

**ATTACHMENT C-103**  
**NORTH VACUUM ABO UNIT #156W**  
**API # 30-025-23696**

11-14-97 MIRU WELLCO RIG #91. BLEED WELL DOWN, ND WELLHEAD, NU BOP. READY TO PULL TBG IN AM.

11-15-97 OPEN TBG TO PIT, FLOW DN, REL. TBG ANCHOR ASSY. FLOW OUT BACKSIDE. KILL TBG W/30 BBL 10# BRINE. POOH & LD 2 7/8" TBG. MIRU LOGGERS, RUN GUAGE RING & GR, CORRELATE & SET TOP CIBP @ 8370'. (COLLAR @ 8376'). PRESSURE TEST TO 750#. SDFN.

11-16-97 OPEN CASING VALVE, WELL FLOWING, CIBP NOT HOLDING. CALL OUT WEDGE WL, WO TRUCK. MIRU WL, RIH W/ALPH TOP DRILL CIBP, SET TOP OF PLUG @ 8364'. FLOW SHUT OFF. PRESSURE TEST TO 750#. PU & RIH W/NEW AOH DP. SDFN.

11-17-97 CONT IN HOLE W/AOH DP, TAG ON CIBP @ 8356' TBG TALLY. CORRECT TO WL DEPTH OF 8364'. POOH W/STD DP, WORK ON RIG. SDFN.

11-18-97 POOH W/MILLS, RIH W/WEATHERFORD WHIPSTOCK TOOL W/SHEAR TOOL, CK & ORIENT TF TO 132 AZ, SET WHIPSTOCK, RAN GYRO SURVEYS TO SURFACE. SWI, SDFN.

11-19-97 R/U HES PICKEL DRLG PIPE W/500 GALS 15% HCL ACID, P/U SWIVEL, START DRLG W/STARTER MILL F/8348' CUT 18" CIRC CLEAN, POOH W/MILL. SWI, SDFN.

11-20-97 RIH W/WEATHERFORD WINDOW MILL + WATERMELLON MILL ON 2 7/8" AOH DP, SECURE WELL, DN FOR REPAIRS.

11-22-97 MILL WINDOW & DRILL 4' FORMATION. TD = 8358'. TOP OF WHIPSTOCK = 8348', BTM OF WINDOW = 8354'. PUMPED TWO SWEEPS & CIRC. HOLE CLEAN. RIG DOWN PULLING UT., CLEAN LOCATION, CREW TO YARD.

11-25-97 MIRU WELLCO RIG #89 & HORIZONTAL EQUIP. SPOT & RU PUMPS, PITS, & LINES. POOH & LD AOH DP, LD WINDOW & WATERMELON MILLS., RIH W/CURVE BLDG ASSY. TO 8358'. RU SWIVEL, CIRC HOLE. RU GYRO DATA, RIH W/GYRO TO TD, TIME DRILL CURVE F/8358-8362' TD.

11-26-97 CONT TIME DRLG W/GYRO F/8362-8505' (8482' TVD).

11-27-97 CONT DRILL CURVE F/8505-8611' TD. LD CURVE MOTOR, BIT & MWD. PU LATERAL MOTOR, TIH W/LATERAL ASSY TO 8611'. DRILL NEW FORMATION F/8611-8670' MD. LAST SURVEY @ 8640', 89.4 DEG, 127 DEG AZ, 215.67 VERTICAL SECTION.

11-28-97 DRILL LATERAL #1A1 F/8670-8888' TMD.

11-29-97 SLIDE, ROTATE DRILL F/8888-9290' TMD.

11-30-97 CONT. DRILL F/9290-9413' TMD, TD WELL W/956' VERTICAL SECT. @ 87.5 DEG ANGLE, 126 DEG DIR, TVD 8521', POOH & LD DP, DC'S, PH6 & SPERRY BHA. LD SWIVEL. RIH W/BKR PIP INFLATABLE PKR, PLUG IN PLACE.

12-01-97 FIN RIH W/BKR INFLATABLE PKR. SET @ 8604'. EOT @ 8641'. MOVE OUT SUBSTRUCTURE, ND BOP, NU 2 7/8" TBG HANGR, SWI, CONT. RD, WO/DAYLIGHT, RELEASE RIG @ 8:30 AM. END OF DRILLING JOB. LAST REPORT.