

FORMATION RECORD

Give name, top, bottom and description of all formations encountered, and indicate oil, gas and water bearing intervals, cored sections and drill stem tests.

FORMATION NAME	TOP	BOTTOM	DESCRIPTION AND REMARKS
Niobrara	5538' to	5707'	Dark gray shale with brown calcareous specks.
Fort Hayes	5781' -	5800'	White Lime.
Codell	5826' -	5850'	Gray sandstone, fine grained, poor P & P, clayey, wet, no show.
Greenhorn #1	5944' -	5988'	Brown Speckled dark gray shale with some thin stringers of brown lime.
Greenhorn #2	6114' -	6205'	As Above.
Muddy "D"	6314' -	6345'	Sandstone, gray, fine grain, some reworked sand & shale, show oil, poor P & P, becomes silty towards base.
Dakota "J"	6391' -	6406' TD	Sand, very fine grain, gray to brown, scattered shale partings, slightly reworked, hard, tite, wet, no show oil.
Core No. 1	6314' to 6354'	Cut 40' Rec 40'	
6-1/2'	-		Sand and shale, reworked.
2-1/2'	-		Laminated silt and shale.
7'	-		Black shale.
3-1/2'	-		Sand and shale, reworked.
2-1/2'	-		Sand, fine grain, good stain, odor and fluor.
2'	-		Sand and shale, reworked. Sand description as above.
2-1/2'	-		Sand, very fine grain, good stain, odor and fluor.
1-1/4'	-		Sand and shale, reworked.
2'	-		Silt and shale.
10-1/4'	-		Black shale.
Halliburton DST No. 1	from 6327' to 6354'	Tool open 1-1/2 hours, shut in 1/2 hours	Weak blow at start, increased to good blow after 10 minutes and continued throughout test. Very small amount of gas. Recovered 185' total fluid; 35' heavy oil and gas cut mud and 150' very slightly oil and gas cut mud. Pressures: IH 3344. IF 38, FF 58, Shut In 1050, FH 3219.
Core No. 2	6392' to 6406'	Cut 14' Rec. 14'	
1-1/2'	-		Sand very fine grain, gray, very hard and tite, very fine, water, no show.
6-3/4'	-		Sand, brown, fine grain, friable, wet, reworked with black shale throughout.
1-3/4'	-		Black shale, silty.
2'	-		Shale, reworked, some very fine grain, hard gray sand, no show.
2'	-		Black shale, with scattered sand, laminated, no show.

TEST RESULTS: 25	25
Gas Yr 25	25
Gas Grvty 25	25
Gas Grvty 25	25