

Johnson County, KS
Well: Thomas 7
Lease Owner: Vernon Thomas

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

Commenced Spudding:
12/3/2012

WELL LOG

Thickness of Strata	Formation	Total Depth
10	Soil-Clay	10
47	Sandstone	57
2	Lime	59
12	Shale	71
6	Lime	77
6	Shale	83
2	Lime	85
6	Shale	91
15	Lime	106
8	Shale	114
8	Lime	122
7	Shale	129
21	Lime	150
17	Shale	167
25	Lime	192
55	Shale	247
20	Lime	267
15	Shale	282
9	Lime	291
17	Shale	308
6	Lime	314
8	Shale	322
8	Lime	330
29	Shale	359
2	Lime	361
10	Shale	371
26	Lime	397
8	Shale	405
20	Lime	425
4	Shale	429
15	Lime	444
5	Shale	449
6	Sand	455
4	Sandy Shale	459
11	Shale	470
9	Sandy Shale	479
5	Sand	484
6	Sandy Shale	490
20	Shale	560
12	Sandy Shale	572

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. 7

Farm Thomas

KS Johnson
(State) (County)

30 14 22
(Section) (Township) (Range)

For Vernon C Thomas
(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	
47	sandstone	57	
2	Lime	59	
12	shale	71	
6	Lime	77	
6	shale	83	
2	Lime	85	
6	shale	91	
15	Lime	106	
4	shale	114	
8	Lime	122	
7	shale	129	
21	Lime	150	
17	shale	167	
25	Lime	192	
55	shale	247	
20	Lime	267	
15	shale	282	
9	Lime	291	
17	shale	308	
6	Lime	314	
8	shale	322	
8	Lime	330	
29	shale	359	
2	Lime	361	
10	shale	371	
26	Lime	397	

397

Thickness of Strata	Formation	Total Depth	Remarks
8	shale	405	
20	lime	425	
4	shale	429	
15	lime	444	Harder
5	shale	449	
6	sand	455	
4	sandy shale	459	gray, no oil
11	shale	470	
9	sandy shale	479	
5	sand	484	
6	sandy shale	490	gray, no oil
20	shale	510	
12	sandy shale	522	
43	shale	565	
4	lime	569	
3	shale	572	
6	lime	578	
6	shale	584	
8	lime	592	
13	shale	605	
4	lime	609	
6	slate	615	
10	lime	625	
25	shale	700	
3	lime	703	
2	shale	705	
2	lime	707	

707

Thickness of Strata	Formation	Total Depth	Remarks
8	shale	715	
5	sand	720	gray, no oil
15	shale	735	
6	sandy shale	741	
40	shale	781	
5	broken sand	786	
4	sandy shale	790	
28	shale	818	
11	sandy shale	829	
12	shale	841	
4	sand	845	no oil
11	shale	856	
5	sand	861	gray, no oil
25	shale	886	
3	sand	889	gray, no oil
14	shale	903	
1	broken sand	904	20% oil
2	sand	906	29% - 5% oil, limy
1	sand	907	15% oil, limy
7	sandy shale	914	no oil
11	shale	925	
2	sand	927	no oil
12	shale	939	TD



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

TICKET NUMBER 38987

LOCATION Ottawa KS

FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/6/12		Thomas # 7	30	14	22	JO
CUSTOMER Vernon Thomas			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 17685 Edgerton Rd			506	Fred Mad		
CITY STATE ZIP CODE Edgerton KS 66021			495	Har Bec		
			369	Der Mos.		
			558	Bro Man		

JOB TYPE Plug HOLE SIZE 5 7/8 HOLE DEPTH 920 CASING SIZE & WEIGHT N/A
 CASING DEPTH N/A DRILL PIPE 1" TUBING to TD. OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING Full
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE 1.1 1/2 BBL/min

REMARKS: Rig run 1" tubing to TD. Spot 10 sks Cement (50')
 pull tubing to 490'. Spot 10 sks Cement (50')
 pull tubing to 350'. Fill to surface. Pull remaining
 1" tubing. Top off well. Wash out tubing.

Total 70 sks 50/50 Por Mix Cement 6 1/2 Gel

TOS Drilling

Fred Mader

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE Plug to Abandon	495	1030 ⁰⁰
5406	30 mi	MILEAGE	495	120 ⁰⁰
5407	Minimum	Ton Miles	558	350 ⁰⁰
5502C	2 hr	80 BBL Vac Truck	369	180 ⁰⁰
1124	70 sks	50/50 Por Mix Cement		766 ⁵⁰
1118B	353 #	Premium Gel		74 ¹³
				7.525%
				SALES TAX 63 ²⁴
				ESTIMATED TOTAL 2583 ⁸⁹

paid 12/6/12

SCANNED

Ravin 3737

AUTHORIZATION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.