



PRESSURE PUMPING LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

Zinc well

TICKET NUMBER 63282
FIELD TICKET REF # _____
LOCATION Thayer
FOREMAN Shott Bruster

**TREATMENT REPORT
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-13-17		Reed # 14	26	30S	16E	10W

CUSTOMER
McPherson Drilling

MAILING ADDRESS

CITY STATE ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
734	Josh		
745	John Wood		
478	Ryan		
582	Greg V		
7301221	Geoffrey		

WELL DATA

CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 7/8 20lb</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>210-17 (1)</u>	<u>Keokukville</u>
<u>775-805 (2)</u>	<u>Calloway</u>
<u>(32)</u>	

TYPE OF TREATMENT

Acid gel + frac

CHEMICALS

<u>Kalsurf</u>	<u>Acid</u>
<u>Proxide</u>	<u>Inhibitor</u>
<u>Proxide</u>	<u>Chemical</u>
<u>Alexand +</u>	<u>Iron control</u>

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
PAD	20	20				BREAKDOWN 1500
16-30		20	15.10	2000		START PRESSURE
12-25		20	15			END PRESSURE
12-20		20	2.0	1800		BALL OFF PRESS
2-12			2.0	1,500"		ROCK SALT PRESS
2-12			2.0	1,500"		ISIP 600
12-20 (7) + (5)			1.5			5 MIN
12-20 (2) H ₂ O = (1)			2.0	2000"		10 MIN
2-12 (16)			2.0	1,500"		15 MIN
2-12			2.0	1,500"		MIN RATE
FLUSH Casing						MAX RATE
Release ball + T.D.			TOTAL	7000"		DISPLACEMENT 4.8
OVER FLOW	10	20	VOID			
TOTAL BBL	175					

REMARKS:

Spotted 100 gal - 15% HCL acid on pad

Location 1:15 PM - 2:15 PM 15 miles

AUTHORIZATION Ryan Mc TITLE _____ DATE 10-13-17

Company **McPHERSON DRILLING**
Well **W REDD #14**

Field
County **WILSON** State **KANSAS**

Location: API #: 15-205-28385-00-00
Other Services

SEC 26 TWP 30S RGE 16E
Permanent Datum G.L. Elevation
Log Measured From G.L.
Drilling Measured From G.L.

Date 10-13-2017
Run Number 1-NEUWELL

Depth Logger 941.7'
Top Log Interval 575'
Bottom Logged Interval 941.7'

Fluid Level FULL
Type Fluid WATER

Production Casing 2 7/8" @ T.D. @
Max. Recorded Temp. @
Estimated Cement Top @
Calculated Cement Top @
Amount & Type Cement

Amount & Type Admix
Drilling Contractor COMPANY TOOLS
Equipment Number 107

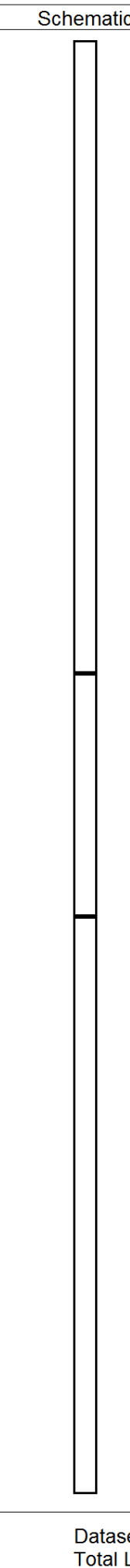
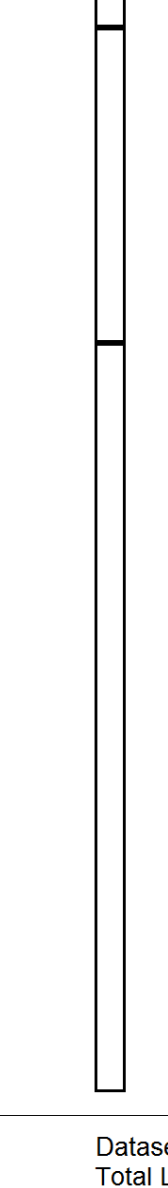
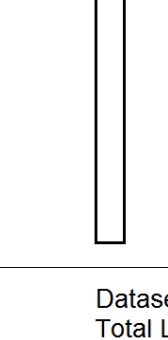
Location
Recorded By UDEN, D.
Witnessed By McPHERSON R.

