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October 22, 1993

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Williams Production Company
ROSA UNIT #105 (G1/Dk)
940' FSL, 960' FEL
Sec. 22, T31N, R4W
Rio Arriba County, NM
SF-078893

PLUG AND ABANDONMENT REPORT

Plugging Summary: (cont'd)

- 10-19-92 Safety meeting. Open well up, started unloading. Pump 30 bbls down casing to kill well. PU 4-1/2" cement retainer and RIH; set at 8671'; pressure test tubing to 1500#. Establish rate into Dakota perfs. Plug #1 from 8836' to 8671' with 28 sxs Class B cement, squeeze 23 sxs below CR and spot 5 sxs above. POH with setting tool, found tool damaged, probably caused by Gallup perforations. PU 4-1/2" cement retainer and RIH; set at 7661'; establish rate into Gallup perfs. Plug #2 from 8182' to 7661' with 109 sxs Class B cement, squeeze 49 sxs below CR then pressured up to 1400#, pull out of CR and spot 60 sxs above up to 6581'. POH to 4500' and SDFN.
- 10-20-93 Safety meeting. Attempt to load well, found tubing plugged. POH and LD 8 joints tubing with cement inside. RIH with open ended tubing to 6291'. Circulate hole with 27 bbls water. Plug #3 from 6291' to 6128' with 12 sxs Class B cement. POH to 4107'. Plug #4 from 4107' to 2959' with 85 sxs Class B cement. POH to 1890'. Plug #5 from 1890' to 1701' with 14 sxs class B cement. POH and LD tubing. Shut in well and SDFN.
- 10-21-93 Safety meeting. Pressure test casing. Perforate 2 holes at 483'. Attempt to establish circulation out bradenhead, pressured up to 700#. Procedure change approved by M. Flanagan with BLM. RIH with tubing to 521'. Plug #6 from 521' to surface with 48 sxs Class B cement, circulate good cement out casing. POH and LD tubing. ND BOP and cut off wellhead. Fill 13-3/8" and 4-1/2" casings with cement and install P&A marker, total 35 sxs cement. Rig down and move off location.