

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.

## 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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR	7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR	8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface	9. WELL NO.
14. PERMIT NO.	10. FIELD AND POOL, OR WILDCAT
15. ELEVATIONS (Show whether DF, RT, GR, etc.)	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
	12. COUNTY OR PARISH
	13. STATE

NM-022636

Hodges Fed.

1

Cato (San Andres)

Sec. 23, T-8-S, R-30-E

NMPM

Chaves

New Mexico

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

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON\*

☐

REPAIR WELL

☒

CHANGE PLANS

☐

(Other)

☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT\*

☐

(Other)

☐☐

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.)\*

Hodges Federal #1 was completed Sept. 18, 1968 by drilling to total depth of 3640 feet and setting 4 1/2" casing on bottom. The casing was cemented with 250 sacks with an estimated top of cement at 2600 feet. The 8 5/8" casing is set at 388' with cement circulated. The casing is perforated with 9 holes from 3588' to 3609', and treatment consisted of 7500 gallons of 15 percent acid.

Production declined to 3 barrels of oil and 5 barrels of water daily pumping. In September water production increased suddenly with loss of oil production. A water analysis indicates the fluid is relatively fresh (7,000 ppm Cl<sub>2</sub>) and is not formation water. A casing leak seems probable in the Rustler at about 1,000 feet from the surface.

It is proposed to set a retrievable bridge plug in the 4 1/2" casing above the perforations and test the casing using a packer on tubing. After the casing leak is located it will be cemented with 300 sacks of Class C cement to a squeeze pressure of 1,000 psi. The cement will then be cleaned out of the casing with a reverse unit and the casing tested. If the casing holds pressure satisfactorily, the bridge plug will be pulled and the well returned to production. Work is planned to begin about November 1, 1978.

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

SIGNED

*George E. Neal*

TITLE

Superintendent

(This space for Federal or State office use)

APPROVED BY

*Lee J. Lora*

TITLE

ACTING DISTRICT ENGINEER

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DATE 10-3-78

OCT 5 1978

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

## 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, 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; kind 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.

RECEIVED

OCT 12 1978

O. C. C.  
ARTESIA, OFFICE