

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
		<b>Total</b>	\$46,145.25



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
P. INV  
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 # 270139

Invoice Date: 08/15/2014 Terms: 0/30/10,n/30

Page 1

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

BRUENTER 4-14  
5220000918  
08/06/2014  
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	105.00	13.1800	1383.90
1118B	PREMIUM GEL / BENTONITE	350.00	.2200	77.00
1107A	PHENOSEAL (M) 40# BAG)	100.00	1.3500	135.00
1110A	KOL SEAL (50# BAG)	525.00	.4600	241.50
1102	CALCIUM CHLORIDE (50#)	100.00	.7800	78.00
1118B	PREMIUM GEL / BENTONITE	200.00	.2200	44.00
1123	CITY WATER	3000.00	.0173	51.90
4402	2 1/2" RUBBER PLUG	2.00	29.5000	59.00

Sublet Performed	Description	Total
9996-170	CEMENT MATERIAL DISCOUNT	-587.82

Description	Hours	Unit Price	Total
445 CEMENT PUMP	1.00	1085.00	1085.00
445 EQUIPMENT MILEAGE (ONE WAY)	45.00	4.20	189.00
637 80 BBL VACUUM TRUCK (CEMENT)	3.00	90.00	270.00
667 MIN. BULK DELIVERY	1.00	368.00	368.00

Amount Due 4135.51 if paid after 08/25/2014

Parts:	2070.30	Freight:	.00	Tax:	109.71	AR	3504.19
Labor:	.00	Misc:	.00	Total:	3504.19	5% disc	175.21
Sublt:	-587.82	Supplies:	.00	Change:	.00		3328.98

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

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



<b>Operator License #:</b> 30345	<b>API #:</b> 15-001-31134-00-00
<b>Operator:</b> Piqua Petro, Inc.	<b>Lease:</b> Bruenger
<b>Address:</b> 1331 Xylan Rd, Piqua, KS 66761	<b>Well #:</b> 4-14
<b>Phone:</b> (620) 433-0099	<b>Spud Date:</b> 8-5-14 <b>Completed:</b> 8-6-14
<b>Contractor License:</b> 34036	<b>Location:</b> SW/NE/SW/NE of 14-25-17E
<b>T.D. :</b> 894 <b>T.D. of Pipe:</b> 888 <b>Size:</b> 2.875"	3470 <b>Feet From</b> South
<b>Surface Pipe Size:</b> 7" <b>Depth:</b> 22'	1970 <b>Feet From</b> East
<b>Kind of Well:</b> Oil	<b>County:</b> Allen

## LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
1	Soil	0	1	7	Lime	800	807
20	Lime	1	21	20	Shale	807	827
138	Shale	21	159	1	Lime	827	828
9	Lime	159	168	2	Oil Sand	828	830
6	Shale	168	174	1	Lime	830	831
59	Lime	174	233	9	Oil Sand	831	840
86	Shale	233	319	54	Sandy Shale	840	894
46	Lime	319	365				
12	Shale	365	377				
12	Lime	377	389				
8	Shale/Black Shale	389	397				
26	Lime	397	423				
4	Black Shale	423	427				
30	Lime	427	457				
158	Shale	457	615		T.D. of Pipe		888
2	Lime	615	617		T.D.		894
24	Shale	617	641				
10	Lime	641	651				
61	Shale	651	712				
4	Lime	712	716				
8	Shale	716	724				
14	Lime	724	738				
7	Shale	738	745				
4	Lime	745	749				
24	Shale	749	773				
16	Lime	773	789				
4	Shale	789	793				
4	Black Shale	793	797				
3	Shale	797	800				



**CONSOLIDATED**  
Oil Well Services, LLC

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

41<sup>th</sup> well

TICKET NUMBER 59516  
FIELD TICKET REF # 50078  
LOCATION Thayer  
FOREMAN Brett Busby

**TREATMENT REPORT  
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-9-14		Bruenger #14	14	25S	17E	W0
CUSTOMER Piqua Petroleum Inc						
MAILING ADDRESS						
CITY		STATE	ZIP CODE			

TRUCK #	DRIVER	TRUCK #	DRIVER
476	Josh	735T91	
490	Josiah		
458	Tim		
521	Eric		
547	Colby		
618T95	Joe		

**WELL DATA**

CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE 2 7/8 EUF	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
822-44? (24) Squirrel	

**TYPE OF TREATMENT**  
Acid spot + frac w/acid - off

**CHEMICALS**  
Biocide - Breaker  
Acid-Inhibitor - StimOil

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI
PAD	20	20			BREAKDOWN 2050
16-30		20	1.5-1.0	500#	START PRESSURE
12-20		20	1.0		END PRESSURE
12-20			1.5	3,000#	BALL OFF PRESS
12-20 (5) + (2)			1.5		ROCK SALT PRESS
12-20			1.0		ISIP 650
12-20		20	2.0	2,000#	5 MIN
12-20 (3) + (1) + (1)		18	1.5		10 MIN
12-20 + (1) = (3)		15	1.0		15 MIN
12-20		15	2.0	1,500#	MIN RATE
FLUSH CASING 5		15			MAX RATE
Release balls to T.D.			TOTAL	7,000#	DISPLACEMENT 4.8
OVER FLUSH 10		20	SAND		
TOTAL BBL'S 230					

REMARKS:  
Spotted 75 gal -15% HCL acid on perfs loaded (25)  
Blended 150 gal - raw HCL acid - off Bio balls for job  
Location 12:45 PM - 1:43 PM 40 miles

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 9-9-14

Terms and Conditions are printed on reverse side.