

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION FORM APPROVED  
Drawer DD  
Artesia, NM 88210  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993  
Lease Designation and Serial No.

**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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation
2. Name of Operator Santa Fe Energy Operating Partners, L.P.	8. Well Name and No. BAND AID FEDERAL
3. Address and Telephone No. 550 W. Texas, Suite 1330, Midland, Texas 79701	9. API Well No. 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2063' FWL & 1294' FNL, SEC.5, T-22-S, R-24-E	10. Field and Pool, or Exploratory Area INDIAN BASIN
	11. County or Parish, State EDDY CO., N.M.

UT. C

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 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 checked="" type="checkbox"/> Other <u>Convert to WSW.</u>
	<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 subject well was temporarily abandoned in November of 1989, by the previous operator (Steve Sell). Santa Fe Energy Operating Partners, L.P., will utilize the upper well bore for water supply well purposes. Santa Fe will P&A the lower well bore by setting a plug above the existing perforations, pulling 7" production casing, setting a plug in the open hole section and across the 9-5/8" casing shoe. The 9-5/8" casing will be logged and fresh water zones will then be perforated and tested.

The above work is to begin on or before February 20, 1995.

**SUBJECT TO  
LIKE APPROVAL  
BY STATE**

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

Signed <u>Terry McCallister</u>	Title <u>Sr. Production Clerk</u>	Date <u>11/21/94</u>
(This space for Federal or State office use)		
Approved by <u>Shannon J. Shaw</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>12/13/94</u>
Conditions of approval, if any:		

**SANTA FE ENERGY RESOURCES, INC.**

**OBJECTIVE:** To cut and pull 7" production casing, plug & abandon the lower wellbore below the 9- $\frac{5}{8}$ " intermediate casing, and test for shallow water zones.

1. If necessary kill well w/9 PPG mud.
2. MIRU PU. ND WH & NU BOP.
3. Release packer and POH w/tbg and submergible pump.
4. RU wireline unit, RIH w/gauge ring and set EZSV retainer @  $\pm 7100'$ .
5. RIH w/tbg and sting into retainer.

Band Aid Federal No. 1 - Recompletion  
Continued

6. Mix and pump 150 sx Class "C" cement. Sting out of retainer and pump 50' cement plug on top of retainer. POH w/tbg.
7. Run free-point on 7" production casing. Cut 7" casing @  $\pm 7000'$  or at free-point and POH laying down 7" casing. Note depth of 7" casing stub.
8. RIH w/open ended tbg and tag cement plug inside 7" casing. Load hole w/9 PPG mud.
9. PUH to 75' below top of 7" casing stub or pump cement from top of cement plug if 7" casing is cut @ 7000'. Pump 150' Class "C" cement plug to a minimum 75' above 7" casing stub. PUH, WAIT ON CEMENT AND TAG PLUG.
10. PUH and set a minimum 100' cement plug in open hole midway between 9- $\frac{5}{8}$ " casing shoe and 7" casing stub ( $\approx 4750'$ - $4850'$  if 7" casing cut @ 7000'). PUH, WAIT ON CEMENT AND TAG PLUG.
11. PUH to 2575' and pump 150' Class "C" cement plug across 9- $\frac{5}{8}$ " casing shoe (2575'-2425'). PUH, WAIT ON CEMENT AND TAG PLUG.
12. Circulate 9- $\frac{5}{8}$ " casing with clean brine water (casing needs to be loaded with brine water for logging purposes) and POH to run logs.
13. RU Schlumberger Logging Services, run Thermal Time Decay (TDT) log from PBTD to base of 13- $\frac{3}{8}$ " surface casing @ 369'. RD logging company & shut down for logging evaluation.
14. RU wireline company and perforate potential fresh water zones per Schlumberger TDT log and Schlumberger - Compensated Neutron/Litho Density log (dtd. 08/13/89).
15. Swab test well to evaluate water zone and pumping equipment design.
16. RU wireline company and perforate potential fresh water zones per Schlumberger Thermal Decay Temperature (TDT) log and Schlumberger - Compensated Neutron/Litho Density log (dtd. 08/13/89).
17. RIH w/rental ESP on 2-7/8" production tubing to below perforations. Utilize generator and pump water to rental tanks. Evaluate well to determine if a sufficient volume of water can be produced to support the needs of SFER drilling department.

NOTE: P&A of the lower wellbore was coordinated with Joe Laura, Bureau of Land Management per telephone conversation/fax on 11/09/94.

NOTE: Conversion of well to Water Source Well has been coordinated with Ken Fresquey, New Mexico State Engineer - Roswell, New Mexico per telephone conversation on 11/21/94.



