

January 21, 1971

TO: New Mexico Oil Commission

SUBJECT: Deviation Record

COMPANY: Mark Production Co.

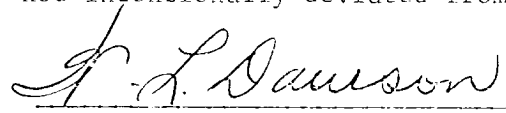
WELL: Conoco Fed. #2

LOCATION: 650/S, 1980/E, Sec. 30, T20S,  
R39E, Lea County, New Mexico

| <u>Depth (feet)</u> | <u>Deviation (degrees)</u> |
|---------------------|----------------------------|
| 358                 | 1/2                        |
| 673                 | 1/2                        |
| 986                 | 1/4                        |
| 1,310               | 1/2                        |
| 1,660               | 1                          |
| 1,981               | 3/4                        |
| 2,356               | 3/4                        |
| 2,793               | 3/4                        |
| 3,235               | 3/4                        |
| 3,695               | 3/4                        |
| 4,055               | 3/4                        |
| 4,215               | 3/4                        |
| 4,625               | 3/4                        |
| 5,035               | 3/4                        |
| 5,450               | 1 1/4                      |
| 5,868               | 1 3/4                      |
| 6,225               | 3/4                        |
| 6,619               | 1 1/4                      |
| 6,839               | 3/4                        |
| 6,990               | 3/4                        |
| 7,295               | 3/4                        |
| 7,420               | 3/4                        |

TRI-SERVICE DRILLING COMPANY  
Drilling Contractor

Before me, the undersigned authority, on this day personally appeared W. L. Dawson, known to me to be the person and officer whose name is subscribed to the foregoing instrument, and states that he is acting at the direction and on behalf of the operator of the well identified in this instrument and that such well was not intentionally deviated from the vertical.

  
W. L. Dawson

Subscribed and sworn to before me this 21 day of January, 1971.

\_\_\_\_\_  
Notary Public

Midland County, Texas.

RECEIVED

MAR 1 1971

OIL CONSERVATION COMMISSION  
WASHINGTON, D.C.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LM-079540

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Conoco-Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

D-K Abo

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

Sec. 30-T203-R39E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

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 ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Mark Production Company

3. ADDRESS OF OPERATOR

1108 Simons Building, Dallas, Texas 75201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.) 1980' FSL & 660' FSL of Sec. 30-T203-R39E,

At surface

Lea County, New Mexico

14. PERMIT NO.

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

3540' GR

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(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 perti-  
nent to this work.)\*

1-19-71 - 4-1/2", 11.60% R-40 & J-35, 5250' & 120' casing, set @ 7170' and cemented  
with 390 sacks Class "C" cement. Tested casing with 2000 psi pressure for 30  
minutes. No drop. Ran temperature survey. Top of cement at 5755'.

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

SIGNED

*Raymond H. Hamblen*

TITLE

Assistant Secretary

DATE

1-26-71

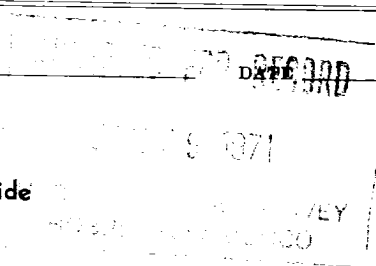
(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*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.

RECEIVED  
FEB 21 1974  
U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
M-079540

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Conoco-Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT  
B-X Abo

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

Sec. 30-T20S-R39E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

1. OIL ☒ GAS ☐  
WELL WELL OTHER

2. NAME OF OPERATOR  
Mark Production Company

3. ADDRESS OF OPERATOR  
1108 Simons Building, Dallas, Texas 75201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface 1980' PSL & 660' PSL of Sec. 30-T20S-R39E,  
Lea County, New Mexico

14. PERMIT NO.

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

3560' GR

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

NOTICE OF INTENTION TO:

|                                              |                                               |
|----------------------------------------------|-----------------------------------------------|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         |
| (Other) <input type="checkbox"/>             |                                               |

SUBSEQUENT REPORT OF:

|                                                    |                                          |
|----------------------------------------------------|------------------------------------------|
| WATER SHUT-OFF <input checked="" type="checkbox"/> | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREATMENT <input type="checkbox"/>        | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/>     | ABANDONMENT* <input type="checkbox"/>    |
| (Other) <input type="checkbox"/>                   |                                          |

(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.)\*

3-5/8" 24# H-40 casing set 1083' and cemented with 750 sacks cement. Circulated cement to surface. Cement allowed to set 18 hours. Tested with 1000 psi pressure for 30 minutes - no drop. Well spudded 12-28-70.

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

SIGNED

*August Thompson*

TITLE Assistant Secretary

DATE 1-5-71

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

JAN 11 1971

\*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY  
HOBBS, 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, 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                                                                                   |                           |                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------|
| 1a. TYPE OF WORK<br><b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>                                             |                           |                                        |
| b. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                           |                                        |
| 2. NAME OF OPERATOR                                                                                                                                                                               |                           |                                        |
| 3. ADDRESS OF OPERATOR                                                                                                                                                                            |                           |                                        |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface<br>At proposed prod. zone<br><b>Same as above</b>                                     |                           |                                        |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br><b>11 miles southeast of H...</b>                                                                                        |                           |                                        |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)                                                                                  | 16. NO. OF ACRES IN LEASE | 17. NO. OF ACRES ASSIGNED TO THIS WELL |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.                                                                                      | 19. PROPOSED DEPTH        | 20. ROTARY OR CABLE TOOLS              |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)                                                                                                                                                    |                           | 22. APPROX. DATE WORK WILL START*      |
| <b>140' GR</b>                                                                                                                                                                                    |                           | <b>Approx 1-2-70</b>                   |

| PROPOSED CASING AND CEMENTING PROGRAM |                |                 |               |                             |
|---------------------------------------|----------------|-----------------|---------------|-----------------------------|
| SIZE OF HOLE                          | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT          |
| 10-1/2-inch                           | 8-1/2-inch     |                 | 100'          | 100 sacks cement circulated |
| 7-7/8-inch                            | 6-1/2-inch     | 11.2            | 100'          | 100 sacks cement            |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Raymond Thompson TITLE ASSISTANT GEOLOGIST DATE November 10, 1970  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE CHIEF DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws 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 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.