

Woodson County, KS
 Well: Section 35 A-27
 Lease Owner: AltaVista

Town Oilfield Service, Inc.
 (913) 294-2125

Commenced Spudding:
 7/17/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-15	Soil-Clay	15
123	Shale	138
11	Lime	149
9	Sand	158
37	Lime	195
54	Shale	249
90	Lime	339
3	Shale	342
23	Lime	365
50		414
1	Shale	415
3	Lime	418
11	Shale	429
4	Sand	433
1	Shale	434
3	Lime	437
3	Shale	440
1	Lime	441
3	Shale	444
37	Sand	481
69	Lime	550
5	Shale	555
28	Lime	583
2	Shale	585
12	Lime	597
4	Shale	601
2	Lime	603
164	Shale	767
6	Lime	773
18	Shale & Lime	791
10	Lime	801
61	Shale	862
3	Lime	865
5	Shale	870
8	Lime	878
14	Shale	892
3	Lime	895
15	Shale	910
5	Lime	915
16	Shale	931

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004

BPH - barrels per hour

PSI - pounds square inch

TO FIGURE PUMP DRIVES

* D - Diameter of Pump Sheave

* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

*C - Shaft Center Distance

D - $RPM \times d$ over $SPM \times R$

d - $SPM \times R \times D$ over RPM

SPM - $RPM \times D$ over $R \times d$

R - $RPM \times D$ over $SPM \times d$

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

Log Book

Well No. A-27

Farm Section 35

KS Woodson
(State) (County)

35 23 16
(Section) (Township) (Range)

For Altavista Energy inc
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Thickness of Strata	Formation	Total Depth	Remarks
0-15	soil - clay	15	
123	Shale	138	
11	Lime	149	
9	sand	158	no oil
37	Lime	195	
54	Shale	249	
90	Lime	339	
3	Shale	342	
23	Lime	365	
50	Lime	414	white - water
1	Shale	415	
3	Lime	418	
11	Shale	429	
4	sand	433	no oil
1	Shale	434	
3	Lime	437	
3	Shale	440	
1	Lime	441	
3	Shale	444	
37	sand	481	no oil
69	Lime	550	
5	Shale	555	
28	Lime	583	
2	Shale	585	
12	Lime	597	
4	Shale	601	
2	Lime	603	



REMIT TO
 QES Pressure Pumping 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

Invoice#

813683

Invoice Date: 07/24/18

Terms: Net 30

Page 1

ALTAVISTA ENERGY INC

PO BOX 128
 WELLSVILLE KS 66092
 USA
 7858834057

SECTION 35 #A-27

Tax: 91.04

Total: 2,787.70



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

JM-11154
PO-17399
FF-11040

TICKET NUMBER 54062
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #813683

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/19/18	3244	Section 35 # A-27	SE 35	23	16	WO
CUSTOMER <u>Atavista Energy</u>						
MAILING ADDRESS <u>PO Box 128</u>						
CITY <u>Wellsville</u>		STATE <u>KS</u>	ZIP CODE <u>66092</u>			
		TRUCK #	DRIVER	TRUCK #	DRIVER	
		<u>729</u>	<u>Casey</u>	<u>✓</u>	<u>Safety Meeting</u>	
		<u>467</u>	<u>Kei Det</u>	<u>✓</u>		
		<u>558</u>	<u>Har Bec</u>	<u>✓</u>		
		<u>675</u>	<u>Kei Det</u>	<u>✓</u>		

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 1100' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 1078 DRILL PIPE _____ TUBING baffle - 1042' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 36'
 DISPLACEMENT 6.03 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200 # Gel followed by 5 bbls fresh water, mixed & pumped 113 sks Pozblend 1A cement w/ 2% gel, 5% salt, + 5 # Kolsaal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 6.03 bbls fresh water, pressured to 200 PSI, released pressure to set float valve.

Handwritten signature

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>CE0450</u>	<u>1</u>	<u>PUMP CHARGE</u>	<u>1500.00</u>	
<u>CE0002</u>	<u>40 mi</u>	<u>MILEAGE</u>	<u>286.00</u>	
<u>CE0711</u>	<u>min</u>	<u>ton mileage</u>	<u>660.00</u>	
<u>WE0853</u>	<u>2.5 hrs</u>	<u>80 lbc</u>	<u>250.00</u>	
		<u>trucks</u>	<u>2696.00</u>	
		<u>-45%</u>	<u>1213.20</u>	
		<u>subtotal</u>		<u>1482.80</u>
<u>CC5840</u>	<u>113 sks</u>	<u>Pozblend 1A cement</u>	<u>1525.50</u>	
<u>CC5965</u>	<u>890 #</u>	<u>Gel</u>	<u>117.00</u>	
<u>CC5326</u>	<u>237 #</u>	<u>Salt</u>	<u>237.00</u>	
<u>CL6077</u>	<u>565 #</u>	<u>Kolsaal</u>	<u>282.50</u>	
<u>CP8176</u>	<u>1</u>	<u>2 1/2" rubber plug</u>	<u>45.00</u>	
		<u>materials</u>	<u>2207.00</u>	
		<u>-45%</u>	<u>993.15</u>	
		<u>subtotal</u>		<u>1213.85</u>
		<u>7.5%</u>		
		<u>SALES TAX</u>		<u>91.04</u>
		<u>ESTIMATED TOTAL</u>		<u>2787.00</u>

SCANNED
7-20 AM

AUTHORIZATION Bryan Miller TITLE _____ DATE (5068.53)

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.