

CLSF

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

**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-29234
2. Name of Operator SONAT EXPLORATION (915) 684-0400	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 110 W. Louisiana, Midland, Texas Ste 500	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FNL & 1980' FEL SEC. 10, T24S R31E	8. Well Name and No. Lotos "10" Federal #1
	9. API Well No. 30-015-28572
	10. Field and Pool, or Exploratory Area S. Sand Dunes (Lower Penn)
	11. County or Parish, State Eddy County, New Mexico

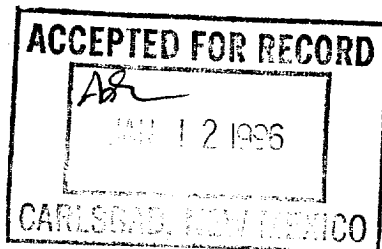
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" 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 Casing & Completion
	<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.)\*

SEE ATTACHMENT



RECEIVED

JAN 17 1996

OIL CON. DIV.  
DIST. 2

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

Signed K. Glenn Castro Title SR. DRG & PRODUCTION ENGR. Date 11-17-95

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

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 statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

**Lotos "10" Federal No. 1**

Sec 10, T24S, R31E  
Eddy Co, New Mexico

Norton Rig 14 spudded 17-1/2" hole at 6:00 a.m. 7/11/95.  
Drilled to 560'. Deviation at 530' was 3-1/4 degrees.  
Plugged back the 17-1/2" hole. Halliburton pumped 528 sx Class H  
with 3% CaCl<sub>2</sub>, 1% CFR (17 ppg). Plug spotted from 534'-238'.  
WOC 24 hrs. Drilled 17-1/2" hole to 712'.

**Surface Casing**

TD 17-1/2" hole at 712' at 9:00 p.m. 7/21/95.

Ran 13-3/8" 48# WC40 STC new surface casing and set at 712'.  
Centralized the bottom 3 joints and every 4th joint to surface.

BJ cemented with:

Lead - 700 sx Class "C" with 4% gel and 2% CaCl<sub>2</sub>  
(13.5 ppg, 1.74 ft<sup>3</sup>/sx)

Tail - 160 sx Class "C" with 2% CaCl<sub>2</sub>  
(14.8 ppg, 1.34 ft<sup>3</sup>/sx)

Circulated 238 sx cement to pit.  
Bumped plug at 6:45 a.m. 7/21/95.

Install wellhead with baseplate. Covered baseplate with cement.  
NU BOP and manifold.

Test BOP to 1,000 psi from 10:00-11:30 p.m. 7/22/95.

Test casing to 600 psi from 11:30 p.m.-12:00 a.m. 7/22/95.

**1st Intermediate Casing**

TD 12-1/4" hole at 4318' at 4:30 a.m. 7/30/95.

Ran used 9-5/8" 40# N80 LTC casing and set at 4318'.  
Centralized the bottom 3 joints.

BJ cemented with:

Lead - 1525 sx 35/65 Poz "H" with 6% gel, 5% salt, 1/4# FC  
(12.8 ppg, 1.94 ft<sup>3</sup>/sx)

Tail - 300 sx Class "H" with 1% CaCl<sub>2</sub>  
(15.6 ppg, 1.19 ft<sup>3</sup>/sx)

Circulated 234 sx cement to pit.  
Bumped plug at 11:45 p.m. 7/30/95.