



LEIS OIL SERVICES

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



Operator License #: 30345	API #: 15-207-28713-00-00
Operator: Piqua Petro, Inc.	Lease: Karen's Farm
Address: 1331 Xylan Rd Piqua, KS 66761	Well #: 2-13
Phone: (620) 433-0099	Spud Date: 10-1-13 Completed: 10-3-13
Contractor License: 34036	Location: SW-NW-NW-NE of 10-24-17E
T.D. : 1266 T.D. of Pipe: 1262 Size: 2.875"	600 Feet From South
Surface Pipe Size: 7" Depth: 22'	2440 Feet From East
Kind of Well: Oil	County: Woodson

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
6	Soil	0	6	4	Lime	758	762
2	Sand/Gravel	6	8	3	Black Shale	762	765
9	Clay	8	17	14	Shale	765	779
36	Lime	17	53	7	Lime	779	786
114	Shale	53	167	16	Shale	786	802
11	Lime	167	178	4	Lime	802	806
5	Shale	178	183	5	Shale	806	811
5	Lime	183	188	3	Black Shale	811	814
8	Shale	188	196	3	Shale	814	817
10	Lime	196	206	3	Lime	817	820
4	Shale	206	210	2	Black Shale	820	822
62	Lime	210	272	4	Shale	822	826
61	Shale	272	333	5	Broken Oil Sand	826	831
73	Lime	333	406	21	Shale	831	852
8	Shale/Black Shale	406	414	1	Lime	852	853
23	Lime	414	437	2	Shale	853	855
3	Black Shale	437	440	1	Lime	855	856
17	Lime	440	457	318	Shale	856	1174
172	Shale	457	629	2	Coal	1174	1176
4	Lime	629	633	7	Shale	1176	1183
18	Shale	633	651	6	Soft Lime	1183	1189
9	Lime	651	660	2	Coal	1189	1191
68	Shale	660	728	27	Lime	1191	1218
2	Lime	728	730	4	Oil/odor/bleed	1218	1222
2	Shale	730	732	44	Lime	1222	1266
5	Lime	732	737				
5	Shale	737	742		T.D.		1266
4	Lime	742	746		T.D. of Pipe		1262
12	Shale	746	758				



Leis Oil Services, LLC

1410 150th Rd
Yates Center, KS 66783

Invoice

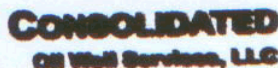
Date	Invoice #
10/6/2013	1014

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

P.O. No.	Terms	Project
	Due on receipt	

Quantity	Description	Rate	Amount
1,266	Karen's Farm 2-13	6.25	7,912.50
10	Cement for Surface *	12.60	126.00
1	Drill Pit	100.00	100.00
1	Drill Bit Charge	600.00	600.00
1,253	Woods Ellis	6.25	7,831.25
10	Cement for Surface	12.60	126.00
1	Drill Pit	100.00	100.00
1	Drill Bit Charge	600.00	600.00
1,243	Sovoboda 40-13	6.25	7,768.75
1	Drill Pit	100.00	100.00
1	Drill Bit Charge	600.00	600.00
1,247	Sovoboda 39-13	6.25	7,793.75
1	Drill Pit	100.00	100.00
1	Drill Bit Charge	600.00	600.00
Total			\$34,358.25

Handwritten notes:
BQ
4407
10/8/13
A circled checkmark is next to the total amount.



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

ENTERED

TICKET NUMBER 45017 ✓
LOCATION Eureka
FOREMAN Steve Mead

FIELD TICKET & TREATMENT REPORT CEMENT

DATE		CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY	
10-3-13		4950	Karen Farm #2-13					Woodson	
CUSTOMER					TRUCK #	DRIVER	TRUCK #	DRIVER	
Pigua Petroleum					455	Alan M			
MAILING ADDRESS					479	ZVey A			
1331 Xylan Rd									
CITY		STATE	ZIP CODE						
Pigua		KS	66761						
JOB TYPE	4/5	5	HOLE SIZE	5 7/8	HOLE DEPTH 1266'				CASING SIZE & WEIGHT
CASING DEPTH	1263		DRILL PIPE		TUBING 2 7/8				OTHER
SLURRY WEIGHT			SLURRY VOL		WATER gal/sk				CEMENT LEFT In CASING
DISPLACEMENT	7.30 bbls		DISPLACEMENT PSI	300*	PUMP 3000 psi				RATE
REMARKS: Safety Meeting: Rig up to 2 7/8 tubing. Mix 1250* Gel Gel up hole. Circulate Gel around Pipe for 1 hr. Pump 3000 water spacer Mix 2000s thick set cement									

[illegible]

Bayin 3737

AUTHORIZATION by Greg Harris

TITLE owner

DATE _____

AUTHORIZATION by Greg Hartz TITLE SALES

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



Date	Customer #	Well Name & Number	Sec./Township/Range	County
11/15/13		KARONS FARMS 2-13		Wyo
Customer		Mailing Address	City	State Zip
ARONA PETRO				KS

Quantity	Acid	Additives Used	Charge
1	303	Pump Charge	725 ⁰⁰
800	15%	Acid with inhibitor	1560 ⁰⁰
		Mud Acid	
2 1/2		NE-320	59 ⁷⁵
13/4		FSW-4100	39 ²⁰
		Iron Stay	
		Bachcide	
		Clay Stay	
2		KCL	52 ⁶⁰
1		Biocide	38 ⁰⁰
		Gel	
		Breaker	
13	7/8 1.3 sp	Ball Sealers	22 ²⁵
1		Ball Gun	50 ⁰⁰
35	303	Pump truck Mileage	113 ⁷⁵
1	320	Acid Transport	150 ⁰⁰
1	310	Acid Spotter	300 ⁰⁰
35	392	Pickup Mileage	52 ⁵⁰
		80 Vac	
		Transport	
			# BODS PRICED
		Total	3114 ²⁵

Customer Signature