

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	Richlan Drilling, a General Partnership
Well Name	MIKE 1
Doc ID	1432919

All Electric Logs Run

Computer Processed Interpretation
Dual Induction Log
Dual Comp Porosity Log
Microresistivity Log

Form	ACO1 - Well Completion
Operator	Richlan Drilling, a General Partnership
Well Name	MIKE 1
Doc ID	1432919

Tops

Name	Top	Datum
Anhydrite	446	+1296
B Anhydrite	461	+1281
Heebner	2748	-1006
Toronto	2769	-1027
Douglas	2778	-1036
Brown Lime	2866	-1121
Lansing	2891	-1149
Base Kansas City	3181	-1439
Conglomerate	3195	-1453
Arbuckle	3214	-1472
RTD	3292	-1550
LTD	3293	-1551



P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300

Invoice

DATE	INVOICE #
9/3/2018	27391

BILL TO
Richlan Drilling 598 2nd Ave. Beaver, KS 67525

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Mike	Rice	WW Drilling	Oil	Development	Long String	David E
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	5.00	400.00
578D-L	Pump Charge - Long String				1	Job	1,300.00	1,300.00
290	D-Air				2	Gallon(s)	42.00	84.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
402-5	5 1/2" Centralizer				6	Each	70.00	420.00T
403-5	5 1/2" Cement Basket				1	Each	275.00	275.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
325	Standard Cement				175	Sacks	13.00	2,275.00T
284	Calseal				8	Sack(s)	35.00	280.00T
283	Salt				950	Lb(s)	0.20	190.00T
292	Halad 322				100	Lb(s)	8.00	800.00T
276	Flocele				44	Lb(s)	2.50	110.00T
581D	Service Charge Cement				175	Sacks	1.75	306.25
583D	Drayage				734	Ton Miles	0.85	623.90
	Subtotal							8,439.15
	Sales Tax Rice County						7.50%	435.68

We Appreciate Your Business!	Total	\$8,874.83
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Services, Inc.

CHARGE TO: Richard Drilling
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

PAGE 1 OF 1

TICKET 27391

1. SERVICE LOCATIONS <u>Fays ks</u>	WELL/PROJECT NO. <u>#1</u>	LEASEE <u>Mike</u>	COUNTY/PARISH <u>Little</u>	STATE <u>ks</u>	DATE <u>9-3-18</u>	OWNER
2. <u>Ness City ks</u>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>HWI Drilling</u>	RIG NAME/NO. <u>Rig #</u>	SHIPPED VIA <u>OR</u>	ORDER NO.	
3. <u>0.1</u>	WELL TYPE	WELL CATEGORY <u>development</u>	JOB PURPOSE <u>Long String</u>	DELIVERED TO <u>Location</u>	WELL PERMIT NO.	WELL LOCATION
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
<u>15</u>					<u>Trk # 111</u>							
<u>548</u>					<u>Pump Charge - Long String</u>							
<u>290</u>					<u>D-Air</u>							
<u>221</u>					<u>David Hae</u>							
<u>281</u>					<u>Mud Lush</u>							
<u>402</u>					<u>Centralizer</u>							
<u>403</u>					<u>Cement Basket</u>							
<u>406</u>					<u>Catch Down Plug & Barrel</u>							
<u>407</u>					<u>Insert Floor Shoe w/ Auto Fill</u>							

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED _____ TIME SIGNED _____

A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 11 TOTAL 8894.83

SWIFT OPERATOR _____ APPROVAL _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 9-3-18 PAGE NO.

