Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R14.4

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: M00-C-1420-1708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Mountain

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Engineering & Production Service, Inc.

8. FARM OR LEASE NAME: Ute Mountain

3. ADDRESS OF OPERATOR: P.O. Box 190, Farmington, NM 87401

9. WELL NO.: 1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 990' FSL & 790' FEL

10. FIELD AND POOL, OR WILDCAT: Barker Creek Dome Extension

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 30, T32N, R14W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6834 GR

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

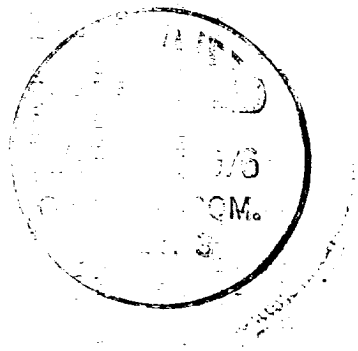
16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☒	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐				
(Other)				(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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.



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

SIGNED John Alexander TITLE Petroleum Engineer DATE 12-3-76

John C. Alexander

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

3E COMPANY, INC.

Engineering • Energy • Exploration

P. O. Box 190 —:— 505/327-4020

FARMINGTON, NEW MEXICO 87401

ENGINEERING & PRODUCTION SERVICE, INC.
UTE MOUNTAIN #1
990' FSL & 790' FEL
Sec 30, T32N, R14W

Following is a account of the attempts made to complete the subject well.

The 4½" casing was cleaned out to 3317 feet by drilling a DV tool at 1196 feet and 16 feet of shoe joint. The Dakota was perforated from 3301-3303 feet. Swab testing show 500+ barrels of water per day with no gas show. A wire line bridge plug was set at 3293'. The Dakota was perforated from 3282-3286. These perforations produced naturally at 1.7 MMCFD for three hours then logged off. Following a 75 sack cement squeeze, the zone was reperforated from 3281-3285 feet. Swab testing showed 500 MCFD and 500+ barrels of water per day. A wire line bridge plug was set at 3271 feet.

The Mesa Verde was perforated at 866-872 and 814-822. The lower set was acidized with 250 gallon 15% acid. The upper set was isolated, acidized with 1000 gallon 15% acid and subsequently foam fractured. The frac job resulted in a sand-off with 4200# of the intended 10,000# of 20-40 sand in the formation. Confluent testing of these perforations showed no gas or water entry. Both perforation sets were squeezed simultaneously with 75 sacks of cement. The squeeze job was drilled out and tested to 550 psi with no leak-off.

All plugs were drilled out to 3317 feet plug back total depth. The Dakota perforations were squeezed with 100 sacks cement under a retainer at 3250 feet. Cement was drilled out to 3317 and pressure tested to 400 psi with no leak-off. The interval from 3280-3282 was perforated and acidized with 500 gallon 15% acid. Swab testing showed 1 MMCFD gas and 480 barrels of water per day. A drillable bridge plug was set at 3260. The intervals from 3238-3241 and 3107-3110 were perforated. Each set was acidized with 250 gallon 15% acid. The entire interval was fractured with 12,000 gallon gelled water and 7500# of 20-40 sand. Swab testing showed 20 MCFD gas and approximately 50 barrels of water per day.

Request for plug instructions was made on 12-1-76.

John Alexander
Petroleum Engineer