



Leis Oil Services, LLC

1410 150th Rd
Yates Center, KS 66783

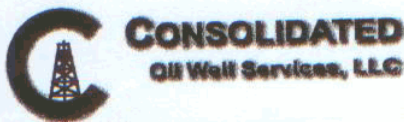
Invoice

Date	Invoice #
11/8/2013	1018

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

P.O. No.	Terms	Project
	Due on receipt	

Quantity	Description	Rate	Amount
1,241	Willie North 8-13	6.25	7,756.25
1	Mississippi Bit Charge	600.00	600.00
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
1,262	Startz 9-13	6.25	7,887.50
1	Mississippi Bit Charge	600.00	600.00
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
1,116	Wingrave 66-13	6.25	6,975.00
1	Drill Pit	100.00	100.00
10	Cement for Surface*	11.60	116.00
1,107	Wingrave 67-13	6.25	6,918.75
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
420	Little Kramer trenching	0.75	315.00
1,055	Wingrave 68-13	6.25	6,593.75
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
1,056	Wingrave 69-13	6.25	6,600.00
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
1,066	Wingrave 70-13	6.25	6,662.50
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
1,081	Wingrave 71-13	6.25	6,762.50
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
2	spread rock by barn on wingrave and cleared location for 72-13 along trees	45.00	90.00
		Total	\$59,487.00



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

263761

TICKET NUMBER 45046
LOCATION Eureka, KS
FOREMAN David Gardner

FIELD TICKET & TREATMENT REPORT
CEMENT API # N/A

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-4-13	4950	Wingrave 66-13	17	24	16	Woodson
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Piqua Petroleum			445	Chris B.		
MAILING ADDRESS			515	Colby N.		
1331 Xylan Rd.						
CITY	STATE	ZIP CODE				
Piqua	KS	66761				

JOB TYPE 4/s 0 HOLE SIZE 5 5/8 HOLE DEPTH 1116' CASING SIZE & WEIGHT _____
 CASING DEPTH 1109' DRILL PIPE _____ TUBING 2 7/8 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 6.4 Bbls DISPLACEMENT PSI 550 Bump Plug 950 PSI RATE _____

REMARKS: Safety Meeting. Rig up to 2 7/8 tubing. Break circulation w/ fresh water Pump 300# Gel Flush, 5 Bbl spacer. Mix 140 sks 60/40 Pozmix Cement w/ 5# Kol-seal, 4% Gel + 1% Caclz. Shut down. Wash out pump + lines. Stut 2 plugs. Displace w/ 6.4 Bbls fresh water. Final pumping pressure 550#. Bump plugs to 950#. Shut well in @ 500#. Good cement returns to surface. Job complete. Rig down.

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	140 SKS	60/40 Pozmix Cement	13.18	1845.2
1110A	700#	5# Kol-seal	.46	322.00
1118B	450#	4% Gel	.22	99.00
1102	120#	1% Caclz.	.78	93.60
5407	6.02 Tons	Ton Mileage Bulk Truck	M/C	368.00
1118B	300#	Gel Flush	.22	66.00
4402	2	2 7/8 Top Rubber Plug	29.50	59.00
			Subtotal	4105.8
"Thank You"			7.15%	SALES TAX 177.66
			ESTIMATED TOTAL	4283.4

completed

Ravin 3737

AUTHORIZATION

TITLE

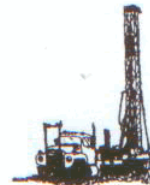
DATE

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



LEIS OIL SERVICES

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



Operator License #: 830345	API #: 15-207-28660-00-00
Operator: Leis Pippa Leis	Lease: Wingance
Address: 1531 Yulem Rd	Well #: 66-113
Phone: 433-3049	Spud Date: 10/25/13 Completed: 10/28/13
Contractor License: 29036	Location: NIVENENE sb 17-24-16E
T.D.: 1116 T.D. of Pipe: 1104 Size: 2.875	2475 Feet From North
Surface Pipe Size: 7" Depth: 42	500 Feet From East
Kind of Well:	County: W0

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
05	soil	0	5	3	lime	945	948
12	lime	5	17	2	Bl. Shale	948	950
172	shale	17	189	32	Shale	950	982
41	lime	189	230	5	lime	982	987
6	shale	230	236	4	shale	987	991
224	lime	236	460	2	Bl. Shale	991	993
1	shale	460	476	6	shale	993	999
3	lime	476	478	11	oil sand	999	1010
8	shale	478	486	28	shale	1010	1048
4	lime	486	490	1	lime	1048	1049
33	shale	490	523	2	oil sand	1049	1052
15	lime	523	538	59	sandy shale	1052	1116
9	shale/bl. shale	538	607				
22	lime	607	629				
5	shale/bl. shale	629	634				
25	lime	634	659				
161	shale	659	820				
4	lime	820	824				
21	shale	824	845				
9	lime	845	854				
60	shale	854	914				
2	lime	914	916				
8	shale	916	924				
2	lime	924	926				
7	shale/bl. shale	926	933				
12	shale	933	945				

Drilling Remarks: 1002 CFS light blue/broken oil sand (end) (999-1000) 1002-1007 good hard sand/shale mix, 1007-1012 good blue broken oil sand to sh. c. 1018-1049 limecap 1049-1054 oil sand light blue, 1054-1059 oil sand to sandy shale, light blue



CONSOLIDATED
Oil Well Services, LLC

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

3RD well

TICKET NUMBER 57351
FIELD TICKET REF # 48803
LOCATION Thayer
FOREMAN Matt Busby

**TREATMENT REPORT
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-15-13		Wingrave 66-13	17	245	16E	WO
CUSTOMER Pigua Petroleum, Inc.			* Safety meeting attendees			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			476	Josh	4897102	Cody V
STATE			490	Donnie		
ZIP CODE			482	Mark		
			582	Eric		
			424	Wes		
			618795	Joe		

WELL DATA

CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE 2 7/8 X 8 EUE	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
1002.5 - 12.5 (21) Squirrel (5)	
1048 - 1069 (34)	

TYPE OF TREATMENT

Acid spot + frac w/acid STF

CHEMICALS

KALSUB - Biocide + Breaker
Acid - Inhibitor - Stim Oil

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
PAD	20	20				BREAKDOWN 1325
16-30		20	.5-1.0	500#		START PRESSURE
12-20 BIO BALLS		20	1.0-2.0	3,500#		END PRESSURE
12-20 (10) + (5) + (3)		↓	0.5			BALL OFF PRESS
12-20 (4)		↓	1.0			ROCK SALT PRESS
12-20		↓	2.0			ISIP 775
12-20 (8) + (6)		20	2.0	4,000#		5 MIN
12-20 (5) + (4)		17	.5			10 MIN
12-20 (45)		17	1.0			15 MIN
12-20		18	2.0	4,000#		MIN RATE
FLUSH CASING	10	20				MAX RATE
Release balls to T.D.			TOTAL	12,000#		DISPLACEMENT 6.2
OVERFLUSH	10	20	SAND			
TOTAL BBL'S	297					

REMARKS: * hold safety - procedure meeting before frac
Spotted 100 gal - 15% HCL acid on perfs
Blend 200 gal raw HCL acid STF
Location 12:00 PM - 50 miles

AUTHORIZATION [Signature] TITLE _____ DATE 11-15-13

Terms and Conditions are printed on reverse side.