CUSTOMER *Richton Drilling* WELL NO. *#1* LEASE *Mike* JOB TYPE *Long String* TICKET NO. *27391*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	<i>1800</i>							<i>On location</i>
								<i>Rtd - 3292</i>
								<i>Total Pipe - 3291</i>
								<i>Shoe - 19.5' Baffle - 3271.5</i>
								<i>Centralizers - Shoe Jr, 1, 2, 4, 7, 11</i>
								<i>Basket - 1</i>
	<i>2000</i>							<i>Start Running Csg</i>
	<i>2200</i>							<i>Circ on Bottom</i>
	<i>2300</i>	<i>2.5</i>	<i>8</i>			<i>0</i>		<i>Plug rat hole - 30 sks</i>
								<i>Plug mouse hole</i>
	<i>2305</i>	<i>5.5</i>	<i>12</i>			<i>200</i>		<i>Pump mudflush - 500 gal</i>
	<i>2310</i>	<i>5.5</i>	<i>20</i>			<i>200</i>		<i>Pump Kel Spacer</i>
	<i>2315</i>	<i>5.5</i>	<i>35</i>			<i>200</i>		<i>pump Cmt - 145 sks @ 15.5 PPG</i>
								<i>Drop plug</i>
	<i>2330</i>							<i>Start Disp</i>
	<i>2345</i>	<i>5</i>	<i>76</i>			<i>600/1500</i>		<i>land plug - lift psi - 600 #</i>
								<i>land psi - 1500 #</i>
								<i>Release psi - Dry</i>
								<i>Job Complete</i>
								<i>Thanks</i>
								<i>David, Zach & Isaac</i>

2



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
 PHONE:785-324-1041 FAX:785-483-1087
 EMAIL: cementing@ruraltel.net

Date: 8/30/2018
 Invoice # 939
 P.O.#:
 Due Date: 9/29/2018
 Division: *Russell*

Invoice

Contact:
 RICHLAND DRILLING
Address/Job Location:

598 2ND AVE
 BEAVER, KS 67525

Reference:
 MIKE 1 SEC 18-18-9

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 641.27	No				
Common-Class A	145	\$ 2,146.91	Yes				
Calcium Chloride	7	\$ 281.75	Yes				
POZ Mix-Standard	35	\$ 176.09	Yes				
Bulk Truck Matl-Material Service Charge	190	\$ 136.56	No				
Pump Truck Mileage-Job to Nearest Camp	35	\$ 113.20	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	35	\$ 88.05	No				
Premium Gel (Bentonite)	3	\$ 62.53	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,646.36
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (91.16)

SubTotal for Taxable Items: \$ 2,600.60
 SubTotal for Non-Taxable Items: \$ 954.60

7.50% Rice County Sales Tax

Total: \$ 3,555.20
 Tax: \$ 195.05
Amount Due: \$ 3,750.25
Applied Payments:
Balance Due: \$ 3,750.25

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

*Pa 9-13-18
 CK 9775*

QUALITY OILWELL CEMENTING, INC.

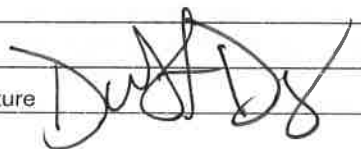
Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 939

Cell 785-324-1041

Date	8-30-18	Sec.	18	Twp.	18	Range	9	County	Rice	State	Ks	On Location		Finish	6:00 AM
Lease								Location Bushton Gas plant - 1 1/2 S, 1/4 W, 5/4 Into							
mike								Well No. 1		Owner					
Contractor WW # 4								To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job Surface															
Hole Size 12 1/4"				T.D. 315'				Charge To Richlan Drilling							
Csg. 8 5/8"				Depth 315'				Street							
Tbg. Size				Depth				City				State			
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg. 15'				Shoe Joint 15'				Cement Amount Ordered 180 80/20 3% CC 2% Gel							
Meas Line				Displace 19 BLS											
EQUIPMENT															
Pumptrk 16 No. Cementer				Helper David				Common 145							
Bulktrk 3 No. Driver				Tony				Poz. Mix 35							
Bulktrk p.u. No. Driver				Rick				Gel. 3							
								Calcium 7							
JOB SERVICES & REMARKS															
Remarks: Cement did Circulate								Hulls							
Rat Hole								Salt							
Mouse Hole								Flowseal							
Centralizers								Kol-Seal							
Baskets								Mud CLR 48							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
								Sand							
								Handling 190							
								Mileage							
FLOAT EQUIPMENT															
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge Surface							
								Mileage 35							
X Signature 								Tax							
								Discount							
								Total Charge							



Company: Richlan Drilling Lease: Mike #1

SEC: 18 TWN: 13S RNG: 9W
County: RICE
State: Kansas
Drilling Contractor: WW Drilling, LLC -
Rig 10
Elevation: 1739 EGL
Field Name: Farmer North
Pool: WILDCAT
Job Number: 222

