Miami County, KS
Well: East Goetz A-40
Lease Owner: Altavista

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

Commenced Spudding:
9/4/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 6	Soil - Clay	6
12	Lime	18
8	Shale	26
6	Lime	32
41	Shale	73
15	Lime	88
10	Shale	98
28	Lime	126
7	Shale	133
21	Lime	154
4	Shale	158
4	Lime	162
2	Shale	164
5	Lime	169
33	Shale	202
18	Sand	220
55	Shale	275
8	Sand	283
25	Shale	308
6	Shale & Lime	314
19	Shale	333
11	Lime	344
49	Shale	393
8	Lime	401
11	Shale	412
2	Lime	414
14	Shale	428
9	Lime	437
19	Shale	456
2	Lime	458
5	Shale	463
6	Lime	469
4	Shale	473
7	Sand	480
4	Sand	484
21	Sandy Shale	505
78	Shale	583
1	Sandy Shale & Lime	584
5	Sandy Shale	589
6	Shale	595

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5	Sandy Shale	600
1	Sand	601
14	Core	615

Core		
		601
12	Shale	613
2	Sand	615

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.14xh
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 - RPMxd over SPMxR
d - SPMxRxD over RPM
SPM - RPMXD over RxD
R - RPMXD over SPMxD

BELT LENGTH - $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

* Need these to figure belt length

TO FIGURE AMPS: $\frac{\text{WATTS}}{\text{VOLTS}}$ = AMPS

746 WATTS equal 1 HP

Log Book

Well No. A-40

Farm East Goetz

KS (State) Miami (County)

9 (Section) 18 (Township) 22 (Range)

For Altavista Energy inc (Well Owner)

Town Oilfield Services, Inc.
1207 N. 1st East
Louisburg, KS 66053
913-710-5400

East Goetz Farm: Miami County

KS State; Well No. A-40

Elevation 892

Commenced Spuding Sept 4 20 14

Finished Drilling Sept 8 20 14

Driller's Name Wesley Dollard

Driller's Name Greg Perry

Driller's Name

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

9 18 22

(Section) (Township) (Range)

Distance from S line, 3785 ft.

Distance from E line, 5115 ft.

4 sacks dry hole

1 core

11 hrs

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
7 6¾" Set	20	6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.

Thickness of Strata	Formation	Total Depth	Remarks
0-6	soil - clay	6	
12	Lime	18	
8	Shale	26	
6	Lime	32	
41	Shale	73	
15	Lime	88	
10	Shale	98	
28	Lime	126	
7	Shale	133	
21	Lime	154	
4	Shale	158	
4	Lime	162	
2	Shale	164	
5	Lime	169	Hertha
33	Shale	202	
18	Sand	220	some sandy shale - no Oil
55	Shale	275	
8	Sand	283	no Oil
25	Shale	308	
6	Shale & Lime	314	
19	Shale	333	
11	Lime	344	340-344 - Oil
49	Shale	393	
8	Lime	401	
11	Shale	412	
2	Lime	414	
14	Shale	428	

428

Thickness of Strata	Formation	Total Depth	Remarks
9	Lime	437	
19	Shale	456	
2	Lime	458	
5	Shale	463	
6	Lime	469	
4	Shale	473	
7	Sand	480	broken slight show
4	Sand	484	grey - no Oil
21	Sandy Shale	505	
78	Shale	583	
1	Sandy Shale & Lime	584	
5	Sandy Shale	589	
6	Shale	595	
5	Sandy Shale	600	
1	Sand	601	odor
14	Core	615	TD - Dry hole

Core

Thickness of Strata	Formation	Total Depth	Remarks
		601	
12	Shale	613	
2	Sand	615	no Oil