

Leis Oil Services, LLC

1410 150th Rd
Yates Center, KS 66783

Invoice

Date	Invoice #
9/1/2014	1035

Bill To
Piqua Petro, Inc. 1331 Xylan Rd Piqua, KS 66761

P.O. No.	Terms	Project
	Due on receipt	

Quantity	Description	Rate	Amount
894	DRILLING--BRUENGER 4-14	6.25	5,587.50
1	PORTABLE PIT	150.00	150.00
8	CEMENT FOR SURFACE	11.60	92.80
892	DRILLING--BRUENGER 5-14	6.25	5,575.00
1	PORTABLE PIT	150.00	150.00
8	CEMENT FOR SURFACE	11.60	92.80
882	DRILLING--BRUENGER 6-14	6.25	5,512.50
1	PORTABLE PIT	150.00	150.00
8	CEMENT FOR SURFACE	11.60	92.80
866	DRILLING--BRUENGER 7-14	6.25	5,412.50
1	PORTABLE PIT	150.00	150.00
8	CEMENT FOR SURFACE	11.60	92.80
874	DRILLING--SHANNON 19-14	6.25	5,462.50
1	PORTABLE PIT	150.00	150.00
8	CEMENT FOR SURFACE	11.60	92.80
1,278	DRILLING-- WOODS ELLIS 24-14	6.25	7,987.50
1	MISSISSIPPI BIT CHARGE	600.00	600.00
1	DUG DRILL PIT	100.00	100.00
0	CONSOLIDATED CEMENTED SURFACE	11.60	0.00
1,271	DRILLING--WOODS ELLIS 25 -14 (25-14)	6.25	7,943.75
1	MISSISSIPPI BIT CHARGE	600.00	600.00
1	PORTABLE PIT	150.00	150.00
0	CONSOLIDATED CEMENTED SURFACE	11.60	0.00
Total			\$46,145.25



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 270470

Invoice Date: 08/22/2014 Terms: 0/30/10,n/30

Page 1

LAIR, GREG
DBA: PIQUA PETRO INC
1331 XYLAN ROAD
PIQUA KS 66761
(620)468-2681

SHANNON #19-14
45976
08/19/2014
KS

Part Number	Description	Qty	Unit Price	Total
1123	CITY WATER	2500.00	.0173	43.25
1118B	PREMIUM GEL / BENTONITE	450.00	.2200	99.00
1107A	PHENOSEAL (M) 40# BAG)	120.00	1.3500	162.00
1110A	KOL SEAL (50# BAG)	550.00	.4600	253.00
1102	CALCIUM CHLORIDE (50#)	50.00	.7800	39.00
1131	60/40 POZ MIX	110.00	13.1800	1449.80
4402	2 1/2" RUBBER PLUG	2.00	29.5000	59.00
				Total

Sublet Performed 9996-170 Description CEMENT MATERIAL DISCOUNT -600.84

	Description	Hours	Unit Price	Total
485	CEMENT PUMP	1.00	1085.00	1085.00
637	MIN. BULK DELIVERY	1.00	368.00	368.00
640	80 BBL VACUUM TRUCK	2.00	90.00	180.00

Amount Due 3893.84 if paid after 09/01/2014

Parts:	2105.05	Freight:	.00	Tax:	111.33	AR	3248.54
Labor:	.00	Misc:	.00	Total:	3248.54	5% disc	162.43
Sublt:	-600.84	Supplies:	.00	Change:	.00		3086.11

Signed _____

Date _____

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650



LEIS OIL SERVICES



Scanned

1410 150th Rd. • Yates Center, Kansas 66783 • (620) 212-0752

Operator License #: 30345	API #: 15-001-31126-00-00
Operator: Piqua Petro, Inc.	Lease: Shannon
Address: 1331 Xylan Rd, Piqua, KS 66761	Well #: 19-14
Phone: (620) 433-0099	Spud Date: 8-15-14 Completed: 8-18-14
Contractor License: 34036	Location: NW/NW/SE/NW of 14-25-17E
T.D. : 874 T.D. of Pipe: 870 Size: 2.875"	3800 Feet From South
Surface Pipe Size: 7" Depth: 22'	3800 Feet From East
Kind of Well: Oil	County: Allen

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
5	Soil /Clay/Lime	0	5	4	Lime	779	783
136	Shale	5	141	25	Shale	783	808
10	Lime	141	151	1	Lime Streak	808	809
3	Shale	151	154	1	Oil Sand	809	810
4	Lime	154	158	1	Lime Streak	810	811
17	Shale	158	175	16	Oil Sand	811	827
47	Lime	175	222	47	Shale	827	874
70	Shale	222	292				
75	Lime	292	367				
5	Shale/Black Shale	367	372				
29	Lime	372	401				
3	Black Shale	401	404				
33	Lime	404	437				
159	Shale	437	596				
3	Lime	596	599		T.D. of Pipe		870
18	Shale	599	617		T.D.		874
8	Lime	617	625				
65	Shale	625	690				
5	Lime	690	695				
4	Shale	695	699				
19	Lime	699	718				
5	Shale	718	723				
4	Lime	723	727				
2	Black Shale	727	729				
24	Shale	729	753				
18	Lime	753	771				
3	Shale	771	774				
3	Black Shale	774	777				
2	Shale	777	779				



CONSOLIDATED
Oil Well Services, LLC

O Box 884, Chanute, KS 66720
20-431-9210 or 800-467-8676

1st Time Well

TICKET NUMBER 59513
FIELD TICKET REF # 5077
LOCATION Thayer
FOREMAN Brett Busby

**TREATMENT REPORT
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-9-14	11140	Shannon 19-14	14	25S	17E	WS
CUSTOMER		* Safety meeting attendees				
MAILING ADDRESS						
CITY						
STATE						
ZIP CODE						

TRUCK #	DRIVER	TRUCK #	DRIVER
476	Josh	679T102	Junior
490	Josiah		
482	Donnie		
521	Eric		
547	Colby		
618T95	Joe		

WELL DATA

CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 7/8 8E4E</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
808-826 (38) Squirrel	

TYPE OF TREATMENT
Acid spot + frac w/acid OTF

CHEMICALS
Kewsub Biocide - Breaker
Acid - Inhibitor - StimOil

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI
PAD	20	20			BREAKDOWN 1800
16-30		20	1.5-1.0	500#	START PRESSURE
12-20		20	1.0		END PRESSURE
12-20		20	2.0	3000#	BALL OFF PRESS
12-20 (8)(7)+(5)			1.5-1.0		ROCK SALT PRESS
12-20			1.0		ISIP 550
12-20			2.0	2,500#	5 MIN
12-20 (6)+(4)			1.5		10 MIN
12-20 (40)			1.0		15 MIN
12-20		20	2.0	2,000#	MIN RATE
FLASH CASING	5	20			MAX RATE
Release balls to T.D.			TOTAL	2,000#	DISPLACEMENT 4.8
OVERFLUSH	10	20	SAND		
TOTAL BBL'S	220				

REMARKS: * hold safety-procedure meeting before frac
Spotted 75 gal - 15% HCL acid on perfs
Blended 100 gal - Raw HCL acid - OTF

Location 9:30 AM - 10:10 AM 40 miles

AUTHORIZATION customer busy TITLE _____ DATE 9-9-14

Terms and Conditions are printed on reverse side.