Operation:
Test Complete

DATE
September
02
2018

DST #1 Formation: Arbuckle Test Interval: 3175 - 3232' Total Depth: 3232'

Time On: 14:15 09/02 Time Off: 21:32 09/02
Time On Bottom: 15:55 09/02 Time Off Bottom: 19:10 09/02

Electronic Volume Estimate:
153'

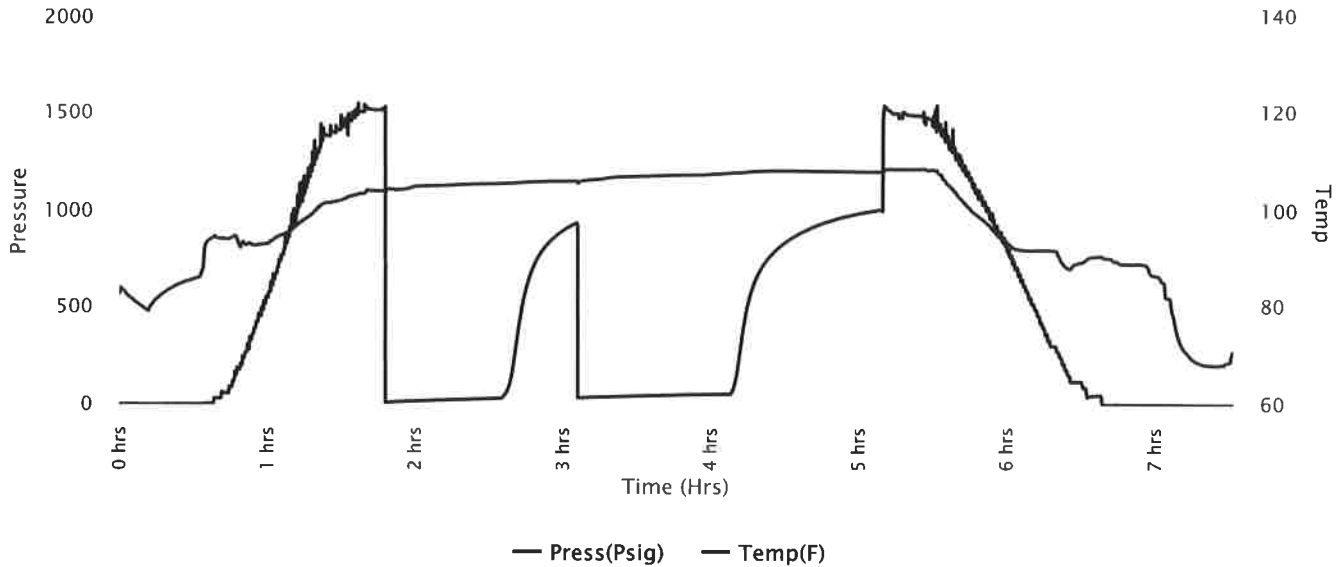
1st Open
Minutes: 45
Current Reading:
4" at 45 min
Max Reading: 4"

1st Close
Minutes: 30
Current Reading:
0" at 30 min
Max Reading: 0"

2nd Open
Minutes: 60
Current Reading:
5" at 60 min
Max Reading: 5"

2nd Close
Minutes: 60
Current Reading:
.25" at 60 min
Max Reading: .25"

Inside Recorder





Company: Richlan Drilling
Lease: Mike #1

SEC: 18 TWN: 18S RNG: 9W
 County: RICE
 State: Kansas
 Drilling Contractor: WW Drilling, LLC - Rig 10
 Elevation: 1739 EGL
 Field Name: Farmer North
 Pool: WILDCAT
 Job Number: 222

Operation:
 Test Complete

DATE
 September
02
 2018

DST #1 **Formation: Arbuckle** **Test Interval: 3175 - 3232'** **Total Depth: 3232'**
 Time On: 14:15 09/02 Time Off: 21:32 09/02
 Time On Bottom: 15:55 09/02 Time Off Bottom: 19:10 09/02

