

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION	
7138	7169	31	Cored	Rec. 31' Finely crystalline tan to brown stygolitic earthy lime, many fussulinids. Trace light stain in vugs, trace 20% vuggy porosity, 10% to 30% fluorescence.
7136	7169	33	Drill Stem Test:-	Perno Penn. 2 packers, No WC 6 hrs. 5/8" BHC & 1" SC, strong blow gas 45 min. (Est. 9.67 MCF per 24 hrs.) No fluid to surface. Rec. 90' heavily gas-cut drlg mud, 5100' salt water slightly cut w/oil & gas. oil increase 10%, Top to 60% near bottom, 570' salt water BHFP 275- 1400#, 20 min. S-I BHP 2825#, H.H. 3675# in 3600# out. Condition hole 4 hrs. Lost 200 to 300 bbls. mud while circ. Pipe unloaded intermittently after 10 stands of pipe were pulled.
7140	7169	29	Drill Stem Test:-	2 Pkrs. no WC, 7 hrs. 5/8" BHC & 1" SC, Gas 15 min. (12.62 MCF 24 hrs.) Mud 5 hrs. 30 min. Salt water slightly cut mud & oil 7 hrs. Rec. 4920' salt water cut 5% top 90% bottom w/oil. 120' salt water SFP not measured, BHFP 150-1050-850# 15 min. S-I BHP 2700#, H.H. 2650- 3600#, Grav. 45.4 @ 60 deg. Attempt to plug back 7169-7065 w/17 sax common, 8 sax Wellite, 4% gel. WOC, Cement did not set. <u>DRILL PIPE CORRECTION 7169 = 7173</u> Flugged back 7173-7043 w/30 sax common, 6 sax Wellite 4% gel. Plug holding, not losing mud in column. No plug. Stringers @ 7090 - 7130, Pumped w/60' Halliburton scratchers 1 hr. Clean out to bottom and plug back 7173-7048 w/30 sax common. Top 7110' solid.
7110	7147	37	Drilled out cement to:	Solid.
7135	7147	12	Drill Stem Test:-	2 packers, 5/8" BHC & 1" SC, No WC, 3 hrs. 10 min. (fair blow for 6 min. increasing to good blow remainder of test) Gas to surface 28 min. (not measured) no oil, mud or water to surface, Rec. 1560' total fluid, 90' drlg. mud heavily gas-cut 1170' salt water cut 20% to 30% with oil, 300' salt water above tool, SFP 0#, BHFP 100-400#, 15 min. S-I BHP 2800#, H.H. 3500-3500#.
			Drilled out to 7173	
7000	7164	164	Ran Schlumberger Micro Log	
7173	7175	2	Line	
7175	7186	11	Cored	Rec. 11' brown line w/several black shale streaks 7184-7186 2' brown line w/oil odor and trace oil flu- orescence, no porosity, no water.
7186	7206	20	Cored	Rec. 19', 1' black shale, 18' brown lime, Dry.
7206	7238	22	Cored	Rec. 32' finely crystalline gray to tan slightly stygolic, fossil lime. At 7207-18' (11') Trace 10% small vuggy porosity w/odor. Traces of stain and oil fluorescence. Attempted Drill Stem Test, Stopped 22' off bottom. Clean out to bottom.
7200	7238	38	Drill Stem Test	2 packers, no WC, 1-1/2 hrs. 5/8" BHC & 1" SC, no gas or fluid to surface (weak blow air 30 min. died) Rec. 30' drlg. mud, no shows. BHFP 0-0#, S-I BHP bad chart, H. H. 3600# in 3600# out.
7238	7239	1	Line	
7239	7259	20	Cored	Rec. 20' finely crystalline tan to gray stygolic lime. 7251-7254, 10-20% small vuggy and cavernous porosity good, oil odor, stain & fluorescence.
7240	7259	19	Drill Stem Test	2 Pkrs. no WC 3 hrs. 5/8" BHC & 1" SC, no gas or fluid to surface. Rec. 60' slightly oil and gas-cut drlg. mud, 3690' gas in drill pipe. BHFP 50-50 lbs. 15 min. S-I BHP 300#, H. H. 3650-3550#.
7259	7279	20	Cored	Rec. 20', 7259-67 finely crystalline lime, 7267-77 finely crystalline gray and black shale w/lime. 7277-79 black shale.
7279	7310	31	Cored	Rec. 30' 7279-81 black shale, 7281-86 finely crystalline lime, 7286-87 1/2 black shale, 7287 1/2-88 1/2 gray shale, 7288 1/2-90 1/2 finely crystalline gray