

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
Drawer DD
Artesia, NM 88210

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
☐ Oil Well ☐ Gas Well ☒ Other Dry

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)
(G), 1980' FNL and 1980' FEL, Sec. 15, T-19S, R-31E

5. Lease Designation and Serial No.
NM-53984

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Running Wolf No. 1

9. API Well No.
30-015-27202

10. Field and Pool, or Exploratory Area
Undesignated (Delaware)

11. County or Parish, State
Eddy Co., NM

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.)*

The following procedure was verbally approved by Shannon Shaw.

1. Notify BLM approximately 48 hours before beginning operations.
2. POH w/ tubing and packer.
3. Set CIBP on tubing at 6720'. Circ hole w/9.5 ppg mud, then spot Class "C" plugs as follows:

Depth to EOT	Sacks	Height	Purpose
6720'	15	148'	On CIBP
4712'	15	148'	Cover Delaware Top
3600'	20	198'	Cover Queen Top, DV tool and 8-5/8" shoe
2870'	15	148'	Span TOC on 8-5/8"

Continued on Page 2

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

Signed

David R. Glass

Sr. Production Clerk

Date

Dec. 17, 1993

(This space for Federal or State office use)

Approved by (ORIG. SGD.) DAVID R. GLASS

Title

PRODUCTION ENGINEER

Date

JAN 05 1994

Conditions of approval, if any:

SEE ATTACHED

4. POH w/ tubing. (Note: A Santa Fe Engineer will be on location for Step 4.)
 - A. Pressure the 5-1/2" to 500 psi and leave blind rams closed. Tie-onto 13-3/8" - 8-5/8" annulus. Attempt to pump down this annulus space and establish a pump rate of at least 3 BPM. Pump at least 100 BFW in establishing a pumping pressure.
 - B. Mix and pump 400 sacks of Class "C" cement mixed at 14.8 ppg and containing 4% CaCl₂ down the 13-3/8" - 8-5/8" annulus. Max allowable pressure is 1000 psi. Cease pumping if well pressure exceeds 1000 psi. Do not displace cement w/ water except that needed for cleanup, however, have an extra 75 BW on hand for possible displacement.
 - C. WOC. Relieve pressure on the 5-1/2" and run a slickline temp survey inside the 5-1/2" checking for heat of hydration within the 13-3/8" - 8-5/8" annular space.
 - D. If TOC is indicated to be above 2180', then proceed to step No. 5. If TOC is below 2180', tie back onto the annulus and try to load and pump into the annular space, then wait on orders. The estimated TOC for this remedial work is about 1600'.
5. RIH w/ OE tubing and spot a 30 sack Class "C" plug at 2280' to span the 13-3/8" shoe.
6. Spot a 5 sack Class "C" plug at 50' to surface.
7. Cut off wellhead 3' below ground level and install 4" x 4' dryhole marker.
8. Clean location.

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 appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (505)887-6544 ; 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 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.