

F.Loc. 1650/S; 1650/W Elev. 5809GL Spd. 5/17/53 Comp 7/10/53 TD 2160 PB
Casing 9-5/8 @ 133 W 100 Sx. Int. @ W Sx. Pr. 5 @ 2103 W 150 Sx. T. @
Csg. Perf. Prod. Stim.
Shot 137 qts 2105-2160
L.P. 2220 MCF/D After 3 Hrs. Sic. P. 651 PSI After 11 Days GOR Grav. 1st Del. 7/28/53 EP

TOPS		NITD	X	Well Log	X	TEST DATA					
Kirtland	887	C-102		Flat	X	Schd.	PC	Q	PW	PD	AIL
Fruitland	1850	C-103		Electric Log	X						
Pictured Cliffs	2101	C-104	X	C-110	X	54	476	251	217	238	239
Cliff House						9/14/55	449	242	242	245	213
Menefee				Remarks		12/1/56	386	167	244	193	232
Point Lookout						7/16/57	721	124	223	183	145
Mancos						12/2/58	304	51	251	155	141
Tocito											
Dakota											
Morrison											
Entrada											
✓ PCD	3718										

F AztecPC Co. San Juan s 34 T 30N R 11W U K Oper. BPNG Loc. MartinPU No. 1

If csg. fails, lower tbg to pump position & displace 18 sx (21.2 cu.ft.) below ret. Sting out of ret & spot 60 sx (70.8 cu.ft.) on top of ret. Pull tbg to 650' and reverse out w/50 BW. WOC 6 hrs. TIH & tag plug @1750'. Record depth to cmt. Circ. 9#/gal mud from top of plug to surface. TOOH. RU perforators w/low press. packoff. Perf 4 squeeze holes @ 937'. PU cmt. ret for 5 1/2" csg, TIH to 750' and set ret. Pull tbg to test position & PT tbg to 1500#. Lower tbg & displace 92 sx (108 cu.ft.) below ret. Pull out of ret & spot 10 sx (11.8 cu.ft.) on top of ret. TOOH. RU perforators w/lower pressure packoff. Perf 4 squ. holes @ 183'. Circ. 100 sx (118 cu.ft.) down 5 1/2" csg & back to surf. in 9 5/8"-5 1/2" annular space. Cut off wellhead & install dry hole marker w/10 sx (11.8 cu.ft.) NOTE: use Class "B" neat cmt. for all plugs.

BUREAU OF LAND MANAGEMENT
1235 La Plata Highway
Farmington, New Mexico 87401
Phone (505) 327-5344

Attachment to Notice of
Intention to Abandon

Re: Permanent Abandonment
Well: 1 Martin

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Bill Blackard with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 327-5344.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):

Office Hours: 7:45 a.m. to 4:30 p.m.

GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON RESOURCE AREA

1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.

2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.

3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.

4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl_2 is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).

5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perms-unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.

5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.

6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, and a nonfermenting polymer. Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.

7. Following the placement of a cement plug, the withdrawal rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.

8. Within 30 days after plugging work is completed, file a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5), in quintuplicate with Area Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.