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

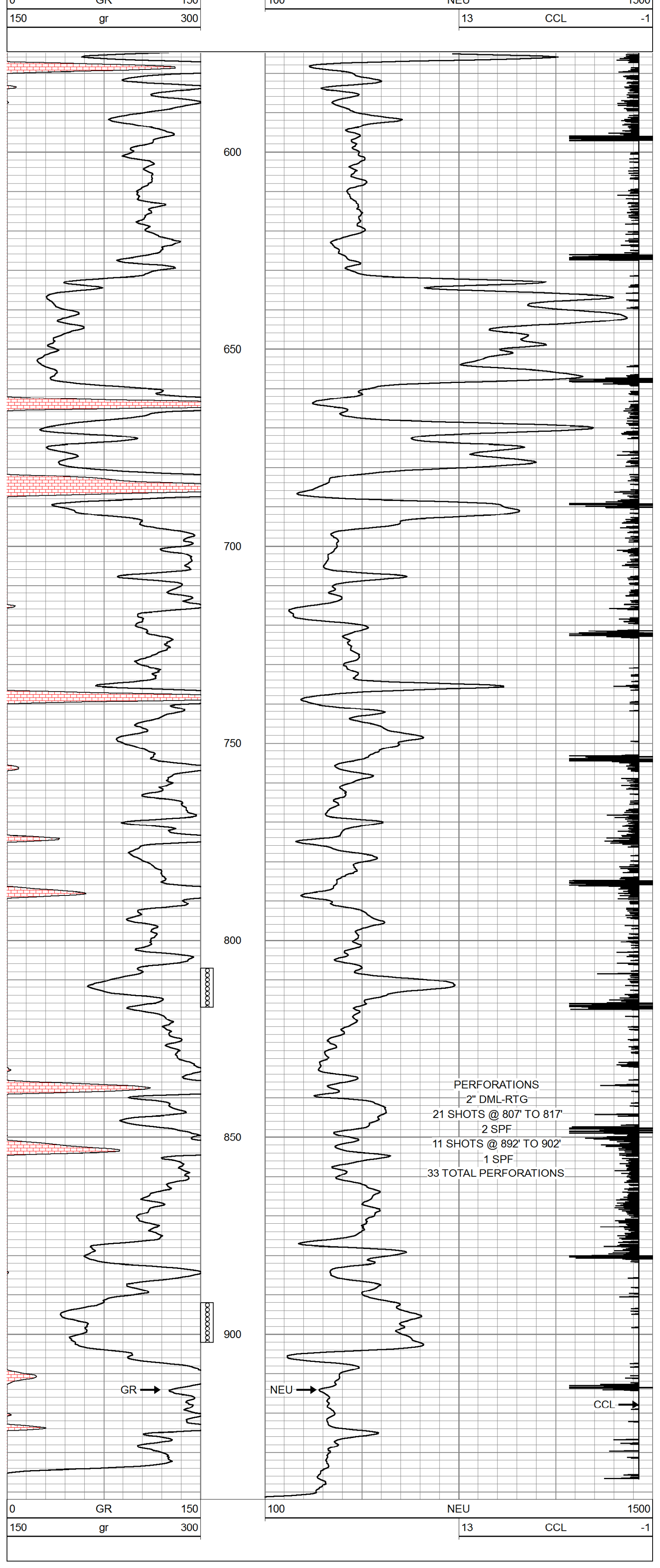
Comments

THANK YOU

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	7.59		GR-TITAN_169 (TIT169_001) Titan 1 11/16" Gamma Ray	4.75	1.69	20.00
CCL	5.05		CCL-TITAN_169 (TIT169) Titan 1 11/16" Logging CCL	1.83	1.69	7.50
NEU	0.63		NEU-TITAN_169 (TIT169_001) Titan 1 11/16" Neutron	4.33	1.69	20.00

