

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

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

Commenced Spudding:  
 9/14/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-20	Soil-Clay	20
125	Shale	145
11	Lime	156
17	Sand	173
37	Lime	210
59	Shale	269
25	Lime	294
6	Shale	300
61	Lime	361
4	Shale	365
12	Lime	377
49	Lime	426
8	Shale	434
11	Sand	445
4	Shale	449
110	Lime	559
6	Shale	565
52	Lime	617
165	Shale	782
9	Lime	791
16	Shale	807
9	Lime	816
61	Shale	877
2	Lime	879
4	Shale	883
13	Lime	896
9	Shale	905
4	Lime	909
15	Shale	924
5	Lime	929
16	Shale	945
4	Lime	949
11	Shale	960
1	Lime	961
35	Shale	996
2	Lime	998
1	Shale	999
16	Sand	1015
105	Sandy Shale	1120-TD

# 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. AI-2

Farm Jones

KS Woodson  
(State) (County)

1 24 16  
(Section) (Township) (Range)

For Altavista Energy inc  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Jones Farm: Woodson County  
KS State; Well No. AI-2

Elevation 1061

Commenced Spudding 9-14 .20 18

Finished Drilling 9-18 .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

1 24 16

(Section) (Township) (Range)

Distance from 5 line, 3870 ft.

Distance from E line, 4690 ft.

5 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 40 6 1/2" Pulled \_\_\_\_\_  
 4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_  
 2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

**CASING AND TUBING MEASUREMENTS**

Feet	In.	Feet	In.	Feet	In.
1069		Baffle			
1102		Flout		2 7/8	
1120		TD			

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49	Lime	426	Shells
8	Shale	434	
11	Sand	445	no Oil
4	Shale	449	
110	Lime	559	some sand - no Oil
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52	Lime	617	
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905

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15	Shale	924	
5	Lime	929	
16	Shale	945	
4	Lime	949	
11	Shale	960	
1	Lime	961	
35	Shale	996	
2	Lime	998	
1	Shale	999	
16	sand	1015	broken - good Oil Show
105	sandy shale	1120	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# 814144

Invoice Date: 09/20/18 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC  
 PO BOX 128  
 WELLSVILLE KS 66092  
 USA  
 7858834057

JONES #AI-2

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)	125.000	13.5000	45.000	928.13
CC5965	Bentonite	310.000	0.3000	45.000	51.15
CC5326	Sodium Chloride, Salt	263.000	1.0000	45.000	144.65
CC6077	Kolseal	625.000	0.5000	45.000	171.88
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75
CC6128	Mud Flush - C	0.500	50.0000	45.000	13.75

Subtotal 4,836.00  
 Discounted Amount 2,176.20  
 SubTotal After Discount 2,659.80

Amount Due 5,017.95 If paid after 10/20/18

Tax: 100.07  
 Total: 2,759.88



PRESSURE PUMPING LLC

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

11610  
11496

TICKET NUMBER 55445

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT  
CEMENT

Invoice #81414

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY			
9/18/18	3244	Jones # AI-2	NW1	24	16	WO			
CUSTOMER Altavista Energy									
MAILING ADDRESS PO Box 128									
CITY Wellsville		STATE KS	ZIP CODE 66092						
		TRUCK #		DRIVER		TRUCK #		DRIVER	
		729		Cashen		Safety		Meeting	
		495		Har. Bec					
		548		Kei Car					
		675		Kei Det					

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 1120' CASING SIZE & WEIGHT 2 7/8" EVE  
 CASING DEPTH 1102' DRILL PIPE \_\_\_\_\_ TUBING baffle - 1069 OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 33'  
 DISPLACEMENT 6.19 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal Mod Flush C Polymer & circulated to condition hole, mixed & pumped 100# Gel followed by 5 bbls fresh water, mixed & pumped 125 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/ 6.19 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		MILEAGE		
CE0711	min	ton mileage	660.00	
WE0853	2.5 hrs	PO Vac	250.00	
		trucks	2410.00	
		-45%	1084.50	
		subtotal		1325.50
CC5840	125 sks	Pozblend IA cement	1687.50	
CC5965	310 #	Gel	93.00	
CC5326	263 #	Salt	263.00	
CC6077	625 #	Kalseal	312.50	
CP8176	1	2 1/2" rubber plug	45.00	
CC6128	1/2 gal	Mod Flush C Polymer	25.00	
		materials	2426.00	
		-45%	1091.70	
		subtotal		1334.30
		7.5%		
		SALES TAX		100.07
		ESTIMATED TOTAL		2759.88
				(5017.95)

SCANNED

Ravin 3737  
 AUTHORIZATION Bryan Kelly 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.