

State B 4286 "A" Well No. 2 - Lea County, New Mexico

DST #1, from 8310' to 8435'. 1" x 3/4" chokes, and 750' water blanket. Tool open 2 hrs., very weak blow of air immediately, decreasing and dying in 1 hr. and 45 min. Took 15 min. S.I. Recovered 750' water blanket and 60' of slightly gas cut mud. Pressures: Initial flowing - 450#, final flowing - 450#, water blanket - 450#, 15 min. S.I. 525#, hydrostatic - 4550#.

DST #2, from 8435' to 8480, 3/4" x 1" chokes, 750' water blanket. Tool open 4 hrs., fair blow immediately, increasing to fairly strong blow in 30 min. lasting thruout test. Gas to surface in 96 min., no fluid to surface. Pulled 6 stands and reversed out to test tank. Recovered water blanket 750' and 75' heavily oil and gas cut mud and 3000' oil. Recovered below reverse circulating sub, 120' gas cut drlg. mud and water. Pressures: Initial flowing - 450#, final flowing - 1550#, 15 min. S.I. - 3000#, hydrostatic (in) - 4500# (out) 4450#.

Coring Record - Paddock

Core No. 1 - from 6195' to 6245' recovered 50' (100%)

Coring time - 13 hr. 2 min.

Average per foot - 15½ min/ft.

6195' - 6200', Gray, fine xln dolomite, dense, barren, very sli fractured w/thin white anhydrite inclusions, sli odor, sli staining on fractures.

6200' - 6210', Gray, fine xln dolomite, sli horizontal & vertical irregular fractures w/sli bleeding of dark brown oil & gas, very sli pp porosity, stylitic, thin white anhydrite inclusions scattered thruout, good odor, uneven staining thruout.

6210' - 6216', Gray, fine xln dolomite, sli horizontal & vertical fractures, sli bleeding of oil & gas in fractures, dense, no porosity, numerous thin white anhydrite inclusions, sli odor.

6216' - 6225', Gray, fin xln dolomite, dense & barren.

6225' - 6239' Gran, fine xln dolomite w/numerous vertical & horizontal shale partings bleeding oil & gas, very sli pp porosity, scattered thin white anhydrite inclusions thruout.

6239' - 6245', Gray, fine xln dolomite, dense, no porosity, very sli bleeding of oil & gas along vertical & horizontal shale partings.

Core No. 2 - from 6246' to 6296' recovered 50' (100%)

Coring time - 11 hr. 57 min.

Average per foot - 14.3 min/ft.

6246' - 6266' Gray to tan, fine xln dolomite, w/sli to fair pp porosity bleeding oil & gas. Scattered horizontal & vertical fracturing also bleeding oil & gas, stylitic w/numerous shale partings thruout, good odor, uneven staining thruout, scattered thin white anhydrite inclusions thruout.

6266' - 6296', Same as above except dense w/very sli bleeding of oil & gas along fractures.