Dataset: w redd #14.db: field/well/run1/pass1
Total Length: 10.92 ft
Total Weight: 47.50 lb
O.D.: 1.69 in

Database File: e:\w redd #14.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Fri Oct 13 10:32:05 2017 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240





REMIT TO
 QES Pressure Pumping LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

MAIN OFFICE
 P.O.Box884
 Chanute, KS 66720
 620/431-9210, 1-800/467-8676
 Fax 620/431-0012

Invoice

Invoice#

811446

Invoice Date: 10/06/17

Terms: Net 30

Page 1

McPHERSON DRILLING

P O BOX 129
 SYCAMORE KS 67363
 USA
 6203362662

WEST RED #14

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	50.000	750.00
CE0002	Equipment Mileage Charge - Heavy Equipment	55.000	7.1500	50.000	196.63
CE0711	Minimum Cement Delivery Charge	0.500	660.0000	50.000	165.00
CC5840	Poz-Blend I A (50:50)	95.000	13.5000	50.000	641.25
CC5965	Bentonite	360.000	0.3000	50.000	54.00
CC6079	PhenoSeal Formica Flakes	48.000	1.3500	50.000	32.40
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	50.000	22.50

Subtotal 3,723.55

Discounted Amount 1,861.78

SubTotal After Discount 1,861.77

Amount Due 3,821.07 If paid after 11/05/17

Tax: 48.76

Total: 1,910.54



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

9188
9081

TICKET NUMBER 53844

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

INVOICE # 811446

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/2/17	5337	West Red # 14	SE 26	30	16	WL
CUSTOMER McPherson Drilling			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS PO Box 129			729 / Cas Ken / Safety Meeting			
CITY STATE ZIP CODE Sycamore KS 67363			467 / Kei Carl			
			548 / Mik Haak			

JOB TYPE log string HOLE SIZE 5 1/8" HOLE DEPTH 960' CASING SIZE & WEIGHT 2 7/8" EUC
 CASING DEPTH 943' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 5.46 lbs DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200 # gel followed by 5 blts fresh water, mixed & pumped 95 sks Pozblend 1A cement w/ 2% gel, + 1/2 # Phenoseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 5.46 blts fresh water, pressured to 800 PSI, released pressure, shut in casing.

[Handwritten signature]

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	55 mi	MILEAGE	393.25	
CE0711	1/2 min	for mileage	330.00	
		trucks	2223.25	
		-50 %	1111.63	
		subtotal		1111.62
CC5840	95	Pozblend 1A cement	1282.50	
CC5965	360	Gel	108.00	
CC6079	48 #	Phenoseal	64.80	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	1500.30	
		-50 %	750.15	
		Subtotal		750.15
		6.5%	SALES TAX	48.76
			ESTIMATED TOTAL	1910.54
				(3821.07)

AUTHORIZATION McPherson TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



REMIT TO

QES Pressure Pumping LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884
 Chanute,KS 66720
 620/431-9210,1-800/467-8676
 Fax 620/431-0012

