

Woodson County, KS
Well: Section 35 AI-22
Lease Owner: AltaVista

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

Commenced Spudding:
7/26/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-26	Soil-Clay	26
118	Shale	144
12	Lime	156
10	Sand	166
38	Lime	204
41	Shale	245
3	Lime	248
2	Shale	250
91	Lime	341
3	Shale	344
22	Lime	366
42	Sandy Lime	408
10	Lime	418
10	Shale	428
6	Sand	434
8	Shale	442
6	Lime	448
3	Shale	451
7	Lime	458
14	Sand	472
4	Lime	476
7	Shale	483
65	Lime	548
7	Shale	555
21	Lime	576
3	Shale	579
20	Lime	599
2	Shale	601
5	Lime	606
162	Shale	768
7	Lime	775
15	Shale	790
9	Lime	799
8	Shale	807
10	Sand	817
18	Shale	835
8	Sand	843
19	Shale	862
2	Lime	864
6	Shale	870

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[illegible]

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. AI-22

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

27453

2" Set _____ 2" Pulled _____

-1-

Thickness of Strata	Formation	Total Depth	Remarks
0-26	soil-clay	26	
118	Shale	144	
12	Lime	156	
10	sand	166	limey
38	Lime	204	
41	Shale	245	
3	Lime	248	
2	Shale	250	
91	Lime	341	
3	Shale	344	
22	Lime	366	
42	sandy lime	408	white
10	Lime	418	
10	Shale	428	
6	sand	434	no oil
8	Shale	442	
6	Lime	448	
3	Shale	451	
7	Lime	458	
14	sand	472	no oil
4	Lime	476	
7	Shale	483	
65	Lime	548	
7	Shale	555	
21	Lime	576	
3	Shale	579	
20	Lime	599	

599

Thickness of Strata	Formation	Total Depth	Remarks
2	Shale	601	
5	Lime	606	
162	Shale	768	
7	Lime	775	
15	Shale	790	
9	Lime	799	
8	Shale	807	
10	Sand	817	slight oil show
18	Shale	835	
8	Sand	843	good oil show
19	Shale	862	
2	Lime	864	
6	Shale	870	
9	Lime	879	
13	Shale	892	
3	Lime	895	
16	Shale	911	
6	Lime	917	
17	Shale	934	
4	Lime	938	
16	Shale	954	
17	Sand	971	odor - no oil show
16	Sandy shale	987	
1	Lime	988	
3	Shale	991	
1	Sand	992	broken - good saturation
1	Sandy Lime	993	no oil

993

[illegible]



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#

813762

Invoice Date: 07/31/18

Terms: Net 30

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ALTAVISTA ENERGY INC

PO BOX 128
WELLSVILLE KS 66092
USA
7858834057

SECTION 35 #AI-22

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	45.000	825.00
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
WE0853	80 BBL Vacuum Truck (Cement Services)	2.500	100.0000	45.000	137.50
CC5840	Poz-Blend I A (50:50)	135.000	13.5000	45.000	1,002.38
CC5965	Bentonite	327.000	0.3000	45.000	53.96
CC5326	Sodium Chloride, Salt	284.000	1.0000	45.000	156.20
CC6077	Kolseal	675.000	0.5000	45.000	185.63
CC6128	Mud Flush - C	1.000	25.0000	45.000	13.75
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75

Subtotal 5,022.10

Discounted Amount 2,259.95

SubTotal After Discount 2,762.15

Amount Due 5,218.01 If paid after 08/30/18

Tax: 107.75

Total: 2,869.92



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

JM-11236
PO-17526
FT-11125

TICKET NUMBER **54088**

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #813762

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7/30/18	3244	Section 35 # A1-22	SE 35	23	16	WO
CUSTOMER <u>Attawista 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>Cas Ken</u>	<u>✓</u>	<u>Safety Meeting</u>
			<u>495</u>	<u>Har Bec</u>	<u>✓</u>	
			<u>558</u>	<u>Ralph Earls</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 1088' DRILL PIPE _____ TUBING baffle-1058' OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 30'
DISPLACEMENT 6.12 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: hold safety meeting, established circulation, mixed & pumped 1/2 gal Mud Flush-C Polymer, circulated well to condition hole, mixed & pumped 100 # Gel followed by 5 bbls fresh water, mixed & pumped 135 sks Portland IA cement w/ 2% gel, 5% salt, & 5 # Kolbeal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 6.12 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

Handwritten signature/initials

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	—	MILEAGE	—	
CE0711	min	ton mileage	600.00	
WE0853	2.5 hrs	80 Vac	250.00	
		trucks	2410.00	
		- 45%	1084.50	
		subtotal		1325.50
CC5840	135 sks	Portland IA cement	1822.50	
CC5965	327 #	Gel	98.10	
CC5326	284 #	Salt	284.00	
CC6077	675 #	Kolbeal	337.50	
CP8176	1	2 1/2" rubber plug	45.00	
CC6128	1/2 gal	Mud Flush-C Polymer	25.00	
		materials	2612.10	
		- 45%	1175.45	
		subtotal		1436.65
		7.5%	SALES TAX	107.75
		ESTIMATED TOTAL		2869.95

SCANNED

Ravin 3737

AUTHORIZATION Buy on cell TITLE _____ DATE (5218.01)

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.