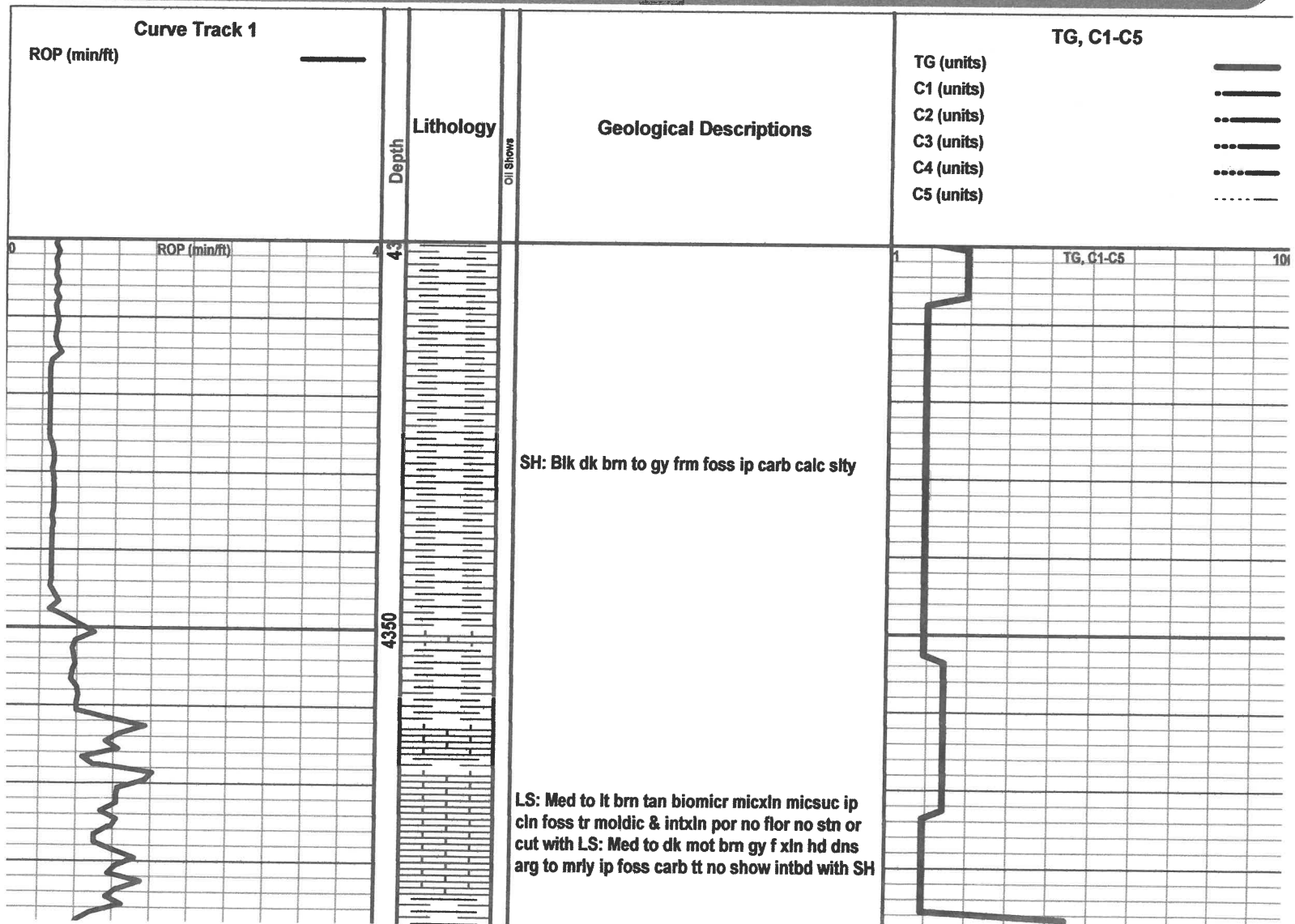
Peter Debenham
 P.O. Box 350
 Drake, Colorado 80515

