

Franklin County, KS
Well: Hoehn 24
Lease Owner: TDR

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

Commenced Spudding:
05/27/2014

15-059-26454-00-00

WELL LOG

Thickness of Strata	Formation	Total Depth
0-40	soil/clay	40
3	lime	43
4	shale	47
16	lime	63
7	shale	70
13	lime	83
5	shale	88
16	lime	104
41	shale	1475
21	lime	166
72	shale	238
23	lime	261
26	shale	287
6	lime	293
23	shale	316
2	lime	318
17	shale	333
2	lime	337
16	shale	353
7	lime	360
1	shale	361
14	lime	375
12	shale	387
20	lime	407
4	shale	411
4	lime	415
5	shale	420
5	lime	425
47	shale	472
6	sand	486
62	shale	548
5	sand	533
71	shale	624
4	shale	628
2	lime	630
9	shale	639
13	lime	652
2	shale	654
12	lime	666
8	shale	674

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. 24

Farm Hoehn

KS Franklin
(State) (County)

5 16 21
(Section) (Township) (Range)

For TDR
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Thickness of Strata	Formation	Total Depth	Remarks
0-40	Soil - Clay	40	
3	Lime	43	
4	Shale	47	
16	Lime	63	
7	Shale	70	
13	Lime	83	
5	Shale	88	
16	Lime	104	
41	Shale	145	
21	Lime	166	
72	Shale	238	
23	Lime	261	
26	Shale	287	
6	Lime	293	
23	Shale	316	
2	Lime	318	
17	Shale	335	
2	Lime	337	
16	Shale	353	
7	Lime	360	
1	Shale	361	
14	Lime	375	
12	Shale	387	
20	Lime	407	
4	Shale	411	
4	Lime	415	
5	Shale	420	

420

Thickness of Strata	Formation	Total Depth	Remarks
5	Lime	425	
47	Shale	472	Harder
6	Sand	486	
62	Shale	548	No Oil
5	Sand	553	
71	Shale	624	Broken - Good Saturation
4	Lime	628	Good Bleed
2	Shale	630	
9	Lime	639	
13	Shale	652	
2	Lime	654	
12	Shale	666	
8	Lime	674	
19	Shale	693	
6	Lime	699	
6	Shale	705	
3	Sand	708	
0	Sand & Sandy Shale	710	Broken - Good Saturation
1	Sand & Sandy Shale	711	Broken - Poor Saturation
4	Sand & Sandy Shale	715	No Oil
85	Shale	800	Broken - Poor Saturation
			TD

Town Oilfield Service

P.O Box 339 Louisburg, Ks 66053
913-837-8400

Ticket Number _____
Location _____
Foreman _____

Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
5-28-14		Hochan 24	5	16	21	Franklin
Customer TDR Cont.		Mailing Address				
		City	State	Zip Code		

Job Type long string Hole Size 5 5/8 Hole Depth 780 Casing Size & Weight 2 7/8
Casing Depth 758 Drill Pipe _____ Tubing _____ Other _____
Displacement 4.6 Displacement PSI 300 Mix PSI 200 Rate 4 BPM

Remarks Bigged up, Established Rate down casing. Mixed & pumped 100% cement, circulated cement, Flushed pump & pumped Plug.

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		780
		Cement Truck		250
		Water Truck		150
	120	Cement	8.5	1020
		Gel		
	1	Plug	25	25
			Sales Tax	
			Estimated Total	

Authorization [Signature] Title _____ Date 5-28-14

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.