**Santa Fe Energy  
Resources, Inc.**

**Band Aid Federal  
No. 1**

**Indian Basin Field**

**WELL HISTORY**

07/29/89 SPUD

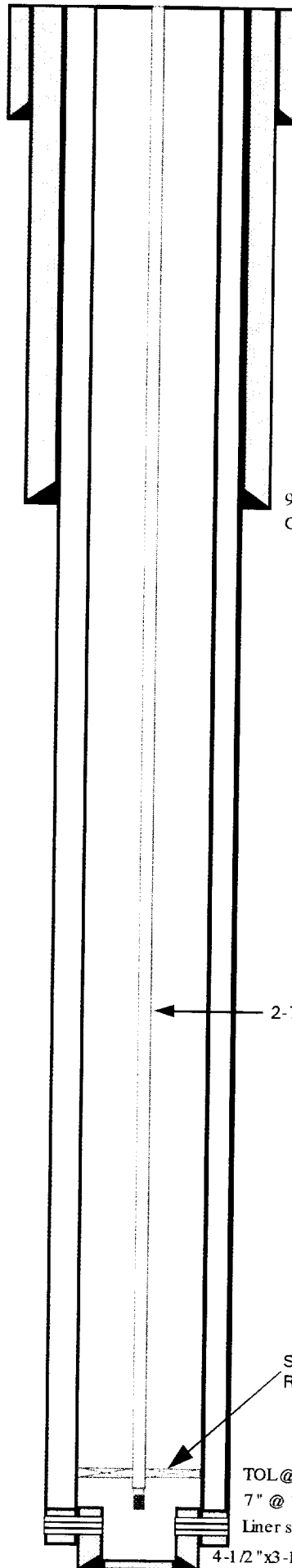
09/89 Perforated 7683'-88'(52 shots).  
Acidized 3 times. Swabbing water w/1'  
flare. FL @ 6350'.

04/04/90 SFER purchases well (SFER  
W.L 63.1908%)

**BEFORE P&A OF  
LOWER WELLBORE**

TD: 7718' PBTD: 7695'

Perfs: 7683'-88'



2063' FWL & 1294' FNL, SEC. 5  
T-22-S, R-24-E, Eddy Co., NM  
KB: 4225' GL: 4210'

13-3/8" @ 369' w/900 sx circulated to surface

9-5/8" @ 2500' w/811 sx, (Pumped 711 sx  
Cl. "C" + 100 sx Cl. "C" cap at surface)

2-7/8", 6.5#, J-55 tbgr @ 7100'

Submersible pump & Baker Model  
R Double Grip Pkr. set in 10/31/89.

TOL @ 7154' tally (7139' log)

7" @ 7689' w/250 sx, TOC @ 7390' by CBL

Liner set @ 7714' tally (7701' log)

4-1/2"x3-1/2" liner @ 7154'-7714' w/50 sx, TOC unknown



**Santa Fe Energy  
Resources, Inc.**

**Band Aid Federal  
No. 1  
Recompletion to WSW**

**Indian Basin Field**

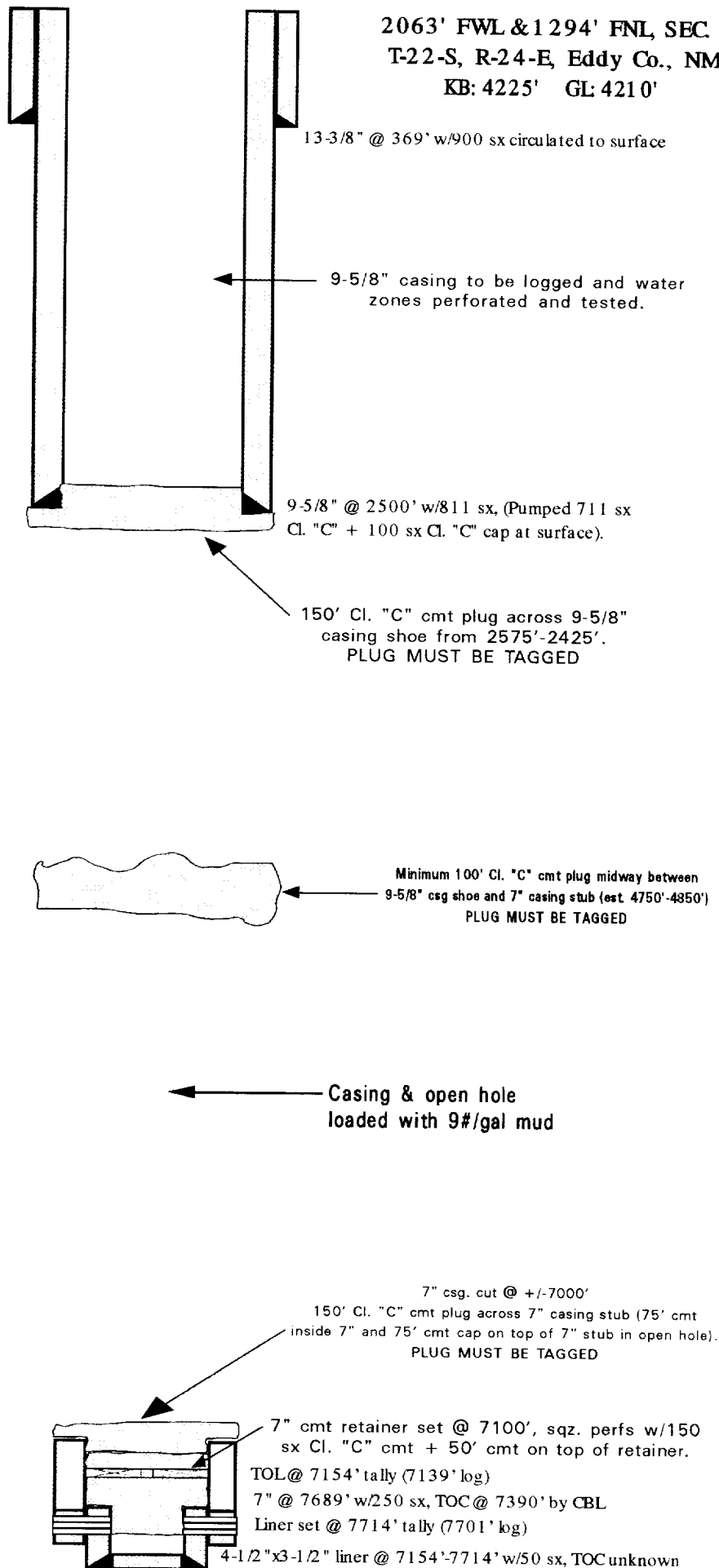
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