

June 7, 1992

Plugging & Abandonment Procedure - U. S. Argo #1 (Dk)
NW, Sec. 18, T27N, R10W
San Juan County, New Mexico

1. Move pulling unit on location and rig up; blow well down; ND wellhead; NU BOP and test.
2. POH with 5895' 2-3/8" tubing and packer (Guiberson Model L-8); tally and inspect tubing, LD packer.
3. RIH with open ended tubing to 6270'; pump 24 bbls water.
4. Plug #1 from 6270' to 5992' with 75 sxs Class B neat cement; pull out of cement.
5. WOC and then tag cement; spot mud from top of cement to 5190', 15 bbls.; POH to 5100'; pressure test casing to 500#.
6. Perforate 4 holes at 5190'; RIH to 5190' and pump into perforations.
7. Plug #2 from 5190' to 5090' with 60 sxs cement, squeeze 43 sxs outside casing; PO cement and WOC. Then spot mud from top of cement to 3183'; POH.
8. Perforate 4 holes at 3183'; PU 5-1/2" cement retainer and RIH; set at 3133'; establish rate into perforations; Plug #3 from 3183' to 3083' with 60 sxs Class B cement, squeeze 43 sxs outside casing and 17 above.
9. PO cement to 3030' and spot mud from 3030' to 2610', 11 bbls.; POOH with setting tool.
10. Pressure test casing; Perforate 4 holes at 2610'; pump into perforations; RIH open ended and pump Plug #4 from 2610' to 2510' with 60 sxs cement, squeeze 43 sxs outside casing; PO cement and WOC. Tag cement and then spot mud from top of cement to 1634'; POH to 1634'.
11. Plug #5 from 1634' to 1534' with 17 sxs Class B cement, PO cement and spot mud from 1484' to 1365', 4 bbls; POH to 1250'; pressure test casing.
12. Perforate 2 holes at 1365' and pump into perforations; RIH to 1365' and pump Plug # 6 from 1365' to 1265' with 60 sxs Class B cement, squeeze 43 sxs outside casing; PO cement.
13. WOC and tag cement; spot mud from top of cement to 725', 12 bbls., POH to 625' and perforate 2 holes at 725'; pump into perforations. RIH to 725'.