

Miami County, KS
 Well: North Hanson T-4
 Lease Owner: Somerset Energy

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

Commenced Spudding:
 3-10-2015

WELL LOG

Thickness of Strata	Formation	Total Depth
0 - 21	Soil - Clay	21
14	Lime	35
14	Shale	49
3	Lime	52
39	Shale	91
11	Lime	102
16	Shale	118
11	Lime	129
2	Shale	131
12	Lime	143
7	Shale	150
20	Lime	170
4	Shale	174
2	Lime	176
6	Shale	182
5	Lime	187
6	Shale	193
3	Lime	196
2	Shale	198
2	Lime	200
16	Shale	216
1	Sand	217
1	Sand	218
1	Sand	219
19	Core #1	238
2	Sandy Shale	240
63	Shale	303
5	Sand	308
29	Shale	337
3	Sand	340
9	Sandy Lime	349
5	Sandy Shale	354
3	Sand	357
1	Sand	358
20	Core #2	378
16	Core #3	394
3	Lime	397
15	Shale	412
8	Lime	420
16	Shale	436

Core #1			219
2	Sand & Sandy Shale		221
17	Sandy Shale		238
Core #2			
			358
6	Sand		364
4.5	Sandy Lime		368.5
3.5	Sandy Shale		372
6	Sandy Lime		378
Core #3			
			378
2	Sand		380
3	Limey Sand		383
10	Sand		393
1	Lime		394

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
4-8-15		North Housew T-4	20	14	24	MI
Customer			Mailing Address			
Somerset Energy						
		City	State	Zip Code		

Job Type Plug Hole Size 5 5/8 Hole Depth 460 Casing Size & Weight _____
 Casing Depth _____ Drill Pipe _____ Tubing _____ Other _____
 Displacement 4.6 Displacement PSI 500 Mix PSI 350 Rate 4 BPM

Remarks Rev Drill pipe to bottom & filled to top.

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		150
	90	Cement		720
		Gel		
		Plug		24
			Sales Tax	
Estimated Total				

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.