Invoice

Invoice# 811510

Invoice Date: 10/17/17

Terms: Net 30

Page 1

McPHERSON DRILLING

P O BOX 129
 SYCAMORE KS 67363
 USA
 6203382662

McPHERSON DRILLING- #15 &
 #14

Part No	Description	Quantity	Unit Price	Discount(%)	Total
FE0251	Combo Unit, 1,300 HHP 1st (4) Four Hours	2,000	3,500.0000	64.000	2,520.00
FE1136	Flatbed Truck, Misc. Delivery	2,000	400.0000	64.000	288.00
FE0133	Flex-Hose Fluid Spotting Unit	2,000	500.0000	64.000	360.00
FC5005	15% Uninhibited HCL Acid (22 Baume)	200,000	3.0000	64.000	216.00
FC5250	CIA-1 Corrosion Inhibitor <350° F	0.500	50.4500	64.000	9.08
FC5701	MaxSurf Plus (Surfactant/N.E./Remediation)	1,000	55.2500	64.000	19.89
FC5550	IC-1L, Iron Control (Acetic/Citric Blend)	1,000	31.5000	64.000	11.34
FC5302	CS-1 Clay Stabilizer (Cationic)	1,000	52.5000	64.000	18.90
FC6159W	City Water	12,000,000	0.0173	64.000	74.74
FC5450	WG-1, Guar Gelling Agent	250,000	7.1500	64.000	643.50
FC5300	KCL-Sub, KCl Substitutue	12,000	17.2500	64.000	74.52
FC5280	BIO-1 Powdered	4,000	35.0000	64.000	50.40
FC5486	B-11LE, Concentrated High pH/Low Temp. < 100° F, Enzyme Breaker	0.500	225.0000	64.000	40.50
FE1053	2" Valve	2,000	350.0000	64.000	252.00
FE1000	Manual Ball Injector	2,000	800.0000	64.000	432.00
FC5176A	7/8" 1.3 Sp.Gr.RCN Ball Sealers	24,000	2.5500	64.000	22.03
FE0754	25K Body Load Sand Dump	1,000	1,000.0000	64.000	360.00
FE0001	Equipment Mileage Charge - Light Equipment	15,000	3.0000	64.000	16.20
FE0002	Equipment Mileage Charge - Heavy Equipment	45,000	7.1500	64.000	115.83
WS2403	Water Transport (Frac Service)	6,000	120.0000	64.000	259.20
FP9003A	16/30 Brown Sand - Sack	300,000	0.3000	64.000	32.40
FP9004	12/20 Brown Sand	4,700,000	0.3000	64.000	507.60



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MAIN OFFICE

P.O.Box884
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 620/431-9210,1-800/467-8676
 Fax 620/431-0012

Invoice Invoice# 811510

Invoice Date: 10/17/17 Terms: Net 30 Page 2

McPHERSON DRILLING
 P O BOX 129
 SYCAMORE KS 67363
 USA
 6203362662

McPHERSON DRILLING- #15 &
 #14

Part No	Description	Quantity	Unit Price	Discount(%)	Total
FP9005	8/12 Brown Sand	5,000.000	0.3400	64.000	612.00
Subtotal					19,267.03
Discounted Amount					12,330.90
SubTotal After Discount					6,936.13
Amount Due 19,284.50 If paid after 11/16/17					
Tax:					6.29
Total:					6,942.42



