Johnson County, KS
Well: Meyer I-12
Lease Owner: D Z

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

Commenced Spudding:
11/6/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
16	Soil-Clay	16
7	Shale	23
6	Lime	29
8	Shale	37
14	Lime	51
9	Shale	60
9	Lime	69
8	Shale	77
25	Lime	102
3	Shale	115
22	Lime	137
11	Shale	148
16	Lime	164
16	Shale	180
28	Lime	208
16	Shale	224
8	Lime	232
22	Shale	254
10	Lime	264
3	Shale	267
6	Lime	273
34	Shale	307
1	Lime	308
12	Shale	320
25	Lime	345
10	Shale	355
23	Lime	378
3	Shale	381
3	Lime	384
6	Shale	390
7	Lime	397
174	Shale	571
4	Lime	575
14	Shale	589
7	Lime	596
17	Shale	613
3	Lime	616
134	Shale	750
8	Grey Sand	758
4	Shale	766

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6	Broken Sand	768
7	Sandy Shale	775
89	Shale	864
1	Broken Sand	865
2	Oil Sand	867
5	Broken Sand	872
6	Oil Sand	878
2	Broken Sand	880
10	Sandy Shale	890
70	Shale	960-TD

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. I-12

Farm Meyer

Kansas (State) Johnson (County)

25 (Section) 14 (Township) 22 (Range)

For D+Z Exploration (Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

_____ Farm: _____ County

_____ State; Well No. _____

Elevation _____

Commenced Spuding 11-6, 20 19

Finished Drilling 11-7, 20 19

Driller's Name _____

Driller's Name _____

Driller's Name Kenny Gann

Tool Dresser's Name Cole Holcom

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name _____

_____

(Section) (Township) (Range)

Distance from _____ line, _____ ft.

Distance from _____ line, _____ ft.

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set	20.5	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2⅜" Set	915.71	2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.

Thickness of Strata	Formation	Total Depth	Remarks
16	soil & clay	16	
7	shale	23	
6	lime	29	
8	shale	37	
14	lime	51	
9	shale	60	
9	lime	69	
8	shale	77	
25	lime	102	
3	shale	115	
22	lime	137	
11	shale	148	
16	lime	164	
16	shale	180	
28	lime	208	
16	shale	224	
8	lime	232	
22	shale	254	
10	lime	264	
3	shale	267	
6	lime	273	
34	shale	307	
1	lime	308	
12	shale	320	
25	lime	345	
10	shale	355	
23	lime	378	

Thickness of Strata	Formation	Total Depth	Remarks
3	shale	381	
3	lime	384	
6	shale	390	
7	lime	397	
174	shale	571	
4	lime	575	
14	shale	589	
7	lime	596	
17	shale	613	
3	lime	616	
134	shale	750	
8	gritty sand	758	
4	shale	762	
6	broken sand	768	like odor, no bleed,
7	sandy shale	775	
89	shale	864	
1	broken sand	865	like bleed good saturation
2	oil sand	867	great bleed
5	broken sand	872	like bleed poor saturation
6	oil sand	878	great bleed
2	broken sand	880	good bleed good saturation
10	sandy shale	890	
70	shale	960	TD