18S-47E-?
Malheur County

LOG OF WELL NO. 1 OF ONTARIO COOPERATIVE GAS & OIL COMPANY
AT ONTARIO, OREGON

Character of rock	Thickness (feet)	Depth[a] (feet)
Soil, black, sandy	8	0
Sand and coarse gravel with water	16	8
Clay, blue, soft	67	24
Sand with much water	10	91
Shale, sandy	53½	101
Hard "shell"	½	154½
Shale, blue	481	155
Gas		636
Shale, blue	70	636
Shale with some gas	5	706
Shale, blue	125	711
Hard "shell"	1	836
Shale with trace of oil	9	837
Shale, blue	32	846
Hard "shell"	2	878
Shale	88	880
Sand with gas under high pressure	14	968
Shale	4	982
Sand	7	986
Shale	65	993
Sand with gas under very high pressure	8	1,058
Shale	132	1,066
Hard "shell"	1	1,198
Shale	20	1,199

Character of rock	Thickness (feet)	Depth[a] (feet)
Hard "shell"	1	1,219
Shale	3	1,220
Hard "shell"	3	1,223
Shale	78	1,226
Hard "shell"	1	1,304
Shale and sand	291	1,305
Shale, brown	80	1,596
Shale, sandy	20	1,676
Shale, blue	85	1,696
Hard "shell"	5	1,781
Shale, brown	110	1,786
Shale with a little gas	100	1,896
Shale, blue	150	1,996
Shale, blue, with gravel	10	2,146
Shale, sandy	43	2,156
Sand with trace of oil and much gas under high pressure.	1	2,199
Shale, soft	276	2,200
Shale, hard	30	2,476
Shale, blue	165	2,506
Shale, blue, mixed with small pebbles of black chert	165	2,671
Shale, hard, brittle	50	2,836
Shale, soft, blue	120	2,886
Shale, hard	20	3,006
Shale, dark	80	3,026
Shale, blue	225	3,106
Shale, dark, hard	70	3,331

Character of rock	Thickness (feet)	Depth[a] (feet)
Shale, blue	65	3,401
Shale, dark, hard	41	3,466
Shale, dark, blue	60	3,507
Shale, dark, hard	29	3,567
Shale, blue	54	3,596
Total depth of well[b]		3,650

[a] In the logs in this paper the depths given refer to the top of each stratum measured in feet from the surface of the ground.

[b] In September 1910, the depth of the Ontario well is reported to be 4,000 feet. Samples submitted from this depth are identical in character with the light-blue shale found at higher horizons, and there can be no doubt that the well has not yet passed entirely through the Payette formation.

Taken from - U. S. Geol. Survey Bull. 431: Contributions to Economic Geology, part II, Gas and oil near Vale, Oregon, and Payette, Idaho, p. 41, 1909.