TICKET NUMBER 53268

LOCATION Thayer

PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

715 + 714 FIELD TICKET

DATE	CUSTOMER ACCT #	WELL NAME	OTR/OTR	SECTION	TWP	RGE	COUNTY	FORMATION
10-13-17	5357	Redd		26	305	16E	WL	Bartholomew
CHARGE TO <u>McPherson Dring.</u>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY & STATE				CONTRACTOR				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT	
FE0251	2	PUMP CHARGE 135X Combo		7600 -	
FE1136	2	Iron truck		800.00	
FE0133	2	Acid spotter		1000.00	
FC5005	200	15% HCL acid		600 -	
FC5250	1/2	Inhibitor		25.23	
FC5701	1	Maxsurf +		55.25	
FC5550	1	Iron control		31.50 -	
FC5302	1	Clay stabilize		52.50 -	
FC6159W	12,000	Thayer City		209.66	
FC5450	250#	food gel		1787.50	
FC5300	12	Kelsub		207.00	
FC5280	4#	Biscycle		140 -	
FC5486	1/2 gal	Breaker		112.50 -	
FE1053	2	2" frac valve		700 -	
FE1000	2	Ball gun		1200 -	
FC5176A	24	1.35X 1/2" Ballscrews		61.20 -	
BLENDING & HANDLING					
FE0754	1	TON-MILES x 1 unit		1000 -	
FE0001	15	STAND BY TIME light truck		45.00	
FE0002	45	MILEAGE x 30 PSI		331.25	
WS2403	6 hrs	WATER TRANSPORTS - 2	750	960.00	
VACUUM TRUCKS					
FP9003A	3000#	FRAC SAND 16-20 bags		90.00	
FP9004	4,700#	12-20 Bulk		1410.00	
FP9005	5,000#	8-12 Bulk		1700.00	
				SALES TAX	17.47
					1954.60
					19284.50
					1942.42

ESTIMATED TOTAL 2342.08

CUSTOMER or AGENTS SIGNATURE

COWS FOREMAN Brett Busby

CUSTOMER or AGENT (PLEASE PRINT)

DATE 10-13-17

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records at our office, and conditions of services on the back of this form are in effect for services identified on this form.

44-09-333



PRESSURE PUMPING LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

1st well

TICKET NUMBER 63281
FIELD TICKET REF # 53268
LOCATION Thayer
FOREMAN Shott Burby

TREATMENT REPORT FRAC & ACID

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-13-17	5337	Redd # 15	26	305	18E	WL

CUSTOMER Moppherson Dring		
MAILING ADDRESS		
CITY	STATE	ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
754	Josh		
745	John Wade - Cushing		
478	Ryan		
582	Gary		
735-921	George		
50195	Domnie - Cushing		

WELL DATA	
CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 7/8 EUE</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>8 1/2 - 22 (21)</u>	<u>Bartlesville</u>

TYPE OF TREATMENT
<u>Acid spot + frac</u>

CHEMICALS	
<u>Kelsub</u>	<u>Acid</u>
<u>Bincide</u>	<u>Inhibitor</u>
<u>Breaker</u>	<u>Clay control</u>
<u>Maxsurf +</u>	<u>Temp control</u>

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI
PAD	20	20			BREAKDOWN 2000
76-30		20	5-10	1000#	START PRESSURE
12-20		20	1.5	900#	END PRESSURE
12-20		20	2.0		BALL OFF PRESS
8-12			2.0		ROCK SALT PRESS
8-12			2.0	1,000#	ISIP 550
12-20 (5)+(2)			1.5		5 MIN
12-20 + (2) = (4) balls			1.5	1,000#	10 MIN
8-12 (1)			2.0		15 MIN
8-12 (1)		20	2.0	1,000#	MIN RATE
FLUSH CASING 5		20			MAX RATE
Release balls to T.D.			TOTAL	4,000#	DISPLACEMENT 4.8
OVERFLUSH 10		20	SAND		
TOTAL BBL'S 115					

REMARKS:
Spotted 100 gal - 10% HCL acid on perfs

Location: 12:00 PM - 1:00 PM 15 miles

AUTHORIZATION [Signature] TITLE _____ DATE 10-13-17

Terms and Conditions are printed on reverse side.



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

2nd well

TICKET NUMBER 63282
FIELD TICKET REF # 53268
LOCATION Hayes
FOREMAN Robert Bushby

**TREATMENT REPORT
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-13-17		Reed 9 14	26	305	16E	WL

CUSTOMER <u>McPherson Drilling</u>		
MAILING ADDRESS		
CITY	STATE	ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
754	Josh		
743	John Wade		
478	Ryan		
582	Gary		
7357241	Rentage		

WELL DATA	
CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 1/2 28LBS</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>210-17 (11)</u>	<u>Bartlesville</u>
<u>295-805 (2)</u>	<u>Chillemian</u>

