

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-29234

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. V

Lotos "10" Federal
Well #1

9. API Well No.

30 015 28572

10. Field and Pool, or Exploratory Area

Bone Springs

11. County or Parish, State

Eddy, NM

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 ☐ INJECTION Other

2. Name of Operator

Sonata Exploration Co.-Midland

3. Address and Telephone No.

110 W. Louisiana, Suite 500, Midland, Texas 79701 915 684-0400

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

SURFACE: 1980' FNL & 1980' FEL
TD: Sec 10, T24S, R31E

12. CHECK APPROPRIATE BOX(es) 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
☐ 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.)

Request approval to recomplete and test in the Bone Springs as attached.

Please see "Executive Summary" for procedure and well bore diagram for proposed cement plug from 11,600-11,800 and proposed perforations in 3rd Bone Springs from 11,530-11,548.

Form C-102 filed listing Bone Springs Pool Name 10-5-98.

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

Signed

Title

Ann E. Ritchie
REGULATORY AGENT

Date 10-5-98

(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 #1
3rd Bone Springs Recompletion/Morrow Dual
Poker Lake Field - Eddy County, New Mexico
Executive Summary

1. MIRU pulling unit. NU 5000# hydraulic BOP.
2. RU wireline. Set tubing CIBP (2.10" OD) in tailpipe below permanent packer. RD wireline.
3. Release seal assembly from permanent packer. TOH w/2-7/8" production tbg.
4. TIH w/tbg and spot a 200' cmt plug across liner top from 11,800' - 11,600'. TOH w/tbg.
5. RU wireline. Perforate 3rd Bone Springs sand w/4" casing gun w/4 JSPF at the following interval:

11,530' - 11,548' (18', 72 Shots)

RD wireline
6. TIH w/2-7/8" tbg open-ended. Spot 200 gallons 7-1/2% NEFE HCL across perforated interval. Pull bottom of tbg uphole to +/- 11,400'.
7. Acidize 3rd Bone Springs perms w/2000 gallons 7-1/2" NEFE HCl carrying 108 7/8" 1.3 s.g. ballsealers. Pump at a desired rate of 5-6 BPM w/ maximum pressure 7000#.
8. Flow/swab back load check for shows.
9. TOH w/ 2-7/8" tbg.
10. Frac 3rd Bone Springs perms down 7" casing w/50,000 gallons 40# XLG carrying 100,000# 20/40 ISP proppant at an average rate of 40 BPM at maximum pressure of 7500#. Flush, flowback to force close.
11. Flow back well to recover load or until well dies.
12. TIH w/packer on 2-7/8" tbg. Set above Bone Springs perms @ +/- 11,450'. Turn well to sales.

Lotos "10" Federal No. 1

Section 10, T24S, R31E

1980' FNL & 1980' FEL, Unit Letter G

Eddy County, New Mexico

KB 22' AGL

Spud 7/11/95

Rig Release 10/08/95

13-3/8" 48# WC40 STC New
Surface Casing set at 712' in
17-1/2" hole with:
Lead - 600 sx Class C w/ 4% gel,
2% CaCl₂ (13.5 ppg, 1.74 ft³/sx)
Tail - 160 sx Class C w/ 2% CaCl₂
(14.8 ppg, 1.32 ft³/sx).
Circ 239 sx cmt to pit.

9-5/8" 40# N80 LTC Used
Intermediate Casing set at 4318'
in 12-1/4" hole with:
Lead - 1525 sx 35/65 Poz "H" with
6% gel, 5% salt, 1/4# FC (12.8, 1.94)
Tail - 300 sx Class H w/ 1% CaCl₂
(15.6 ppg, 1.19 ft³/sx)
Circ 234 sx cement to pit.

7" 26# P110 LTC New
Intermediate Casing set at 11,956'
in 8-3/4" hole. Bomb type DV tool
at 6513'. 1st Stage: Lead 1090 sx
50/50 Poz H w/ 2% gel, 5# salt, 1/4#
FC, 0.2% LWL (14.2, 1.35).
Tail 300 sx Class H w/ 0.1% R3
(15.6, 1.19). Circ 64 sx.
2nd Stage: Lead - 560 35/65 Poz
C with 6% gel, 5% salt, 1/4# FC,
0.5% LWL (12.4, 2.08).
Tail - 200 sx Class H neat (15.6,
1.19). TOC calc at 3500'.

5" 18# P110 STL New Flush Joint
Liner set from 11,657'-15,350' in
6-1/8" hole. Halliburton cemented
with 480 sx Class H w/ 15% SSA-1,
0.3% Gas Stop, 0.5% Halad 413,
0.2% SCR-100, 0.4% CFR-3 (16.4
ppg, 1.25 ft³/sx). Circulated 120 sx
cement above TOI. (699' inside 7"
casing). WOC 24 hrs. Drill out
cement. Test liner top to 2500 psi -
OK. Run 600 psi negative test - OK.
Clean out liner with 4" cement mill
and casing scraper. PBTD 15,254'.
Rig released 10/08/95.

