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BLM Form 3160-5 dated March 9, 2004
Doyle Hartman
Jack "A-20" No. 10
O-20-24S-37E
API No. 30-025-24789

Details of Completed Fishing and Cleanout Operations

Moved in well service unit, on 8-10-00. Pulled and laid down old rods.

Rigged up wireline company. Ran free point. Found tubing 50% free at 3106', and 100% free at 3000'. Cut 2 3/8" O.D. tubing at 2850' (inside of 5 1/2" O.D. casing).

Ran bottom-hole fishing assembly, consisting of overshot, bumper sub, (6) 3 1/2" O.D. drill collars, and set of hydraulic jars. Latched onto fish. Jarred fish loose. Pulled and laid down 100 jts of 2 3/8" O.D. tubing, plus 4' of 101st jt of 2 3/8" O.D. tubing. Left in hole remainder of 101st jt of 2 3/8" O.D. tubing, 102nd jt of 2 3/8" O.D. tubing, and corresponding lower portion of rod string.

From 8-15-00 to 8-26-00, cleaned out open hole, and fished for remainder of parted tubing and rods. Top of fish at 3241'. Unable to recover lower 58' of tubing and rods (between 3241' and 3299').

Ran new 2 3/8" O.D. tubing to 3182'. Pumped 3000 gal of 15% MCA acid down 2 3/8" O.D. tubing. Allowed acid to fall and equalize.

Landed 2 3/8" O.D. tubing at 3212' (99 jts @ 32.18'/jt + 1.1'SN + 18'MA - 3'AGL + 10'KBC = 3211.92'). Pumped 4000 gal of 15% MCA acid down 5 1/2" O.D. casing. Flushed acid with 35 bbls of 2% KCl water, at 3 BPM, at 502 psi.

ISIP = 389 psi
1-min SIP = 175 psi
2-min SIP = 100 psi
4-min SIP = 0 psi

Ran 2" x 1 1/4" x 12' RHAC insert pump and new 3/4" API Class "KD" rod string. Started pumping well, and recovering load, at 4:30 P.M., 8-26-00, at 8.5 Spm x 42" x 1 1/4". 19.5-hr SIP = 112 psi.