



P.O. Drawer 3337, 700 S. Tucker, Farmington, New Mexico 87499  
(505) 327-4961 • 24-Hour Dispatch (505) 325-6892 • (505) 327-0416

## P&A OPERATION CEMENT SERVICE REPORT

WELL NAME: L.L. McCONNELL #13

TOTAL PLUGS SET: 6

DATE STARTED: 07-14-98

TOTAL SACKS USED: 187 SX.

DATE COMPLETED: 07-17-98

BLM WITNESS: AL YEPA  
OPERATOR WITNESS: J. YATES

### PLUG # 1 (6650' - 6890')

MOL & RU. LD 152-3/4" RODS, 115-7/8" RODS, 3-7/8" X 6' ROD SUBS. STRAP OUT 223 JTS 2 3/8" @ 6924.63'. RIH WITH 5 1/2" GAUGE RING TO 6780' (TIGHT SPOT @ 5930'). PU AND RIH WITH 5 1/2" RETAINER AND SET @ 6736'. CIRCULATE HOLE CLEAN WITH WATER. WELL STILL GASSING. CIRCULATE HOLE WITH 9# KCL. ATTEMPT TO PRESSURE TEST CASING TO 500 psi. NO TEST. ESTABLISH INJECTION RATE INTO 4 3/4" LATERAL @ .5 bpm W/ 750 psi. SPOT 39 SX CLASS B CEMENT TO END OF TUBING AND PLACE 27 SX BELOW AND 12 SX ABOVE RETAINER TO COVER THE GALLUP. PUH TO 5251'.

### PLUG # 2 (5102' - 5251')

ATTEMPT TO PRESSURE TEST CASING TO 500 psi. NO TEST. BALANCE 17 SX CLASS B CEMENT PLUG TO COVER THE MESAVERDE. PUH. WOC. TAG TOC @ 5115'. PRESSURE TEST CASING TO 500 psi FOR 10 MINUTES. PUH TO 3638'. NOTE: LAND OWNER WANTED TO HAVE WELL AS WATER WELL. BLM APPROVED AND PROCEDURES CILANGED TO THE DESCRIPTION BELOW.

### PLUG # 3 (3180' - 3638')

BALANCED 52 SX CLASS B CEMENT PLUG TO COVER THE KIRTLAND AND P.C., PUH TO 2265'.

### PLUG # 4 (1875' - 2265')

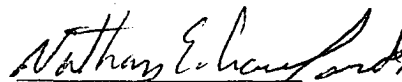
BALANCED 45 SX CLASS B CEMENT PLUG TO COVER THE OJO ALAMO. PUH TO 1648'.

### PLUG # 5 (1484' - 1648')

BALANCED 19 SX CLASS B CEMENT PLUG TO COVER THE NACIMIENTO. PUH TO 1127'.

### PLUG # 6 (1000' - 1127')

BALANCED 15 SX CLASS B CEMENT PLUG TO PLUG BACK WELL TO 1000' FOR LAND OWNER. PRESSURE TEST CASING TO 500 psi FOR 10 MINUTES. HELD GOOD. RD. CUT OFF WELL HEAD. WELD ON BLANK CAP ON 8 5/8" CASING. MOL.

  
NATHAN CRAWFORD  
P&A SUPERVISOR