

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	Pollok Energy, LLC
Well Name	Z-BAR 12-13
Doc ID	1433385

All Electric Logs Run

Dual Induction
Compensated Density Neutron
Microlog
Cement Bond

Exhibit "A"

GEOLOGICAL REPORT Z-BAR 12-13 12-T35S-R15W BARBER COUNTY, KANSAS

SUMMARY

The above noted well was drilled to a depth of 5,200 feet on January 14, 2019. A one-man logging unit was on location from 2,500 feet, with one-man logging beginning at 3,700 feet. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density, and Micro-log. From the data collected while drilling and analyzing, potential hydrocarbon shows were encountered in the Mississippian. The decision was made to set production casing and complete the well in the Mississippian.

MISSISSIPPIAN DETRITAL

The top of the Mississippian was cut at 4,987 (-3,383') feet. A Detrital zone was first cut with samples that were described as dolomitic tripolitic chert. The samples were described as off-white cream in color with a fine to very fine crystalline texture. Samples were brittle to moderately firm in part with inter-crystalline porosity. Very good streaming cut with faint oil odor. Electric logs indicated a 58 foot zone with porosity averaging 14 percent and as high as 18 percent accompanied by cross-over on the micro-log. The gas chromatograph recorded a gas kick of 135 units.

MISSISSIPPIAN CHERT

A chert was cut at 5,038 (-3,434') feet. Samples were described as off-white to tan. Cuttings were described as tripolitic chert. Electric logs indicated a 6 foot zone with cross-plot porosity of 17% and as high as 18% along with cross-over on the micro-log. The gas chromatograph recorded a gas kick of 345 units.

MISSISSIPPIAN DOLOMITE

The dolomite was encountered at 5,060 (-3,456') feet. The dolomite was tan buff to light brown in color. The samples were very fine to fine intercrystalline porosity with a moderately bright yellow fluorescence. Fair streaming cut and faint oil odor. Electric logs indicated a 24 foot zone with an average porosity of 12 percent and as high as 14 percent accompanied by cross-over on the micro-log and a 332 unit gas kick.

ELECTRIC LOG TOPS

	ASSOC. PERTOLEUM CONSULANTS Z-BAR RANCH 1-11 SE SE 11-T35S-R15W	POLLOK ENERGY Z-BAR 12-13 NE SW SW SW 12-T35S-R15W
BS. HEEBNER (Subsea)	4,108' (2,495')	4,106' (-2,502')
LANSING/KC (Subsea)	4,297' (2,684')	4,298' (-2,694')
HUSHPUCKNEY (Subsea)	4,757' (3,144')	4,762' (-3,158')
CHEROKEE SHALE (Subsea)	4,944' (3,331')	4,942' (-3,338')
MISSISSIPPIAN (Subsea)	4,987' (3,374)	4,987' (-3,383')

CONCLUSION

The Z-Bar 12-13 was drilled for potential hydrocarbon production from the Mississippian. After all the data was collected and analyzed, the decision was made to set production casing and attempt completion in the Mississippian.

Respectfully Submitted,



Mike Pollok, 1/25/2019
President

Customer Pollok Energy LLC	Lease No.	Date 1-15-19
Lease 12 Bar	Well # 17-12	
Field Order # 1742	Station P.O. H. K. 17-12	Casing 4 1/2
		Depth 5197.16
Type Job 1 1/2 Perforated - 2-47	Formation	County Butler
		State KS
		Legal Description 12-253-15W

