

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
Dr. J. R. Jenkins
Artesia, NM 88210

Budget Bureau
Expires August 1, 1988
LEASE DESIGNATION AND SERIAL
LC-029388-C

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 ☒ Water Injection Well	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Marathon Oil Company	8. FARM OR LEASE NAME Johnson "A" Federal
3. ADDRESS OF OPERATOR P. O. Box 552; Midland, Texas 79702	9. WELL NO. 2
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below) At surface 660' FSL and 1980' FEL	10. FIELD AND POOL OR WILDCAT Shugart, Tr. Q, GrBg.
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, T-18-S, R-31-E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) DF 3713' GR 3701'	12. COUNTY OR PARISH Eddy
	13. STATE New Mexico

RECEIVED

JUN 26 '89

O. C. D.

ARTESIA, OFFICE

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRAC TURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRAC TURE 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 pertinent to this work.)*

Marathon Oil Company proposes to initiate operations to plug and abandon the above referenced well as per the attached procedure. Work to begin upon approval of Form 3160-5.

Subject to
Line Approval
by 10/03

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

SIGNED *J. R. Jenkins*

J. R. Jenkins TITLE Hobbs Prod. Superintendent

DATE 6/6/89

(This space for Federal or State office use)

APPROVED BY *Shirley J. Smith*

CONDITIONS OF APPROVAL, IF ANY:

FOR:
TITLE

CHIEF, MINERAL RESOURCES

DATE 6-23-89

*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.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq., 43 CFR 3160.
PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160

PLUGGING PROCEDURE
Federal Johnson "A" Well No. 2
North Shugart Field
Eddy County, New Mexico

PURPOSE: Plug and abandon (Casing leak below 916')

ELEVATION: 3701' GL 3713' KB

PBTD: 3382'

SURFACE CASING: 10 3/4" 32.75# H-40 Set to 815'. Cemented with 500 Sx.-Circulated.

PRODUCTION CASING: 7" 23# J-55 Set to 4216'. Cemented with 250 Sx. TAC-600'.

TUBING: 2 3/8" 4.7# J-55 (Internally plastic coated).

PACKER: Johnson A-1 at 3282'

SAFETY PRECAUTIONS: Keep TIW valve on rig floor at all times.

1. Move in and rig up pulling unit.
2. Remove wellhead and install 6" series 900 BOP's with 2 3/8" pipe rams.
3. Release packer. Circulate hole with 10 lb./gal. mud containing 25 sacks of gel per 100 barrels of water.
4. Pull out of hole with tubing laying down.
5. Rig up wireline company. Set CIBP at $\pm$ 3300'. Dump bail 35' of cement on top of CIBP. Rig down wireline company.
6. Pick up 2 3/8" workstring and RTTS packer and run in hole.
7. Isolate casing leak with packer. Establish injection rates and pressures.
8. Pull out of hole.
9. Run in hole with cement retainer on 2 3/8" workstring. Set retainer $\pm$ 50' above casing leak. Squeeze with $\pm$ 100 sacks. Sting out of retainer. Pump $\pm$ 1.5 barrels of cement on top of retainer. Pick up 4 stands. Reverse circulate cement to pit.
10. Circulate hole with 10 lb./gal. mud containing 25 sacks of gel per 100 barrels of water.
11. Perf 4 squeeze holes at 865'. Set retainer at 765'. Pump a 100' cement plug inside and outside the 7" casing across the 10 3/4" casing shoe.
12. Sting out of retainer.
13. Circulate hole with 10 lb./gal. mud containing 25 sacks of gel per 100 barrels of water.
14. Pull up hole laying down 2 3/8" tubing.
15. Nipple down BOP's.
16. Spot a cement plug from 50' B.G.L. to surface. Cut off wellhead 3' below surface.
17. Weld on steel cap. Install permanent marker.
18. Rig down pulling unit.

WELL DATA SHEET

FIELD N. Shugart

10-3/4"
@ 815'

LEASE AND WELL No. Johnson "A" Federal Well No. 2

LOCATION 660' FSL & 1980' FEL, Sec. 10, T-18-S, R-31-E

COUNTY AND STATE Eddy Co., NM

STATUS Injection

(Pumping, Flowing, gas lift, etc.)

2-3/8" IPC

PBTD 3382' GR 3701' DF 3713' KB Corr. 12'

SURFACE CASING 10-3/4" 32-3/4 lb/ft H-40

Set at 815' Cmt'd w/500 sks Circulated

PRODUCTION CASING 7" 23 lb/ft J-55

Set at 4216' Cmt'd originally w/250 sks.

Squeeze perfs at 3000' w/175 sks Class "C" neat

~~XXXX~~ Squeeze perfs at 2450' w/175 sks Class "C" w/2% CaCl₂

Squeeze perfs at 700' w/200 sks Class "C" neat. TOC 604'

TUBING 105 ft 2-3/8" 4.7 lb/ft 8rd J-55 internally

plastic-coated

2-3/8" x 7" Johnson A-1 packer set in 10K tension @ 3282' KB

RODS NA

Johnson A-1
packer @ 3282'

3332'
Queen

3347'

PBTD 3382'
3944'

Grayburg

4139'

7" @ 4216'

TD 4217'

PUMPING UNIT NA

PRESENT COMPLETION (Formation and Interval)

Queen 3332-47 3 JSPP

HISTORY: Drilled 1956. Originally completed in Grayburg. Grayburg plugged 1957.
Perf'd Queen 1957. Set pumping unit in 1958. Converted to SWD in 1966. 1985 Shot
squeeze holes at 3000', 2450' and 700' (cmt as above) to stop water flow. Failed
bradenhead test 3-13-89.

PREPARED BY: Eric M. Pringle

DATE: 3-31-89