

Operator Martin Oil Properties

Address Norman, Oklahoma

Lease Hastert

Well No. 4-T

Location Sec 13, Twp 20, Rge 20E

County Anderson

Contractor Xenia Corporation

API NO. 15-003-238920000

Spud Date June 28, 1996

Date Reached TD July 1, 1996

Thickness of Strata	Formation	Total Depth
0 - 3	Soil	3
23	Clay & Gravel	26
39	Shale	65
30	Limestone	95
9	Shale	104
2	Limestone	106
4	Shale	110
1	Limestone	111
6	Shale (Red Bed)	117
40	Shale	157
12	Limestone	169
6	Shale	175
35	Limestone	210
8	Shale (Blk)	218
25	Limestone	243
3	Shale (Blk)	246
22	Limestone	268
4	Shale (Blk)	272
4	Limestone	276
121	Shale	397
6	Sand/Odor-Show	403
13	Sandy Shale	416
16	Shale	432
3	Limestone	435
5	Shale	440
2	Limestone	442
6	Shale	448
10	Limestone	458
1	Shale	459
2	Limestone	461
11	Shale	472
6	Sand/Odor-Show (Lt)	478
3	Sandy Shale	481
3	Shale (Blk)	484
-21	Shale	505
3	Shale (Blk)	508
2	Shale	510
7	Limestone	517
5	Shale	522
1	Limestone	523

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 KANSAS CORPORATION COMMISSION
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Thickness of Strata	Formation	Total Depth
8	Shale	531
5	Limestone	536
1	Shale (Blk)	537
22	Shale	559
13	Limestone	572
14	Shale/Limy	586
8	Limestone	594
12	Shale (Blk)	606
10	Limestone	616
4	Shale (Blk)	620
27	Shale	647
2	Limestone	649
14	Shale	663
4	Sand	667
4	Sandy Shale	671
3	Limestone	674
17	Shale	691
2	Coal	693
9	Shale	702
2	Limestone	704
3	Coal	707
13	Shale/Limy	720
8	Broken Sand/Odor-Show-Bleed	728
12	Sand/Odor-Show-Good/Bleeding	740
1	Coal	741
8	Sandy Shale	749
10	Shale	759
1	Limestone	760
38	Shale	798