

Miami County, KS

Town Oilfield Service, Inc.

Commenced Spudding:

Well: Rebel A-1

(913) 837-8400

7-6-2015

Lease Owner: Altavista Energy

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 6	Soil - Clay	6
23	Lime	29
3	Shale	32
15	Lime	47
25	Shale	72
18	Lime	90
17	Shale	107
4	Lime	111
38	Shale	149
13	Lime	162
14	Shale	176
11	Lime	187
4	Shale	191
11	Lime	202
8	Shale	210
19	Lime	229
4	Shale	233
2	Lime	235
1	Shale	236
13	Lime	249
4	Shale	253
1	Limey Sand	254
8	Sand	262
2	Sand	264
12	Shale	276
5	Sandy Shale	281
5	Shale	286
6	Sandy Shale	292
77	Shale	369
6	Sandy Shale	375
34	Shale	409
1	Lime	410
19	Shale	429
1	Lime	430
19	Shale	449
6	Lime	455
3	Shale	458
2	Lime	460
10	Shale	470
8	Lime	478

Lease Owner: Altavista Energy

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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 $BPH \times PSI \times .0004$

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 Rebel

KS Miami
(State) (County)

30 16 24
(Section) (Township) (Range)

For Altavista Energy
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East
Louisburg, KS 66053
913-710-5400

Thickness of Strata	Formation	Total Depth	Remarks
0-6	soil-clay	6	
23	Lime	29	
3	Shale	32	
15	Lime	47	
25	Shale	72	
18	Lime	90	
17	Shale	107	
4	Lime	111	redbed
38	Shale	149	
13	Lime	162	
14	Shale	176	
11	Lime	187	
4	Shale	191	
11	Lime	202	
8	Shale	210	
19	Lime	229	
4	Shale	233	
2	Lime	235	
1	Shale	236	
13	Lime	249	Hertha
4	Shale	253	
1	limy sand	254	
8	sand	262	
2	sand	264	gas
12	Shale	276	grey
5	sandy shale	281	
5	Shale	286	

286			Remarks
Thickness of Strata	Formation	Total Depth	
6	sandy shale	292	
77	shale	369	
6	sandy shale	375	
34	shale	409	
1	lime	410	
19	shale	429	
1	lime	430	
19	shale	449	
6	lime	455	
3	shale	458	
2	lime	460	
10	shale	470	
8	lime	478	odor
3	shale	481	
4	sand	485	odor
11	shale	496	
5	lime	501	
7	shale	508	
4	lime	512	
7	shale	519	
1	lime	520	
4	shale	524	
7	lime	531	
12	shale	543	
4	lime	547	
8	shale	555	
1	lime	556	

[illegible]



CONSOLIDATED
Oil Well Services, LLC

REMIT TO

Consolidated Oil Well Services, LLC
Dept:970
P.O.Box 4346
Houston, TX 77210-4346

MAIN OFFICE

P.O.Box 884
Chanute, KS 66720
620/431-9210, 1-800/467-8676
Fax 620/431-0012

Invoice

Invoice#

804979

Invoice Date: 07/20/15

Terms: Net 30

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ALTAVISTA ENERGY INC

4595 K-33 HWY, PO BOX 128
WELLSVILLE KS 66092
USA
7858834057

REBEL # A-1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	46.000	810.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	46.000	115.83
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	46.000	356.40
WE0853	80 BBL Vacuum Truck (Cement Services)	2.000	100.0000	46.000	108.00
CC5840	Poz-Blend I A (50:50)	90.000	13.5000	46.000	656.10
CC5965	Bentonite	454.000	0.3000	46.000	73.55

Subtotal 3,925.70

Discounted Amount 1,805.82

SubTotal After Discount 2,119.88

Amount Due 4,033.80 If paid after 08/19/15

Tax: 58.37

Total: 2,178.25

CONSOLIDATED
Oil Well Services, LLC

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

Invoice # 804979 ³⁵¹⁹/₃₄₄₅

TICKET NUMBER 49709
LOCATION Ottawa KS
FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-13-15	3244	Rebel # A-1	NW 30	16	24	M1
CUSTOMER						
Altavista Energy						
MAILING ADDRESS						
P.O. Box 128						
CITY	STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
Wellsville	KS	66092	712	Fremad		
			368	Arl McD		
			675	Ki Det		
			510	Ten Har		

JOB TYPE <u>Plug</u>	HOLE SIZE <u>5 1/2" - 6 3/4"</u>	HOLE DEPTH <u>720'</u>	CASING SIZE & WEIGHT <u>N/A</u>
CASING DEPTH _____	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT _____	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING <u>Full</u>
DISPLACEMENT <u>N/A</u>	DISPLACEMENT PSI _____	MIX PSI _____	RATE <u>1-1 1/2 BPM</u>

REMARKS: Hold Safety meeting. Rig run 1" tubing to TD. ~~20~~ Spat 30 SKS @ TD. Pull to 500'. Spat 20 SKS Cement. Pull 1" to 250'. Fill to surface w/ Cement. Pull remaining 1" tubing. Top off well w/ Cement. Wash out 1" tubing.

Total 90 GRS Por Blend I.A. Content 6% Gel

TOS Drilling

Fred Madden

[illegible]

RevId: 3737

AUTHORIZTION

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