

Form 3160-5  
(June 1990)

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

6. If Indian, Allottee or Tribe Name

**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

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Santa Fe Energy Operating Partners, L.P.

3. Address and Telephone No.

550 W. Texas, Suite 1330, Midland, Texas 79701

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

(E), 1830' FNL and 660' FWL, Sec. 19, T-18S, R-34E

7. If Unit or CA, Agreement Designation

8. Well Name and No.

McAlpine Federal #1

9. API Well No.

30-025-31053

10. Field and Pool, or Exploratory Area

EK Delaware

11. County or Parish, State

Lea Co., NM

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

**TYPE OF SUBMISSION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ 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.)\*

It is intended to plug and abandon the subject well per the following procedure:

1. Notify BLM approx 48 hours in advance of starting operations.
2. Run CIBP on tubing and set at  $\pm 5380'$ . Circ hole w/ 9.5 ppg mud.
3. Spot Class "C" cement plugs as follows:

Depth to EOT	SX	Height	Purpose
5380'	10	99'	Cap CIBP
4704'	40	395'	Cover top of Queen
3250'	15	148'	Span 8-5/8" shoe

4. Cut off 5-1/2" @ 2700' and pull. Run tubing to 50' inside 5-1/2" stub and spot 20 sx C1 "C".
5. Set CIBP at 2600'. Spot Class "C" plugs as follows:

Depth to EOT	SX	Height	Purpose
2600'	10	37'	Cap CIBP
452'	30	111'	Span 13-3/8" shoe
50'	14	50'	Surface plug.

14. I hereby certify that the foregoing is true and correct.

Signed

*Joe G. Lara*

Title

Sr. Production Clerk

Date

5/2/94

(This space for Federal or State office use)

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

Title

PETROLEUM ENGINEER

Date

5/20/94

Conditions of approval, if any:

See attached. Also tag plug across 8 5/8" 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 or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

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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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2-381	COBALT BLUE LAST*	5 SQUARE
2-382	COBALT BLUE LAST*	5 SQUARE
2-383	COBALT BLUE LAST*	5 SQUARE
2-392	CORVALL WHITE	5 SQUARE
2-399	CORVALL WHITE	5 SQUARE



660' FWL & 1830' FNL  
Sec 19-18S-34E, NMPM  
Lea County, New Mexico

13 3/8" 54.5# K-55 ST&C @ 402'  
w/ 4205x (cont cire to surf)

TOC  $5\frac{1}{2}'' @ 2750' (T.S.)$

8 5/8" 24432# K-55 ST4C  
@ 3200' w/ 13705x (cmt circ to surf)

Rustler 1704'

 $\phi 12\frac{1}{4}$ 

Yates 3210'

Queen 4379'

Ø 7 7/8"

Penrose 4654'

Graybung

San Andres 5475'

5426'

5438'

5448'

5474'

78 holes  
- Acid w/ 1500  
Frac w/ 50.5 x 11.7 sd-watr  
tail w/ CRCS.

5980'

CIBP @ 6000', cap w/ 35x

6056

Acid w/ 1500  
Frac w/ 50.5 x 11.7 sd-wthr  
Pmp 200+ BWAB, no oil

Delaware 6147'

Bone Springs 7366'

7185'

52" 15.5' 17', K-55 + L-80, ST4C and  
LT4C @ 7475' w/1000 SX

TD 7475'

4-26-94

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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.  
*587-6544*
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 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.

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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