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Note: 7" casing collars are located at 2,323', 2,349', 2,379', 2,409', 2,437', 2,467', 2,495', 2,525', 2,555',

CONVERSION PROCEDURE Keely "C" Federal No. 21 June 30, 1986 Page 3

- 8. MI treating company. Phillips supervisor will hold safety meeting with treating company personnel. RU to acidize the San Andres interval with 4,000 gallons of 15% NEFE HCl. Load annulus with 2% KCl water and monitor level in annulus during treatment. Pressure test all lines to 5,000 psi before starting treatment. Keep treating pressure as low as possible, maximum treating pressure 5,000 psi. Treat at 4-5 BPM as follows:
 - Open circulating valve and displace tubing with 400 gallons of acid. Close circulating valve.
 - b. Pump 3,600 gallons of acid containing one (1)
 l.l s.g. ball sealer in each 50 gallons acid (97 balls total).
 - c. Flush with 24 bbls of 2% KCl water.

Note: 15% acid must contain clay stabilizer.

- 9. Flow and swab back acid and load water (total volume is 119 bbls).
- 10. COOH with tubing and packer.
- 11. GIH with 7" packer-type RBP and 7" RTTS-type packer on tubing. Set RBP at +2,690'. Set packer at +2,680' and test RBP to 1,000 psi. Release packer.
- 12. Set packer at +2,310'. RU and swab well to lower fluid level in tubing.
- 13. RU treating company to acidize Grayburg perforations with 5,200 gallons of 7-1/2% NEFE HCl. Load annulus with produced water and hold 500 psi on annulus while treating. Pressure test all lines to 5,000 psi before starting treatment. Keep treating pressure as low as possible, maximum treating pressure 5,000 psi. Treat at 4-5 BPM as follows:
 - a. Open circulating valve and displace tubing with 350 gallons of acid. Close circulating valve.
 - b. Pump 4,850 gallons of acid containing one (1)
 l.1 s.g. ball sealer in each 50 gallons acid (97 balls total).
 - c. Flush with 24 bbls of 2% KCl water.
 - Note: 7-1/2% acid must contain clay stabilizer and fines suspension agent.

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- 14. Flow and swab back acid and load water (total load volume 148 bbls).
- 15. Unseat packer, GIH and release RBP. COOH with tubing, packer, and bridge plug.
- 16. Notify N.M.O.C.D. (Mike Williams, (505) 748-1283, Artesia, New Mexico) 24 hours prior to performing this step. GIH with 7" Baker Model AD-1 (or equivalent) plastic coated injection packer on plastic coated 2-3/8", 4.7#/ft, J-55 8rd EUE tubing. Displace tubing-casing annulus with 2% KCl water containing 1% by volume of Techni-hib 370 (packer fluid). Set packer at +2,335' in 10,000 lbs tension. Pressure test casing to 500 psi for 15 minutes; use two-pen recorder to record tubing and casing pressure during test.

Note: Packer should have shear ring installed to allow the packer to be released by shearing with $\pm 25,000$ lbs tension.

17. Remove BOP, install wellhead injection assembly, and place well on injection. Do not exceed 465 psi surface injection pressure.

JCC/TDW

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