



LEIS OIL SERVICES

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



Operator License #: 30345		API #: 15-207-28645-00-00	
Operator: Piqua Petro Inc.		Lease: Light	
Address: 1331 Xylan Rd Piqua, KS 66761		Well #: 10-13	
Phone: (620) 433-0099		Spud Date: 12-17-13 Completed: 12-18-13	
Contractor License: 34036		Location: NW-SE-SE-NE of 1-24S-14E	
T.D. : 1282	T.D. of Pipe: 1277	3105	Feet From South
Surface Pipe Size: 7"	Depth: 40'	630	Feet From East
Kind of Well: Oil		County: Woodson	

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
12	Soil	0	12	27	Lime	817	844
12	Lime	12	24	147	Shale	844	991
28	Shale	24	52	3	Lime	991	994
14	Lime	52	66	22	Shale	994	1016
18	Shale	66	84	9	Lime	1016	1025
13	Lime	84	97	69	Shale	1025	1093
108	Shale	97	205	5	Lime	1093	1098
4	Lime	205	209	17	Shale	1098	1115
6	Shale	209	215	4	Lime	1115	1119
5	Lime	215	220	2	Black Shale	1119	1121
163	Shale	220	383	11	Shale	1121	1132
18	Lime	383	401	5	Lime	1132	1137
12	Shale	401	413	15	Shale	1137	1152
19	Lime	413	432	2	Lime	1152	1154
4	Shale	432	436	6	Shale	1154	1160
21	Lime	436	457	2	Black Shale	1160	1162
5	Shale	457	462	2	Lime	1162	1164
119	Lime	462	581	5	Shale	1164	1169
17	Shale	581	598	10	Oil Sand	1169	1179
66	Lime	598	664	32	Sandy Shale	1179	1211
22	Shale	664	686	1	Lime	1211	1212
4	Lime	686	690	3	Shale	1212	1215
26	Shale	690	716	2	Lime	1215	1217
6	Lime	716	722	8	Oil Sand	1217	1225
44	Shale	722	766	57	Shale	1225	1282
20	Lime	766	786				
8	Shale/Black Shale	786	794				
20	Lime	794	814				
3	Black Shale	814	817				

Invoice



Leis Oil Services, LLC
 1410 150th Rd
 Yates Center, KS 66783

Date	Invoice #
1/21/2014	1019

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

P.O. No.	Terms	Project
	Due on receipt	

Quantity	Description	Rate	Amount
		6.25	6,756.25
1,081	Wingrave 72-13	100.00	100.00
1	Drill Pit	11.60	116.00
10	Cement for Surface	45.00	90.00
2	Clearing trees for locations 72 and 77	6.25	6,762.50
1,082	Wingrave 76-13	100.00	100.00
1	Drill Pit	11.60	116.00
10	Cement for Surface	6.25	6,687.50
1,070	Wingrave 77-13	100.00	100.00
1	Drill Pit	11.60	116.00
10	Cement for Surface	6.25	7,700.00
1,232	Conger 3-13	100.00	100.00
1	Drill Pit	11.60	116.00
10	Cement for Surface	6.25	7,981.25
1,277	Light 6-13	100.00	100.00
1	Drill Pit	11.60	116.00
10	Cement for Surface	45.00	45.00
1	Made crossing across slough to get to location.	6.25	8,012.50
1,282	Light 10-13	100.00	100.00
1	Drill Pit	11.60	116.00
10	Cement for Surface	6.25	7,837.50
1,254	Woods Ellis 21-13	600.00	600.00
1	Bit charge for Mississippi	100.00	100.00
1	Drill Pit	11.60	92.80
8	Cement for Surface	6.25	7,762.50
1,242	Woods Ellis 23-13	100.00	100.00
1	Drill Pit	600.00	600.00
1	Bit Charge for Mississippi	65.00	65.00
1	Pulled Consolidated around the Wingrave and smoothed ruts after 76-13.		