Recovered

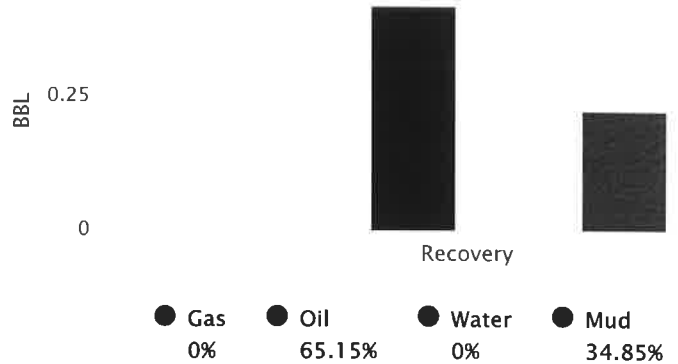
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
65	0.35704	O	0	100	0	0
60	0.2952	OCM	0	23	0	77

Total Recovered: 125 ft
 Total Barrels Recovered: 0.65224

Reversed Out
 NO

Initial Hydrostatic Pressure	1528	PSI
Initial Flow	14 to 37	PSI
Initial Closed in Pressure	943	PSI
Final Flow Pressure	40 to 60	PSI
Final Closed in Pressure	1013	PSI
Final Hydrostatic Pressure	1518	PSI
Temperature	109	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance





Company: Richlan Drilling
Lease: Mike #1

SEC: 18 TWN: 18S RNG: 9W
 County: RICE
 State: Kansas
 Drilling Contractor: WW Drilling, LLC -
 Rig 10
 Elevation: 1739 EGL
 Field Name: Farmer North
 Pool: WILDCAT
 Job Number: 222

Operation:
 Test Complete

DATE
 September
02
 2018

DST #1 **Formation: Arbuckle** **Test Interval: 3175 - 3232'** **Total Depth: 3232'**
 Time On: 14:15 09/02 Time Off: 21:32 09/02
 Time On Bottom: 15:55 09/02 Time Off Bottom: 19:10 09/02

Down Hole Makeup

Heads Up: 6.5499999999998 FT	Packer 1: 3170 FT
Drill Pipe: 3035.39 FT <i>ID-3 1/2</i>	Packer 2: 3175 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 3162 FT
Collars: 121 FT <i>ID-2 1/4</i>	Bottom Recorder: 3213 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 57	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: .5 FT	
Drill Pipe: (in anchor): 32 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 20 FT <i>4 1/2-FH</i>	

Mud-Co / Service Mud Inc.

100 S. Main, Suite #310
Wichita, Ks. 67202
Ph: 316-264-2814 Fax: 316-264-5024

Main Payments To: Mud-Co/ Service Mud Inc.
100 S. Main, Suite #310
Wichita, Ks. 67202

Sold To: RICHLAN DRLG.
598 2ND AVE.
BEAVER, KS 67517

Invoice Date:
9/14/2018

Invoice Number:
0039370-IN

Well No.
31880

Spud Date
8/29/2018

Ship To: WW DRLG #4
#1 MIKE
18-18S-9W
RICE, KS

Shipped From Pratt Warehouse

Quantity	Description	Unit Price	Per	Amount
40	COTTON SEED HULLS	16.69	BAG	667.60
16	CAUSTIC SODA	62.52	BAG	1,000.32
2	CO-POLY-L	171.12	5GAL	342.24
1	DESCO	119.78	BAG	119.78
6	DRILL PAK	306.90	BAG	1,841.40
6	LIME	10.23	BAG	61.38
300	PREMIUM GEL	17.11	BAG	5,133.00
23	SODA ASH #50	24.04	BAG	552.92
11	SUPER LIG	26.60	BAG	292.60

10/24/18 - km

*** If Paid by ~~10/14/2018~~ you are entitled ***
*** to a 15% discount of \$1,702.10***

Total Mud Cost: 10,011.24
Trucking Cost: 1,336.07
Sales Tax: 0.00
Invoice Total: 11,347.31
- 1702.10
9645.21

PAST DUE ACCOUNTS ARE SUBJECT TO A SERVICE CHARGE OF 1.25% PER MONTH AND ALL COSTS OF COLLECTION, INCLUDING ATTORNEY'S FEES

*Pd 10-1-18
CK 9827*

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET 128103

DATE SHIPPED <i>8-29-18</i>	F.O.B.	PREPAID	FINAL WELL
DELIVERING WAREHOUSE <i>Pratt</i>	WAREHOUSE <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	WELL SITE <input type="checkbox"/>	COLLECT	TICKET
		<input type="checkbox"/>	

