



13-14-20E ✓
NW 1/4 x

Custom
oil & gas
drilling

Lease Development

Suite 11 Professional Building 401 S. Main Ottawa Kansas 66067 (913)242-5733

WELL LOG

Shaephard #1

Kansas Oil Properties, Inc. 12/16/85 to 12/17/85

Thickness of Strata	Formation	Total
23	Topsoil & Clay	23
51	Shale	74
5	Lime	79
4	Shale	83
17	Lime	100
8	Shale	108
8	Lime	116
6	Shale	122
18	Lime	140
35	Shale	175
16	Lime	191
63	Shale	254
6	Lime	260
6	Shale	266
17	Lime	283
13	Shale	296
6	Lime	302
8	Solid Lime	310
29	Shale	339
8	Lime	347
10	Shale	357
10	Lime	367
7	Shale	374
16	Lime	390
6	Shale	396
22	Lime	418
3	Shale	421
14	Lime	435
144	Shale	579
5	Sand	584
14	Shale	598
6	Lime	604
5	Shale	609
2	Lime	611
13	Shale	624
6	Lime	630
15	Shale	645
3	Lime	648
17	Shale	665
3	Lime	668

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Shale laminations

Hertha

White

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13-14-20E

Shepherd #1

20	Shale	688
2	Lime	690
2	Shale	692
2	Lime	694
2	Shale	696
3	Sandy Shale	699 White
1	Broken Sand	700 Brown Sand
2	Broken Sand	702
1	Solid Sand	703 Good Sand
1	Shale	704 Top 6" Lime, Last 6" Shale
2	Broken Sand	706
14	Shale	720 T.D.

This well plugged with 10 sacks at 700', 10 sacks at 500,
52 sacks 350' to surface. 12/17/85 4:00 - 5:00 P.M.

Set 40.2' surface

Started Core at 700'

1	1:18 - 1:19	1 min.	701
2	1:19 - 1:20	1 min.	702
3	1:20 - 1:21	3/4 min.	703
4	1:21 - 1:23	2 min.	704
5	1:23 - 1:24	1 min.	705
6	1:24 - 1:25	1 1/4 min.	706
7	1:25 - 1:26	1 min.	707
8	1:26 - 1:27	1 1/4 min.	708
9	1:27 - 1:29	1 1/4 min.	709
10	1:29 - 1:30	1 1/2 min.	710
11	1:30 - 1:31	1 1/4 min.	711
12	1:31 - 1:33	1 1/4 min.	712
13	1:33 - 1:34	1 1/2 min.	713
14	1:34 - 1:35	1 1/4 min.	714
15	1:35 - 1:37	1 1/2 min.	715
16	1:37 - 1:38	1 1/4 min.	716
17	1:38 - 1:40	1 3/4 min.	717
18	1:40 - 1:41	1 1/4 min.	718
19	1:41 - 1:43	1 1/2 min.	719
20	1:43 - 1:44	1 1/2 min.	720

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