

Anderson County, KS  
Well: Zastrow 18-HP  
Lease Owner: Haas

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

Commenced Spudding:  
7/2/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
17	Soil-Clay	17
43	Shale	60
27	Lime	87
15	Shale	102
2	Lime	104
5	Shale	109
46	Shale	155
11	Lime	166
7	Shale	173
12	Lime	185
10	Sandy Lime	195
14	Lime	209
7	Shale	216
22	Lime	238
2	Shale	240
24	Lime	264
4	Shale	268
3	Lime	271
7	Sandy Shale	278
17	Shale	295
5	Sand	300
5	Sandy Shale	305
3	Shale	308
10	Sand	318
16	Sandy Shale	334
58	Shale	392
6	Sand	398
5	Sandy Shale	402
27	Shale	430
2	Lime	432
6	Shale	438
3	Lime	441
3	Shale	444
9	Lime	453
10	Shale	463
10	Sand	473
10	Shale	483
20	Sand and Sandy Shale	503
22	Coal	505
8	Lime	513



