

SF-079596

(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.)

- At surface 1940 FNL and 1140 FNL

irements.
JUN 30 1965

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

8. FARM OR LEASE NAME
Martin Gas Unit RFD

9. WELL NO.

I

10. FIELD AND POOL, OR WILDCAT

Hasin Dakota

11 SEC., T., R., M., OR BLK. AND
SUBVEY OR AREA

SW/4 NW/4 Section 14,
T-27-N. R-10-W

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

6170 (LDB)

12. COUNTY OR DISTRICT OF
San Juan

13. STATE
New Mexico

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

SUBSEQUENT REPORT OF :

(Other)

(Other)

Well History

(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.) *

The above well was spudded on 5-6-65 and drilled to a depth of 371'. 8-5/8" casing was set at that depth with 225 sacks cement containing 2% calcium chloride. Cement circulated to surface. After waiting on cement tested casing with 800 psi. Test OK. Reduced hole size to 7-7/8" and resumed drilling.

Well was drilled to a total depth of 6657 and 4-1/2" casing was set at that depth with stage collar set at 4795. Cemented first stage with 400 sacks cement containing 6% gel and 2 pounds tuf plug per sack followed by 100 sacks neat cement. Cemented second stage with 1100 sacks cement containing 6% gel and 2 pounds tuf plug per sack. After waiting on cement tested casing with 3500 psi. Test OK.

Perforated 6502-6516 and 6522-34 with 2 shots per foot. Fracked these perforations with 47,000 gallons water containing 0.8% potassium chloride and 2-1/2 pounds FR-8 per 1000 gallons, 34,000 pounds sand, 6000 pounds HCF-2 using 1/4 to 1/2 gallon surfactant per 1000 gallons. Breakdown pressure 1100 psi. Average treating pressure 3340 psi; average injection rate 47 BPM. Bridge plug set at 6490 and tested with 3500 psi. Test OK. Perforated 6414-6427, 6457-6462 with 3 shots per foot. Fracked these perforations with 26,000 gallons water treated as above and containing 26,000 pounds sand followed by 4000 pounds HCF-2 using 1/4 to 1/2 gallon surfactant per 1000 gallons. Breakdown pressure 3100 psi; average treating pressure 3450 psi; average injection rate 44 BPM. Drilled out bridge plug and flowed well to clean up.

2-3/8" tubing landed at 6425' and well completed 6-15-65 as shut in Basin Dakota Field Development well. Potential test 6-22-65. Flowed 4490 MCFPD through 3/4" choke after 3 hours flow. Absolute open flow potential 5414 MCFPD. Shut in casing pressure after 6 days

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

Fred L. Nabors, District Engineer

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SIGNED

ORIGINAL SIGNED BY

(This space for Federal Use Only)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE JUNE 28, 1965

RECEIVED

JUL 1 1965

OIL CON. CO.
DIST.

***See Instructions on Reverse Side**

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.