

PROCEDURE TO PLUG AND ABANDON

B. M. G. DRILLING CORP.
ARROYO BLANCA #23-1
SEC. 23, T24N, R1W
RIO ARRIBA, NM

NOTE: ALL CEMENT VOLUMES USE 50' EXCESS INSIDE PIPE AND 100% EXCESS OUTSIDE PIPE. THE STABILIZING WELLBORE FLUID WILL BE 8.33 PPG, SUFFICIENT TO STABILIZE ALL EXPOSED FORMATION PRESSURE.

1. INSTALL AND TEST RIG ANCHORS. PREPARE BLOW PIT. COMPLY WITH ALL NMOCD, BLM, AND B. M. G. REGULATIONS. MOL AND RU DAYLIGHT PULLING UNIT. CONDUCT SAFETY MEETING WITH ALL PERSONNEL ON LOCATION.
2. UNSEAT PUMP AND LD RODS. HOT OIL IF NEEDED. ND WELLHEAD AND NU BOP. TEST BOP.
3. POH AND STRAP 6223' OF 2 7/8" TBG. RU WIRELINE AND RIH WITH 5 1/2" GAUGE RING TO 6240'. RIH WITH 5 1/2" CIBP AND SET AT 6237'. RIH WITH WORK STRING AND TAG TOP OF CIBP. CIRCULATE HOLE CLEAN WITH WATER AND PRESSURE TEST CASING TO 500 PSI.
4. **PLUG #1 (GALLUP, 6137' - 6237')**; BALANCE 11 SX CLASS B CEMENT PLUG ON TOP OF CIBP. PUH TO 5171'.
5. **PLUG #2 (POINT LOOKOUT, 5021' - 5171')**; BALANCE 17 SX CLASS B CEMENT PLUG INSIDE CASING. PUH TO 4655'.
6. **PLUG #3 (CLIFFHOUSE, 4505' - 4655')**; BALANCE 17 SX CLASS B. CEMENT PLUG INSIDE CASING. PUH TO 2894'.
7. **PLUG #4 (PICTURED CLIFFS, 2744' - 2894')**; BALANCE 17 SX CLASS B CEMENT PLUG INSIDE CASING. PUH TO 2615'.
8. **PLUG #5 (OJO ALAMO, KIRTLAND, 2397' - 2615')**; BALANCE 24 SX CLASS B CEMENT PLUG INSIDE CASING. PUH TO 1790'.
9. **PLUG #6 (NACIMIENTO, 1640' - 1790')**; BALANCE 17 SX CLASS B CEMENT PLUG INSIDE CASING. PUH TO 462'.
10. **PLUG #7 (SURFACE SHOE, 312' - 462')**; BALANCE 17 SX CLASS B CEMENT PLUG INSIDE CASING. PUH TO 100'.
11. **PLUG #8 (SURFACE, 0' - 100')**; MIX 11 SX CLASS B CEMENT TO CIRCULATE GOOD CEMENT TO SURFACE. POH.
12. ND BOP AND DIG CELLAR. CUT OFF WELLHEAD AND TOP OFF CASINGS AS NEEDED. RD RIG AND CUT OFF ANCHORS. INSTALL DRY HOLE MARKER AND MOL. RESTORE LOCATION AS REQUIRED BY BLM REGULATIONS.

**ARROYO BLANCO #23-1
PURPOSED
GALLUP
RIO ARRIBA, NM**

TODAYS DATE: 03-13-00

SURFACE SHOE @ 412'

NACIMIENTO @ 1740'

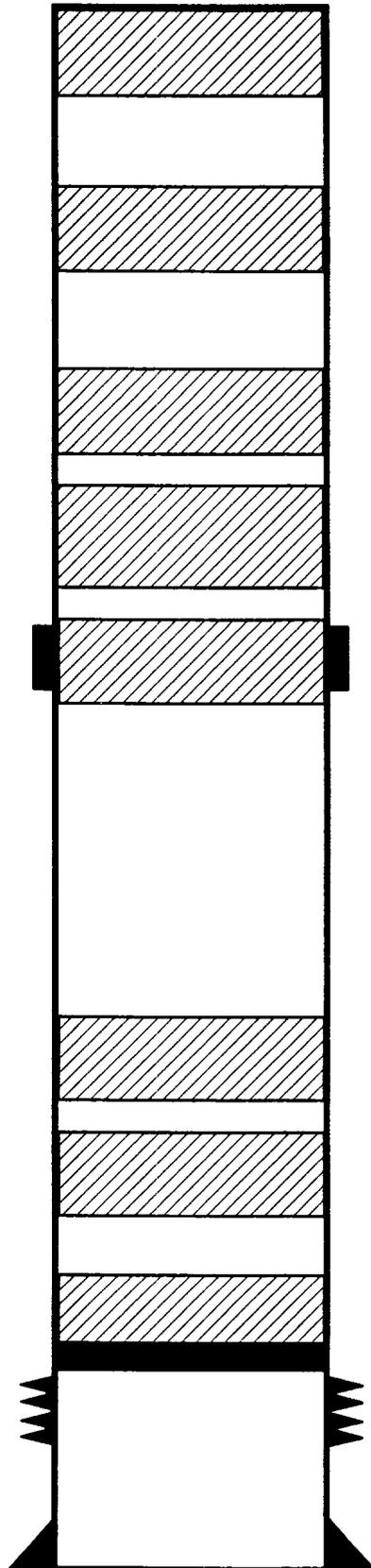
OJO ALAMO @ 2497'
KIRTLAND @ 2565'

PICTURED CLIFFS @ 2844'

CLIFFHOUSE @ 4605'

