

Miami County, KS  
Well:Hunt 15-I  
Lease Owner:MJT Enterprises

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

Commenced Spudding:  
09/29/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
14	soil/clay	14
5	shale	19
24	lime	43
15	shale	58
6	lime	64
2	shale	66
3	red bed	69
36	shale	105
15	lime	120
9	shale	129
29	lime	158
8	shale and slate	166
21	lime	187
6	shale and slate	193
2	lime	195
2	shale and slate	197
7	lime	204
18	shale	222
12	sand	234
78	sandy shale	312
5	sand	317
25	sandy shale	342
8	sand	350
9	sandy shale	359
10	sand	369
14	lime	383
51	shale	434
5	dlime	439
12	shale	451
3	lime	454
14	shale	468
8	lime	476
21	shale	497
4	lime	501
4	shale	505
9	lime	514
8	sandy shale	522
14	sand	536
34	sandy shale	570-TD

# 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 - RPMxd over SPMxR

d - SPMxRxD over RPM

SPM - RPMXD over RxD

R - RPMXD over SPMxD

$$\text{BELT LENGTH} = 2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$$

\* Need these to figure belt length

$$\frac{\text{WATTS}}{\text{VOLTS}} = \text{AMPS}$$

TO FIGURE AMPS:

746 WATTS equal 1 HP

# Log Book

Well No. 5-1

Farm Hurt

KS (State) Miami (County)

7 (Section) 18 (Township) 22 (Range)

For MST Enterprises

**Town Oil Company, Inc.**  
16205 W. 287th St.  
Paola, KS 66071  
913-294-2125



Thickness of Strata	Formation	Total Depth	Remarks
14	Soil & clay	14	
5	shale	19	green
24	Lime	43	
15	Shale	58	
6	Lime	64	
2	Shale	66	
3	Red bed	69	
36	Shale	105	
15	Lime	120	grey Drum
9	Shale	129	
29	Lime	158	Winterset
8	Shale & slate	166	
21	Lime	187	Bethany Falls
6	Shale & slate	193	
2	Lime	195	K.C.
2	Shale & slate	197	
7	Lime	204	Hertha
18	shale	222	
12	Sand	234	green, no show
78	Sandy shale	312	grey
5	Sand	317	green, no show
25	Sandy shale	342	green
8	Sand	350	<del>grey</del> slight show to K odor, lime no show
9	Sandy shale	359	
10	Sand	369	Green, lime, slight odor & bleed, gas
14	Lime	383	
51	Shale	434	







**CONSOLIDATED**  
Oil Well Services, LLC

271771

TICKET NUMBER 50513  
LOCATION Adawa, KS  
FOREMAN Casey Kennedy

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8678

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/1/14	5472	D & C Hunt #15-I	SE 7	18	22	MI
CUSTOMER MJT Enterprises						
MAILING ADDRESS 37411 John Brown Hwy						
CITY Osawatomie		STATE KS	ZIP CODE 66064			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			729	Casey Ken	✓ Safety	Mackling
			6660	KeiCar	✓	
			548	Dan Wha	✓	
			370	Mik Fox	✓	

JOB TYPE log string HOLE SIZE 5 5/8" HOLE DEPTH 570' CASING SIZE & WEIGHT 2 7/8" EUE  
CASING DEPTH 563' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
DISPLACEMENT 3.26 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4.5 bpm

REMARKS: held safety meeting established circulation, mixed & pumped 200# Premium Gel followed by 5 bbls fresh water, mixed & pumped 71' sks OWC cement w/ 1/2 # Phenoseal per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing, TD w/ 3.26 bbls fresh water, pressured to 800 PSI, well held pressure for 30 min MIT, released pressure, shut in casing.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	25 mi	MILEAGE		105.00
5402	563'	casing footage		
5407	minimum	ton mileage		368.00
5502c	2 hrs	PO Vac	N/C	
1126	71 sks	BWC cement	1402.25 ✓	
1183	200 #	Premium Gel	44.00 ✓	
1107A	36 #	Phenoseal	48.60 ✓	
		materials	1494.85	
		-30%	448.46 ✓	
		subtotal		1046.39
4402	1	2 1/2" rubber plug		29.50 ✓
			3398.96	
		7.65%	SALES TAX	82.31 ✓
			ESTIMATED TOTAL	2716.20 ✓

Revin 9737

AUTHORIZATION Mike Taylor 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.