

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. <b>SF 078064</b>
2. Name of Operator <b>Giant Exploration &amp; Production Company</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>PO Box 2810, Farmington, N.M. 87499 (505) 326-3325</b>	7. If Unit or CA, Agreement Designation <b>Carson Unit</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>660' FSL, 1980' FEL, Sec. 24, T25N, R12W</b>	8. Well Name and No. <b>Carson Unit #34-24</b>
	9. API Well No. <b>30-045-05252</b>
	10. Field and Pool, or Exploratory Area <b>Bisti Lower Gallup</b>
	11. County or Parish, State <b>San Juan, New Mexico</b>

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please see Attachment "A".

**RECEIVED**  
MAY 31 1991  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
MAY -6 PM 1:37  
019 FARMINGTON, N.M.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct	
Signed <u>Aldrich L. Kachera</u> Title <u>President</u>	Date <u>MAY 3 1991</u>
(This space for Federal or State office use)	
Approved by _____ Title _____	Date <u>MAY 23 1991</u>
Conditions of approval, if any:	<b>AREA MANAGER</b>

Giant Exploration & Production Company  
Carson Unit #34-24  
Attachment "A"

Giant Exploration & Production Co. plans to plug and abandon the above location as follows:

1. Move on location. Circulate wellbore through 2-3/8" tubing string.
2. Set cement retainer at 4800' and pump 75 sacks (88.5 cuft) Class "B" cement into Lower Gallup perforations from 4836'- 4960'. A 20 sack (23.6 cuft) cement plug will then be spotted above the retainer inside the 4-1/2", 9.5#, casing interval 4800'- ~~4541'~~.
3. Perforate 2 squeeze holes at 2670'.
4. Spot 30 sacks (35.4 cuft) cement plug to cover the top of the Mesa Verde formation from 2670' to 2570'. Pressure displace 20 sacks into the perforations at 2670'.
5. Perforate 2 squeeze holes at 1600'.
6. Spot 30 sacks (35.4 cuft) cement plug to cover the top of the Chacra formation from 1600' to 1500'. Pressure displace 20 sacks into the perforations at 1600'.
7. Perforate 2 squeeze holes at 1278'.
8. Spot 30 sacks (35.4 cuft) cement plug to cover the top of the Pictured Cliffs formation from 1278' to 1178'. Pressure displace 20 sacks into the perforations at 1278'.
9. Perforate 2 squeeze holes at 760'.
10. Spot 30 sacks (35.4 cuft) cement plug to cover the top of the Fruitland Coal formation from 760' to 660'. Pressure displace 20 sacks into the perforations at 760'.
11. Perforate 4 squeeze holes at 300' to allow coverage of the Ojo Alamo formation from 300' to surface. Circulate 150 sacks (177.0 cuft) of cement from 300' to surface leaving both the inside and outside of the casing full of cement.
12. Cut off the wellhead and install the dry hole marker.

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 34-24 Carson Unit

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Murk Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 326-6201.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):

a) Be 1/2 Cement to 4495' on top of Gallup reservoir

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  $\text{CaCl}_2$  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 perfs-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.