

Woodson County, KS
Well: Jones A-2
Lease Owner: AltaVista

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

Commenced Spudding:
9/18/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-18	Soil-Clay	18
130	Shale	148
6	Lime	154
21	Limey Sand	175
34	Lime	209
62	Shale	271
24	Lime	295
5	Shale	300
55	Lime	355
6	Shale	361
19	Lime	380
33	Lime	413
18	Lime	431
3	Shale	434
2	Lime	436
12	Sandy Shale	448
32	Lime	480
11	Sand & Shale	491
68	Lime	559
6	Shale	565
51	Lime	616
167	Shale	783
6	Lime	789
17	Shale	806
10	Lime	816
27	Shale	843
20	Sand & Shale	863
15	Shale	878
3	Lime	881
4	Shale	885
8	Lime	893
14	Shale	907
3	Lime	910
16	Shale	926
7	Lime	933
14	Shale	947
4	Lime	951
47	Shale	998
1	Lime	999
3	Shale	1002

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-2

Farm Jones

KS
(State)

Woodson
(County)

1
(Section)

24
(Township)

16
(Range)

For Altavista Energy LLC
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Jones Farn: Woodson County

KS State; Well No. A-2

Elevation 1063

Commenced Spuding 9-18 20 18

Finished Drilling 9-20 20 18

Driller's Name Wesley Dillard

Driller's Name Ryan Ward

Driller's Name

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

1 24 16

(Section) (Township) (Range)

Distance from S line, 4200 ft.

Distance from E line, 4690 ft.

5 sacks

11 hrs

5 7/8 borehole

2 1/8 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

Table with 6 columns: Feet, In., Feet, In., Feet, In. Handwritten entries include 1064 Ballie, 1097 float, 1120 TD, 928 seat nipple, and 2 1/8.

Thickness of Strata	Formation	Total Depth	Remarks
0-18	soil - clay	18	
130	Shale	148	
6	Lime	154	
21	limey sand	175	
34	Lime	209	
62	Shale	271	
24	Lime	295	
5	Shale	300	
55	Lime	355	
6	Shale	361	
19	Lime	380	
33	Lime	413	shells
18	Lime	431	
3	Shale	434	
2	Lime	436	
12	sandy shale	448	
32	Lime	480	Some sand - no O.I
11	sand & shale	491	no O.I
68	Lime	559	
6	Shale	565	
51	Lime	616	
167	Shale	783	
6	Lime	789	
17	Shale	806	
10	Lime	816	
27	Shale	843	
20	sand & shale	863	



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# 814197

Invoice Date: 09/25/18 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC
 PO BOX 128 JONES #A-2
 WELLSVILLE KS 66092
 USA
 7858834057

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)	2.000	100.0000	45.000	110.00
CC5840	Poz-Blend I A (50:50)	127.000	13.5000	45.000	942.98
CC5965	Bentonite	413.000	0.3000	45.000	68.15
CC5326	Sodium Chloride, Salt	267.000	1.0000	45.000	146.85
CC6077	Kolseal	635.000	0.5000	45.000	174.63
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75

Subtotal 5,113.90
 Discounted Amount 2,301.26
 SubTotal After Discount 2,812.64

Amount Due 5,298.99 If paid after 10/25/18

Tax: 101.80
 Total: 2,914.46



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

11663
11546

TICKET NUMBER 55456
LOCATION Offawa, KS
FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #814197

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY			
9/20/18	3244	Jones # A-2	NW 1	24	16	WO			
CUSTOMER <u>Altavista 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>Car Ken</u>		<u>Safety Meeting</u>			
		<u>495</u>		<u>Har Bec</u>					
		<u>804</u>		<u>Geo Tay</u>					
		<u>675</u>		<u>Kei Det</u>					

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 1120' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 1097' DRILL PIPE _____ TUBING baffle - 1064' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 33'
 DISPLACEMENT 6.16 bbl 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 127 sks Pozblend IA cement w/ 2% gel, 5% salt, + 5 # Kalseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 6.16 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

AKG

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	van mileage	600.00	
WE0853	2 hrs	80 Vac	200.00	
		trucks	2646.00	
		- 45%	1190.70	
		subtotal		1455.30
18163 CC5840	127 sks	Pozblend IA cement	1714.50	
CC5965	413 #	Gel	123.90	
CC5326	267 #	Salt	267.00	
CC16077	635 #	Kalseal	317.50	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	2467.90	
		- 45%	1110.56	
		subtotal		1357.34
SCANNED				
		7.5%	SALES TAX	101.80
			ESTIMATED TOTAL	2914.40
			DATE	(5298.99)

Ravin 3737

AUTHORIZATION Buyer Mike 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.