

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different ~~Section~~.
Use "APPLICATION FOR PERMIT—" for such proposals ~~Office~~

MAR - 6 1992 C-029388 (d)

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Injection well

2. Name of Operator

Marathon Oil Company

3. Address and Telephone No

P. O. Box 552, Midland Texas, 79702 (915/682-1626)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit C, 660' FNL & 1980' FWL
Section 15, T-18-S, R-31-E

5. Lease Designation and Serial No.

8. Well Name and No.

Johnson "B" Fed. A/C2 #2

9. API Well No.

30-015-05557

10. Field and Pool, or Exploratory Area

Shugart (Y,SR,Q,G)

11. County or Parish, State

Eddy County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

13. 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 recomplete and stimulate the Johnson "B" Federal A/C 2 No. 2. The well will be converted to a Grayburg producer by squeezing off the Queen injection interval, adding pay and refracturing the Grayburg. This work is scheduled to start in March of 1992. Listed on the following page is the proposed procedure to complete this work.

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

Signed R. Gaddis Title Production Engineer Date 3-2-92

(This space for Federal or State office use)

Approved by David A. Glass Title UNITED STATES Date 3-4-92

Conditions of approval, if any:

Attachment to Form 3160-5
Federal A/C 2 No. 2
Item 13

1. Check SITP. Blow down tbg and check for flow. Pressure test annulus to 500 psi. Inspect location and test safety anchors.
2. RU H₂S safety equipment. MIRU PU. Nipple down wellhead and NU BOP.² Release packer at 3250' and POOH laying down tbg and packer.
3. PU 5 1/2" RTTS tool and RIH on 2 7/8" workstring and set packer at ±3200'. Establish injection rate in Queen perfs at 3318-32' and squeeze same with a total of 150 sacks. Release packer and POOH w/tools.
4. PU bit and drill collar and RIH. Drill out squeeze and test to 1,000 psi. Drill out CIBPs at 3420' and 4010'. Clean out to PBTD at 4144'. POOH w/tools.
5. RU perforators and perforate the Grayburg at 3972-81', 4015-20', 4023-28', 4034-41' and 4056-94' w/2 JSPF for a total of 138 holes. RD perforators.
6. RIH w/5 1/2" RTTS tool. Set packer at ±3850'. Pressure annulus to 500 psi. Acidize perfs 3972-4094' w/6,400 gals of 15% NEFE using 300 ball sealers for divert. Flow and swab well back.
7. Release packer and knock balls off perfs. PU and set packer at ±3850'. Frac perfs 3972-4094' w/34,500 gals x-linked 2% KCl and 76,500 lbs 20/40 sand and 21,000 lbs 20/40 resin coated sand. Shut well in.
8. Flow and swab well back until sand production ceases. Check PBTD.
9. Release packer and POOH laying down workstring. PU 2 3/8" production tbg w/MA, SN and TAC. Land SN at ±3950'. ND BOP & NU wellhead. RIH w/2" pump, combination 7/8" & 3/4" steel rods. Hang well on. RDMO PU. Start well producing to test tank.

JOHNSON "B" A/C 2 NO. 2
660' FNL & 1980' FWL
SECTION 15, T-18S, R-31E
EDDY COUNTY, NEW MEXICO

TD: 4210' PBD: 4144'
GL: 3682' KB: 3694'

SPUDDED: 6/10/57
COMPLETED: 7/9/57

2-3/8" PC TBG

SURFACE: 9-5/8" 32.3# H-40 SET @ 800', CEMENTED
W/525sx TRINITY REG PLUS 3% GEL.
CEMENT CIRCULATED.

JOHNSON 101-S
PKR @ 3250'
V/11 PTS TEN.

CIBP @ 3420'
V/10' CMT ON
TOP

CIBP @ 4010'

PBD @ 4144'

TD @ 4210'

QUEEN

PBD @ 3410'

UPPER GRAYBURG

LOWER
GRAYBURG

5-1/2" @
4156'

PERFORATIONS:

3975'-76'
4035'-36'
4066'-67'
4089'-90'

PRODUCTION: 5-1/2" 15.5# J-55 SET @ 4156', CEMENTED
W/500sx TRINITY INFERNO W/3% GEL.
TOC @ 1890' BY TEMP.

TREATMENT HISTORY:

11/57 PERF QUEEN @ 3318'-32'.
14/57 ACIDIZED QUEEN W/500 GAL MUS ACID.
MxTP 2000#, FRAC W/20,000 GAL REFINED
OIL + 20,000# SAND. OVERFLUSH W/135 BBL
LEASE OIL. MxTP 3100#, MnTP 3000# AIR 21.4 BPM.
24/57 FLVD 50 BBL.
4/57 PLACED QUEEN ON PUMP.

4/11/62 PERF 3975'-76', 4035'-36', 4066'-67', 4089'-
90'. W/4 JSPF. SPOT 250 GAL SPEARHEAD
ACID.
4/12/62 FRAC W/20,000 GAL REFINED OIL + 30,000#
SAND. IN 4 STAGES MxTP 5450#. MnTP 4700#
AIR 16 BPM. ISIP 2200#.
5/16/62 SET CIBP @ 4010', FRAC FROM 3975'-76', W/
6000 GAL REFINED OIL + 9000# SAND. MxTP
6400#. MnTP 6250#. AIR 13.1 BPM. ISIP 2600#.
6/15/62 PUMP 10 BD & 94 BV
8/19/66 SET CIBP @ 3420' W/10' CEMENT ON TOP
8/23/66 CONVERTED TO QUEEN INJECTOR