

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Con Division

811 S. 1st Street

Artesia, NM 88210-2834

FORM APPROVED  
Bureau No. 1004-0135  
Edition: March 31, 1993

JAN 7 10 00 AM '97

1. Lease Designation and Serial No.  
LC 028936

2. If Indian, Allotment or Tribe Name

7. If Unit or CA, Agreement Designation

3. Well Name and No.

Sand Tank 31 Fed Com. #1

9. API Well No.

30 015 29104

4. Field and Pool, or Exploratory Area

Sand Tank Bone Spring

11. County or Parish, State

Eddy County, 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

RECEIVED

JAN 08 1997

OIL CON. DIV.  
DIST. 2

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Enron Oil & Gas Company

3. Address and Telephone No.  
P. O. Box 2267, Midland, Texas 79702

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

660' FSL & 2220' FEL  
Sec 31, T17S, R30E

12. 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 Recommendation 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 attached workover procedure approved verbally by Tim Gum 1/2/97.

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

Signed Betty Gildomid Betty Gildomid: Regulatory Analyst

Date 1/3/97

(This space for Federal State office use)

(ORIG. SGD.) DAVID R. GLASS

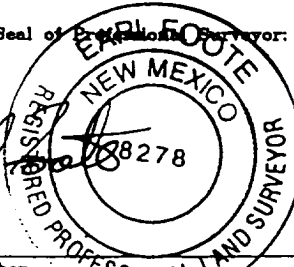
PETROLEUM ENGINEER

Date JAN 08 1997

Approved by \_\_\_\_\_  
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

16					<b>17 OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  <u>Betty Gildon</u> Signature <u>Betty Gildon</u> Printed Name <u>Regulatory Analyst</u> Title <u>1/2/97</u> Date
					<b>18 SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to best of my belief.</i>  <u>APRIL 9, 1996</u> Date of Survey <u>Signature and Seal of Professional Surveyor:</u>  <u>Earl F. Galt</u>  Certificate Number <u>8278</u>
<div><div>Y = 649613</div><div>X = 599542</div><div><div>660'</div><div>2220'</div></div></div>					

ENRON OIL & GAS COMPANY

SAND TANK '31' FED COM NO. 1

DECEMBER 31, 1996

PB procedural approval as per Tim Jun 01/02/97  
Well Information + Mary Morgan

Location: 660' FSL & 2,220' FEL

AFE No.: 101041 Cum Cost: \$ 880,260

Sec. 31, T17S R30E

Sand Tank Field

TD: 13,576' PBTD: CIBP @ 12,615'

Eddy County, New Mexico

KB: 3,595' (19' above GL)

Casing: 11-3/4", 42 lb/ft, H-40, ST&C set at 650' Cmt. Circ.

8-5/8", 32 lb/ft, K-55, ST&C set at 3,981' Cmt. Circ.

5-1/2", 17 lb/ft, L-80/CF-95, LT&C/Buttress, set at 12,957' DV Tool @ 8,443'

TOC @ 2,410' (Temperature Survey) and 10,300' (est.)

Tubing: 2-7/8", 6.5 lb/ft, L-80, EUE 8rd with PLS/OTSD(2.125" 'R' Profile) at 10,933'

Existing Perforations: **Devonian:** 12,720' - 12,751' (187 holes) GR/NT HT: 35'/16' BHT: 180° F

Current Production: Swabbing 135 BWPD± Black Water

**Morrow:** 11,011' - 11,015' (17 holes) GR/NT HT: 35'/16' BHT: 170° F

Reservoir Pressure: 4000 psig (est)

Current Production: Swabbing Dry very little entry.

Proposed Perforations: BS Carbonate: 7,766' - 7,834' (46 holes) GR/NT HT: 90'/48' BHT: 135°F

**Procedure to Plugback Morrow and Complete the Bone Spring Carbonate**

1. Bleed well down, Load hole with treated 2% KCL water containing 1 gpt Losurf 300. ND WH. NU BOP. Release PKR. TOH with 2-7/8" tubing.

2. RU cased hole unit and set a CIBP at 10,950'±. Dump bail <sup>35'</sup> of cement on top. Pressure test to 5,000 psig. RU 5M psig WP lubricator, and grease. Perforate with a 3-1/8" perforating gun 60° phased using 12 gram SCS charges as follows:

2a, set second CIBP @ 8,100' + cap w/ 35' cement  
7,766' to 7,798' (1 spf, 33 holes)  
7,822' to 7,834' (1 spf, 13 holes)  
**TOTAL 46 holes**

**Note:** Perforation and correlation depths are selected from Western Atlas Density/Neutron Log dated November 26, 1996.

3. TIH with 2-7/8" tubing to 7830'± and spot 200 gallons of 20% Ferchek SC acid. PU tubing to 7,700'±. ND BOP. NU tree.

4. RU HES and acidize with 4,800 gallons of 20% Ferchek SC acid dropping 90 ball sealers for diversion. Displace with 2% KCL. This should be treated down 2-7/8" tubing at an anticipated rate and WHTP of 6-7 BPM at 4,500 psi. **Note: Maximum WHTP: 5,000 psig.**

5. Swab/Flow test well to evaluate for stimulation.

Stimulation Services: HES Hobbs John Brown 505/392-6531

Wireline Services: Apollo Odessa Earl Erdmann 915/563-0891

***Fluid Recommendation*** \_\_\_\_\_

**FERCHEK SC ACID: (5,000 gal)**

Base Fluid	20% HCL Acid
Corrosion Inhibitor	1 gal/M HAI-81M
Iron Control	0.3% Ferchek SC
Surfactant	1 gal/M Losurf 300
Penetrating Agent	0.5 gal/M PEN-88M

## WELL SCHEMATIC

