

Franklin County, KS
Well:McCoy # 7
Lease Owner: TDR

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

Commenced Spudding:
7/29/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
42	Soil-Clay	43
31	Shale	74
21	Lime	95
10	Shale	105
10	Lime	115
4	Sand	119
3	Shale	122
16	Lime	138
22	Shale	160
13	Sand	173
7	Sandy Shale	180
21	Lime	201
7	Sand	208
8	Sandy Shale	216
60	Shale	276
22	Lime	298
22	Shale	320
8	Lime	328
44	Shale	372
2	Lime	374
14	Shale	388
23	Lime	411
10	Shale	421
23	Lime	444
4	Shale	448
4	Lime	452
4	Shale	456
6	Lime	462
124	Shale	586
5	Sand	591
3	Sandy Shale	594
47	Shale	641
5	Lime	646
10	Shale	656
2	Lime	658
9	Shale	667
6	Lime	673
14	Shale	687
3	Lime	690
7	Shale	697

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 $SPM \times d$

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 McCoy

KS Crawford
(State) (County)

37 15 21
(Section) (Township) (Range)

For TDR Construction
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

Thickness of Strata	Formation	Total Depth	Remarks
42	soil / clay	43	
31	shale	74	
21	Lime	95	
10	shale	105	
10	Lime	115	
4	sand	119	
3	shale	122	
16	Lime	138	
22	shale	160	
13	sand	173	(red bed - 146' - 149')
7	sandy shale	180	grey, no oil
21	Lime	201	
7	sand	208	
8	sandy shale	216	grey, no oil
60	shale	276	
22	Lime	298	
22	shale	320	
8	Lime	328	
44	shale	372	
2	Lime	374	
14	shale	388	
23	Lime	411	
10	shale	421	
23	Lime	444	
4	shale	448	
4	Lime	452	
4	shale	456	

Thickness of Strata	Formation	Total Depth	Remarks
		456	
6	Lime	462	
124	sandy shale + shale	586	Hardly
5	sand	591	
3	sandy shale	594	grey, no oil
47	shale	641	
5	Lime	646	
10	shale	656	
2	Lime	658	
9	shale	667	
6	limestone shale	673	
14	shale	687	
3	Lime	690	
7	shale	697	
11	lime + shale	708	
28	shale	736	
1	Broken sand	737	
1	Broken sand	738	no oil
6	Broken sand	744	2% oil, odor
2	Broken sand	746	40% - 50% oil slight bleed
1	Broken sand	747	3% - 5% oil
4	Broken sand	751	10% - 15% oil
2	Broken sand	753	40% - 50% oil
30	sandy shale	783	20% oil
11	shale	794	no oil
15	sandy shale	809	
7	Broken sand	816	
14	sandy shale	830	no oil

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
7-30-14	TDR	McCoy #7	32	15	21	FR
Customer		Mailing Address				
		City	State	Zip Code		

Job Type Long String Hole Size 5 9/8 Hole Depth 840 Casing Size & Weight 2 7/8
Casing Depth 815 Drill Pipe _____ Tubing _____ Other _____
Displacement _____ Displacement PSI _____ Mix PSI _____ Rate _____

Remarks _____

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		150
	138	Cement	8.5	1173
		Gel		
		Plug		25
			Sales Tax	
			Estimated Total	2298

Authorization [Signature] 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.