

January 9, 1997

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Fannie Ward #1  
Unit K, Sec.18, T30N, R11W  
San Juan County, New Mexico  
30-045-09481

*gjt*  
Plug & Abandonment Procedure:

1. MIRUSU. Comply with all NMOC, PMCI and Southwest Production safety rules and regulations.
2. Blow well down, kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. POH and visually inspect and tally 2 3/8" tubing.
4. RIH to 6384', circulate water and spot cement Plug #1 from 6284' to 6384' with 11 sxs Class B cement (DK top 6334').<sup>OK</sup> POH to 5522' and circulate hole clean.
5. Spot cement Plug #2 from 5422' to 5522' with 11 sxs Class B cement (GL to 5472'). POH 5 stands to 5212' and circulate hole clean. POH. <sup>OK</sup>
6. Rig up and perforate 4 holes at 3490' (MV top 3440').<sup>OK</sup> PU 4 1/2" cement retainer and RIH, set at 3390'; establish rate into perfs. Plug #3 from 3390' to 3490' with 55 sxs Class B cement, squeeze 39 sxs outside casing and 11 sxs inside. Pull out of CR and spot 5 sxs cement on top of CR. POH 5 stands to 3080' and circulate hole clean. POH.
7. Rig up and perforate 4 holes at 1923' (PC top 1873').<sup>OK</sup> PU 4 1/2" cement retainer and RIH, set at 1823'; establish rate into perfs. Plug #4 from 1823' to 1923' with 55 sxs Class B cement, squeeze 39 sxs outside casing and 11 sxs inside. Pull out of CR and spot 5 sxs cement on top of CR. POH 5 stands to 1513' and circulate hole clean. POH.
8. Rig up and perforate 4 holes at <sup>1275</sup>~~1571~~' (FT top ~~1571~~'). <sup>1225</sup> PU 4 1/2" cement retainer and RIH, set at 1471'; establish rate into perfs. Plug #5 from 1471' to 1571' with 55 sxs Class B cement, squeeze 39 sxs outside casing and 11 sxs inside. Pull out of CR and spot 5 sxs on top of CR. POH 5 stands to 1161' and circulate hole clean. POH.
- 9a. Rig up and perforate 4 holes at 545' (50' below Kirt top and 214' below casing at 331'). Establish circulation out bradenhead; Plug #6 from 545' to surface with approximately 250 sxs Class B cement, circulate good cement to surface; shut in well; WOC.
- 9b. If circulation through bradenhead cannot be established in 9a, then pump 46 sxs Class B cement followed by 4 BW then 10 sxs Class B cement to establish an inside/outside plug

Fannie Ward #1, P & A Procedure Cont.

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from 445' to 545' and an inside plug from 135' to surface;  
shut in well; WOC.

10. ND BOP and cut off wellhead below ground level and install  
dry hole marker. RD and MOSU. Restore location.

APR-06-01 FRI 08:23 AM

## EXISTING WELL

Fannie Ward #1  
Unit K, Sec.18, T30N, R11W  
San Juan County, New Mexico

10 3/4" CSG 3275# @ 331'  
(444' Cmt 70% EFF)

FT 1521'

PC 1873'

MV 3440'

GL 5472'

DK 6334'

TOC 4832'  
(70% EFF)

DK Perfs: 6334'- 6504'

Tubing @ 6480'

4 1/2" Csg 11.6# 6600'  
7 7/8" HOLE

## PLUGGED WELL

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