TYPE OF TREATMENT
<u>Acid spot + frac</u>

CHEMICALS	
<u>Kalsub</u>	<u>Acid</u>
<u>Bioside</u>	<u>Inhibitor</u>
<u>Packer</u>	<u>Clay control</u>
<u>Plexsurf +</u>	<u>Iron control</u>

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI
<u>PAD</u>	<u>20</u>	<u>20</u>			<u>BREAKDOWN 1500</u>
<u>16-30</u>		<u>20</u>	<u>1.5/1.0</u>	<u>200</u>	<u>START PRESSURE</u>
<u>12-20</u>		<u>20</u>	<u>1.3</u>		<u>END PRESSURE</u>
<u>12-20</u>		<u>20</u>	<u>2.0</u>	<u>1800</u>	<u>BALL OFF PRESS</u>
<u>8-12</u>			<u>2.0</u>	<u>1,500#</u>	<u>ROCK SALT PRESS</u>
<u>2-12</u>			<u>1.5</u>		<u>ISIP 600</u>
<u>12-20 (7) + (5)</u>			<u>2.0</u>		<u>5 MIN</u>
<u>12-20 (2) (1) (1)</u>			<u>2.0</u>	<u>4,000#</u>	<u>10 MIN</u>
<u>2-12 (2) (1) (1)</u>			<u>2.0</u>	<u>1,500#</u>	<u>15 MIN</u>
<u>2-12 (16)</u>			<u>2.0</u>		<u>MIN RATE</u>
<u>FLUSH Casing</u>	<u>5</u>				<u>MAX RATE</u>
<u>Release balls to T.D.</u>			<u>TOTAL</u>	<u>6,000#</u>	<u>DISPLACEMENT 4.8</u>
<u>OVERFLUSH</u>	<u>10</u>	<u>20</u>	<u>SAND</u>		
<u>TOTAL BBL'S</u>	<u>175</u>				

