



OW-1
Neese

Custom
oil & gas
drilling

Lease Development

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

WELL LOG
McClaren #1
McClaren

OW-1 Neese
11/24/82 to 12/1/82

Thickness of Strata	Formation	Total
10	Soil & Clay	10
18	Lime	28
4	Sand	32 White
91	Shale	123 Lane
19	Lime	142 Iola
10	Shale	152
3	Sand	155
14	Shale	169
4	Lime	173
37	Shale	210
11	Lime	221
2	Shale	223
4	Lime	227
10	Shale	237
25	Lime	262
10	Shale	272
21	Lime	293
6	Shale	299
12	Lime	311 Hertha
139	Shale	450
9	Sand	459 White Hard
7	Shale	466
12	Lime	478
39	Shale	517
2	Coal	519
2	Shale	521
4	Lime	525
2	Shale	527
2	Lime	529
11	Shale	540
2	Lime	542
2	Slate	544
15	Shale	559
3	Lime	562
3	Shale	565
6	Lime	571 Brown Lime Oil Show
1	Shale	572 Circulate White
2	Sandy Shale	574 Circ. White
1	Sand	576 CFS White
1	Sand	577 CFS Brown core oil Show
4	Broken Sand	581

Well Log McClaren #1 cont.

3	Sand	584 Good Oil Show
4	Broekn Sand	588
4	Shale	592
33	Shale	625 Circ.
4	Shale	629 Circ. Sandy
2	Shale	631 Circ.
3	Shale	634 Circ.
2	Broken Sand	636 Circ.
7	Shale	643 Cored
1.5 Broken Sand		644.5
10.5	Shale	655 Core
11	Shale	666
2	Coal	668
8	Shale	676
3	Lime	679
3	Slate	682 Circ.
3	Shale	685 Circ.
1	White Sandy Shale	686 Circ.
1	White Sandy Shale	687 Circ. Few Pieces brown Sand
8	Gas Sand	695 Slight Oil Show
2	Shale	697 Core
1	Sand	698 Good Oil Show
4	Shale	702
15	Shale	717
1	Lime	718
4	Shale	722 Circ.
3	Broken Sand	725 Circ.
5	Gas Sand	730 Core
4	Shale	734
5	Gas Sand	739
6	Shale	745
55	Shale	800 T.D.

Seating Nipple at 745'

772.85' pipe in well

104.55' surface casing in well set with 14 sacks cement 6" casing

Started Core at 577'

1	8:32 - 8:33	1 min.	578	Broken Sand .5'
2	8:33 - 8:34	1 min.	579	Shale
3	8:34 - 8:35	1¼ min.	580	Broken Sand
4	8:35 - 8:36	1¼ min.	581	Broken Sand
5	8:36 - 8:37	1¼ min.	582	Sand
6	8:37 - 8:39	1¼ min.	583	Sand
7	8:34 - 8:40	1 min.	584	Sand
8	8:40 - 8:41	1½ min.	585	Broken Sand
9	8:41 - 8:42	1¼ min.	586	Broken Sand
10	8:42 - 8:44	2 min.	587	Sand
11	8:44 - 8:45	1 3/4 min.	588	Broken Sand
12	8:45 - 8:47	1½ min.	589	Shale
13	8:47 - 8:48	1½ min.	590	Shale
14	8:48 - 8:50	1 3/4 min.	591	Shale
15	8:50 - 8:52	2 min.	592	Shale

Started Core at 636'

Well Log McClaren #1 Cont.

Started Core at 636'

1	12:31 - 12:32	1 1/4 min.	637
2	12:32 - 12:34	1 1/4 min.	638
3	12:34 - 12:35	1 min.	639
4	12:35 - 12:36	1 min.	640
5	12:36 - 12:37	1 1/4 min.	641
6	12:37 - 12:38	1 1/4 min.	642
7	12:38 - 12:39	1 1/4 min.	643
8	12:39 - 12:40	1 1/4 min.	644
9	12:40 - 12:41	1 1/2 min.	645
10	12:41 - 12:42	2 min.	646
11	12:42 - 12:44	2 min.	647
12	12:44 - 12:46	2 min.	648
13	12:46 - 12:47	1 3/4 min.	649
14	12:47 - 12:49	1 3/4 min.	650
15	12:49 - 12:50	1 3/4 min.	651
16	12:50 - 12:52	2 1/2 min.	652
17	12:52 - 12:54	2 1/2 min.	653
18	12:54 - 12:56	2 1/2 min.	654
19	12:56 - 12:59	2 1/2 min.	655

Started Core at 687'

1	4:06 - 4:07	1 min.	688
2	4:07 - 4:08	1 1/4 min.	689
3	4:08 - 4:10	1 1/2 min.	690
4	4:10 - 4:11	1 1/4 min.	691
5	4:11 - 4:12	1 1/4 min.	692
6	4:12 - 4:13	1 1/4 min.	693
7	4:13 - 4:14	1 1/4 min.	694
8	4:14 - 4:16	1 1/2 min.	695
9	4:16 - 4:17	1 1/2 min.	696
10	4:17 - 4:18	1 1/2 min.	697
11	4:18 - 4:19	1 1/2 min.	698
12	4:20 - 4:21	1 1/2 min.	699
13	4:21 - 4:23	1 3/4 min.	700
14	4:23 - 4:25	2 min.	701
15	4:25 - 4:26	1 3/4 min.	702
16	4:26 - 4:28	2 1/4 min.	703
17	4:28 - 4:30	2 3/4 min.	704

Started Core at 725' Mud Core

1	10:10 - 10:14	4 min.	726	11	11:24 - 11:38	14 min.	736
2	10:15 - 10:20	5 min.	727	12	11:38 - 11:45	7 min.	737
3	10:20 - 10:25	5 min.	728	13	11:45 - 11:50	5 min.	738
4	10:25 - 10:30	5 min.	729	14	11:50 - 11:55	5 min.	739
5	10:30 - 10:36	6 min.	730	15	11:55 - 11:59	4 min.	740
6	10:36 - 10:42	6 min.	731	16	11:59 - 12:04	5 min.	741
7	10:42 - 10:52	10 min.	732	17	12:04 - 12:13	9 min.	742
8	10:52 - 11:05	13 min.	733	18	12:13 - 12:22	9 min.	743
9	11:05 - 11:09	14 min.	734	19	12:22 - 12:35	13 min.	744
10	11:09 - 11:24	15 min.	735	20	12:35 - 12:47	12 min.	745