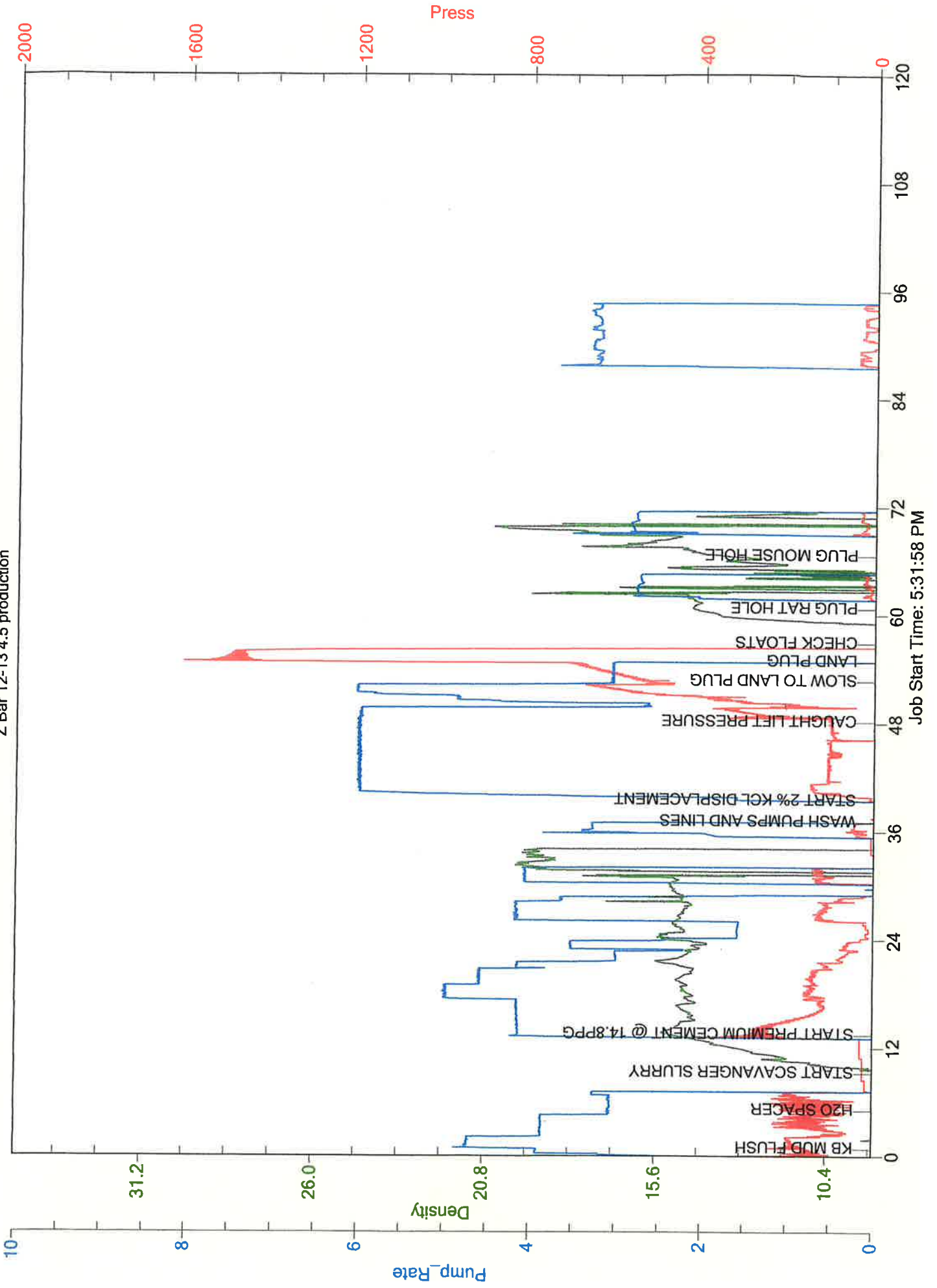
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
Depth 5197.16	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 82.6	Volume	From	To	Pad	Min		10 Min.	
Max Press 2400	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative David Hickman	Station Manager Bryan Wickman	Treater Francis Gordon						
Service Units 76565	7336	5672	19403	19862				
Driver Names D.S.	Bose	T.S.	Mike	M.K.C.				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1100					Arrive on site 11:15 AM
1130					Prep for job
1300					Temp 50 PA-7
					Chlor 640 salt water < 200
					T. + 1 Pipe PAN- 5197.16' show - 2300'
					FSH 116 - 2-1 casing - 2,46,8,12,13
1330	950				circulated 30 min 4/0
1410	110				circulated 30 min 8/0
1600	500				Prep 1/16" spacer
1630	160		12	4	Prep KBM 15 min
1635	160		5	4	Prep H2O spacer
1638	160		6	4	Prep 25% spacer
1640	160		0	4	Start prep cement 14/16
1650	160	3257		4	125% Premium cement @ 14/16
1700	110		63.5	4	250% Prem cement @ 14/16
1705					S/D wash pump 10 min
1710	100		0	6	D/P start H2O/20% gel prep
1719	230		53	6	average 1.5/1 pressure
1722	650		72	3	slow down to 1.5/1
1726	150		87	3	low 1.5/1
1730			Log 100	650	check FL. F.H. 2500'
			400 - 1600.98	700-359602	Prep Barite - 30% prep 11-20 3T

Pollok Energy Ilc

Z Bar 12-13 4.5 production



HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE



Last Fracture Date:	3/19/2019
County:	Barber
API Number (14 Digits):	15-007-24339-00-00
Operator Name:	Polllok Energy LLC
Well Name and Number:	Z-Bar 12-13
Latitude:	37.00786
Longitude:	-98.90894
Datum:	NAD83
Production Type:	Oil & Gas
True Vertical Depth (TVD):	5200
Total Base Fluid Volume (gal)*:	415,842

