



LEIS OIL SERVICES

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



Operator License #: 30345	API #: 15-207-28828-00-00
Operator: Piqua Petro, Inc.	Lease: Hammond E
Address: 1331 Xylan Rd Piqua, KS 66761	Well #: 67-14
Phone: (620) 433-0099	Spud Date: 1-22-14 Completed: 1-29-14
Contractor License: 34036	Location: NW-SW-NW-NE of 8-24-16E
T.D. : 1109 T.D. of Pipe: 1105 Size: 2.875"	830 Feet From North
Surface Pipe Size: 7" Depth: 42'	2470 Feet From East
Kind of Well: Oil	County: Woodson

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
4	Soil	0	4	4	Lime	941	945
4	Sand/Gravel	4	8	3	Black Shale	945	948
177	Shale	8	185	32	Shale	948	980
54	Lime	185	239	4	Lime	980	984
18	Shale	239	257	2	Shale	984	986
119	Lime	257	376	3	Black Shale	986	989
18	Shale	376	394	19	Shale	989	1008
74	Lime	394	468	10	Broken Oil Sand	1008	1018
15	Shale	468	483	22	Oil Sand	1018	1040
7	Lime	483	490	3	Broken Oil Sand	1040	1043
10	Shale	490	500	17	Oil Sand	1043	1060
3	Lime	500	503	59	Shale	1060	1109
23	Shale	503	526				
44	Lime	526	570				
12	Shale	570	582				
18	Lime	582	600				
7	Shale/Black Shale	600	607				
21	Lime	607	628				
6	Shale/Black Shale	628	634				
25	Lime	634	659				
161	Shale	659	820				
2	Lime	820	822				
24	Shale	822	846				
10	Lime	846	856				
53	Shale	856	909				
2	Lime	909	911				
4	Shale	911	915		T.D.		1109
13	Lime	915	928		T.D. of Pipe		1105
13	Shale	928	941				



CONSOLIDATED
Oil Well Services, LLC

265789

TICKET NUMBER 45201

LOCATION Eureka

FOREMAN Steve 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
1-25-14	4950	Hammond 267-13				Woodson
CUSTOMER			TRUCK #			
Pigua Petroleum			485	Alan		
MAILING ADDRESS			479	Zeth-Danny		
1331 Xylan Rd			637	marlo		
CITY		STATE	ZIP CODE			
Pigua		KS				

JOB TYPE <u>145 a</u>	HOLE SIZE	HOLE DEPTH <u>1109</u>	CASING SIZE & WEIGHT
CASING DEPTH <u>1105'</u>	DRILL PIPE	TUBING	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING
DISPLACEMENT <u>6.40 bbls</u>	DISPLACEMENT PSI <u>700*</u>	MIX-PSI plug <u>1200*</u>	RATE

REMARKS: Safety Meeting. Rig up to 2 3/8 Tubing. Break circulation w/ Fresh water Pump 300* Gal Flush * 5 bbls water spacer. Mix 145 sks 60/40 Poz mix Cement w/ 5* Kol-seal, 4% Gal + 1% Calc. Shut down. Wash out pump & Lines. Stuff 2 plug. Displace w/ 6.40 bbls Fresh water. Final pumping Pressure 700* Pump Plug 1200*. Shut well in 500*. Good Cement Returns to surface. 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	145 sks	60/40 Poz mix Cement	13.18	1911.10 ✓
1110A	700*	Kol-seal 5% Poz mix	.46	322.00 ✓
1118B	420*	Gal 4%	.22	103.40 ✓
1102	120*	Calc 1%	.78	93.60 ✓
1118B	300*	Gal Flush	.22	66.00 ✓
5407	6.23 run	For mileage Bulk Truck	M/S	368.00 ✓
3502C	3 hrs	8 bbl Vacuum Truck	90.00	270.00 ✓
1123	2500 gallons	CITY water	12.30/1000	43.25 ✓
4402	2	2 3/8 Rubber Plug	29.50	59.00 ✓
		<input checked="" type="checkbox"/> completed		
		Subtotal		4489.35 ✓
		SALES TAX		185.77
		ESTIMATED TOTAL		4675.12

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 account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Leis Oil Services, LLC

1410 150th Rd
Yates Center, KS 66783

Invoice

Date	Invoice #
3/22/2014	1020

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

P.O. No.	Terms	Project
	Due on receipt	

Quantity	Description	Rate	Amount
	Drilling- Hammond E 66-14	6.25	6,950.00
1	Drill Pits	100.00	100.00
10	Cement for Surface	11.60	116.00
	Drilling- Hammond E 67-14	6.25	6,931.25
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
	Drilling- Hammond E 68-14	6.25	6,937.50
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
	Drilling- Hammond E 69-14	6.25	6,893.75
1	Drill Pit	100.00	100.00
10	Cement for Surface	11.60	116.00
	Drilling- Collins Bennett 15-14	6.25	5,550.00
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
	Drilling- Collins Bennett 16-14	6.25	7,562.50
1	Mississippi Drill Charge	600.00	600.00
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
	Drilling- Collins Bennett 17-14	6.25	5,518.75
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
	Drilling- Collins Bennett 18-14	6.25	5,556.25
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
	Drilling- Shannon 3-14	6.25	5,531.25
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
	Drilling- Shannon 4-14	6.25	7,543.75
1	Mississippi Drill Charge	600.00	600.00
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
	Drilling- Shannon 5-14	6.25	5,481.25
1	Drill Pit	100.00	100.00
Total			



CONSOLIDATED
Oil Well Services, LLC

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

2nd well

TICKET NUMBER 58051
FIELD TICKET REF # 49030
LOCATION Thayer
FOREMAN Brett Busby

TREATMENT REPORT
FRAC & ACID

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-27-14		Hammond "E" 67814				WO

CUSTOMER Pigna Petroleum		
MAILING ADDRESS		
CITY	STATE	ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
476	Josh	6801221	Stan
490	Larry R		
458	Tim		
521	Eric		
443	Merle		
679102	Junior		

WELL DATA	
CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 7/8</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>1044-60</u>	<u>(34) Squirrel</u>

TYPE OF TREATMENT
<u>Acidspot + frac</u>

CHEMICALS
<u>Biocide - Breaker</u>
<u>Acid - Inhibitor - Stim Oil</u>

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI
PAD	20	20			BREAKDOWN 1300
16-30		20		500#	START PRESSURE
12-20				3500#	END PRESSURE
12-20					BALL OFF PRESS
12-20 (8) + (7)					ROCK SALT PRESS
12-20					ISIP 600
12-20				3,000#	5 MIN
12-20 (8) + (3)		20			10 MIN
12-20 + (2) = (28)		20-14			15 MIN
12-20		14		3,000#	MIN RATE
FLUSH CASING	10	14			MAX RATE
Release balls to T.D			TOTAL	10,000#	DISPLACEMENT 6.0
OVERFLUSH	15	20	SAND		
TOTAL	235				

REMARKS:
Spotted 75 gal - 15% HCL acid loaded 30 balls
Blended 100 gal - raw HCL acid O/F

Location 12:00 PM - 1:00 PM 50 miles

AUTHORIZATION customer left site TITLE _____ DATE 2-27-14

Terms and Conditions are printed on reverse side.