orm 3160-5 November 1983) Formerly 9-331)	ovember 1983) UNITED STATES SUBMIT IN TRIPLICATE				Budget Bureau No. 1004-0135 Expires August 31, 1985  6. LEASE DESIGNATION AND SERIAL NO.  NOO-C-14-20-4322			
SUNDR (Do not use this form	6. IF INDIAN, ALLOTI	6. IF INDIAN, ALLOTTER OR TRIBE NAME NAVAJO ALLOTTED						
OIL CAS WELL T	OTHER			7. UNIT AGREEMENT	KAMB			
2. NAME OF OPERATOR	8. FARM OR LEASE N	8. FARM OR LEASE NAME						
COLEMAN OIL & G	AS INC.			NELSON 9. WHILL NO.				
P. O. DRAWER 33	#1							
See also space 17 below.) At surface		10. FIELD AND POOL, OR WILDCAT						
100	11. SBC., T., B., M., OR	GALLEGOS-GALLUP  11. SBC, T., R., M., OR BLW. AND SURVEY OR AREA  SEC. 13, SEC. 124.						
	SEC.13,							
14. PERMIT NO.	ľ	(Show whether DF, RT	, oa, etc.)	12. COUNTY OR PARIS	H 18. STATE			
16.		.3' GR	451	SAN JUAN	NEW MEXICO			
•	Check Appropriate Box	to Indicate Nati		•				
TEST WATER SHUT-OFF					UBAT REPORT OF:			
FRACTURE TREAT	PULL OR ALTER CA		FRACTURE TREATMENT	REPAIRING ALTERING				
SHOOT OR ACIDIZE	ABANDON*	X	SHOOTING OR ACIDIZING					
REPAIR WELL (Other)	CHANGE PLANS		(Other) Report re	suits of multiple completion	on Well			
17. DESCRIBE PROPOSED OR COM proposed work. If well nent to this work.)	PLETED OPERATIONS (Clearly	state all pertinent de	Completion or Rec	suits of muitiple completion completion Report and Log for ates, including estimated da	orm.)			
3. PERFORATE 2240' TO 4. PERFORATE TO 1380' 5. PERFORATE FROM 1320 6. PERFORATE TO 236' W 7. PERFORATE	HOLE WITH 9#, 50 E CLIFFHOUSE AT 2 2070' WITH 85 SX E P.C. AT 1520' AN WITH 70 SX. E FRUITLAND COAL A D' TO 1200' WITH 6 C OJO ALAMO AT 440 WITH 103 SX. E AT 230' AND CEMI	240' AND CEM  ND CEMENT IN  AT 1320' AND  60 SX.  O' AND CEMEN	SIDE & OUTSIDE 4 CEMENT INSIDE & T INSIDE & OUTSI	اج" CASING FROM 1 OUTSIDE 4اج" CAS	520' ING OM 440'			
4½" CASIN	G TO SURFACE.							
<ul><li>8. ERECT DRY HOLE MARKER.</li><li>9. CLEAN LOCATION AND SEED TO SPECIFICATIONS.</li></ul>				e sila Sila				
BEINEW								
(A 4 1000					10 12 15 15 15 15 15 15 15 15 15 15 15 15 15			
<b>12 4 1990</b>		SEE 4.1	a Pipelin Contracting					
CON. DIV.) DIST. 3		CONDITION	s őf antropa,					
18. I hereby certify that the fo	pregoing in type and correct			<u> </u>	· · · · · · · · · · · · · · · · · · ·			
SIGNED Longe {	Colemn	TITLE CHA	IRMAN	<u> </u>	<del>4)-</del> 90			
(This space for Federal or	State office use)			Assistant	5			
APPROVED BY		TITLE		DATE	-			
CONDITIONS OF APPROVAL, IF ANY:		ki d Z te Stal Stal	and a					
	<b>*</b> \$.	e Instructions on	Reverse Side	AREA MANAG	See of the second secon			

## 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:	Perm	anent	Abandonment
Intention	to Abandon	Well:		Nel	sun

## CONDITIONS OF APPROVAL

- 1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
- 2.  $M_{a,k}$   $K_{elly}$  with the Farmington Office is to be notif at least 24 hours before the plugging operations commence (505) 326-6201. with the Farmington Office is to be notified
- Blowout prevention equipment is required.
- 4. The following modifications to your plugging program are to be made (when applicable):
  - 1) Bring Coment up to 4385

  - 2) Place MV Plug from · 2800-2700 (+100% egess)
    3) Place a Plug from 1750-1650 (+100% excess) Chacra
  - 4) Bring Coment up to 944

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<sub>2</sub> 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 withdrawl 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.