REMARKS:
Spotted 100 gal -15% HCL acid on pads

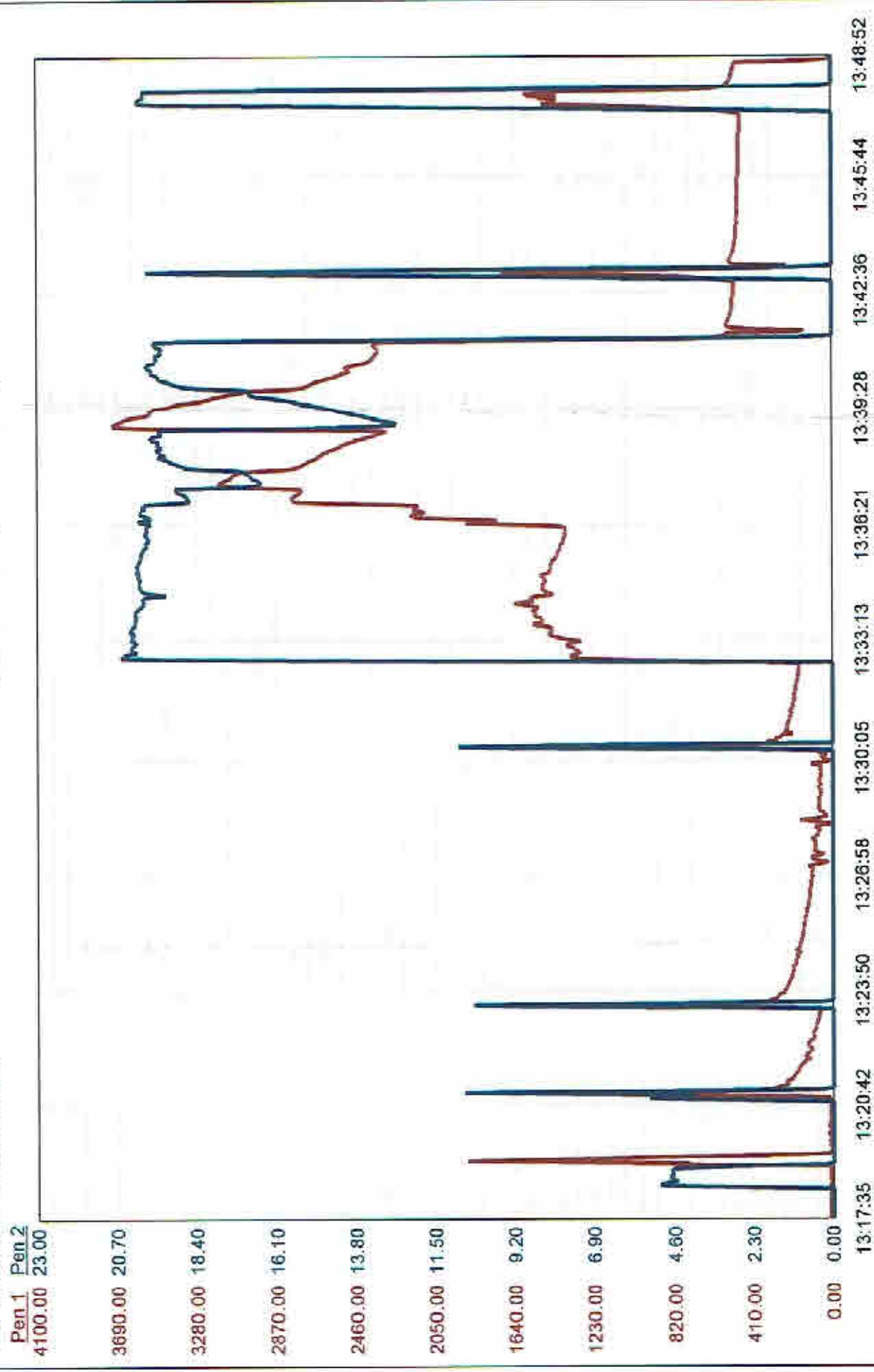
Location 1:15 PM - 2:15 PM 15 miles

AUTHORIZATION Road Mc TITLE _____ DATE 10-13-17



SERVICE COMPANY: Q.E.S. DATE RECORDED: 10/13/2017
 TICKET NO: 63282 JOB NO: 1
 CUSTOMER NAME: MCPHERSON DRUNG UNIT DESCRIPTION: BARTLESVILLE SS
 WELL NAME: REDD 14 UNIT NOTES: ACIDSPOT + FRAC
 WELL LOCATION: SEC 26-30S-16E WL. CO. MCPHERSON DRUNG_REDD 14_17_10_13_#1.csv
 FILE NAME:

Pen 1: Pressure (Pressure : psi) Pen 2: Flowrate (Flowrate : bpm)





SERVICE COMPANY: Q.E.S.
 TICKET NO: 63281
 CUSTOMER NAME: MCPHERSON DRLNG
 WELL NAME: REDD 15
 WELL LOCATION: SEC 26-30S-16E WL. CO.
 DATE RECORDED: 10/13/2017
 JOB NO: 1
 UNIT DESCRIPTION: BARTLESVILLE SS
 UNIT NOTES: ACIDSPOT + FRAC
 FILE NAME: MCPHERSON DRLNG_REDD 15_17_10_13_#1.csv

Pen 1: Pressure (Pressure : psi)

