

1163017



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Johnson County, KS
 Well: Thomas B 12
 Lease Owner: ST Petroleum

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

Commenced Spudding:
 10/03/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
10	soil/clay	10
9	sandstone	19
3	shale	22
2	lime	25
89	shale	114
21	lime	135
7	shale	142
9	lime	151
7	shale	158
18	lime	176
5	shale	181
7	sand	188
5	lime	193
8	sand & sandy shale	201
25	lime	226
39	sandy shale & shale	265
2	lime	267
6	shale	273
23	lime	296
14	shale	310
8	lime	318
19	shale	337
8	lime	345
6	shale	351
5	lime	356
43	shale	399
26	lime	425
8	shale	433
23	lime	456
3	shale	459
4	lime	463
4	shale	467
5	lime	472
4	shale	476
7	sandy shale	483
92	shale	575
7	sand	582
4	sandy shale	586
50	shale	636
3	lime	639

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 $SPM \times D$

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

* 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. 12

Farm Thomas B

KS Johnson
 (State) (County)

31 14 22
 (Section) (Township) (Range)

For ST Petroleum
 (Well Owner)

Town Oilfield Services, Inc.

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

Thickness of Strata	Formation	Total Depth	Remarks
10	soil / clay	10	
9	sandstone	19	
3	shale	22	
2	Lime	25	
89	shale	114	
21	Lime	135	
7	shale	142	
9	Lime	151	Dark
7	shale	158	
18	Lime	176	
5	shale	181	
7	sand	188	
5	Lime	193	grey, no oil
8	sand & sandy shale	201	
25	Lime	226	
39	sandy shale & shale	265	
2	Lime	267	
6	shale	273	
23	Lime	296	
14	shale	310	
8	Lime	318	
19	shale	337	
8	Lime	345	
6	shale	351	
5	Lime	356	
43	shale	399	
26	Lime	425	water

Thickness of Strata	Formation	Total Depth	Remarks
8	shale	433	
23	Lime	456	
3	shale	459	
4	Lime	463	
4	shale	467	
5	Lime	472	
4	shale	476	Monthe
7	sandy shale	483	
92	shale	575	
7	sand	582	
4	sandy shale	586	no oil
50	shale	636	
3	Lime	639	
3	shale	642	
2	Lime	644	
10	shale	654	
7	Lime	661	
6	sand	667	
3	sandy shale	670	odor, little show
6	shale	676	
3	Lime	679	
2	oocal	681	
7	shale	688	
7	Lime + shale	695	
27	shale	722	
3	Lime	725	705' red bed
9	shale	734	

734

Thickness of Strata	Formation	Total Depth	Remarks
6	sand	740	gray, no oil
5	sandy shale	745	
49	shale	794	
11	sand	805	no oil, Broken
12	sandy shale	817	
10	shale	827	
3	Lime	830	
	shale	857	
1	sand	858	odor, 2% - 10% oil Broken
1	sand	859	30% dk bleeding
2	Broken sand	861	5% - 10% oil
1	Broken sand	862	20% oil
5	sandy shale	867	
3	shale	870	
4	sand	874	no oil
3	sandy shale	877	
17	shale	894	
2	sand	896	no oil
6	sand/shale	902	
1	Broken sand	903	2% oil, odor
1	Broken sand	904	10% - 15% oil
1	sand	905	35% - 40% oil, dk bleeding
1	Broken sand	906	25% oil
1	sand	907	2% oil
5	sand	912	50% - 60%
7	Broken sand	919	no oil
7	sandy shale	926	

