

Woodson County, KS
Well:Section 35 A-14
Lease Owner:AltaVista

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

Commenced Spudding:
3/23/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-14	Soil-Clay	14
151	Shale	165
27	Lime	192
6	Shale	198
16	Lime	214
26	Shale	240
148	Lime	388
3	Shale	391
6	Lime	397
38	Sandy Lime	435
11	Lime	446
17	Shale	463
18	Lime	481
5	Shale	486
4	Lime	490
14	Shale	504
36	Lime	540
14	Sandy Lime	554
18	Lime	572
9	Shale	581
42	Lime	623
171	Shale	794
6	Lime	800
18	Shale	818
8	Lime	826
7	Shale	833
9	Sandy Lime	842
42	Shale	884
2	Lime	886
5	Shale	891
10	Lime	901
16	Shale	917
3	Lime	920
16	Shale	936
13	Shale & Lime	949
5	Shale	954
4	Lime	958
11	Shale	969
2	Lime	971
4	Shale	975

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 $BPH \times PSI \times .0004$

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-14

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-14
 Elevation 1034
 Commenced Spuding 3-23 20 18
 Finished Drilling 4-2 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, 4455 ft.
 Distance from E line, 4455 ft.
7 sacks
12 hrs
5 5/8 borehole
2 7/8 casing

CASING AND TUBING
 RECORD

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
7 1/2" Set 44 6 1/2" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
1011-		Seat nipple			
1042.60		Baffle		27	8
1074.35		Float			
1100		TD			

Thickness of Strata	Formation	Total Depth	Remarks
0-14	soil-clay	14	
151	Shale	165	
27	Lime	192	
6	Shale	198	sandy
16	Lime	214	
26	Shale	240	red bed
148	Lime	388	water
3	Shale	391	
6	Lime	397	
38	sandy Lime	435	white - alot of water
11	Lime	446	
17	Shale	463	
18	Lime	481	
5	Shale	486	sandy
4	Lime	490	
14	Shale	504	
36	Lime	540	
14	sandy Lime	554	water
18	Lime	572	
9	Shale	581	
42	Lime	623	
171	Shale	794	
6	Lime	800	
18	Shale	818	
8	Lime	826	
7	Shale	833	
9	sandy Lime	842	odor - slight slow in bottom

842

Thickness of Strata	Formation	Total Depth	Remarks
42	Shale	884	
2	Lime	886	
5	Shale	891	
10	Lime	901	
16	Shale	917	
3	Lime	920	
16	Shale	936	
13	Shale & Lime	949	
5	Shale	954	
4	Lime	958	
11	Shale	969	
2	Lime	971	
4	Shale	975	
12	Sand	987	broken-odor-no show
27	sandy shale	1014	
1	Lime	1015	
9	Sand	1024	broken-good oil show
76	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#

812812

Invoice Date: 04/05/18

Terms: Net 30

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ALTAVISTA ENERGY INC

PO BOX 128
 WELLSVILLE KS 66092
 USA
 7858834057

SECTION 35 #A-14

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	1.000	0.0000	0.000	0.00
CE0711	Minimum Cement Delivery Charge	1.000	440.0000	45.000	242.00
WS2402	Water Transport (Cement Service)	4.000	120.0000	45.000	264.00
CC5840	Poz-Blend I A (50:50)	149.000	13.5000	45.000	1,106.33
CC5965	Bentonite	450.000	0.3000	45.000	74.25
CC5326	Sodium Chloride, Salt	313.000	1.0000	45.000	172.15
CC6077	Kolseal	745.000	0.5000	45.000	204.88
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75

Subtotal 5,297.00

Discounted Amount 2,383.65

SubTotal After Discount 2,913.35

Amount Due 5,512.78 If paid after 05/05/18

Tax: 118.67

Total: 3,032.03



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

10354
10244

TICKET NUMBER 53961
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 812812

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/2/18	3244	Section 35 #A-14	NW 35	23	16	WO
CUSTOMER Attavista Energy						
MAILING ADDRESS PO Box			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Wellsville			72A	Casper	✓ Safety Meeting	
STATE KS			467	Kei Car	✓	
ZIP CODE 66092			804	HarBec	✓ 680-T90	Rya Hay
			503	Kei Car	✓	

JOB TYPE long string HOLE SIZE 5 7/8" HOLE DEPTH 1100' CASING SIZE & WEIGHT 2 7/8" EVE
 CASING DEPTH 1075' DRILL PIPE _____ TUBING baffle - 1043' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 32'
 DISPLACEMENT 6.04 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: hold safety meeting, established circulation, mixed + pumped 200# Gel followed by 5 bbls fresh water, mixed + pumped 149 sks Pozblend 1A cement w/ 2% gel, 5% salt, + 5 #Kol seal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 6.04 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

*TOS

[Signature]

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	on lease	MILEAGE		
CE0711	2 1/2 min	ton mileage	440.00	
WS2402	4 hrs	Transport	480.00	
		trucks	2420.00	
		%	1089.00	
		subtotal		1331.00
CC5840	149 sks	Pozblend 1A cement	2011.50	
CC5965	450 #	Gel	135.00	
CC5326	313 #	Salt	313.00	
CC6077	745 #	Kolseal	372.50	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	2877.00	
		%	1294.65	
		subtotal		1582.35
		7.5%		
		SALES TAX		118.65
		ESTIMATED TOTAL		3032.03

Ravin 3737

AUTHORIZATION Bryan Miller TITLE _____ DATE (5512.78)

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