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Authorized Representative's Name, Address and Phone Number
Water	Polllok Energy	Carrier/Base Fluid	Water	7732-18-5	100.00%	94.44365%	
30/50 Premium Sand	SPS	Proppant Agent		Listed Below			
20/40 Garnet Resin Sand	SPS	Proppant Agent		Listed Below			
FRA-2 Friction Reducer	SPS	Friction Reducer		Listed Below			
W-10 NE/Surfactant	SPS	Surfactant		Listed Below			
Dry Biocide/Bio-Clear 1.0	SPS	Bio-Control		Listed Below			
			Silica Substrate	14808-60-7	100.00%	4.08234%	
			Crystalline Silica	14808-60-7	99.00%	1.34717%	
			Polyurethane Resin (Nuisance Dust)	57029-46-6	2.00%	0.02722%	
			Petroleum Distillate Hydro-treated Light copolymer of 2-propanamide	064742-47-8	20.00%	0.01295%	
			79-06-1		30.00%	0.01943%	
			Ammonium chloride ((NH4)Cl)	12125-02-9	1.00%	0.00065%	
			Oleic Acid Diethanolamide	93-83-4	1.00%	0.00065%	
			Water	7732-18-5	60.00%	0.03885%	
			Isopropanol	67-63-0	7.00%	0.00331%	
			Methanol	67-56-1	10.00%	0.00473%	
			Ethoxylated Nonylphenol	127087-87-0	10.00%	0.00473%	
			Denatured Ethyl alcohol	64-17-5	7.00%	0.00331%	
			Mixture	Proprietary	66.00%	0.03119%	Bryce Hoisington, scinfo@jimmosppecinc.com, 713-936-4340
			2,2-Dibromo-3-Nitropropionamide	10222-01-2	97.60%	0.001209%	

Ingredients shown above are subject to 29 CFR 19.10.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							

*Total Water Volume sources may include fresh water, produced water, and/or recycled water. ** Information is based on the maximum potential for concentration and thus the total may be over 100%. Ingredient information for chemicals subject to 29 CFR 19.10.1200(i) and Appendix D are obtained from suppliers' Material Safety Data Sheets (MSDS).

Customer: <u>Pollak Energy</u>	Lease No.:	Date: <u>11/9/2019</u>
Lease: <u>Z Bsr</u>	Well #: <u>12-13</u>	
Field Order #: <u>17561</u>	Station: <u>Pratt, KS</u>	Casing: <u>8 5/8</u>
		Depth: <u>855</u>
Type Job: <u>242/8 5/8 Surface</u>	Formation: <u>TD-860</u>	County: <u>Beriber</u>
		State: <u>KS</u>
		Legal Description: <u>12-355-150</u>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<u>8 5/8</u>								
Depth <u>855</u>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <u>54.4</u>	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush <u>Water</u>	Gas Volume		Total Load	

Customer Representative: Dylan Hickman Station Manager: Justin Westerman Treater: Darin Frisvold

Service Units	<u>78542</u>	<u>19843</u>	<u>19889</u>	<u>19860</u>	<u>19903</u>	<u>19862</u>			
Driver Names	<u>Darin</u>	<u>Ed</u>	<u>Ed</u>	<u>Darin</u>	<u>Darin</u>	<u>Darin</u>			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>4:30 pm</u>					<u>On location / Setup machine</u>
					<u>250SK D-Con Blend Cement, 3% Calcium Chloride, 0.25ppm Cellulose</u>
					<u>12.4 pps, 2.23 vells, 12.67 water</u>
					<u>150SK Common Cement, 2% Calcium Chloride, 0.25ppm Cellulose</u>
					<u>15.6 pps, 1.20 vells, 5.23 water</u>
<u>9:30 am</u>	<u>300</u>		<u>3</u>	<u>6</u>	<u>Pump 3 bbls water</u>
	<u>300</u>		<u>99</u>	<u>6</u>	<u>mix 250SK less cement</u>
	<u>300</u>		<u>32</u>	<u>6</u>	<u>mix 150SK Tg-1 cement</u>
					<u>Shut down</u>
					<u>Release plug</u>
	<u>300</u>		<u>0</u>	<u>5</u>	<u>Start displacement</u>
	<u>300</u>		<u>41</u>	<u>3</u>	<u>Slow rate</u>
	<u>300</u>		<u>51</u>	<u>3</u>	<u>Bump plug</u>
					<u>Shut in</u>
					<u>Cement dia Circulate 20 bbls</u>
					<u>Job Complete / Darin & crew</u>
					<u>Thank you!!!</u>

June 17, 2019

Maggie Fredrickson
Pollok Energy, LLC
501 N. 4TH
PO BOX 106
PURCELL, OK 73080-0106

Re: ACO-1
API 15-007-24339-00-00
Z-BAR 12-13
SW/4 Sec.12-35S-15W
Barber County, Kansas

Dear Maggie Fredrickson:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 01/08/2019 and the ACO-1 was received on June 17, 2019 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department