



LEIS OIL SERVICES

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



Operator License #: 30345	API #: 15-001-31142-00-00
Operator: Piqua Petro, Inc.	Lease: Bruenger
Address: 1331 Xylan Rd, Piqua, KS 66761	Well #: 7-14
Phone: (620) 433-0099	Spud Date: 8-13-14 Completed: 8-14-14
Contractor License: 34036	Location: NW/SW/SE/SE of 14-25-17E
T.D. : 866 T.D. of Pipe: 863 Size: 2.875"	500 Feet From South
Surface Pipe Size: 7" Depth: 22'	1155 Feet From East
Kind of Well: Oil	County: Allen

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
5	Soil	0	5	4	Lime	768	772
26	Clay	5	31	29	Shale	772	801
71	Shale	31	102	1	Lime Streak	801	802
18	Lime	102	120	1	Shale	802	803
21	Shale	120	141	1	Lime Streak	803	804
58	Lime	141	199	12	Oil Sand	804	816
31	Shale	199	230	50	Shale	816	866
8	Lime	230	238				
52	Shale	238	290				
64	Lime	290	354				
5	Shale/Black Shale	354	359				
27	Lime	359	386				
3	Black Shale	386	389				
30	Lime	389	419				
183	Shale	419	600		T.D. of Pipe		863
11	Lime	600	611		T.D.		866
76	Shale	611	687				
3	Lime	687	690				
5	Shale	690	695				
5	Lime	695	700				
5	Shale	700	705				
5	Lime	705	710				
4	Shale	710	714				
5	Lime	714	719				
25	Shale	719	744				
15	Lime	744	759				
4	Shale	759	763				
3	Black Shale	763	766				
2	Shale	766	768				

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 24 -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 # 270377

Invoice Date: 08/20/2014 Terms: 0/30/10,n/30 Page 1

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

BRUENGER #7
5220000927
08/15/2014
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
611 MIN. BULK DELIVERY	1.00	368.00	368.00
637 80 BBL VACUUM TRUCK (CEMENT)	3.00	90.00	270.00

Amount Due 4135.51 if paid after 08/30/2014

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 _____

Handwritten: FEB 29 14 # 31102

ARTLESVILLE, 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



CONSOLIDATED
Oil Well Services, LLC

6th well

TICKET NUMBER 59518
FIELD TICKET REF # 50078
LOCATION Thayer
FOREMAN Brett Busby

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

**TREATMENT REPORT
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-9-14		Bruenger 7-14				WO

CUSTOMER Pigua Petroleum Inc.		
MAILING ADDRESS		
CITY	STATE	ZIP CODE

WELL DATA	
CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 7/8 DEUK</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>802-22 (42)</u>	<u>Squirrel</u>

TRUCK #	DRIVER	TRUCK #	DRIVER
476	Josh	6797/02	Junior
490	Josiah		
458	Tim		
521	Eric		
547	Colby		
618795	Joe		

TYPE OF TREATMENT	
<u>Acid spot + frac w/acid STF</u>	
CHEMICALS	
<u>Biocide - Breaker</u>	
<u>Acid-Inhibitor - Stimol</u>	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI
PAD	20	20			BREAKDOWN 2400
16-30		20	1.5-1.0	500#	START PRESSURE
12-20		20	1.0-2.0	3,000#	END PRESSURE
12-20 (10) * (8) + (3)		↓	1.5-1.0		BALL OFF PRESS
12-20		↓	1.0		ROCK SALT PRESS
12-20		20	2.0	2,000#	ISIP 600
12-20 (7) + (5)		18	1.5		5 MIN
12-20 + (3) + (8)		15	1.0-2.0	1,500#	10 MIN
12-20 + (1)		15	2.0		15 MIN
12-20		15	2.0	1,000#	MIN RATE
FLUSH CASING	5	15			MAX RATE
Release balls to T.D.			TOTAL	8,000#	DISPLACEMENT 4.7
OVERFLUSH	10	20	SAND		
TOTAL BBL'S	260				

REMARKS:
Spotted 75 gal - 15% HCL acid on perfs * loaded (40)
Blend 100 gal raw HCL acid - STF Bioballs for job

Location 2:45 PM - 3:30 PM : miles

AUTHORIZATION customer left site Bib. TITLE _____ DATE 9-9-14

Terms and Conditions are printed on reverse side.