

Woodson County, KS
Well: Section 35 A-25
Lease Owner: AltaVista

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

Commenced Spudding:
7/13/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-18	Soil-Clay	18
117	Shale	135
6	Lime	141
13	Sand	154
2	Shale	156
16	Lime	172
3	Shale	175
20	Lime	195
47	Shale	242
94	Lime	336
5	Shale	341
20	Lime	361
55	Lime	416
8	Shale	424
9	Sand	433
3	Shale	436
15	Lime	451
19	Sand	470
3	Lime	473
5	Shale	478
23	Lime	501
45	Lime	546
7	Shale	553
20	Lime	573
3	Shale	576
29	Lime	605
162	Shale	767
5	Lime	772
16	Shale	788
10	Lime	798
8	Shale	806
11	Sand	817
42	Shale	859
3	Lime	862
5	Shale	867
10	Lime	877
15	Shale	892
3	Lime	895
15	Shale	910
5	Lime	915

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-25

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

Section 35 Farm: Woodson County

KS State; Well No. A-25

Elevation 1023

Commenced Spuding 7-13 20 18

Finished Drilling 7-17 20 18

Driller's Name Wesley Dollard

Driller's Name Ryan Ward

Driller's Name _____

Tool Dresser's Name _____

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS
35 23 16

(Section) (Township) (Range)

Distance from S line, 1620 ft.

Distance from E line, 1380 ft.

6 sacks
14 hrs
5 5/8 barrel
2 7/8 casing

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
8" Set _____ 8" Pulled _____
7 1/2" Set 40 6 1/2" Pulled _____
4" Set _____ 4" Pulled _____
2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
987.55		sat nipple			
1055.5		Bore			
1087.2		Float			
1100 TD				2 7/8	

Thickness of Strata	Formation	Total Depth	Remarks
0-18	soil-clay	18	
117	Shale	135	
6	Lime	141	
13	sand	154	water
2	Shale	156	
16	Lime	172	
3	Shale	175	
20	Lime	195	
47	Shale	242	
94	Lime	336	
5	Shale	341	
20	Lime	361	
55	Lime	416	white-water
8	Shale	424	
9	sand	433	no oil
3	Shale	436	
15	Lime	451	
19	sand	470	no oil
3	Lime	473	
5	Shale	478	
23	Lime	501	
45	Lime	546	oil show
7	Shale	553	
20	Lime	573	
3	Shale	576	
29	Lime	605	Heath
162	Shale	767	

767

Thickness of Strata	Formation	Total Depth	Remarks
5	Lime	772	
16	Shale	788	
10	Lime	798	
8	Shale	806	
11	Sand	817	no oil
42	Shale	859	
3	Lime	862	
5	Shale	867	
10	Lime	877	
15	Shale	892	
3	Lime	895	
15	Shale	910	
5	Lime	915	
17	Shale	932	
4	Lime	936	
10	Shale	946	
2	Lime	948	
6	Shale	954	
3	Sand	957	broken - odor - no oil show
6	Sand	963	broken - good oil show
21	sandy shale	984	
1	Lime	985	
3	Shale	988	
1	Lime	989	
10	Sand	999	solid - good saturation
101	sandy shale	1100	TD



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# 813654

Invoice Date: 07/18/18 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC
 PO BOX 128
 WELLSVILLE KS 66092
 USA
 7858834057

SECTION 35 #A-25

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	45.000	825.00
CE0002	Equipment Mileage Charge - Heavy Equipment	40.000	7.1500	45.000	157.30
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
WE0853	80 BBL Vacuum Truck (Cement Services)	4.000	100.0000	45.000	220.00
CC5840	Poz-Blend I A (50:50)	118.000	13.5000	45.000	876.15
CC5965	Bentonite	398.000	0.3000	45.000	65.67
CC6077	Kolseal	590.000	0.5000	45.000	162.25
CC5326	Sodium Chloride, Salt	248.000	1.0000	45.000	136.40
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75

Subtotal 5,146.40
 Discounted Amount 2,315.88
 SubTotal After Discount 2,830.52

Amount Due 5,318.93 If paid after 08/17/18

Tax: 94.89
 Total: 2,925.41



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

5m-11138
FO-17384
FT-11025

TICKET NUMBER 54060
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 813654

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/17/18	3244	Section 35 # A-25	SE 35	23	16	WO
CUSTOMER Attavista Energy			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS PO Box 128			729 // Casken ✓ Safety Meeting			
CITY STATE ZIP CODE Wellsville KS 66092			467 // KeiCar ✓			
			558 // HarBec ✓			
			675 // KeiDet ✓			

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 1100' CASING SIZE & WEIGHT 2 7/8" EUE
CASING DEPTH 1087' DRILL PIPE _____ TUBING baffle-1055' OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT 6.11 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 118 sks Portland IA cement w/ 2% gel, 5% salt, & 15# Kalseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 6.11 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

Handwritten signature

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	40 mi	MILEAGE	286.00	
CE0711	min	you mileage	660.00	
WE0853	4 hrs	80 Vac	400.00	
		trucks	2846.00	
		- 45%	1280.70	
		subtotal		1565.30
CC5840	118 sks	Portland IA cement	1593.00	
CC5965	398 #	Gel	119.40	
CC6077	590 #	Kalseal	295.00	
CC5320	248 #	Salt	248.00	
CP8170	1	2 1/2" rubber plug	45.00	
		Materials	2300.40	
		- 45%	1035.18	
		subtotal		1265.22
		7.5%		94.89
		SALES TAX		94.89
		ESTIMATED TOTAL		2925.41
				(5318.93)

SCANNED
7-18 AM

Ravin 3737

AUTHORIZATION Bryan Mills 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.