

STATE DEPARTMENT OF GEOLOGY & MINERAL INDUSTRIES
 Head Office: 702 Woodlark Bldg., Portland 5, Oregon

Field Offices:

2033 First Street, Baker, Oregon
 714 East "H" Street, Grants Pass, Oregon

WELL LOG
 Date Jan 17 1958 Number 1

Recorded by V Newton Source USGS Bull 431

County Malheur Area Cow Hollow

Quadrangle _____ T _____ S _____ sec. 6 T 20S N/S., R 45 E/WK

Mamouth Oil and Gas Company, Union, Oregon
 (Drilling Company and Address)

Method of Drilling _____ Date 19 _____

(owner not mentioned)

(Property Owner and Address)

Land surface, datum _____ ft. above _____ below

Material	Thickness (feet)	Depth (feet)	Remarks
Soil	8	8	
Sandstone	8	16	
Sand, light gray	4	20	
Shale, gray, hard at base	14	34	
Sandstone, dark gray	24	58	
Sand, gray,	15	73	Trace of oil and gas *
Clay, blue, tough, sticky	70	143	
Gravel, coarse, $\frac{1}{2}$ - 2"	9	152	
Gravel, fine, and clay	9	161	gas in clay *
Shale, blue	22	183	
Gravel, fine	10	193	water rose 30' at this point
Clay, compact, tough blue	121	314	hard at bottom
Shale, light gray	12	326	
Shale, alt. hard and soft layers	40	366	
Sandstone, marly, fossiliferous	5	371	
Shale, light gray	12	383	continued on next page

Material	Thickness (feet)	Depth (feet)	Remarks
Sandstone, gray, hard, fn gr	14	397	
Shale, dark laminated	10	407	
Sandstone w/ fossil unio	4	411	
Clay, gray	20	431	
Sand, fn gr	6	437	water bearing
Gravel and clay	24	461	
Shale, hard gray	30	491	
Clay, blue, tough	10	501	
Sand	12	513	water bearing
Shale, light blue	12	525	
Clay, dark blue, tough -gumbo	8	533	
Clay, blue	10	543	
Sand and gravel w/trace of C&G	5	548	trace of oil and gas *
Shale, gray	10	558	
Sandstone, gray	6	564	some gas
Shale, blue	20	584	
Sand, coarse	6	590	
Shale, light blue	24	614	
Sand, dark gray,	63	677	trace of oil *
Clay and sand	20	697	hard at bottom
Shale, gray	20	717	
Clay, blue, tough - gumbo	12	729	
Shale, green	45	774	Hard at base
Clay, gray	10	784	
Clay, blue	10	794	
Clay, sticky, tough, blue	90	884	oil colors
Shale, blue	25	909	con'd on next sheet

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 (Drilling Company and Address)

Method of Drilling _____ Date _____ 19 _____

(Property Owner and Address)

Land surface, datum _____ ft. above _____ below

Material	Thickness (feet)	Depth (feet)	Remarks
Shale, gray	12	921	
Gravel, fine	12	933	Trace of oil
Clay, blue	18	951	Hard at bottom
Sand and clay	10	961	
Clay, blue, tough	30	991	
Shale, blue	20	1011	
Clay, black	5	1016	
Shale, laminated	5	1021	
Clay, blue	5	1026	
Shale, light gray	10	1036	
Limestone, impure, argillaceous	10	1046	
Limestone and shale	35	1081	alt light and dark
Clay, blue	60	1141	Total Depth

*