

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-1135  
Expires September 30, 1990

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 type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. NM-04208
2. Name of Operator Amoco Production Company Attn: John Hampton		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 800, Denver, Colorado 80201		7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1800' FSL x 1650' FWL, SEC. 14-28N-9W		8. Well Name and No. McCulley LS 4
		9. API Well No. 30-045-07470
		10. Field and Pool, or Exploratory Area Basin Dakota
		11. County or Parish, State San Juan, New Mexico

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

(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.)

Amoco Production Company intends to plug and abandon the subject well using the attached procedures.

Please call Cindy Burton at 303-830-5119 if you have any questions.

RECEIVED

OCT 5 1990

CON. DIV.  
EST. 9

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct		
Signed <u>John L. Hampton/KAS</u>	Title <u>Sr. Staff Admin. Supv.</u>	Date <u>9/21/90</u>
(This space for Federal or State office use)		
Approved by _____	Title <u>NMOCD</u>	Date _____
Conditions of approval, if any:		

Ken Townsend

FOR FILE

PLUG AND ABANDONMENT PROCEDURES  
MCCULLEY LS #4  
SEC 14K - 28N - 9W

1. Notify BLM (505) 327-5344 when plugging is to begin.
2. MIRUSU. NDWH NUBOPE
3. POOH w/ 2 7/8" tubing. RIH w/tubing and cement retainer. Set retainer @ 6350'. Squeeze perforations w/ 120 cu.ft. cement. Pull out of retainer and leave cement to 6300' (20 cu. ft. cement).
4. Load hole w/ 9ppg. mud.
5. POOH, laying down tubing.
6. RIH, w/ wireline and perforate four squeeze holes @ 5800'. RIH w/ tubing and cement retainer and set @ 5650'. Squeeze perforations w/ 300 cu. ft. cement. Pull out of retainer and leave cement to 5500' (20 cu. ft. cement).
7. POOH, laying down tubing.
8. RIH, w/ wireline and perforate four squeeze holes @ 4600'. RIH, w/ tubing and cement retainer and set @ 3800'. Squeeze perforations w/ 350 cu.ft. cement. Pull out of retainer and leave cement to 3650' (20 cu.ft. cement.)
9. POOH, Laying down tubing and spot cement plug from 2400' to 2100' (40 cu.ft. cement). W.O.C.
10. Test for casing integrity. If casing will not hold notify Amoco Area Engineer. Otherwise go to step 11.
11. RIH w/ wireline and perforate four squeeze holes @ 2050'. Attempt to establish circulation to surface. If circulation is established set cement plug to surface (650 cu. ft. cement). If circulation can't be established notify Amoco Engineer.
12. NDBOPE. Cut off casing and wellhead. Install PXA marker per State and BLM requirements.
13. Turn well over to John Jensen for reclamation.
14. Rehabilitate surface per State and BLM requirements.

\*Note: Use class G NEAT cement

MCCULLEY LS 004 1551'  
Location -- MK- 28N- 9W  
SINGLE DK  
Orig. Completion -- 8/60  
Last File Update -- 1/89 by DDM

OSO EXPOSE @ 1222'  
KIRTLAND @ 1368'  
FRUITLAND @ 1982'  
PICTURED CLIFFS @ 2252'

CLIFFHOUSE @ 3950'  
MONTEZ @ 3980'  
PT LOOKOUT @ 4653'

GALLUP @ 5734'

DE--SPE PERI 6672-6688/  
6722-6728  
6728-6748  
6763-6765  
6770-6780  
DE--GSPE PERI 6790-6812  
6828-6832  
6846-6856

PRD AT 6888 FT.

TOTAL DEPTH 6910 FT.

DOT OF 9.625 IN OD CSA 328  
36 LB/FT  
TOC -- SURF

TOC @ 2100' by Temp Survey  
DV TOOL SET @ 2403'

TOC @ 6300' by Temp Survey

DOT OF 2.375 IN OD TBG AT 6809

DOT OF 5.5 IN OD CSA 6910  
17 LB/FT, J-55 CASING  
Cathodic Protection -- ?  
WD ?

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  
Intention to Abandon

Re: Permanent Abandonment

Well: 4 McCulley LS

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Mark 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):

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 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 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.