POINT LOOKOUT @ 5121'

GALLUP @ 6285'



PLUG #8 (0' - 100'), CMT W/ 11 SX

9 5/8", 36# SET @ 412', CMT W/ 250 SX
CMT CIRCULATED

PLUG #7 (312' - 462'), CMT W/ 17 SX

PLUG #6 (1640' - 1790'), CMT W/ 17 SX

PLUG #5 (2397' - 2615'), CMT W/ 24 SX
8 3/4" OH TO 2100'
7 7/8" OH FROM 2100' - TD

PLUG #4 (2744' - 2894'), CMT W/ 17 SX
D.V. TOOL @ 2765'

PLUG #3 (4505' - 4655'), CMT W/ 17 SX

PLUG #2 (5021' - 5171'), CMT W/ 17 SX

PLUG #1 (6137' - 6237'), CMT W/ 11 SX

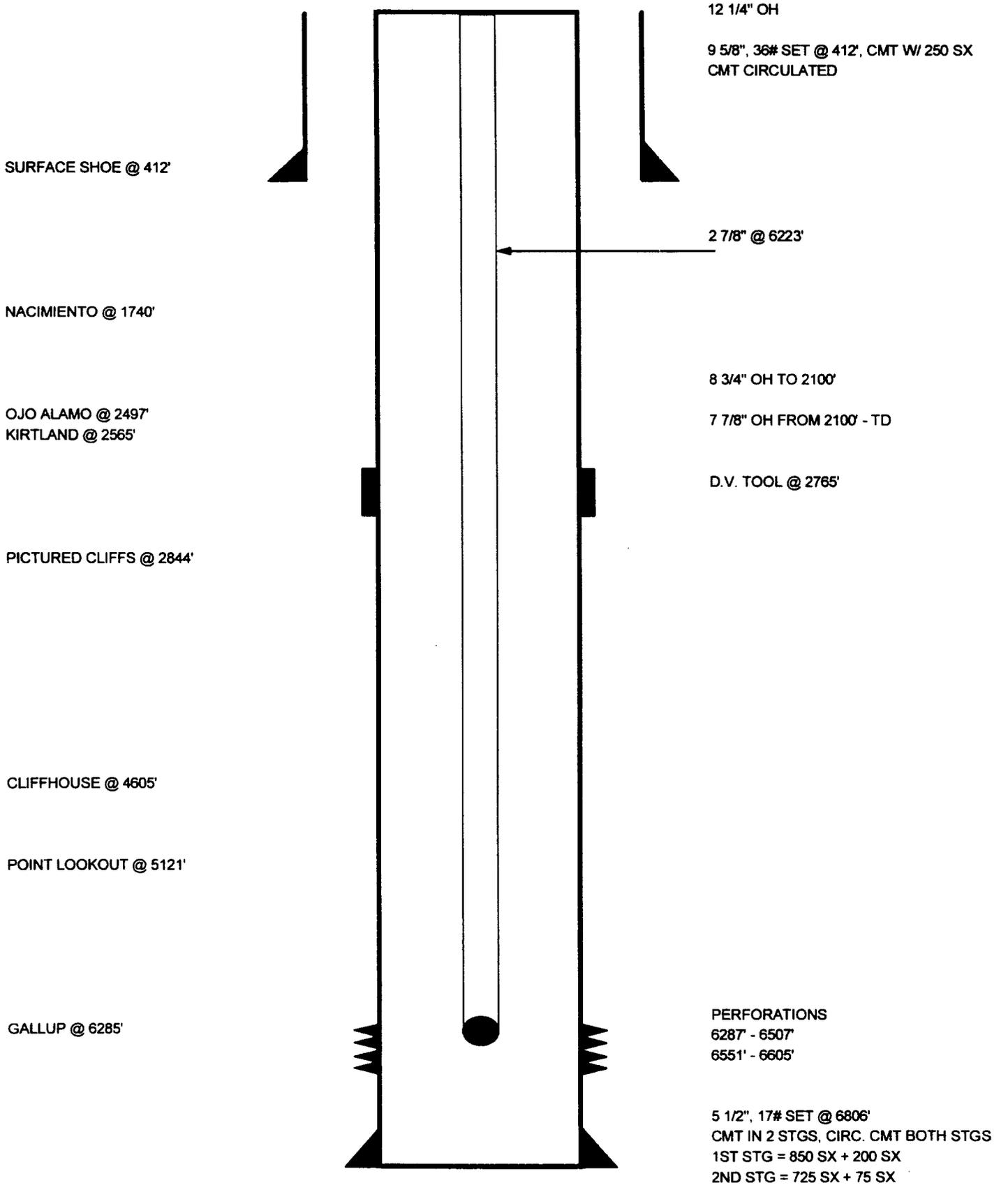
CIBP @ 6237'

PERFORATIONS
6287' - 6507'
6551' - 6605'

5 1/2", 17# SET @ 6806'
CMT IN 2 STGS, CIRC. CMT BOTH STGS
1ST STG = 850 SX + 200 SX
2ND STG = 725 SX + 75 SX

ARROYO BLANCO #23-1
CURRENT
GALLUP
RIO ARRIBA, NM

TODAYS DATE: 03-07-00



12 1/4" OH

9 5/8", 36# SET @ 412', CMT W/ 250 SX
CMT CIRCULATED

SURFACE SHOE @ 412'

2 7/8" @ 6223'

NACIMIENTO @ 1740'

8 3/4" OH TO 2100'

OJO ALAMO @ 2497'
KIRTLAND @ 2565'

7 7/8" OH FROM 2100' - TD

ICTURED CLIFFS @ 2844'

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