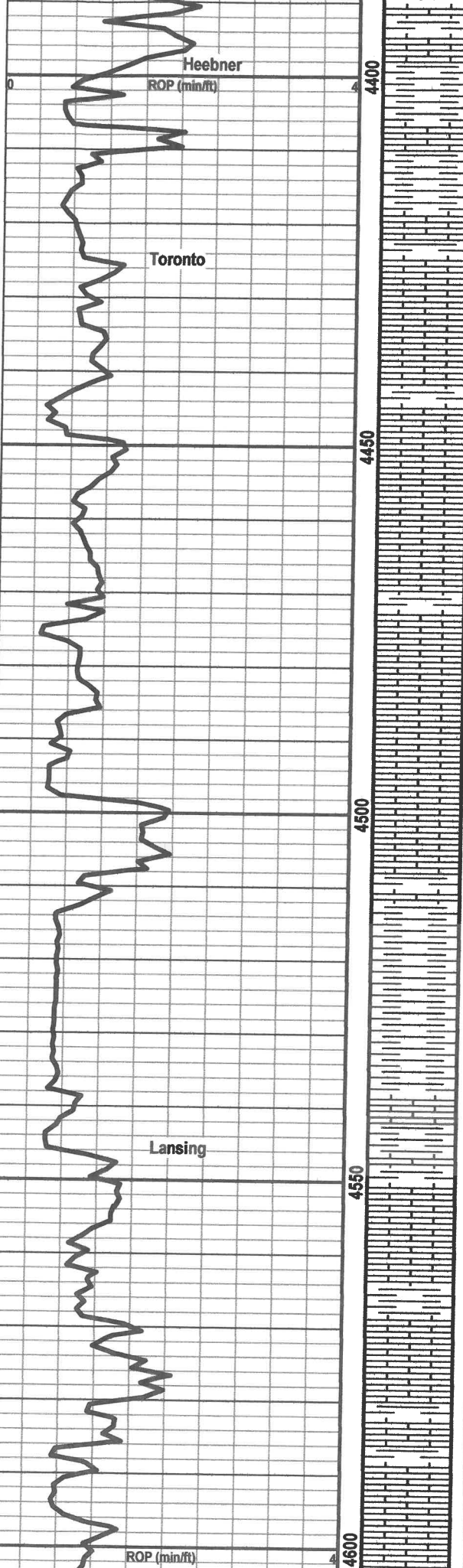
Wellsite Geology
 720/220-4860
 petrolific@earthlink.net

Scale 1:240 (5"=100') Imperial

Well Name: Preedy East No. 2-5, Angell South Field
Location: 1490'FSL & 250'FEL, Section 5, 33S, R29W, Meade Co., KS
Licence Number: API: 15-119-21451 **Region:** Houghton
Spud Date: 12/9/20 **Drilling Completed:** 12/16/20
Surface Coordinates: 1490'FSL & 250'FEL, Section 5, 33S, R29W, Meade Co., KS
Bottom Hole Coordinates: 1490'FSL & 250'FEL, Section 5, 33S, R29W, Meade Co., KS
Ground Elevation (ft): 2624' **K.B. Elevation (ft):** 2636'
Logged Interval (ft): 4000' **To:** TD **Total Depth (ft):** 6250'
Formation: Lansing, Morrow, Chester, Ste Genevieve, St. Louis
Type of Drilling Fluid: Chemical Ge/LSND/LCM, mud up 2616'

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com





SH: Blk dk brn to gy frm foss ip carb calc slty

LS: Med to lt brn tan biomicr micxn micsuc ip cln foss tr moldic & intxn por no flor no strn or cut with LS: Med to dk mot brn gy f xln hd dns arg to mrlly ip foss carb tt no show

SH: Blk dk brn to gy frm foss ip carb calc slty

LS: Lt to med brn tan micxn micsuc ip cln to arg foss carb incl tr intxn por no show with LS: Med to dk mot brn occ blk f xln dns foss arg to mrlly ip carb tt no show

SH: Gy brn frm blkly foss carb occ intbd with LS: aa no show

LS: Med to dk mot brn occ blk f xln dns foss arg to mrlly ip carb tt no show intbd with SH: Gy brn frm blkly foss carb occ intbd with LS: aa no show

LS: Mot brn lt brn gy biomicr f xln hd dns foss cln to arg occ tr intxn & moldic por no show

