

Miami County, KS

Well: Owen AI-55

Lease Owner:Altavista Energy

Town Oilfield Service, Inc.

(913) 837-8400

Commenced Spudding:

2-26-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 6	Soil - Clay	6
13	Lime	19
16	Shale	35
6	lime	41
41	Shale	82
13	Lime	95
10	Shale	105
29	Lime	134
9	Shale	143
22	Lime	165
5	Shale	170
2	lime	172
3	Shale	175
6	Lime	181
19	Shale	200
44	Sandy Shale	244
40	Shale	284
3	Sand	287
29	Shale	316
8	Sandy Lime	324
17	Shale	341
13	Lime	354
4	Shale	358
14	Sandy Shale	372
27	Shale	399
8	Lime	407
9	Shale	416
3	Lime	419
14	Shale	433
10	lime	443
18	Shale	461
2	Lime	463
4	Shale	467
8	Lime	475
7	Shale	482
18	Sand	500
13	Sandy Shale	513
74	Shale	587
1	Sandy Shale	588
3	Sand	591

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. AI-55

Farm Owen

KS Miami
(State) (County)

8 18 22
(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	
13	Lime	19	
16	Shale	35	
6	Lime	41	
41	Shale	82	
13	Lime	95	red bed
10	Shale	105	
29	Lime	134	
9	Shale	143	
22	Lime	165	
5	Shale	170	
2	Lime	172	
3	Shale	175	odor
6	Lime	181	
19	Shale	200	Heath
44	Sandy shale	244	
40	Shale	284	
3	sand	287	
29	Shale	316	grey - no oil
8	Sandy lime	324	red bed
17	shale	341	Slight show
13	Lime	354	
4	Shale	358	
14	Sandy shale	372	
27	Shale	399	
8	Lime	407	
9	Shale	416	



CONSOLIDATED
Oil Well Services, LLC

2272
2211
INVOICE # 803521

TICKET NUMBER 47369
LOCATION Ottawa, KS
FOREMAN Jim Green

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
02-27-15	3244	Owens AI-55	NE 8	18	22	MT
CUSTOMER			TRUCK #			
Alvarista Energy			DRIVER			
MAILING ADDRESS			TRUCK #			
PO Box 128			DRIVER			
CITY			TRUCK #			
Wellsville			DRIVER			
STATE			TRUCK #			
KS			DRIVER			
ZIP CODE			TRUCK #			
66092			DRIVER			

JOB TYPE Longstring HOLE SIZE 5 7/8" HOLE DEPTH 705' CASING SIZE & WEIGHT 2 1/2"
CASING DEPTH 692' DRILL PIPE 660' TUBING _____ OTHER _____
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Hold crew meeting. Establish circulation. Mix and pump 1/2 GAL Polymer to condition hole. Mix and pump 100 # Gal. Mix and pump 89SK 50% Pot mix cement with 2% Gal, 5# Kol-Seal, 5% Salt. Circulated cement to surface. Flush pump clear of cement. Pump 2 1/2" rubber plug to total depth of casing. Pressure up to 800# PSI, well held good. Set plug.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5604	25	MILEAGE		105.00
5407A	min	Ton Mileage		368.00
5302	2 HRS	WEL TR		200.00
1124	89 cu	50% Pot Mix Cement	1023.50	
1118B	250 #	Premium Gal	55.00	
1111	172 #	Granulated Salt	6.70	
1110A	445 #	Kol-Seal	204.20	
		Materials	1350.28	
		Less 50%	405.08	
		Subtotal		945.20
4402	1	2 1/2" Rubber Plug		27.50
1461	1/2 GAL	Polymer		27.63
		SALES TAX	2.65	76.37
		ESTIMATED TOTAL		2832.70

AUTHORIZATION Byron Miller TITLE _____ DATE 3/2/15

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.