TITLE

PETROLEUM ENGINEER

APPROVED BY

Conditions of approval, if any:

DATE MAR 0 6 2003

## EAST VACUUM GB/SA UNIT #2658-001

01/25/03: KILL WELL. SET RBP @ 4350'. UNLATCH FROM RBP. POOH AND SET PACKER @ 4299'. RU PUMP TRUCK TO TUBING AND TEST RBP TO 1000 PSI. HELD GOOD. RU PUMP TRUCK TO CASING AND TEST CASING TO 1000 PSI. COULD NOT GET CASING TO PRESSURE UP. ABLE TO PUMP INTO LEAK @ 1-1/2 BPM, 300 PSI. OPEN BYPASS ON PACKER AND CIRCULATE OIL OUT OF HOLE. UNSET PACKER. POOH WITH 38 STANDS OF TUNING AND SET PACKER @ 2199'. RU PUMP TRUCK TO CASING. TEST TO 1000 PSI. HELD GOOD. UNSET PACKER. TIH WITH 14 STANDS TUBING AND SET PACKER @ 3086'. TEST CASING TO 1000 PSI. HELD GOOD. UNSET PACKER. TIH WITH 10 STANDS TUBING AND SET PACKER @ 3708'. TEST CASING. WOULD NOT HOLD PRESSURE. UNSET PACKER. POOH WITH 5 STANDS TUBING. SET PACKER @ 3397'. TEST CASING. WOULD NOT HOLD. UNSET PACKER. POOH WITH 3 STANDS TUBING. SET PACKER @ 3212'. TEST CASING. HELD GOOD. UNSET PACKER. TIH WITH 1 STAND TUBING. SET PACKER @ 3273'. TEST CASING. HELD GOOD. UNSET PACKER. TIH WITH 1 JT TUBING AND SET PACKER @ 3303'. TEST CASING. HELD GOOD. UNSET PACKER. TIH WITH 1 JT TUBING. SET PACKER @ 3334'. TEST CASING. HELD GOOD. UNSET PACKER. TIH WITH 1 JT TUBING. SET PACKER @ 3366'. TEST CASING. WOULD NOT HOLD PRESSURE. UNSET PACKER. TIH WITH 1 JT TUBING. SET PACKER @ 3397'. RU PUMP TRUCK TO TUBING. TEST TO 1000 PSI. HELD GOOD. LEAK FROM 3334' TO 3397'. RD PUMP TRUCK. SECURE WELL & SHUT DOWN.

01/26/03: CREW OFF FOR WEEKEND.

01/27/03: CREW OFF FOR WEEKEND.

**01/28/03:** BLEED WELL DOWN. FINISH POOH WITH TUBING AND PACKER. DUMP 3 SX SAND DOWN CASING AND WAIT FOR SAND TO FALL. TIH WITH 7" EZ DRILL RETAINER AND TUBING. MIRU HES CEMENT TRUCK. TEST LINES TO 2000 PSI. SET RETAINER @ 3295'. STING OUT OF RETAINER. CIRCULATE WELL WITH 30 BBLS BRINE WATER @ 3 BPM, 270 PSI. STING BACK INTO RETAINER. PRESSURE UP CASING TO 500 PSI. ESTABLISH INJECTION RATE @ 2 BPM, 330 PSI. PUMP 75 SX 0.3 % HALAD 322 PREMIUM PLUS @ 1.5 BPM, 277 PSI. PUMP 75 SX MICROBOND 1% CALCIUM CHLORIDE PREMIUM PLUS 1.5 BPM, 780 PSI. SHUT DOWN AND WASH PUMPS AND LINES. START FRESH WATER DISPLACEMENT, 21.8 BBLS @ 1 BPM, 1200 PSI. SHUT DOWN. STING OUT OF RETAINER. REVERSE CEMENT OUT OF TUBING WITH 60 BBLS WATER @ 3 BPM, 500 PSI. SHUT DOWN. RDMO HES CEMENT TRUCK. START POOH WITH TUBING. SECURE WELL & SHUT DOWN.

**01/29/03:** BLEED DOWN WELL. POOH WITH TUBING AND RETAINER STINGER. WAIT ON DRILL COLLARS TO ARRIVE. TIH WITH BIT, COLLARS AND 50 STANDS OF TUBING. RU REVERSE UNIT. CIRCULATE BRINE OUT OF HOLE. SECURE WELL & SHUT DOWN.

01/30/03: CIRCULATE TUBING CLEAN. TIH AND TAG TOP OF RETAINER @ 3296'. DRILL OUT RETAINER AND CEMENT TO 3400'. CIRCULATE CLEAN. SHUT DOWN & SECURE WELL.

**01/31/03:** LOAD CASING. TEST CASING TO 1000 PSI FOR 30 MIN. ENDING PRESSURE 930 PSI. WAIT ON ORDERS. TIH WITH BIT, COLLARS AND TUBING. WASH SAND OFF TOP OF RBP. RD REVERSE UNIT. POOH WITH TUBING, COLLARS AND BIT. TIH WITH RETRIEVING TOOL AND TUBING. LATCH ONTO RBP AND UNSET RBP. POOH LAYING DOWN 3-1/2 TUBING. SECURE WELL & SHUT DOWN.

