

Franklin County, KS
Well:McCoy 3W
Lease Owner: TDR Const

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

Commenced Spudding:
07/30/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-42	soil/clay	42
25	shale	67
6	lime	73
1	shale	74
17	lime	91
7	shale	98
11	lime	109
2	shale	111
2	lime	113
2	shale	115
17	lime	132
40	shale	172
19	lime	191
78	shale	269
22	lime	291
24	shale	315
1	lime	316
1	shale	317
5	lime	322
42	shale	364
1	lime	365
15	shale	380
8	lime	388
2	shale	390
13	lime	403
8	shale	411
24	lime	435
3	shale	438
5	lime	442
5	shale	447
4	lime	451
25	shale	479
6	sand	485
8	sandy shale	493
*9	shale	502
46	sandy shale	548
35	shale	583
4	sand and sandy shale	587
46	shale	633
7	lime	640

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times h \times 14$

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. 3W

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. 3W

Elevation 1043

Commenced Spuding 07/30 2014

Finished Drilling 07/31 2014

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 13 21

(Section) S (Township) 2970 (Range) ft.

Distance from E line 330 ft.

- 3 bag of cement
- charge for surface
- 1/2 hour set surface
- 6 hour Long String

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
 8" Set _____ 8" Pulled _____
 7" ~~8"~~ Set 21" _____ 6 1/4" Pulled _____
 4" Set _____ 4" Pulled _____
 2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
790	90	Baffle			
822	45	Total			
27/9"		Pipe			

Thickness of Strata	Formation	Total Depth	Remarks
0-42	Soil-clay	42	
25	Shale	67	
6	Lime	73	
1	Shale	74	
17	Lime	91	
7	Shale	98	
11	Lime	109	
2	Shale	111	
2	Lime	113	
2	Shale	115	
17	Lime	132	
40	Shale	172	
19	Lime	191	
78	Shale	269	
22	Lime	291	
24	Shale	315	
1	Lime	316	
1	Shale	317	
5	Lime	322	
42	Shale	364	
1	Lime	365	
15	Shale	380	
8	Lime	388	
2	Shale	390	
13	Lime	403	
8	Shale	411	
24	Lime	435	

435

Thickness of Strata	Formation	Total Depth	Remarks
3	Shale	438	
5	Lime	442	
5	Shale	447	
4	Lime	451	Hertha
29	Shale	479	
6	Sand	485	No Oil
8	Sandy Shale	493	
9	Shale	502	
46	Sandy Shale	548	
35	Shale	583	
4	Sand & Sandy Shale	587	No Oil
46	Shale	633	
7	Lime	640	
9	Shale	649	
3	Lime	652	
6	Shale	658	
7	Lime	665	
14	Shale	679	
3	Lime	682	
8	Shale	690	
2	Lime	692	
5	Shale	697	
2	Lime	699	
21	Shale	720	
3	Lime	723	
4	Shale	727	
3	Sandy Shale	730	

730

Thickness of Strata	Formation	Total Depth	Remarks
2	Sand	732	Broken 5%
2	Sand	734	Broken - Good saturation - 50%
3	Sand	737	Broken 10%
1	Sandy Shale	738	No Oil
4	Sand	742	Broken 10%
2	Sand	744	Broken - Good saturation 25%
29	Sandy Shale	772	
68	Shale	840	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
7-31-14		McCoy 3W	32	15	21	FR
Customer TDR		Mailing Address				
		City	State	Zip Code		

Job Type long string Hole Size 5 5/8 Hole Depth 840 Casing Size & Weight 2 1/8
 Casing Depth 822 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		156
	127	Cement	8.5	1079.5
		Gel		
		Plug		25
			Sales Tax	
Estimated Total				2204.5

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.