SOLD TO <i>Richlan Drilling</i>	SHIPPED TO <i>WW #4</i>	WELL NAME & NO <i>Mike #1</i>
ADDRESS	SHIPPED VIA <i>75+37</i>	COUNTY, STATE <i>Rice KS</i>
CITY, STATE, ZIP	ORDER NO. <i>31880</i>	SEC <i>18</i> TWN <i>18</i> RNG <i>9W</i>

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#	<i>19</i>	Bag			
2. Mud-Co Gel	100#	<i>280</i>	Bag			
3. Salt Clay	50#		Bag			
4. Drill Starch	50#		Bag			
5. Lime	50#	<i>6</i>	Bag			
6. Cotton Seed Hulls	50#	<i>100</i>	Bag			
7. Soda Ash	50#	<i>28</i>	Bag			
8. Lignite	50#	<i>15</i>	Bag			
9. Drill Pac	50#	<i>8</i>	Bag			
10. Desco	25#	<i>2</i>	Bag			
11. Co-Poly L	5gal	<i>2</i>	BKT			
12. X-Cide 102W	5gal		BKT			
13. Milguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19.						
20.						
21.						
22.						

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL
	TRUCK #	MILEAGE	FROM	
DATE RECEIVED	@			SALES TAX
	@			
	@			TRANSPORTATION
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			TOTAL

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2814

DELIVERY TICKET 128125

DATE SHIPPED 9-1-18	F.O.B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL <input type="checkbox"/>
DELIVERING WAREHOUSE RH	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	TICKET
SHIPPED TO WW4	WELL NAME & NO Mike #1		
SHIPPED VIA 75	COUNTY, STATE Rice KS		
ORDER NO.	SEC 18	TWN 18	RNG 9

SOLD TO
Richlan Drilling

ADDRESS

CITY, STATE, ZIP

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#	7	Bag			
2. Mud-Co Gel	100#	175	Bag			
3. Salt Clay	50#		Bag			
4. Drill Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Hulls	50#	50	Bag			
7. Soda Ash	50#	7	Bag			
8. Lignite	50#	7	Bag			
9. Drill Pac	50#	2	Bag			
10. Desco	25#		Bag			
11. Co-Poly L	5gal		BKT			
12. X-Cide 102W	5gal		BKT			
13. Milguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19.						
20.						
21.						
22.						

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES		SUB TOTAL
	TRUCK #	MILEAGE	FROM
DATE RECEIVED	@		SALES TAX
	@		
	@		TRANSPORTATION
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES		TOTAL

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 310 • Wichita, KS 67202 • 316-264-2614

DELIVERY TICKET 128189

DATE SHIPPED 9-14-18	F.O.B. WAREHOUSE <input type="checkbox"/>	PREPAID <input type="checkbox"/>	FINAL WELL TICKET
DELIVERING WAREHOUSE H	WELL SITE <input type="checkbox"/>	COLLECT <input type="checkbox"/>	3
SHIPPED TO LW 4	WELL NAME & NO. m: 6 #1		
SHIPPED VIA 75-37	COUNTY, STATE Beech KS		
ORDER NO.	SEC 18	TWN 18	RNG 9

