State of New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division

1. Type of Well GAS 6. State Oil&Gas Leas E-290-19 7. Lease Number 7. Lease Number 8. Well No. \$146 PO Box 4289, Farmington, NM 87499 (505) 326-9700 4. Location of Well, Footage, Sec., T. R. M B90'FSL, 840'FML, Sec.36, T-27-N, R-5-W, NMPM, Rio Arriba County, NM Type of Submission X Notice of Intent Recompletion Subsequent Report Plugging Back Pinal Abandonment Casing Repair Casing Repair Water Shut off Tother Tubing Repair 13. Describe Proposed or Completed Operations It is intended to repair the tubing in the subject well according to the attached procedure. Regulatory Administrator December 20, 1999 CThis space for State Use) COMMAN SIGNED BY CHARRIET RECORN PRESSOR PRESSOR REQUISITOR DESCRIPTION REPUTY OIL & GAS INSPECTOR, DIST. \$3 PRESSOR REQUISITOR DIST. \$4 PRESSOR REQUISITOR DIST. \$4 PRESSOR RESULT OIL & GAS INSPECTOR, DIST. \$4 PRESSOR RESULT OIL & GAS INSPECTOR, DIST. \$4 PRESSOR RESULT OIL & GAS INSPECTOR, DIST. \$4 PRESSOR REPUTY OIL & GAS INSPECTOR, DIST. \$4 PRESSOR REPUTY OIL & GAS INSPECTOR, DIST. \$4 PRESSOR PRESSOR REPUTY OIL & GAS INSPECTOR, DIST. \$4 PRESSOR REPUTY OIL & GAS INSPECTOR, DIST. \$4	SIGNATURE Type of Well GAS 6. State OilaGas Lease E-290-19 7. Lease Number 7. Lease Number 8. San Juan 27-5 Unit 8. Well No. 4146 8. Well No. 4146 9. Pool Name or Wildon Blanco MV/Basin DK 10. Location of Well, Footage, Sec., T. R. M 10. Elevation: 890'FSL, 840'FKL, Sec.36, T-27-N, R-5-W, NMPM, Rio Arriba County, NM Type of Submission X Notice of Intent Abandonment Casing Repair Water Shut off Altering Casing Conversion to Injection X Other - Tubing Repair 3. Describe Proposed or Completed Operations It is intended to repair the tubing in the subject well according to the attached procedure. SIGNATURE Regulatory Administrator December 20, 1999 trc This space for State Use) PROMMALEKONED BY CHARMET I SCORNI PROPERTY ON & GASS INSPECTOR, DIST. \$3		Sundry Notices and R	eports on Wells	
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San Juan 27-5 #146

Dakota/Mesa Verde Commingle 890' FSL and 840' FWL Unit M, Section 36, T27N, R05W

Latitude / Longitude: 36° 31.5170'/ 107° 18.9203'

DPNO: 4406201/4406202 **Tubing Repair Procedure**

Project Summary: The San Juan 27-5 #146 (Dakota formation) was drilled in 1972. A Mesa Verde payadd and commingle was completed in June 1996. The tubing was last pulled in November 1996 for a tubing repair. A fish was left in the hole at 8255' in 1996, which we will NOT attempt to recover. Do not go below 8250' to avoid the fish. A wireline check (3/26/98) indicates fill at 7890'. We propose to replace the 1-1/2" tubing with 2-3/8" tubing, clean out fill and add a plunger lift. NOTE: It is likely that the MV is heaving a substantial amount of frac sand. Three month average production is 6 MCFD (Dakota) and 53 MCFD (Mesa Verde). Estimated uplift is 74 MCFD (Dakota) and 23 MCFD (Mesa Verde). Cumulative production is 636 MMCF (Dakota) and 140 MMCF (Mesa Verde).

- 1. Hold safety meeting. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig. Notify BROG Regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document approval in DIMS/WIMS. Allow as much time as possible prior to pump time in case the Agency decides to witness the cement job.
- MOL and RU workover rig. Obtain and record all wellhead pressures. NU relief line. Blow well 2. down and kill with 2% KCL water if necessary. NU BOP with stripping head. Test and record operation of BOP rams. Have wellhead and valves serviced as necessary. Test secondary seal and replace/install as necessary.
- The tubing is 1-1/2", 2.9#, J-55 set at 8207'. Release donut and TOOH laying down the 1-1/2" 3. tubing.
- Pick up 2-3/8", 4.7#, J-55 new or yellow banded tubing. TIH with 3-7/8" bit and watermelon mill 4. on 2-3/8" tubing to 8250' (stay above fish), cleaning out with air/mist. PU above the perforations and flow the well naturally, making short trips for clean up when necessary. TOOH with tubing. NOTE: When using air/mist, minimum mist rate is 12 bph.
- TIH with one joint of 2-3/8" tubing with an expendable check on bottom and a seating nipple one 5. joint off bottom. Run a broach on sandline to insure that the tubing is clear. Land tubing at approximately 8210'. ND BOP and NU WH. Pump off expendable check. Connect to casing and circulate air to assure that expendable check has pumped off. If well will not flow on its own, make swab run to SN. RD and MOL. Return well to production.

6. Production operations will install the plunger lift.

Recommended: 7.1.7.11 128-99
Operations Engineer

Approved:

Bruce D. Boy 13.14.99 Drilling Superintendent

Tim Friesenhahn

Office - 326-9539

Pager - 324-7031

TJF/jms