

Johnson County, KS
Well: E. Gordon I-11
Lease Owner: DC:\Users\Lori\Documents\Drillers Logs\D & Z Exploration\

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

Commenced Spudding:
01/30/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
10	soil/clay	10
12	sand stone	22
285	shale	50
6	lime	56
6	shale	62
15	lime	77
9	shale	86
8	lime	94
9	shale	103
19	lime	122
17	shale	139
18	lime	157
9	shale	166
57	lime	223
20	shale	243
8	lime	251
18	shale	269
8	lime	277
5	shale	282
8	lime	290
34	shale	324
1	lime	325
11	shale	336
25	lime	361
7	shale	368
24	lime	392
5	shale	397
4	lime	401
5	shale	406
6	lime	412
6	shale	418
8	sandy shale and sand	426
97	shale	523
7	sand	530
57	shale	587
5	lime	2692
4	shale	596
3	lime	599
7	shale	606
5	lime	611

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. F 1-11

Farm East Garden

KS Johnson
(State) (County)

27 14 22
(Section) (Township) (Range)

For D+2 Exploration
(Well Owner)

Town Oilfield Services, Inc.

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

East Gardner Farm: Johansen County

CAS

KO State; Well No. # 1-11

Feet

Elevation 1042

n.

Commenced Spuding 1-30, 2014

Finished Drilling 1-31, 2014

Driller's Name Chester Weaver

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Ryan Ward

Tool Dresser's Name Jack Tamm

Tool Dresser's Name Cole Helburn

Contractor's Name TOS

27 14 22

(Section) (Township) (Range)

Distance from S line, 3160 ft.

Distance from E line, 4540 ft.

3- sack
**CASING AND TUBING
RECORD**

10" Set _____ 10" Pulled _____

7 8" Set 24 8" Pulled _____

6 1/4" Set _____ 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2 7/8" Set 9056.00 2" Pulled _____

94670

Thickness of Strata	Formation	Total Depth	Remarks
10	soil / clay	10	
12	sandstone	22	
28	shale	50	
6	lime	56	
6	shale	62	
15	lime	77	
9	shale	86	
8	lime	94	
9	shale	103	
19	lime	122	
17	shale	139	
18	lime	157	
9	shale	166	
57	lime	223	
20	shale	243	
8	lime	251	
18	shale	269	
8	lime	277	
5	shale	282	
8	lime	290	
34	shale	324	
1	lime	325	
11	shale	336	
25	lime	361	
7	shale	368	
24	lime	392	
5	shale	397	

397

Thickness of Strata	Formation	Total Depth	Remarks
4	Lime	401	
5	shale	406	
6	Lime	412	Harder
6	shale	418	
8	sandy shale	426	
97	shale	523	
7	sand	530	grey, no oil
57	shale	587	
5	Lime	592	
4	shale	596	
3	Lime	599	
7	shale	606	
5	Lime	611	
16	shale	627	
3	Lime	630	
8	shale	638	
3	Lime	641	
4	shale	645	
2	Lime	647	
32	shale	679	red bed. 653'
11	sand	690	grey, no oil
10	sand/shale	700	
51	shale	751	
5	Broken sand	756	grey, little oil
6	sand/shale	762	
17	shale	779	
2	Lime	781	

781

Thickness of Strata	Formation	Total Depth	Remarks
8	shale	789	
6	sand	795	grey, no oil
33	shale	828	
5	sand	833	grey, no oil
38	shale	871	
1	sandy lime	872	abn, 10%-20% oil, Broken
2	sandy lime	875	20% - 30% oil
2	sand	877	50% oil, good bleedings
1	lime	878	no oil
3	sand	881	50% - 60% oil
3	Broken sand	884	30% - 40% oil
1	Broken sand	885	no oil
4	sandy shale	889	
51	shale	940	TO