

WORKOVER PROCEDURE

McCord "A" No. 1
660' FSL and 560' FEL
Section 19, T-21-S, R-27-E
Burton Flat Field
Eddy County, New Mexico

PURPOSE: Add Atoka Pay and dual complete well.

AFE NO.: 44689 API NO: 30-015-2494

ELEVATION: 3168' KB, 3147' GL

TOTAL DEPTH: 11,670' PBTD: 11,621'

SURFACE CASING: 13 3/8", 48#/ft., H-40, ST&C set @ 473'.
Cemented w/525 sxs. Cement circulated.

INTERMEDIATE CASING: 8 5/8" Set @ 2915'. DV tool @ 1507'.
Cemented 1st stage w/975 sxs. Cemented
2nd stage w/1600 sxs total. Cement at
surface.

PRODUCTION CASING: 4 1/2" 11.6 & 13.5 #/ft. N-80, set @
11,670'. Cement w/375 sxs. "H" 50/50
poz. Est TOC @ 10,000'.

PRODUCTION TUBING/BHA: 2 3/8" 4.7#/ft, N-80, EUE and on/off
tool, (1.875" profile w/1.79" No-Go) and
2 3/8" X 4 1/2" Otis Permalatch packer @
11,369'.

PERFORATIONS: Morrow 11,460-478' w/14 holes.

SAFETY: Maximum potential surface pressure.

<u>Formation</u>	<u>Surface Pressure</u>	<u>Producing Rate</u>	<u>H2S</u>
Morrow	770 psi	150 MCFD	No
Strawn (proposed)	4500 psi	1300 MCFD	Not Expected

1. Inspect location and test safety anchors. MIRU pulling unit.
2. RIH and set selective tubing plug in profile nipple at 11,369'. Blow down tubing. Load tubing w/2% KCl water containing 0.2% Cla-Sta II.
3. ND wellhead. NU 6" - 1500 series hydraulic BOP. Unlatch on/off tool and POOH w/tubing and downhole assembly.
4. RIH w/packer and plug to test blinds and pipe rams to maximum working pressure.
5. PU 4 1/2" retrievable bridge plug with ball catcher, 4 1/2" treating packer, seating nipple and RIH to +/- 11,000' and set RBP. Circulate hole w/2% KCl water containing 0.2% Cla-Sta II. Pull up packer to +/-10,650' and set. Test tubing, packer and plug to 6,000 psi.
6. RU swab. Swab fluid level to 5,000'. RD swab.
7. RU perforators. Install wireline BOP and lubricator. Test lubricator to 3,000 psi. RIH w/1 9/16" tubing gun. Pull gamma-ray, CCL log from 10,900' to 10,675'. Correlate w/open hole logs.