

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.

N.M. Div-Dist. 2

301 W. Grand Avenue
Artesia, NM 88210FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MARBOB ENERGY CORPORATION

3a. Address

PO BOX 227, ARTESIA, NM 88211-0227

3b. Phone No. (include area code)

(505) 748-3303

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

330 FNL 990 FWL, SEC. 1-T18S-R27E, LOT 4

5. Lease Serial No.

NMLC062412

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Well Name and No.

AAO FEDERAL #1

API Well No.

30-015-32307

10. Field and Pool, or Exploratory Area

RED LAKE QUEEN GRBG SA

11. County or Parish, State

EDDY CO., NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

ADD PAY IN SAN ANDRES AS FOLLOWS:

1. SET CIBP @ 3250'
2. PERF LOWER & UPPER SAN ANDRES-LOWER: 2974'-3071' (8), UPPER: 2356'-2900' (25)
3. ACIDIZE THE LOWER SAN ANDRES 2974' - 3071' W/ 1000 GAL NEFE 15% HCL
4. ACIDIZE THE UPPER SAN ANDRES 2356' - 2900' W/ 4000 GAL NEFE 15% HCL
5. FRAC SAN ANDRES DOWN CASING

APPROVED

MAR 10 2003

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

DIANA J. CANNON

Title PRODUCTION ANALYST

Signature

Date MARCH 7, 2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-015- 32307	51300	RED LAKE QUEEN GRBG SA
Property Code	Property Name	Well Number
29793	AAO FEDERAL	1
OGRID No.	Operator Name	Elevation
14049	MARBOB ENERGY CORPORATION ✓	3630'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	1	18-S	27-E		330	NORTH	990	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
39.79									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

[illegible]

**AAO Fed 1
330' fnl, 990' fwl
Sec 1-18s-27e
Eddy Co., NM**

19 Jan 03

Workover Procedure—Add Pay

Objective: Add pay in San Andres. The Lower San Andres will be acidized and swab tested by itself. If it yields a good oil show, it is likely that the Lower and Upper San Andres will be fraced together assuming the Upper San Andres yields a good oil show. If the Lower San Andres is not included in the frac, a decision may be made to decrease the size of the attached frac job. The San Andres will be pump tested by itself initially then commingled with the Yeso later.

Well Data: See wellbore sketch.

Procedure:

1. Set CIBP or 5K composite BP at approx. 3250' to cover the Yeso. Test plug to 2000 psi.
2. Perf Lower and Upper San Andres with one shot at the depths shown below using 4" casing gun with Millenium charges.

Lower San Andres: 2974', 2978', 3011', 3014', 3032', 3055', 3064', 3071' (8)

Upper San Andres: 2356', 2364', 2396', 2420', 2443', 2447', 2462', 2475', 2480', 2483',
2519', 2523', 2528', 2606', 2662', 2674', 2685', 2688', 2724', 2770',
2818', 2827', 2840', 2870', 2900' (25)

Perfs above picked on Density-Neutron log dated 11-27-02. The Depth Control Log generally appears to be 2 feet off – subtract 2' when converting open hole perfs above onto the Depth Control Log..

2. Acidize the Lower San Andres 2974-3071' with 1000 gal NE Fe 15% HCl with 16 ballsealers. Swab test for oil show. If good oil show, will probably frac Lower and Upper SA together.
3. Acidize the Upper San Andres 2356-2900' with 4000 gal NE Fe 15% HCl with 50 ballsealers. Swab test for oil show.
4. Frac San Andres down casing per attached frac design. If Lower SA is not to be fraced, a decision might be made to reduce the size of the attached frac job.

Kbc/ao fed 1a

Zero: 12' AGL

KB : 36421

GL : 3630'

Location: 330' N 990' W

Lot 4-1-189-27e

Eddy NM

Casing Program:

[illegible]

12/02 Y₂₅₀: 3340, 42, 3405, 09, 12, 24, 55, 58, 3521, 29, 34, 44,
48, 53, 68, 78, 94, 3601, 04, 3618' (20)

Acid 2000g 15% HCl 6e1700 IEP 815 Bullhox2
PFL 1900' 2% oil

HA: 54,000 g gal + 35,000 g. 20% HCl (12.85)
Load @ 14 bbl/s, 20.2 @ 1120 PSI: 949

CA: 5000 g 15% HCl
PWP E3P.

1/03: PWD P rod.

" AFTER "

S. Andres

Yes

1st: 200 Super H (Circ 825x)
2nd: 415 HLC + 100 Super H (Circ 405x)

- Sketch Not To Scale -

KB Collins / 19 Jan 02