

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. SF 078146 A
2. Name of Operator Emerald Gas Operating Co.	6. If Indian, Allottee or Tribe Name NA
3. Address and Telephone No. 570 Turner Drive, "B", Durango CO 81301 (303) 247-1500	7. If Unit or CA, Agreement Designation NA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NESW, 1934' FSL & 1794' FWL K, Section 27, T32N-R12W, NMPM	8. Well Name and No. Horton Fed. CB-27 #1
	9. API Well No. 30-045-28892
	10. Field and Pool, or Exploratory Area Basin Fruitland Coal
	11. County or Parish, State San Juan, NM

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"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Completion or Recompletion Report and Log.)

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 cased, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Emerald Gas permitted and planned to drill this well as an open hole completion in the Fruitland coals with surface set at approximately 300' and intermediate casing topset at approximately 2315'. The well was to be open hole completed and cased below this depth. However, there was concern that the well would produce better if cased and fraced. Verbal approval was granted to make this decision during drilling operations.

After 7" casing was topset at 2320' new information concerning completion techniques came to light and Emerald Gas decided to case and frac the well. It was completed as follows:

9-5/8", 36.0 #/ft @ 328' in 12-1/4" hole w/ 225 sx Class "B"

7", 23.0 #/ft @ 2320' in 8-3/4" hole w/ 450 sx

The well was drilled to TD of 2512', PBTD of 2508'.

5-1/2" liner set from 2240' to 2510', cemented w/ 80 sx Class "B" and perf'd as follows:

2360'-67', 2368'-71', 2375'-77'

2442'-44', 2447'-50', 2452'-58', 2461'-68', 2482'-91', 2493'-95'

2222 Test
CSg

The well was foam frac'd from 2360'-77 and 2442'-95' with 8000# 40/70 Brady sand and 157,000# 20/40 Brady sand in a foam frac of 645,000 SCF N₂ and 447 bbls. water. The well was put on production on 12/15/93.

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

Signed

[Signature]

Title

Mgr. Prod. & Geol.

Date

1/11/94

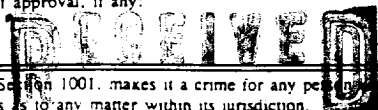
(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date



PTED FOR RECORD

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 statement or representations as to any matter within its jurisdiction.

JAN 21 1994

*See instruction on Reverse Side

JAN 18 1994

SUN. DIV. 1
DIST. 3

44000

FARMINGTON DISTRICT OFFICE
BY *[Signature]*