

Johnson County, KS
Well: E. Gordon I-12
Lease Owner: D and Z Ex

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

Commenced Spudding:
03/19/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
6	soil/clay	6
13	sandstone	19
12	shale	31
2	lime	33
25	shale	58
7	lime	65
5	shale	70
16	lime	86
10	shale	96
8	lime	104
7	shale	111
19	lime	130
17	sandy shale and sand	147
18	lime	165
8	shale	173
57	lime	230
22	shale	252
8	lime	260
19	shale	279
8	lime	287
3	shale	290
10	lime	300
34	shale	334
1	lime	335
11	shale	346
25	lime	371
8	shale	379
23	lime	402
5	shale	407
3	lime	410
5	shale	415
7	lime	422
5	shale	427
20	sandy shale	447
86	shale	533
7	sandy shale	540
36	shale	576
5	sand and sandy shale	581
15	shale	596
6	lime	602

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 $SPM \times d$

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

* Need these to figure belt length

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

746 WATTS equal 1 HP

Log Book

Well No. # 1-12

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 Garden Farm: Johnson County

KS State; Well No. #1-12

Elevation 1047

Commenced Spuding 3-19, 20 14

Finished Drilling 3-20, 20 14

Driller's Name Chad Weaver

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Gene Holcom

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name ROS

27 14 22

(Section) (Township) (Range)

Distance from S line, 3520 ft.

Distance from E line, 4840 ft.

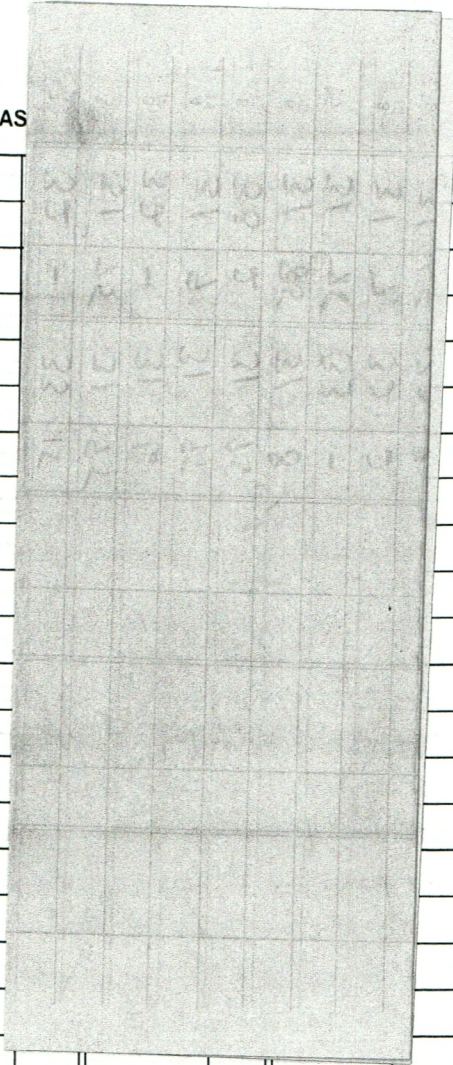
3 Secks

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
7 1/2" Set 23 3' 8" Pulled _____
6 1/4" Set _____ 6 1/4" Pulled _____
4" Set _____ 4" Pulled _____
2 1/2" Set 926 20' 2" Pulled _____
960 TD

CAS

Feet



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7	Lime	65	
5	shale	70	
16	Lime	86	
10	shale	96	
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17	sandy shale & sand	147	
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8	shale	173	
57	Lime	230	
22	shale	252	
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19	shale	279	
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Thickness of Strata	Formation	Total Depth	Remarks
23	Lime	402	
5	shale	407	
3	Lime	410	
5	shale	415	
7	Lime	422	
5	shale	427	Harder
20	sandy shale	447	
86	shale	533	
7	sandy shale	540	
36	shale	576	
5	sand & sandy shale	581	
15	shale	596	no oil
6	Lime	602	
3	shale	605	
2	Lime	607	
6	shale	613	
5	Lime	618	
9	sandy shale	627	
9	shale	636	
4	Lime	640	
9	shale	649	
7	Lime	656	
40	shale	696	red bed - 660'
26	sandy shale	722	
39	shale	761	
6	Broken sand	767	no oil
8	sandy shale	775	little oil, with some brown sand

775

Thickness of Strata	Formation	Total Depth	Remarks
15	shale	790	
3	Lime	793	
7	shale	800	
7	sand	807	grey, no oil
32	shale	839	
5	sand	844	grey, no oil
3	sandy shale	847	
35	shale	882	
3	sandy lime	885	odor, 60% - 80% oil, ok bleedings
2	sandy lime	887	15% - 20% o.i.
1	sand	888	25% o.i.
4	sand	892	30% - 40% o.i., good bleedings
1	sand	893	40% - 50% o.i.
1	sand	894	20% o.i.
2	Broken sand	896	no oil
8	sandy shale	904	
31	shale	935	
10	sand	945	
15	shale	960	TD