

Marathon Oil Company
Federal IBA Gas "Com"
Well # 1
Sec. 15, Twp 21S, Rge 23E
1650' FS&W lines of Sec. 15
Eddy County, New Mexico

DST # 1 - 7333-7460', Upper Pennsylvanian. No water blanket. Opened tool for 10 min w/ weak blow of air to surface immediately increasing to strong blow. Gas to surface in 4 min. Took 30 min ISIP. Opened tool for 1 hr thru 1" choke w/ FTP 610#. Flowed at rate of 12 MMCFPD. Flowed thru 19/64" choke w/ FTP 2125# at rate of 3.19 MMCFPD and 32.88 BCPD. Recovered 2 bbl condensate and no water in drill pipe. HI 3534#, 30 min ISIP 2890#, IFP 1729#, FFP 2761#, FSIP 2890#, HO 3534#.

DST # 2 - 9092-9125', Morrow "B" Sand. Opened tool for 3 min w/ weak blow of air immediately increasing to good blow. Closed tool and took 30 min ISIP. Opened tool w/ weak blow of air, increasing to good blow and remaining good throughout test. Tool open 2 hours. No show of gas.

DST # 3 - 9148-9228', Morrow "C" Sand. No test.

DST # 4 - 9196-9242', Morrow "C" Sand. Opened tool for 3 min w/ strong blow immediately. Took 30 min ISIP w/ gas to surface in 5 min after starting ISIP. Tool open 2 hrs w/ strong blow immediately decreasing to very weak blow in 30 min and remaining weak throughout test. Took 120 min FSIP. Recovered 300' mud cut salt water. Recovered in sampler 1580 cc salt water and 0.3 ft³ gas. HI 4444#, 30 min ISIP 3393#, IF 60#, FF 174#, 120" FSIP 3383#, HO 4444#.

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