

Johnson County, KS
Well: E, Gordon I-3
Lease Owner: DC:\Users\Lori\Documents\Drillers Logs\D & Z Exploration\

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

Commenced Spudding:
01/31/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
10	soil/clay	10
8	sand stone	18
20	shale	38
6	lime	44
6	shale	50
15	lime	65
8	shale	73
9	lime	82
9	sandy shale	91
18	lime	109
16	shale	125
20	lime	145
8	shale	153
57	lime	210
20	shale	230
9	lime	239
19	shale\	258
7	lime	265
5	shale	270
6	lime	276
35	shale	311
2	lime	313
10	shale	323
25	lime	348
6	shale	354
24	lime	378
5	shale	383
4	lime	387
5	shale	392
6	lime	398
5	shale	403
7	sand	410
10	sandy shale	420
90	shale	510
6	sand	516
6	sandy shale	522
50	shale	572
5	lime	577
13	shale	590
5	lime	595

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times 1.4 \times h$

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. #1-3

Farm East Gordon

KS

(State)

Shannon

(County)

27

(Section)

14

(Township)

22

(Range)

For D#2 Exploration
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

East Garden Farm: Johnson County

KS State; Well No. # 1-3

Elevation 1032

Commenced Spuding 1-31 20 14

Finished Drilling 2-3 20 14

Driller's Name Chad Weaver

Driller's Name

Driller's Name

Tool Dresser's Name Jack Town

Tool Dresser's Name Cole Holcom

Tool Dresser's Name

Contractor's Name TOE

27 14 22

(Section) (Township) (Range)

Distance from S line, 3000 ft.

Distance from E line, 4400 ft.

3 - Sacks

CASING AND TUBING RECORD

10" Set Pulled

7 1/8" Set 25' Pulled

6 1/4" Set Pulled

4" Set Pulled

2 7/8" Set 903.15 Pulled

94070

CA

Feet

In.

Table with 4 columns and 10 rows for casing and tubing record.

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8	shale	73	
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16	shale	125	
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8	shale	153	
57	Lime	210	
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383			
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4	Lime	387	
5	shale	392	Heather
6	Lime	398	
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7	sand	410	
10	sandy shale	420	
90	shale	510	
6	sand	516	
6	sandy shale	522	
50	shale	572	
5	Lime	577	
13	shale	590	
5	Lime	595	
19	shale	614	
3	Lime	617	
7	shale	624	
11	limet shale	635	
103	shale	738	red bed - 640'
6	Broken sand	744	odor, little oil
10	sandy shale	754	
22	shale	776	
6	sand	782	smell, no oil
5	sandy shale	787	
73	shale	860	
2	sandy lime	862	odor, 20% - 40%, Broken
2	sand, lime	864	20% - 30% oil
2	sand	866	50% - 60% oil, sand bleedings