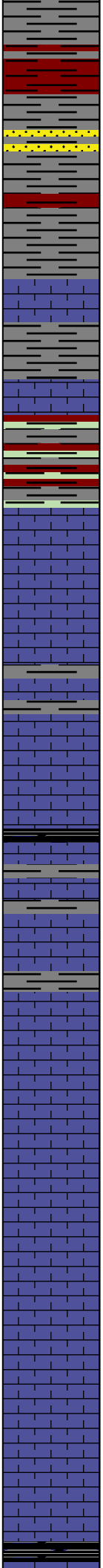
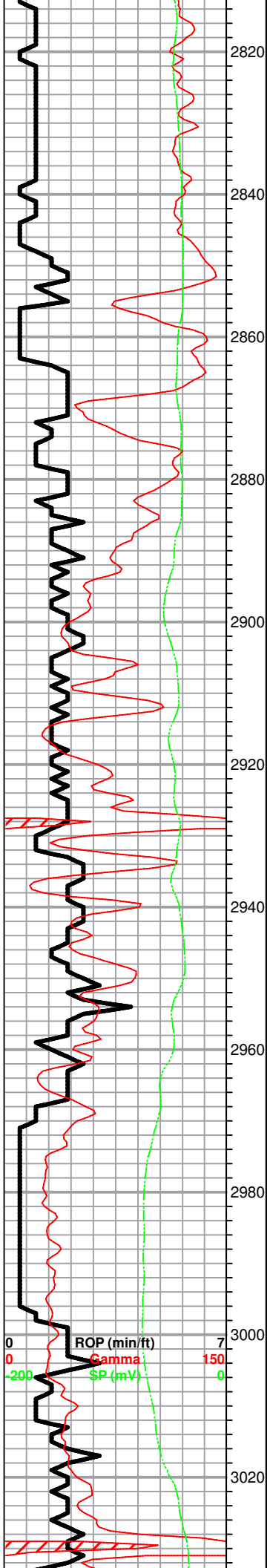
SOLD TO *Richlen Drilling*

ADDRESS

CITY, STATE, ZIP

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT
1. UN# 1823 SODIUM HYDROXIDE - SOLID 8 II EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 Customer Number: CCN657797	50#	10	Bag			
2. Mud-Co Gel	100#	155	Bag			
3. Salt Clay	50#		Bag			
4. Drill Starch	50#		Bag			
5. Lime	50#		Bag			
6. Cotton Seed Huls	50#	110	Bag			
7. Soda Ash	50#	12	Bag			
8. Lignite	50#	11	Bag			
9. Drill Pac	50#	4	Bag	Crcl.7		
10. Desco	25#	1	Bag			
11. Co-Poly L	5gal		BKT			
12. X-Cide 102W	5gal		BKT			
13. Mltguard	50#		Bag			
14. Flozan	25#		Bag			
15. Barite	100#		Bag			
16. Cedar Fiber	40#		Bag			
17. Multi Seal	40#		Bag			
18. SAPP	50#		Bag			
19.						
20.						
21.						
22.						

MATERIAL RECEIVED IN GOOD ORDER	TRANSPORTATION CHARGES			SUB TOTAL
	TRUCK #	MILEAGE	FROM	
DATE RECEIVED	⊙			SALES TAX
	⊙			
	⊙			TRANSPORTATION
PURCHASE AUTHORIZED BY	TOTAL TRANSPORTATION CHARGES			TOTAL



Sh, / Sd. a/a

LS, white, fxl, chalky, poor vis. porosity

Brown Lime 2865.0 (-1123.0)

LS, tan, fxl, slightly cherty, no shows

Sh, gryish green silty

Lansing 2885.0 (-1143.0)

LS, white, tan, fxl, few foss, poor vis. porosity, no shows

LS, tan, brown, gry, fxl, sightly cherty (dense)

Sh, gry/ greenish, tr. black carb Sh.
+ tr. gry boney chert

LS, gry, white, foss, few sub oom, chalky, (poorly developed porosity)

LS, a/a

LS, tan, oom, poorly developed oom porosity, (barren)

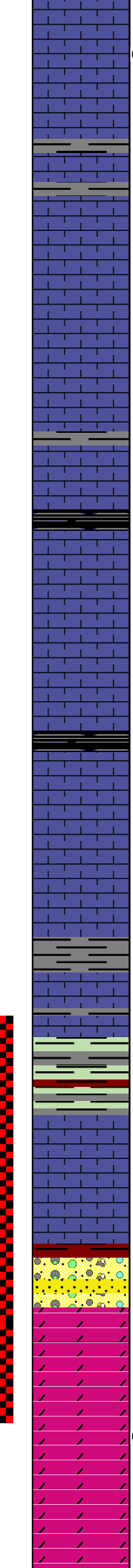
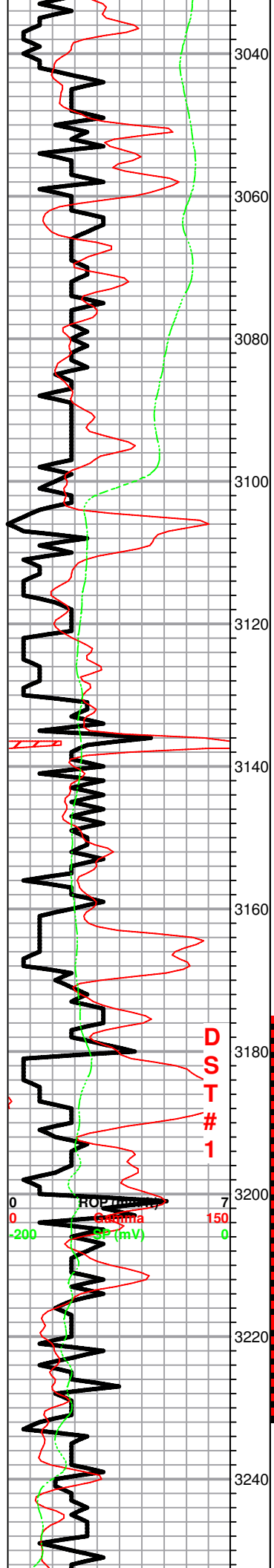
LS, a/a

