

Franklin County, KS
Well:McCoy 9
Lease Owner: TDR

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

Commenced Spudding:
05/09/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-40	soil-clay	40
38	shale	78
7	lime	85
1	shale	86
19	lime	105
5	shale	110
10	lime	120
6	shale	126
19	lime	145
39	shale	184
20	lime	204
74	shale	278
23	lime	301
24	shale	325
6	lime	331
42	shale	373
2	lime	375
15	shale	390
8	lime	398
3	shale	401
12	lime	413
9	shale	422
23	lime	445
4	shale	449
3	lime	452
4	shale	456
6	lime	462
17	shale	489
13	sand	502
8	shale	510
40	sand and sandy shale	550
34	shale	584
9	sand	593
45	shale	638
7	lime	645
23	shale	668
7	lime	675
13	shale	688
3	lime	691
15	shale	706

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. 9

Farm McCoy

KS Franklin
(State) (County)

32 15 21
(Section) (Township) (Range)

For TDR
(Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

McCoy Farm: Franklin County
KS State; Well No. 9

Elevation 1040

Commenced Spuding 05/09 20 14

Finished Drilling 20

Driller's Name Greg Perry

Driller's Name

Driller's Name

Tool Dresser's Name Kenny Gunn

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS
32 15 21

(Section) (Township) (Range)
Distance from S line, 3505 ft.

Distance from E line, 1240 ft.

3 bags of cement

CASING AND TUBING RECORD

10" Set _____	10" Pulled _____
8" Set 21'	8" Pulled _____
6 1/2" Set _____	6 1/2" Pulled _____
4" Set _____	4" Pulled _____
2" Set _____	2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
793'		Baffle	2 7/8"		
824'		Total			

Thickness of Strata	Formation	Total Depth	Remarks
0-40	Soil-Clay	40	
38	Shale	78	
7	Lime	85	
1	Shale	86	
19	Lime	105	
5	Shale	110	
10	Lime	120	
6	Shale	126	
19	Lime	145	
39	Shale	184	
20	Lime	204	
74	Shale	278	
23	Lime	301	
24	Shale	325	
6	Lime	331	
42	Shale	373	
2	Lime	375	
15	Shale	390	
8	Lime	398	
3	Shale	401	
12	Lime	413	
9	Shale	422	
23	Lime	445	
4	Shale	449	
3	Lime	452	
4	Shale	456	
6	Lime	462	Mertha

462

Thickness of Strata	Formation	Total Depth	Remarks
17	Shale	489	
13	Sand	502	No Oil
8	Shale	510	
40	Sand & Sandy Shale	550	No Oil
34	Shale	584	
9	Sand	593	No Oil
45	Shale	638	
7	Lime	645	
23	Shale	668	
7	Lime	675	
13	Shale	688	
3	Lime	691	
15	Shale	706	
3	Lime	709	
14	Shale	723	
1	Lime	724	
16	Shale	740	
1	Sand	741	Broken - Good Saturation
1	Lime	742	
1	Sand	743	Broken - Good Saturation
7	Sand	750	Solid - Good Saturation
2	Sand	752	Broken - Poor Saturation
5	sandy Shale	757	
87	Shale	840	
2	Lime	842	
48	Shale	890	
6	Sand	896	No Oil

Town Oilfield Service

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

Ticket Number _____
Location _____
Foreman Lance Town

Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
5-14-14		McCoy #9	32	15	21	Franklin
Customer		Mailing Address				
TDIR Cont. Inc						
		City	State	Zip Code		

Job Type long string Hole Size 5 5/8 Hole Depth 840 Casing Size & Weight 2 7/8
Casing Depth 824 Drill Pipe _____ Tubing _____ Other _____
Displacement 4.6 Displacement PSI 300 Mix PSI 100 Rate 4 BPM

Remarks Bigged up, Established Rate down casing, mixed & pumped
120# gel followed by 100% cement circulated cement flushed
Pump & Pumped Plug.

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		150
	130	Cement	8.5	1105
	2	Gel	15	30
	1	Plug	25	25
			Sales Tax	
Estimated Total				2860

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

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.