

Miami County, KS
Well: Owen A-53
Lease Owner: Altavista Energy

Town Oilfield Service, Inc.
(913) 837-8400

Commenced Spudding:
8-29-14

WELL LOG

Thickness of Strata	Formation	Total Depth
0-4	Soil & Clay	4
6	Lime	10
14	Shale	24
7	Lime	31
40	Shale	71
15	Lime	86
96	Shale	95
29	Lime	124
8	Shale	132
24	Lime	156
5	Shale	161
3	Lime	164
2	Shale	166
6	Lime	172
22	Shale	194
43	Sand	237
36	Shale	273
5	Sand	278
28	Shale	306
7	Lime	313
11	Sandy Shale	324
6	Shale	330
8	Lime	338
7	Shale & Lime	345
5	Shale	350
14	Sandy Shale	364
24	Shale	388
5	Lime	393
13	Shale	406
3	Lime	409
14	Shale	423
9	Lime	432
18	Shale	450
3	Lime	453
4	Shale	457
7	Lime	464
4	Shale	468
5	Sand	473
25	Sandy Shale	498
39	Shale	537

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-53

Farm Owen

KS
(State)

Miami
(County)

8
(Section)

18
(Township)

22
(Range)

For Allavista Energy inc
(Well Owner)

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
0-4	soil-clay	4	
6	Lime	10	
14	Shale	24	
7	Lime	31	
40	shale	71	
15	Lime	86	
9	shale	95	
29	Lime	124	
8	shale	132	
24	Lime	156	
5	shale	161	
3	Lime	164	
2	shale	166	
6	Lime	172	Hertha
22	Shale	194	
43	sand	237	sandy shale - no Oil
36	shale	273	
5	sand	278	no Oil
28	shale	306	
7	Lime	313	sandy
11	sandy shale	324	
6	Shale	330	
8	Lime	338	
7	shale & Lime	345	
5	Shale	350	
14	sandy shale	364	
24	shale	388	

388

Thickness of Strata	Formation	Total Depth	Remarks
5	Lime	393	
13	shale	406	
3	Lime	409	
14	shale	423	
9	Lime	432	
18	shale	450	
3	Lime	453	
4	shale	457	
7	Lime	464	
4	shale	468	
5	sand	473	
25	sandy shale	498	slight show - broken
39	shale	537	
8	sand	545	odor - no show
23	shale	568	
2	shale & Lime	570	
6	shale	576	
2	sandy shale	578	
1	sand	579	oil
16	core	595	page 6
21	shale	616	
44	sand	660	water - TD



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 # 270832

Invoice Date: 08/31/2014 Terms: 0/30/10,n/30

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ALTAVISTA ENERGY INC
4595 K-33 HIGHWAY
P.O. BOX 128
WELLSVILLE KS 66092
(785) 883-4057

OWENS #A-53
48161
NE8-18-22
8-29-14
KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	72.00	11.5000	828.00
1118B	PREMIUM GEL / BENTONITE	221.00	.2200	48.62
1111	SODIUM CHLORIDE (GRANULA	139.00	.3900	54.21
1110A	KOL SEAL (50# BAG)	360.00	.4600	165.60
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-328.93

	Description	Hours	Unit Price	Total
368	CEMENT PUMP	1.00	1085.00	1085.00
368	EQUIPMENT MILEAGE (ONE WAY)	25.00	4.20	105.00
368	CASING FOOTAGE	638.00	.00	.00
558	MIN. BULK DELIVERY	1.00	368.00	368.00
675	80 BBL VACUUM TRUCK (CEMENT)	2.00	100.00	200.00

Amount Due 2970.07 if paid after 09/10/2014

Parts:	1125.93	Freight:	.00	Tax:	60.98	AR	2615.98
Labor:	.00	Misc:	.00	Total:	2615.98		
Sublt:	-328.93	Supplies:	.00	Change:	.00		

Signed _____

Date _____



CONSOLIDATED
Oil Well Services, LLC

270832

TICKET NUMBER 48161
LOCATION Ottawa
FOREMAN Alan Mader

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-29-14	3244	Deers # A-53	NE 8	18	22	Mi
CUSTOMER Alvarista Energy			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS P.O. Box 128			730	Alan Mader	368	Sa Fet, Mader
CITY Wellsville		STATE KS	625	Ke: Det		
		ZIP CODE 66092	558	Brub: r		

JOB TYPE long string HOLE SIZE 5 5/8 HOLE DEPTH 660 CASING SIZE & WEIGHT 2 7/8
CASING DEPTH 638 DRILL PIPE _____ TUBING _____ OTHER 607 lb
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT IN CASING yes
DISPLACEMENT 3.53 DISPLACEMENT PSI 800 MIX PSI 200 RATE 46 pm

REMARKS: Held meeting. Established rate. Mixed & pumped 100 # gel followed by 72 sk 50150 cement plus 270 gal, 5% salt, 5# kol seal per sack. Circulated cement. Flushed pump. Pumped plug to baffle well held 800 PSI. Set float.

TDS was

Alan Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	368	1085.00
5406	25	MILEAGE	368	105.00
5402	638	casing footage	368	—
5407	min	ten miles	358	368.00
5502L	2	80 vac	675	200.00
1124	72	50150 cement	828.00	—
1180	221#	gel	48.62	—
111	139#	salt	54.21	—
110A	360#	Kol seal	165.60	—
		material sub	1096.43	
		less 30%	-328.93	
		material total		767.50
4402	1	2 1/2 dag		29.50
			2970.00	
		SALES TAX		60.98
		ESTIMATED TOTAL		2615.98

completed

Ravin 3737

AUTHORIZATION Byron Mills 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.