

Woodson County, KS
Well: Alexander East A-1
Lease Owner: AltaVista

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

Commenced Spudding:
9/20/2018

WELL LOG

Thickness of Strata	Formation	Total Depth
0-20	Soil-Clay	20
145	Shale	165
9	Lime	174
18	Sand	192
41	Lime	233
31	Shale	264
43	Lime	307
3	Shale	310
68	Lime	378
7	Shale	385
11	Lime	396
34	Lime	430
15	Lime	445
24	Shale	469
109	Lime	578
6	Shale	584
45	Lime	629
4	Shale	633
2	Lime	635
167	Shale	802
6	Lime	808
18	Shale	826
10	Lime	836
8	Shale	844
8	Sand	852
49	Shale	901
1	Lime	902
10	Shale	912
7	Lime	919
10	Shale	929
7	Lime	936
12	Shale	948
5	Lime	953
14	Shale	967
8	Lime	975
7	Shale	982
1	Lime	983
9	Shale	992
5	Sand	997
25	Shale	1022

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-1

Farm Alexander East

KS Woodson
(State) (County)

2 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

Alexander
East Farm: Woodson County
KS State: Well No. A1

Elevation 1075

Commenced Spuding Sept 20 20 18

Finished Drilling Sept 27 20 18

Driller's Name Wesley Dalfard

Driller's Name Ryan Ward

Driller's Name

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

2 24 16

(Section) (Township) (Range)

Distance from S line, 3020 ft.

Distance from E line, 390 ft.

5 sacks
13 hrs
5 7/8 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.
1018		Seat nipple			
1084		Baffle		2 7/8	
1117		Float			
1140		TD			

Thickness of Strata	Formation	Total Depth	Remarks
0-20	soil - clay	20	
145	Shale	165	
9	Lime	174	
18	sand	192	no oil
41	Lime	233	
31	Shale	264	
43	Lime	307	
3	Shale	310	
68	Lime	378	
7	Shale	385	
11	Lime	396	
34	Lime	430	shells
15	Lime	445	brown
24	Shale	469	some sand - no oil
109	Lime	578	
6	Shale	584	
45	Lime	629	
4	Shale	633	
2	Lime	635	
167	Shale	802	
6	Lime	808	
18	Shale	826	
10	Lime	836	
8	Shale	844	
8	sand	852	grey - no oil
49	Shale	901	
1	Lime	902	

902

Thickness of Strata	Formation	Total Depth	Remarks
10	Shale	912	
7	Lime	919	
10	Shale	929	
7	Lime	936	
12	Shale	948	
5	Lime	953	
14	Shale	967	
8	Lime	975	
7	Shale	982	982
1	Lime	983	
9	Shale	992	
5	Sand	997	broken - slight oil show
25	Shale	1022	
3	Sand	1025	solid
4	Sand	1029	broken
5	Sand	1034	solid
106	Sandy shale	1140	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# 814240

Invoice Date: 09/28/18 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC
 PO BOX 128
 WELLSVILLE KS 66092
 USA
 7858834057

ALEXANDER EAST #A-1

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	0.500	660.0000	45.000	181.50
WE0853	80 BBL Vacuum Truck (Cement Services)	1.500	100.0000	45.000	82.50
CC5840	Poz-Blend I A (50:50)	133.000	13.5000	45.000	987.53
CC5965	Bentonite	423.000	0.3000	45.000	69.80
CC5326	Sodium Chloride, Salt	279.000	1.0000	45.000	153.45
CC6077	Kolseal	665.000	0.5000	45.000	182.88
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	45.000	24.75

Subtotal 4,558.90
 Discounted Amount 2,051.51
 SubTotal After Discount 2,507.39

Amount Due 4,752.32 If paid after 10/28/18

Tax: 106.38
 Total: 2,613.79



11710
11892

TICKET NUMBER 55471
LOCATION Ottawa, KS
FOREMAN Casey Kennedy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 814240

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9/27/18	3244	Alexander East # A-1	NE 2	24	16	WO
CUSTOMER <u>Attacista Energy</u>						
MAILING ADDRESS <u>PO Box 128</u>						
CITY <u>Wallsville</u>		STATE <u>KS</u>	ZIP CODE <u>66092</u>			
		TRUCK #	DRIVER	TRUCK #	DRIVER	
		<u>729</u>	<u>CarKen</u>	<u>✓</u>	<u>Safety Meeting</u>	
		<u>467</u>	<u>Kei Car</u>	<u>✓</u>		
		<u>804</u>	<u>Har Bec</u>	<u>✓</u>		
		<u>675</u>	<u>Kei Det</u>	<u>✓</u>		

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 1140' CASING SIZE & WEIGHT 2 7/8"
 CASING DEPTH 1113' DRILL PIPE _____ TUBING baffle - 1082' OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31'
 DISPLACEMENT 6.26 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 133 sks Portland IA cement w/ 2% gel, 5% salt, + 5 # Kalsol per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 6.26 bbls fresh water, pressured to 800 PSI, released pressure to set float valve.

Signature

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002		MILEAGE		
CE0711	1/2 min	ten mileage	330.00	
WE0853	1.5 hrs	80 lbc	150.00	
		trucks	1980.00	
		-45%	891.00	
		Subtotal		1089.00
CC5840	133 sks	Portland IA cement	1795.50	
CC5965	423 #	Gel	126.90	
CC5326	279 #	Salt	279.00	
CC6077	665 #	Kalsol	332.50	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	2578.90	
		-45%	1160.51	
		Subtotal		1418.39
		7.5%	SALES TAX	106.38
			ESTIMATED TOTAL	2613.79
				(4752.32)

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.