



LEIS OIL SERVICES

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



Operator License #: 30345	API #: 15-001-31081-00-00
Operator: Piqua Petro, Inc.	Lease: Shannon
Address: 1331 Xylan Rd, Piqua, KS 66761	Well #: 13-14
Phone: (620) 433-0099	Spud Date: 5-19-14 Completed: 5-20-14
Contractor License: 34036	Location: NW-NW-NE-NW of 14-25-17E
T.D. : 878 T.D. of Pipe: 876 Size: 2.875"	165 Feet From North
Surface Pipe Size: 7" Depth: 22'	1450 Feet From West
Kind of Well: Oil	County: Allen

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
3	Soil and Clay	0	3	4	Shale	772	776
12	Lime	3	15	3	Black Shale	776	779
131	Shale	15	146	2	Shale	779	781
21	Lime	146	167	4	Lime	781	785
7	Shale	167	174	24	Shale	785	809
53	Lime	174	227	1	Lime	809	810
8	Shale	227	235	12	Oil Sand	810	822
2	Lime	235	237	56	Shale	822	878
36	Shale	237	273				
11	Lime	273	284				
15	Shale	284	299				
71	Lime	299	370				
6	Shale/Black Shale	370	376				
28	Lime	376	404				
5	Shale/Black Shale	404	409		T.D. of Pipe		876
31	Lime	409	440		T.D.		878
174	Shale	440	614				
11	Lime	614	625				
67	Shale	625	692				
5	Lime	692	697				
3	Shale	697	700				
19	Lime	700	719				
6	Shale	719	725				
4	Lime	725	729				
2	Black Shale	729	731				
21	Shale	731	752				
5	Lime	752	757				
7	Shale	757	764				
8	Lime	764	772				

Leis Oil Services, LLC

1410 150th Rd
Yates Center, KS 66783

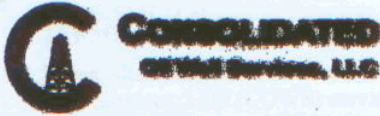
Invoice

Date	Invoice #
6/1/2014	1026

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

P.O. No.	Terms	Project
	Due on receipt	

Quantity	Description	Rate	Amount
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
1,238	Drilling Diebolt 6-14	6.25	7,737.50
1	Mississippi Bit Charge	600.00	600.00
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
878	Drilling Shannon 13-14	6.25	5,487.50
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
874	Drilling Shannon 12-14	6.25	5,462.50
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
879	Drilling Shannon 14-14	6.25	5,493.75
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
865	Shannon 15-14	6.25	5,406.25
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
1,222	Diebolt 7-14	6.25	7,637.50
1	Mississippi Bit Charge	600.00	600.00
1	Drill Pit	100.00	100.00
8	Cement for Surface	11.60	92.80
3	Making crossing through stream on Diebolt (3hours)	45.00	135.00
		Total	\$39,909.60



268372

TICKET NUMBER 45957

LOCATION Eureka

FOREMAN Jeremy R Austin

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
5/21/14	4950	Shannon 13-14				Allen
CUSTOMER <u>Piqua Petroleum</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			690	Sean		
CITY			667	Jeremy		
STATE			453-130	Colby		
ZIP CODE			445	Sory		

JOB TYPE <u>L/S</u>	HOLE SIZE <u>5 5/8</u>	HOLE DEPTH <u>878</u>	CASING SIZE & WEIGHT
CASING DEPTH <u>876</u>	DRILL PIPE	TUBING <u>2 7/8</u>	OTHER
SLURRY WEIGHT <u>13.6</u>	SLURRY VOL	WATER gal/sk <u>8.6</u>	CEMENT LEFT in CASING
DISPLACEMENT <u>5'</u>	DISPLACEMENT PSI <u>400</u>	MIX PSI <u>800</u>	RATE

REMARKS: Safety meeting, Rig up to well head 2 7/8 tubing break Circulation pumped 200^{ft} of Gel with 5 bbl spacer then pumped 120 SKS of 60/40 Poz mix Cement ~~shut down~~ shut down put two plugs in 2 7/8 tubing washed pump & lines then Displaced 5 bbl pump PSI 400^{ft} loaded plug At 800^{ft} released back to 500^{ft} Shut it in wash up rigged up headed back to shop.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00
5406		MILEAGE		
1131	120 SKS	60/40 Poz mix Cement	13.18	1582.60
1110A	600 ^{ft}	Kot-Sent 5 ^{ft} Per SK	.46	276.00
1128B	400 ^{ft}	Gel 4%	.22	88.00
1102	100 ^{ft}	Calc 1%	.98	98.00
1107A	4260 ^{ft}	1/2 Pheno	1.35	5751.00
1118B	200 ^{ft}	Gel Flush	.22	44.00
5407	5.16 Tons	Ton mileage Bulk/Truck		368.00
4402	2	2 7/8 Rubber Plugs	29.50	59.00
5502C	3 hrs	Transport	120.00	360.00
1123	3000 Gallons	Citywater	17.30	51.90
				4072.50
			30% Discount	(644.54)
				3427.92
			Sales Tax	
			7.4%	253.67
			SALES TAX	119.50
			ESTIMATED TOTAL	3547.42

Revin 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



CONSOLIDATED
Oil Well Services, LLC

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

4th well

TICKET NUMBER 58519
FIELD TICKET REF # 49264
LOCATION Thayer
FOREMAN Brett Busby

**TREATMENT REPORT
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-9-14		Shannon # 13				AL

CUSTOMER Pigua Petroleum Inc		
MAILING ADDRESS		
CITY	STATE	ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
476	Josh	618T95	Joe
490	Larry	679T102	Junior
482	Mark		
582	Matt		
443	Wes		
680T221	Cody		

WELL DATA	
CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE 2 7/8 REG	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
8 1/2-24 (26)	Squirrel

TYPE OF TREATMENT	
Acid spot + frac	
CHEMICALS	
KesurB - Biocide	- Breaker
Acid - Inhibitor	- StimOil

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI
PAD	20	20			BREAKDOWN 1300
16-30		20	1.5-1.0	3000#	START PRESSURE
12-20		20	1.0		END PRESSURE
12-20			2.0	2700#	BALL OFF PRESS
12-20 (7) + (3)			1.5		ROCK SALT PRESS
12-20			1.0		ISIP 650
12-20			2.0	2000#	5 MIN
12-20 (1)		18	1.5		10 MIN
12-20 (1) + (1) = (2)		18	1.0		15 MIN
12-20		20	2.0	1500#	MIN RATE
FLUSH CASING	5	20			MAX RATE
Release balls to T.D.			TOTAL	6,500#	DISPLACEMENT 418
OVERFLUSH	10		SAND		
TOTAL BBL'S	165				

REMARKS:
Spotted 75 gal - 15% HCL acid on perfs

Location 11:45 AM - 1:00 PM 40 miles

AUTHORIZATION customer left site B.B. TITLE DATE 6-9-14

Terms and Conditions are printed on reverse side.