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WORKOVER PROCEDURE Fruitland Recompletion

October 26, 1992

San Juan 28-7 Unit #249 Basin Fruitland Coal Sec. 30 T28N-R7W

- 1. Check location for anchors. Install if necessary. Test anchors.
- 2. MIRUSU. Blow well down. Kill with 2% KCl if necessary. NDWH. NUBOPs. TOH.
- 3. POOH with 1 1/2" tbg. RIH with 2 3/3" tubing and cement retainer. Set retainer at 6700'.
- 4. Squeeze below retainer with 66 sx of Class B cement. Sting out of retainer and leave cement to 5900' (89 sx Class B cement).
- 5. Load hole with 9 ppg mud. Set a cement plug from 4500' to 4050' with 50 sx Class B cement and from 3100' to 3000' with 15 sx Class B cement. WOC.
- 6. TIH and tag TOC. Circulate hole clean. POOH.
- 7. Run freepoint test on 4 1/2" casing.
- 8. TIH with string shot and back off 4 1/2" casing above intermediate casing shoe @ 2794' (Estimated TOC @ 2400'). If freepoint is deeper than 2400', backoff at the nearest joint above the freepoint. Otherwise, call Denver. TOH with casing. Lay down 4 1/2" casing.
- 9. TIH with casing scraper to immediately above casing stub. TOH.
- 10. TIH with pkr and set above casing stub. Pressure test below pkr to 3740 psi (80% of yield). Load backside. Pressure test casing to 3740 psi (80% of yield). Report any problems to Denver.
- 11. Set a CIBP above casing stub.
- 12. Run a cased hole CNL/GR/CCL log from PBTD to 2000'. (Note filled with liquid through logged interval.) Fax a copy to Denver immediately for review.

Page 2 of 2

San Juan 28-7 Unit #249 Basin Fruitland Coal Sec. 30 T28N-R7W

- 13. Install frac head, if possible, otherwise install isolation tool and pressure test.
- 14. TIH with 4" perforating gun, 90 deg phasing, minimum 22 gram charge. Perforate underbalanced w/8 JSPF at depths provided by Denver after reviewing the cased hole neutron log.
- 15. Fracture stimulate down casing according to the attrached procedure.
- 16. Flow well back slowly, attempting to avoid sand production.
- 17. TIH with 1 1/2" tubing. Circulate out fill to PBTD. When sand production stops land tubing @ depth provided by Denver (dependent upon perfs). Swab well in if necessary. RDSU.
- 18. Put well on line and produce through existing facilities to pipeline. Contact El Paso ahead of time so that metering facilities are prepared for a Fruitland well.
- 19. Report gas and water rates on morning wire for 2 weeks. Catch wellhead gas and water samples and submit for analysis.

NOTE: If problems encountered, notify Cris Zogorski at (303) 830-4118 - Work (303) 751-2218 - Home

SJ 28—7 UNIT 249 2176 Location — 30H— 28N— 7W SINGLE DK Orig.Completion — 2/79 Last File Update — 1/89 by DDM

BOT OF 9 625 IN OD CSA 206 32.3 LB/FT, H-40 CASING TOC - SURF BOT OF 7 IN OD CSA 2794, 20 LB/FT K-55 CASING TOC - 1325 BOT OF 1.5 IN OD TBG AT 6961 PBTD AT 7005 FT. TOTAL DEPTH 7021 FT. Cathodic Protection - ?