



**P&A OPERATION  
CEMENT SERVICE REPORT**

**WELL NAME:** EAST PUERTO CHIQUITO MANCOS UNIT #23 (H-6)

**TOTAL PLUGS SET:** 3

**DATE STARTED:** 05-10-01

**TOTAL SACKS USED:** 136 SX

**DATE COMPLETED:** 05-16-01

**BLM WITNESS:** A.YEPA  
**OPERATOR WITNESS:** N/A

MOL AND RU RIG. NU RELIEF LINE AND BLED DOWN CASING PRESSURE. POH AND LD 1 - 5/8" ROD. ND WELLHEAD AND NU BOP, TESTED BOP. POH AND LD 7- JTD 2 3/8" TBG. RU WIRELINE AND RIH WITH 4 1/2" GAUGE RING TO 2870'. POH. PU AND STRAP IN HOLE WITH 4 1/2" RETAINER AND SET AT 2821'.

**PLUG #1 (MANCOS, GALLUP, 2770' - 3137'); CIRCULATED HOLE WITH WATER AND PRESSURE TESTED CASING TO 500 PSI AND HELD GOOD. MIXED 46 SX CL. B CEMENT PLUG AND PLACED 38 SX BELOW AND 8 SX ABOVE RETAINER. POH.**

**PLUG #2 (SHOE, MESAVERDE, 1890' - 1990'); RIH WITH WIRELINE AND PERFORATED SQUEEZE HOLES AT 1990'. PU AND RIH WITH 4 1/2" RETAINER AND SET AT 1945'. ESTABLISHED INJECTION RATE INTO PERFORATIONS WITH WATER. MIXED 38 SX CL. B CEMENT PLUG AND PLACED 27 SX BELOW AND 11 SX ABOVE RETAINER. POH.**

**PLUG #3 (SURFACE, SHOE, 0' - 150'); RIH WITH WIRELINE AND PERFORATED SQUEEZE HOLES AT 150'. HOOK UP TO CASING VALVE AND ESTABLISHED CIRCULATION TO SURFACE THROUGH THE BRADON HEAD WITH WATER. MIXED 40 SX CL B CEMENT TO CIRCULATE GOOD CEMENT TO SURFACE. RD FLOOR AND ND BOP, CUT OFF WELLHEAD AND TOPPED OFF CASINGS WITH 12 SX CL. B CEMENT. INSTALLED DRY HOLE MARKER. RD RIG AND MOL.**

  
NATHAN E. CRAWFORD  
P&A SUPERVISOR

## BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work should be submitted with a Sundry Notice. Questions? Call Pat Hester at (505) 761-8786.

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location. Non-retrieved flowlines and pipelines will be abandoned in accordance with State Rule 714. Information supporting the non-retrieval will be included in the subsequent report or final abandonment Sundry Notice.

2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils can be remediated on-site according to these guidelines or disposed of in an approved facility.

3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" in depth before reseeding.

4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to deter vehicle travel. Access will be ripped to a minimum of 12" in depth, water barred and reseeded. All erosion problems created by the development must be corrected prior to acceptance of release. Water bars should be spaced as shown below along the fall line of the slope:

% Slope	Spacing Interval
Less than 20%	200'
2 to 5 %	150'
6 to 9 %	100'
10 to 15 %	50'
Greater than 15%	30'

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required). Seed mix must be certified weed free to avoid the introduction of noxious weeds. Refer to the original APD for seed mix.

6. Notify Surface Managing Agency seven (7) days prior to seeding so that they may be present to witness.

7. The period of liability under the bond of record will not be terminated until the well is inspected and the surface rehabilitation approved.

Other Surface Managing Agencies (SMA's) may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us. On private land, a letter from the fee owner stating that the surface restoration is satisfactory will be provided to the office. Questions? Call Pat Hester at (505) 761-8786.