Bertha Barber Well #11, Monument-Jueen Gas Pool

DST #1, testing from 5535' to 5548', tool open at 10:45 p.m. Strong blow of gas to surface in 8 min. Recovered 2 bbls. oil and gas cut mud. Pulled test tool and recovdred 400' of sulphur water. Flowing pressure 450#, Hydrostatic pressure 2527.

DST #2, testing from 5495' to 5514'. Tool open 12 hrs. Strong blow of air immediately. Gradual decrease to weak blow in 1 hr. Lasted thruout test. Gas to surface in 3 hrs. Recovered 4 bbls. sulphur water cut with drilling mud. S.I, 15 min. pressure 1750#, flowing pressure 200#, hydrostatic pressure 2350#. Recovered 219' sulphur water.

DST #3, testing from 5222' to 5240', Tool open at 4:20 a.m. Strong blow air for 30 min. graually decreased to weak blow in 45 min. Continued very weak blow for 3 hrs. Ran swab 5 times. No recovery. Unseated packer to check if perforati ons were plugged. Re-seated packer and had fair blow of air for 3 min. recovered 10' free oil and 720' oil & gas cut drilling mud, and 270' very slightly gas cut drilling mud. Flowing pressure 150#, hydrostatic pressure 2150#, 1/2" bottom choke and 12 top choke.

DST #4, testing from 5222' to 5240' and 5132' to 5168'. Tool open at 9:25 p.m. 1/2" bottom choke and 1" top choke. Strong blow for 45 min. decreased to very weak blow for 5 hrs. Gas to surface in 49 min. Fluid level at 2000'. Recovered 4 bbls. of black sulphur water with swab. Recovered 3600' of fluid or 14 bbls. of black sulphur water. 15 min. S.I. pressure 1675#, hydrostatic pressure 2375#, initial flowing pressure 225#, final flowing pressure 1675#.

Core Description: Paddock 5222' to 5272', recovered 50'.

5251 to  $5257\frac{1}{2}$  - Cr. to tan; xln., to gran., dense dolo., horizontal & vertical fractures thruout, barren.

5257½'-62½' - Cr. to tan, xln. to gran. dolo., sli pp porosity, horizontal & vertical fractures thruout, good bleeding of oil, gas & water from pores & fractures. Water did not taste of salt or sulphur.

 $5262\frac{1}{2}-65\frac{1}{2}$  - Cr. to tan, xln. to gran. dolo., sli pp porosity, sm. scattered vugs thruout, bleeding oil, gas & water. Horizontal & vertical fracturing w/xln. sulphur deposits in vugs & fractures, also mi ca deposits in vugs.

52652-662 - Cr. to tan, xln. to gran. dolo., scattered sli pp porosity, horizontal & vertical fracturing thrucut w/good bleeding oil, gas & water from pores & fractures. Styolite, xln. sulphur deposits in vertical fracturing.

 $5266\frac{1}{2}$ -68 - Cr. to tan, xln. to gran dolo., scattered sli pp perosity, horizontal & vertical fracturing, barren.

5268-72 - Cr. to tan, xlh. to gran., dense dolo., horizontal & vertical fracturing, xln. sulphur deposits in fracture, anhydrite depositions thruout, barren.

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Erel, bisting from 5536' to 5556', and open at 10:15 o.m. Strong ind if par modice in decreased 2 rolls. oil san gas dut aud. rathed took took and resovered 100' of subdiam mater. Moster precuure 150%, harostate present

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Jul 90, testing from \$2221 to \$2bot and \$1321 to \$1561. Tool open at \$125 ...

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new blow for 5 ars. And th samface in 1/1 min. Fluid level at 20001. headstant

1/ 1010. Of black sulphur water with swab. necovered \$6001 of fluid or 10 bbls.

1/ black sulphur water. Is min. 5.1. pressure 16/5#, hydrostatic pressure 23/5%,

1/ 1111. Iteming pressure 225#, final flowing pressure 1675#.

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