

Miami County, KS

Town Oilfield Service, Inc.

Commenced Spudding:

Well: Stahl A-9

(913) 837-8400

6-3-2015

Lease Owner: Altavista Energy

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 17	Soil - Clay	17
13	Shale	30
26	Lime	56
16	Shale	72
11	Lime	83
8	Shale	91
2	Lime	93
22	Shale	115
6	Lime	121
31	Shale	152
15	Lime	167
14	Shale	181
25	Lime	206
8	Shale	214
20	Lime	234
3	Shale	237
4	Lime	241
2	Shale	243
10	Lime	253
12	Shale	265
6	Sand	271
12	Shale	283
12	Lime	295
17	Sandy Shale	312
140	Shale	452
5	Lime	457
2	Shale	459
7	Lime	466
6	Shale	472
7	Lime	479
19	Shale	498
4	Lime	502
9	Shale	511
3	Lime	514
12	Shale	526
5	Lime	531
68	Shale	599
19	Core	618
7	Sandy Shale	625
55	Shale	680 TD

Thickness of Strata	Formation	Total Depth	Remarks
0-17	soil-clay	17	
13	Shale	30	
26	Lime	56	
16	Shale	72	
11	Lime	83	
8	Shale	91	
2	Lime	93	
22	Shale	115	
6	Lime	121	
31	Shale	152	
15	Lime	167	
14	Shale	181	
25	Lime	206	
8	Shale	214	
20	Lime	234	
3	Shale	237	
4	Lime	241	
2	Shale	243	
10	Lime	253	Hertha
12	Shale	265	
6	Sand	271	broken - slight show
12	Shale	283	
12	Sand	295	gas odor
17	sandy shale	312	
140	Shale	452	
5	Lime	457	
2	Shale	459	

459

Thickness of Strata	Formation	Total Depth	Remarks
7	Lime	466	
6	Shale	472	
7	Lime	479	
19	Shale	498	
4	Lime	502	
9	Shale	511	
3	Lime	514	
12	Shale	526	
5	Lime	531	
68	Shale	599	
19	Core	618	
7	sandy shale	625	Page 6
55	Shale	680	TD

Thickness of Strata	Formation	Total Depth	Remarks
	Core	599	
5	shale	604	
8	sand	612	broken - good show - perf
6	sandy shale	618	



REMIT TO
 Consolidated Oil Well Services, LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

MAIN OFFICE
 P.O.Box884
 Chanute, KS 66720
 620/431-9210, 1-800/467-8676
 Fax 620/431-0012

Invoice # 804631

Invoice Date: 06/25/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC
 4595 K-33 HWY, PO BOX 128
 WELLSVILLE KS 66092
 USA
 7858834057

STAHL #A-9

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	46.000	810.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	46.000	115.83
CE0710	Cement Delivery Charge	1.000	660.0000	46.000	356.40
WE0853	80 BBL Vacuum Truck (Cement Services)	1.500	100.0000	46.000	81.00
CC5840	Poz-Blend I A (50:50)	87.000	13.5000	46.000	634.23
CC5965	Bentonite	246.000	0.3000	46.000	39.85
CC5326	Sodium Chloride, Salt	161.000	0.7500	46.000	65.21
CC6077	Kolseal	435.000	0.5000	46.000	117.45
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal 4,156.05
 Discounted Amount 1,911.78
 SubTotal After Discount 2,244.27

Amount Due 4,280.86 If paid after 07/25/15

Tax: 67.40
 Total: 2,311.67



CONSOLIDATED
Oil Well Services, LLC

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

3197
11/28

TICKET NUMBER 51018

LOCATION Ottawa KS

FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 804631

DATE	CUSTOMER #	WELL-NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6.9.15	3244	Stahl # A-9	SE 17	16	22	MI
CUSTOMER			TRUCK #			
Mailing Address			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
			DRIVER			

JOB TYPE <u>Longstring</u>	HOLE SIZE <u>5 7/8</u>	HOLE DEPTH <u>680'</u>	CASING SIZE & WEIGHT <u>2 7/8</u>
CASING DEPTH <u>667'</u>	DRILL PIPE <u>Baffle in</u>	TUBING @ <u>635'</u>	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>32' + Plug</u>
DISPLACEMENT <u>3.73 BBL</u>	DISPLACEMENT PSI	MIX PSI	RATE <u>4 BPM</u>

REMARKS: No H safety meeting. Establish pump rate. Mix + Pump 100 # Gel Flush. Mix + Pump 87 sks Poz Blend IA Cement 2 7/8 gel 5% Salt 5' Celloflake/sk. Cement to Surface. Flush pump + lines clean. Displace 2 7/8" Rubber Plug to baffle in casing. Pressure to 800 PSI. Release pressure to set float valve. Shut in casing.

TOS Drilling - Wes

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00
CE0002	30 mi.	MILEAGE	495	21450.00
CE0710	Minimum	Ten Miles Delivery	558	660.00
WE0853	1 1/2 hr	80 BBL Vac Truck	369	1500.00
		Sub Total		2524.00
		Less 4.6%		-1161.27
				1363.23
CC5840	87 sks	Poz Blend IA Cement	1174.50	1174.50
CC5965	246 #	Bentonite Gel	73.00	73.00
CC5326	161 #	Salt	120.75	120.75
CC6073	435 #	Kal Seal	217.50	217.50
CP8176	1	2 7/8 Rubber Plug	45.00	45.00
		Sub Total		1631.50
		Less 4.6%		-750.57
				881.04
		7.65%	SALES TAX	67.40
			ESTIMATED TOTAL	2311.67

Revin 3737

AUTHORIZATION Byron Miller

TITLE

DATE

4280.80

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.