Pen 1 Pen 2

3000.00 24.00

2700.00 21.60

2400.00 19.20

2100.00 16.80

1800.00 14.40

1500.00 12.00

1200.00 9.60

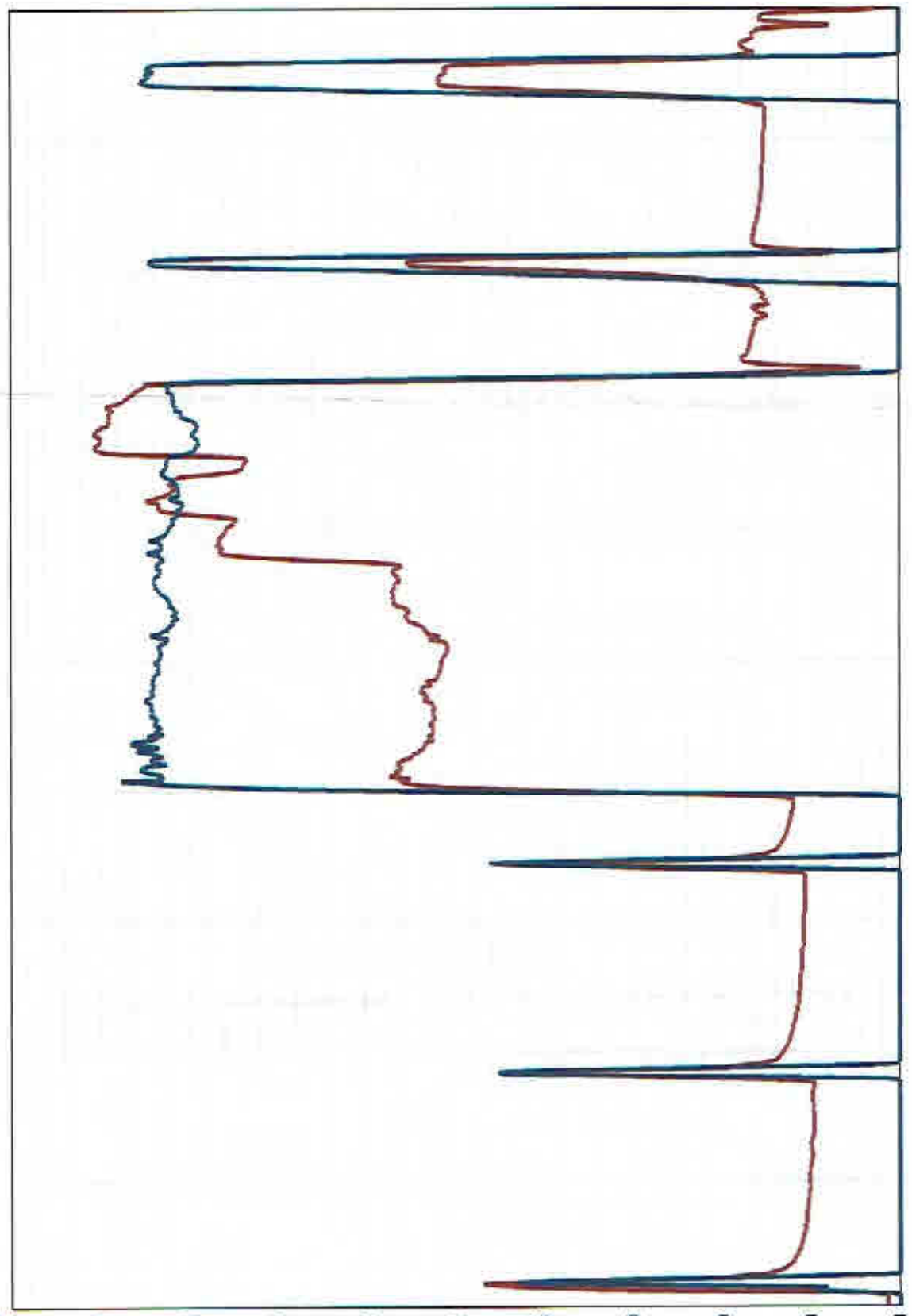
900.00 7.20

600.00 4.80

300.00 2.40

0.00 0.00

Pen 2: Flowrate (Flowrate : bpm)



12:30:46 12:32:20 12:33:54 12:35:29 12:37:03 12:38:38 12:40:12 12:41:46 12:43:21 12:44:55 12:46:30