**02/01/03:** FINISH POOH LAYING DOWN 3-1/2 TUBING. MIRU JSI WIRELINE TRUCK. TIH WITH GAUGE RING AND JUNK BASKET. POOH WITH GAUGE RING AND JUNK BASKET. TIH WITH CIBP AND SET @ 4284'. POOH WITH WIRELINE. RDMO JSI WIRELINE TRUCK. RU PUMP TRUCK TO CASING. LOAD CASING. TEST TO 1000 PSI FOR 30 MIN. LEAKED OFF TO 940 PSI IN 30 MIN. RD PUMP TRUCK. ND BOP. FLANGE UP WELLHEAD. RDMO WSU. WAIT TO SET WHIPSTOCK AND MILL WINDOW.

**02/13/03:** PJ & PTSM W/ TRUCKERS & RIG CREW. MI & RU KEY RIG 115, RU MUD & GAS SEPERATOR PRE-OPERATIONAL RIG INSPECTION. TEST BOP'S & CHOKE MANIFOLD (BOP'S 250 LOW & 1000 HIGH. CHOKE MANIFOLD 250 & 500). PU & TIH, TAG RUN W/ WINDOW & WATERMELL ON MILLS.

**02/14/03:** FINISH PU DP - TAG CIBP @ 4285' W/135 JTS DP IN HOLE. POOH, PU WHIPSTOCK & TIH. WO WIRELINE TRUCK. RU WIRELINE, GYRO IN HOLE, ORIENT WHIPSTOCK, SET WHIPSTOCK & RECHECK ORIENTATION (215.7 DEG). BOTTOM GYRO SURVEY – MD 4260' – TVD 4259.64' – V.S. 8.45 – INC DEG 0.96 – AZIMUTH 291.10. HORIZONTAL DISPLACEMENT – 10.35' IN DIRECTION OF 253.25 DEG @ 4260'. RD WIRELINE & PU SWIVEL. CUT WINDOW F / 4270' – 4277.5' (MILL OUIT CUTTING). PUMP SWEEP & POOH F / MILL CHANGE.

**02/15/03:** POOH, CHANGE OUT MILL & TIH. MILL F / 4277' TO 4280'. (TOW @ 4270' – BOW @ 4278' – BO WHIPSTOCK @ 4284'). STEEL LINE MEASURED. PUMP SWEEP, RD SWIVEL & RUBBER, LD 3 JTS DP & POOH. SHUT DOWN DUE TO HIGH WINDS. FINISH POOH & LD MILL. PU BHA & TIH TO 4280' (MOTOR BEND SET @ 2.00 W/ KICK PAD). INSTALL RUBBER, RU SWIVEL, RU WIRELINE, RIH W/ GYRO. ORIENT TOOL. TIME DRILL & SLIDE DRILL F / 4280' TO 4316' W/ TOOL FACE @ 214 DEG. 100 SPM = 206 GAL / MIN, = 115 RPM ON MOTOR.

**02/16/03:** SLIDE DRILL F / 4316' TO 4348' USING GYRO FOR SURVEYS 210 GYRO TF – 10L GTF. PULL GYRO & RD WIRELINE. MWD DEV SURVEYS. SLIDE DRILL F / 4348' TO 4443'. SURVEY @ 4399' – 31.3 DEG W/ 216.5 AZ. NO FLUID LOSS. TRIP TO CHANGE BEND IN MOTOR F / 2.00 TO 2.57 DEG. SLIDE DRILL F / 4443' TO 4578' F / 4450' DOWN: 25-50% FLOR, SLOW MILKY CUT, BGG: 50U CG: 75U, TG: 144U, NO CO2 & NO WATER LOSS. MWD DEV SURVEY, LAST SURVEY: 67.2 DEG-206.9 AZ @ 4524'. TRIP TO CHANGE MOTOR & MWD. NEW MOTOR W / 1.5 DEG BEND.

**02/17/03:** TIH W/ LATERAL ASSEMBLY (MOTOR BEND 1.5 W/ KICK PAD). MWD DIR SURVEYS, LAST SURVEY: 89.10 - 217.60. ROT & SLIDE DRILL F / 4578' TO 5153'. WOB: 10 - 20K, ROT RPM: 30, SPM: 120, MOTOR RPM: 138. 100% DOLOMITE. SHOWS RANGE F / POOR TO FAIR W/ 10 - 45% YEL FLOR, FAST CUT WET. FLUID LOSS 250 BBLS TOTAL.

**02/18/03:** MWD DIR SURVEYS, LAST SURVEY: 89.9 – 218.5. SLIDE & ROTATE DRILL F/ 5153' TO 5919'. WOB 10-30K, RPM 30, MOTOR RPM 138, SPM 120, GPM 247. 70% DOLOMITE, 30% ANHY. 24 HOUR FLUID LOSS 200 BBLS, TOTAL FOR WELL 450 BBLS.

**02/19/03:** MWD SURVEYS, LAST SURVEY – 92.90 – 221.90 @ 6341'. PROJECTION TO TD – 92.90 – 221.90 @ 6398'. ROT & SLIDE DRILL F / 5919' TO 6398'. 24 HOUR FLUID LOSS 150 BBLS, TOTAL FOR WELL 600 BBLS. TD WELL @ 17:30 HRS ON 02/18/03. 90% DOLOMITE & 10% CHERT. PUMP SWEEP & CIRC HOLE CLEAN. WAITING ON WEATHER (PUMP SWEEP, CIRC & WORK PIPE WHILE WAITING ON WIND TO LAY). POOH, LD DP & DIRECTIONAL TOOLS. FILL HOLE, CLOSE & LOCK BLIND RAMS & RD RIG. PREPARE TO MOVE TO HOUSE EVGSAU #3127-003. DROP FROM REPORT.