JOhnson County, KS
Well:Sugar Ridge N-3
Lease Owner: D Z

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

Commenced Spudding:
10/26/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
4	Soil-Clay	4
47	Shale	51
4	Lime	55
2	Shale	57
17	Lime	74
10	Shale	84
9	Lime	93
7	Shale	100
21	Lime	121
19	Shale	140
20	Lime	160
8	Shale	168
54	Lime	222
19	Shale	241
9	Lime	250
20	Shale	270
6	Lime	276
5	Shale	281
7	Lime	288
39	Shale	321
2	Lime	323
11	Shale	334
23	Lime	357
9	Shale	366
24	Lime	390
3	Shale	393
5	Lime	398
4	Shale	402
6	Lime	408
176	Shale	584
3	Lime	587
10	Shale	597
7	Lime	604
16	Shale	620
4	Lime	624
8	Shale	636
3	Lime	639
38	Shale	677
28	Grey Sand	705
43	Shale	748

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6	Sandy Shale	754
6	Grey Sand	760
5	Sandy Shale	765
103	Shale	868
1	Broken Sand	869
7	Oil Sand	876
4	Broken Sand	880
5	Sandy Shale	885
75	Shale	960-TD

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.14xh

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

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

* Need these to figure belt length

TO FIGURE AMPS: $\frac{\text{WATTS}}{\text{VOLTS}}$ = AMPS

746 WATTS equal 1 HP

Log Book

Well No. N3

Farm Sugar Ridge

KS (State) Johnson (County)

29 (Section) 14 (Township) 22 (Range)

For D+Z Exploration (Well Owner)

Town Oilfield Services, Inc.

1207 N. 1st East

Louisburg, KS 66053

913-710-5400

_______ Farm: _______ County

_______ State; Well No. _______

Elevation _______

Commenced Spuding 10-26, 20 14

Finished Drilling 10-27, 20 14

Driller's Name _______

Driller's Name _______

Driller's Name Kenny Gunn

Tool Dresser's Name Cole Holcom

Tool Dresser's Name _______

Tool Dresser's Name _______

Contractor's Name _______

____

(Section) (Township) (Range)

Distance from _______ line, _______ ft.

Distance from _______ line, _______ ft.

20' 7" surface

4 sacks cement

CASING AND TUBING RECORD

10" Set		10" Pulled	
~~8~~ 7" Set	20'	8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2 7/8 Set		2" Pulled	

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.

Thickness of Strata	Formation	Total Depth	Remarks
4	soil + clay	4	
47	shale	51	
4	lime	55	
2	shale	57	
17	lime	74	
10	shale	84	
9	lime	93	
7	shale	100	
21	lime	121	
19	shale	140	
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9	shale	366	
24	lime	390	
3	shale	393	
5	lime	398	

Thickness of Strata	Formation	Total Depth	Remarks
4	shale	402	
6	lime	408	Hartford
176	shale	584	
3	lime	587	
10	shale	597	
7	lime	604	
16	shale	620	
4	lime	624	
8	shale	636	
3	lime	639	
38	shale	677	
28	grey sand	~~705~~	no oil
43	shale	748	
6	sandy shale	754	
6	grey sand	760	water [illegible] oil
5	sandy shale	765	
103	shale	868	
1	broken sand	869	very lite bleed
7	oil sand	876	great bleed great saturation
4	broken sand	880	good bleed good saturation
5	sandy shale	885	
75	shale	960	TD