

Operator License #: 30345	API #: 15-207-28999-00-00
Operator: Piqua Petro, Inc.	Lease: Diebolt
Address: 1331 Xylan Rd Piqua, KS 66761	Well #: 10-14
Phone: (620) 433-0099	Spud Date: 6-24-15 Completed: 6-26-15
Contractor License: 34036	Location: SE-SE-SW-SE of 15-24-17E
T.D. : 1223 T.D. of Pipe: 1220 Size: 2.875"	165 Feet From South
Surface Pipe Size: 7" Depth: 22'	3800 Feet From West
Kind of Well: Oil	County: Woodson

LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
6	Soil/Clay	0	6	4	Shale	796	800
1	Shale	6	7	3	Black Shale	800	803
28	Lime	7	34	3	Shale	803	806
147	Shale	34	151	3	Lime	806	809
16	Lime	151	167	39	Shale	809	848
10	Shale	167	177	1	Lime	848	849
74	Lime	177	251	316	Shale	849	1165
74	Shale	251	325	1	Coal	1165	1166
73	Lime	325	398	6	Shale	1166	1172
6	Shale/Black Shale	398	404	5	Lime	1172	1177
21	Lime	404	425	9	Lime/Oil/Odor	1177	1186
3	Shale/Black Shale	425	428	4	Lime/Some Oil	1186	1190
25	Lime	428	453	33	Lime	1190	1223
165	Shale	453	618				
2	Lime	618	620				
19	Shale	620	639				
10	Lime	639	649				
67	Shale	649	716				
2	Lime	716	718				
8	Shale	718	726				
8	Lime	726	734				
2	Shale	734	736				
2	Lime	736	738		T.D.		1223
10	Shale	738	748		T.D. of Pipe		1220
3	Lime	748	751				
18	Shale	751	769				
11	Lime	769	780				
11	Shale	780	791				
5	Lime	791	796				

CONSOLIDATED
Oil Well Services, LLC

3288
3198

TICKET NUMBER 49685
LOCATION Ottawa KS
FOREMAN Fred Mader

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

INVOICE # 804685
FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-26-15	4950	Diebolt # 10.14	SE 15	24	17	W0
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Piqua Petroleum Greg Lair			712	Fred Mader		
MAILING ADDRESS			495	Har Bar		
1331 Xylan Rd			503	Arl Mader		
CITY	STATE	ZIP CODE				
Piqua	KS	66761				

JOB TYPE Logging HOLE SIZE 6 7/8 HOLE DEPTH 1222 CASING SIZE & WEIGHT 2 3/8 EUE
 CASING DEPTH 1220 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2" Plug
 DISPLACEMENT 7.13AL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold Safety meeting. Establish circulation. Mix Pump 1250 #
Gel. Circulate w/ Gel to condition hole. Mix Pump 25SKs
Thixoblead II Cement. Flush pump & lines clean. Displace
2 1/2" Rubber plug to casing TD. Pressure to 800 # PSI.
Release pressure to set float valve. Shut in casing.

Rig Supplied Water.
Leis Oil Services

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00
CE0002	2/0 mi	MILEAGE		286.00
CE0711	Minimum	Ten Miles Delivery		660.00
		Sub Total		2446.00
		Less 39%		- 953.94
				1492.06
CC5861	25SKs	Thixoblead II Cement	675.00	
CC5965	1250#	Bentonite Gel	375.00	
CP8176	1	2 1/2" Rubber Plug	45.00	
		Sub Total		1095.00
		Less 39%		- 427.05
				667.95
			7.15%	SALES TAX
				47.26
				ESTIMATED TOTAL
				2207.27

Rev'n 3737

AUTHORIZATION [Signature] TITLE _____ DATE 3619.29

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 #
6/30/2015	1055

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

P.O. No.	Terms	Project
	Due on receipt	

Quantity	Description	Rate	Amount
1	Portable pit	150.00	150.00
8	Cement for surface	11.60	92.80
863	Drilling Shannon 24-15	6.25	5,393.75
1	Portable pit	150.00	150.00
8	Cement for surface	11.60	92.80
870	Drilling Shannon 25-15	6.25	5,437.50
1	Portable pit	150.00	150.00
8	Cement for surface	11.60	92.80
863	Drilling LaRue 1-15	6.25	5,393.75
1	Portable Pit	150.00	150.00
8	Cement for surface *	11.60	92.80
1,223	Drilling for Diebolt 10-14	6.25	7,643.75
1	Mississippi Bit Charge	800.00	800.00
Total			\$25,639.95



CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 60917
FIELD TICKET REF # 51006
LOCATION Thayer
FOREMAN Brett Budby

**TREATMENT REPORT
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-21-15	4950	Diebolt 10-14	15	145	17E	WO
CUSTOMER <u>Piqua Petro. Inc</u>						
MAILING/ADDRESS						
CITY		STATE	ZIP CODE			

* Safety meeting attendees

TRUCK #	DRIVER	TRUCK #	DRIVER
424	London		
582	Trampis		
68091	James		

WELL DATA

CASING SIZE	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 7/8 BEUE</u>	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>1177.5 - 86 (18)</u>	<u>Mississippi Fimestone</u>

TYPE OF TREATMENT
Acidspot + ABO

CHEMICALS

<u>Biocide</u>	<u>Trancontrol</u>
<u>Acid</u>	<u>Retarder</u>
<u>Inhibitor</u>	
<u>Maxsurf</u>	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
<u>Breakdown perfs establish rate</u>		<u>4.5</u>			<u>700</u>	<u>1500</u> BREAKDOWN AT
<u>Acidize w/ 1100 gal -15% retarded HCL acid + (30) balls</u>		<u>5.5</u>			<u>600</u>	START PRESSURE
<u>staged thru-out acid - pump till max ball-off psi achieved</u>		<u>5.5</u>			<u>600</u>	END PRESSURE
<u>release balls to T.D.</u>		<u>4.0</u>			<u>1000</u>	BALL OFF PRESS <u>2500</u>
<u>OVERFLUSH</u>	<u>40 bbls / 1600</u>	<u>5.5</u>		<u>400-500</u>	<u>1500</u>	ROCK SALT PRESS
<u>TOTAL GAL</u>	<u>2400</u>				<u>2500</u>	ISIP <u>400</u>
						5 MIN <u>VACUUM</u>
						10 MIN
						15 MIN
						MIN RATE
						MAX RATE
						DISPLACEMENT <u>292 GAL</u>
						<u>6.9 bbls</u>

REMARKS: * hold safety-procedure meeting before frac ABO
Spotted 250 gal -15% HCL acid on perfs

Location 9:00 AM - 10:45 AM 45 miles

AUTHORIZATION [Signature] TITLE _____ DATE 7-21-15

Terms and Conditions are printed on reverse side.