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U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

6214 with 200 sacks cement to 4500 psi. Drilled out cement plugs, tested squeezed perforations to 1400 psi, drilled bridge plug, and cleaned out to plug back depth.

Set retrievable bridge plug 6643. Spotted acid and set packer 6993'. Acidized with 500 gallons 15% regular. Breakdown pressure 2500 psi, treating pressure 1900 psi, injection rate 3 barrels per minute. Tested 3000 MCFTD, 78 barrels oil per hour, no water. Set retrievable bridge plug 6951'. Spotted acid and set packer 6198'. Acidized with 500 gallons 15% regular. Breakdown pressure 3000 psi, treating pressure 1700 psi, injection rate 2 barrels per minute. Tested 1090 MCFTD, 13 barrels oil per hour, no water. Reperforated 2 shots per foot 6330-6342. Set retrievable bridge plug 6353. Spotted acid and set packer 6907'. Acidized with 500 gallons 15% regular. Breakdown pressure 2600 psi, treating pressure 1800 psi, injection rate 2 barrels per minute. Tested gas too small to measure and 1 barrel water per hour. Set magnesium bridge plug 6365 and squeezed 6330-6342 with 100 sacks cement. Re-squeezed with 100 sacks cement to 4500 psi. Re-perforated with four shots per foot 6166-6178. Acidized with total 4500 gallons 15% regular and some tested dry. Squeezed with 150 sacks cement to 4400 psi. Perforated two shots per foot 6090-6098. Acidized with total 3500 gallons 15% regular and some tested dry. Squeezed with 150 sacks cement to 4400 psi. Drilled cement plugs and magnesium bridge plug and cleaned out to plug back depth. Re-perforated two shots per foot 6198-6214. Set retrievable bridge plug 6237. Spotted acid and set packer 6189. Acidized with total 2500 gallons 15% regular and tested dry. Perforated with four shots per foot 6191-6197 and reperforated four shots per foot 6198-6209. Isolated zone and acidized with 3000 gallons 15% regular with test results inconclusive due to by pass of bridge plug. Re-set bridge plug and packer and zone tested 3 barrels water per hour. Reperforated two shots per foot 6380-6400. Set retrievable bridge plug 6490. Spotted acid and set packer 6363'. Acidized with 1000 gallons 15% regular. Breakdown pressure 3400 psi, treating pressure 1400 psi, injection rate 2-1/2 barrels per minute. Tested 1020 MCFTD and 43 barrels water per hour. Set magnesium bridge plug 6450'. Squeezed 6380-6400 with 150 sacks cement to 4400 psi. Squeezed 6191-6214 with 150 sacks cement to 4600 psi.

Perforated four shots per foot 5598-5600'. Acidized with total 2500 gallons 15% regular and scrubbed dry. Squeezed with 100 sacks cement to 4400 psi. Perforated with five shots per foot 5542-5552.