CONSOLIDATED
Oil Well Services, LLC

264935

TICKET NUMBER 45812

LOCATION Eureka

FOREMAN Soren Mead

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/19/13	4950	Light #10-13				Woodson
CUSTOMER Pigua Petroleum			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 1331 Xylan Rd			485	Alan		
CITY Pigua			671	Joey		
STATE KS			637	Jim		
ZIP CODE						

JOB TYPE _____ HOLE SIZE _____ HOLE DEPTH 1282' CASING SIZE & WEIGHT _____
 CASING DEPTH 1277 DRILL PIPE _____ TUBING 2 3/8 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 740 bbls DISPLACEMENT PSI 700+ MIX PSI Bump Plug 1200 RATE _____

REMARKS: Safety Meeting. Rig up to 2 3/8 Tubing. Break Circulation w/ 1 bbls Fresh Water. Mix 300# Gel Flush & 5 bbl water spacer. Mix 160 sks 60/40 Perm Cement w/ 5# Kal-Seal, 4% Gel, 1% CaCl2. Shutdown Washout pump & lines. Loaded 2 plugs in tubing. Displace w/ 240 bbls Fresh Water. Final Pumping Pressure 700+ Bump Plug to 1200#. Shut well in 500#. Good cement Returns to surface 7 bbl to pit.
 Job Complete Rig down

Thank You

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00
5406	40	MILEAGE	4.20	168.00
1131	160 sks	60/40 Perm Cement	13.78	2108.80
1110A	800#	Kal-Seal 5# per/sk	.46	368.00
1118B	550#	Gel 4%	.22	121.00
1102	175#	CaCl2 1%	.78	105.30
1118B	300#	Gel Flush	.22	66.00
5407	6.89	Ten mileage Bulkruck	1.41	388.03
5502c	3hrs	50 bbl vacuum Truck	90.00	270.00
1123	2500 gallons	CITY Water	17.30/1000	43.25
4402	2	2 3/8 Rubber Plug	29.50	59.00
		<input checked="" type="checkbox"/> completed	Sub Total	4782.38
		7.15%	SALES TAX	205.30
			ESTIMATED TOTAL	4987.68

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____
 I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 57563
FIELD TICKET REF # 48939
LOCATION Thayer
FOREMAN Boett Budry

**TREATMENT REPORT
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-2-14	4950	Light #10-13				WO

CUSTOMER
Piqua Petroleum Inc

MAILING ADDRESS

CITY STATE ZIP CODE

* Safety meeting attendees

TRUCK #	DRIVER	TRUCK #	DRIVER
476	Josh	679T102	Junior
490	Donnie	680T221	Stan
478	Mark		
582	Matt		
424	Eric		
618T95	Joe		

WELL DATA

CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 7/8 8EMU</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>1171-81 (21)</u>	<u>Squicrel</u>
<u>1184-94 (21)</u>	
<u>1216.5-26.5 (21)</u>	

TYPE OF TREATMENT
Acid spot + Frac w/acid OTF

CHEMICALS
Kalsub-Bigicide-Breaker
Acid-Inhibitor-StimOil

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
PAD	25	20			1250	BREAKDOWN 1225
16-30		20		500 #	1300	START PRESSURE
12-20 (5)	drop balls	20		1,500 #		END PRESSURE
12-20 (5) (5)	balls		1,000 #	1,000 #		BALL OFF PRESS
12-20 (5) (5)	early + frequent to minimize extension		1,000 #	1,000 #		ROCK SALT PRESS
12-20 (5) (5)			1,000 #	1,000 #		ISIP 600
12-20 (5) (5)				1,500 #		5 MIN
12-20 (5) (5)				1,500 #		10 MIN
12-20 (5) (5)				1,500 #		15 MIN
FLUSH CASING	10			1,000 #	3600	MIN RATE
Release balls to T.D.			TOTAL	11,500 #		MAX RATE
OVERFLUSH	10		SAND			DISPLACEMENT 7.1
TOTAL BBL'S	283					

REMARKS: held safety-procedure meeting before frac job
Spotted 100 gal 15% HCL acid on perfs loaded 75 bioballs
Blend 200 gal raw HCL acid OTF for treating psi
location 9:30 AM - 10:45 AM 50 miles

AUTHORIZATION _____ TITLE _____ DATE 1-3-14

Terms and Conditions are printed on reverse side.