N.M. OIL CONS. COMMISSION P.O. BOX 1980 HOBBS, NEW MEXICO 88240

Form 3160-5 (June 1990)

452'

50'

30

14

111' 50'

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

NM-04591

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				o. If Indian, Allottee or Tribe Name
SUBMIT IN TRIPLICATE				If Unit or CA. Agreement Designation
Type or Well X Oil Gas Well Well Other				8. Well Name and No.
2. Name of Operator				McAlpine Federal #1
Santa Fe Energy Operating Partners, L.P.				9. API Well No.
3 Address and Telephone No.				30-025-31053
550 W. Texas, Suite 1330, Midland, Texas 79701				10. Field and Pool, or Exploratory Area
Location of Well (Footage, Sec., T., R., M., or Survey Description) (E), 1830' FNL and 660' FWL, Sec. 19, T-18S, R-34E				EK Delaware
				11. County or Parish, State
				T.
				Lea Co., NM
CHECK APPROPRIA	TE BOX	((s) TO INDICA	ATE NATURE OF NOTICE. RE	PORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTI				10N
X Notice of Intent			X Abandonment	Change of Plans
The second secon		i i	Recompletion	New Construction
Subsequent Report			Plugging Back	Non-Routine Fracturing
Subsequent Report			Casing Repair	Water Shut-Off
Final Abandonment Notice			Altering Casing	Conversion to Injection
			Other	Dispose Water
				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.
It is intended to pl	and true ver ug and x 48 h	abandon the	e subject well per the for	ons.
	-		80'. Circ hole $w/9.5 p_1$	pg mud.
3. Spot Class "C" c	ement	plugs as fo	llows:	
Depth to EOT	SX	Height	Purpose	
5380'	$\overline{10}$	99'	Cap CIBP	
4704 '	40	395 '	Cover top of Queen	
32501	15	148'	Span 8-5/8" shoe	
4. Cut off 5-1/2" @ spot 20 sx C1 "C		and pull.	Run tubing to 50' inside	e 5-1/2" stub and
		ot Class "C	" plugs as follows:	
Depth to EOT	SX	Height	Purpose	
2600'	10	37 '	Cap CIBP	

Approved by (ORIG. SGD.) JDE G. LARA

Title PETROLEUM ENGINEER

Date 5/20/94/

Conditions of approval, if any:

See attached. 17/50 tag plug across 8 % shoe.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement.

Span 13-3/8" shoe

Sr. Production Clerk

Surface plug.

PECEIVE OFFICE

McAlpine Federal #1 Plugging Procedure cont.

- 6. Cut off wellhead 3' below ground level. Install P&A marker.
- 7. Clean location.

Note: All cement plug Class "C", mixed 14.8 ppg, yield 1.32

A wellbore diagram is attached for your convenience.

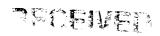
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OFFICE

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4-26-94



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Charles Contracted

BUREAU OF LAND MANAGEMENT CARLSBAD RESOURCE AREA

Permanent Abandonment of Wells on Federal Lands

Conditions of Approval

- 1. Approval: Plugging operations shall commence within 90 days from the approval date of plugging procedure.
- 2. Notification: Contact the appropriated BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy county call (505) 234-5272; for wells in Lea County call (505) 393-3612.
- 3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
- 4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
- 5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C", for up to 7,500 feet of depth, mixed at 14.8 lbs./gal. with 6.3 gallons of fresh water per sack or class "H", for deeper than 7,500 feet plugs, mixed at 16.4 lbs./gal. with 4/3 gallons of fresh water per sack.

- 6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds.)
- 7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the pluggin 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.

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.



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