LS, tan, white, sub oom, no shows

LS, tan, oom

Sh, black carb, sh.

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



3040 ○ LS, tan, oom, scattered oom porosity, tr. golden brown tr. fo, ft. odor
 3060 LS, tan, gry, fxl, slightly cherty, dense
 3080 a/a
 3100 LS, white, gry, ool, poor visl porosity, no shows
 3120 Sh, black carb
 3140 LS, gry, white, ool, scattered porosity, ditto
 3160 Sh, black carb
 3180 LS, white, gry, fxl, ool, chalky no shows
 3200 Sh, gry gryish green, maroon
 3220 LS, gry, white, chalky, dense
 3240 **BKC 3177.0 (-1435.0)**
 Sh, gry, green, maroon, - brick red
 LS, white/ gry, few foss , chalky, --> dense
 Sh, maroon brick red sh.
 tr. sd. white, qtz, sub rounded friable . no shows
Arbuckle 3216.0 (-1474.0)
 one (1) piece dol. white, cream, fxl, suc. poor vis. porosity
 Dol. white/ cream, suc. scattered porosity, tr. brn stain, sfo, ft. odor
 Dol. white, gry, fxl, poor vis. porosity, slightly chert, no shows

Poor Samples

DST#1 3175-3232
45-30-30-60

1st Open:
1/4" blow inc. to 4" in 4.5 mins.

2nd Open:
Weak Surface blow inc. to 5" in 60 min.

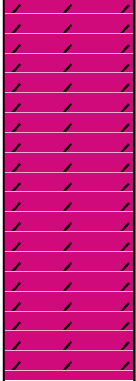
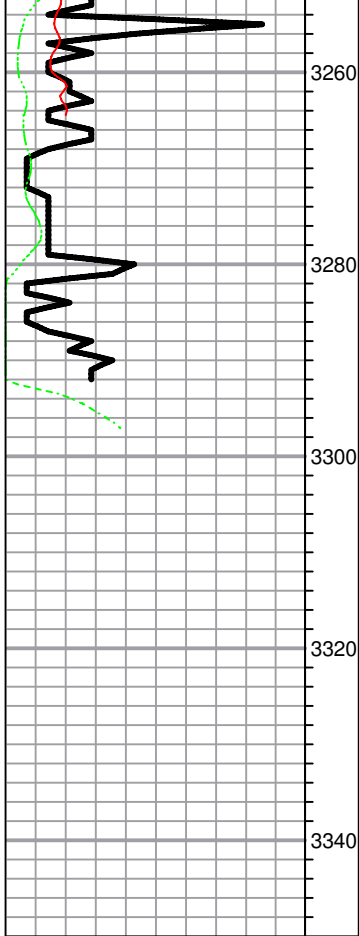
Recovery:
65' Clean Oil

60' OCM
(23%O, 77 %M)

Pressures:
 ISIP 943 psi
 FSIP 1013 psi
 IFP 14-37 psi
 FFP 40-60 psi
 HSH 1528-1518 psi

DST # 1





Dol. a/a no shows tr. pyrite

Dol. a/a no shows, + white chert

RTD 3292.0 (-1550.0)

LTD 3293.0 (-1551.0)

*** Poor samples throughout well**