

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505



Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address MARBOB ENERGY CORPORATION PO BOX 227 ARTESIA, NM 88211-0227		² OGRID Number 14049
³ Property Code 25375		⁴ API Number 30-015-31390
⁵ Property Name D STATE		⁶ Well No. 24

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	25	17S	28E		990	SOUTH	1650	EAST	EDDY

⁸ Proposed 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
⁹ Proposed Pool 1 ARTESIA QUEEN GRABURG SA					¹⁰ Proposed Pool 2				

¹¹ Work Type Code A	¹² Well Type Code M	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3675' GL
¹⁶ Multiple Y	¹⁷ Proposed Depth 4467'	¹⁸ Formation SAN ANDRES	¹⁹ Contractor	²⁰ Spud Date

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	427'	350 SX, CIRC	
7 7/8"	5 1/2"	17#	4455'	960 SX, CIRC	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.

Describe the blowout prevention program, if any. Use additional sheets if necessary.

ADD PAY IN SAN ANDRES AS FOLLOWS:

1. SET CIBP @ 3900'
2. PERF LOWER SAN ANDRES-3449'-3565' (6) & UPPER SAN ANDRES-2895'-3169' (27)
3. ACIDIZE LOWER SAN ANDRES 3449'-3565' W/ 1000 GAL NEFE 15% HCL
4. ACIDIZE UPPER SAN ANDRES 2895'-3169' W/ 4000 GAL NEFE 15% HCL
5. FRAC SAN ANDRES DOWN CASING

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: DIANA J. CANNON

Title: PRODUCTION ANALYST

Date: 3/3/03

Phone: (505) 748-3303

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date:

MAR 10 2003

Expiration Date:

MAR 10 2004

Conditions of Approval:

Attached ☐

OCT 17 2000

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

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

DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-31390		Pool Code 03230	Pool Name ARTESIA QUEEN GRAYBURG SA	
Property Code 25375	Property Name "D" STATE			Well Number 24
OGRID No. 14049	Operator Name MARBOB ENERGY CORPORATION			Elevation 3675

Surface Location

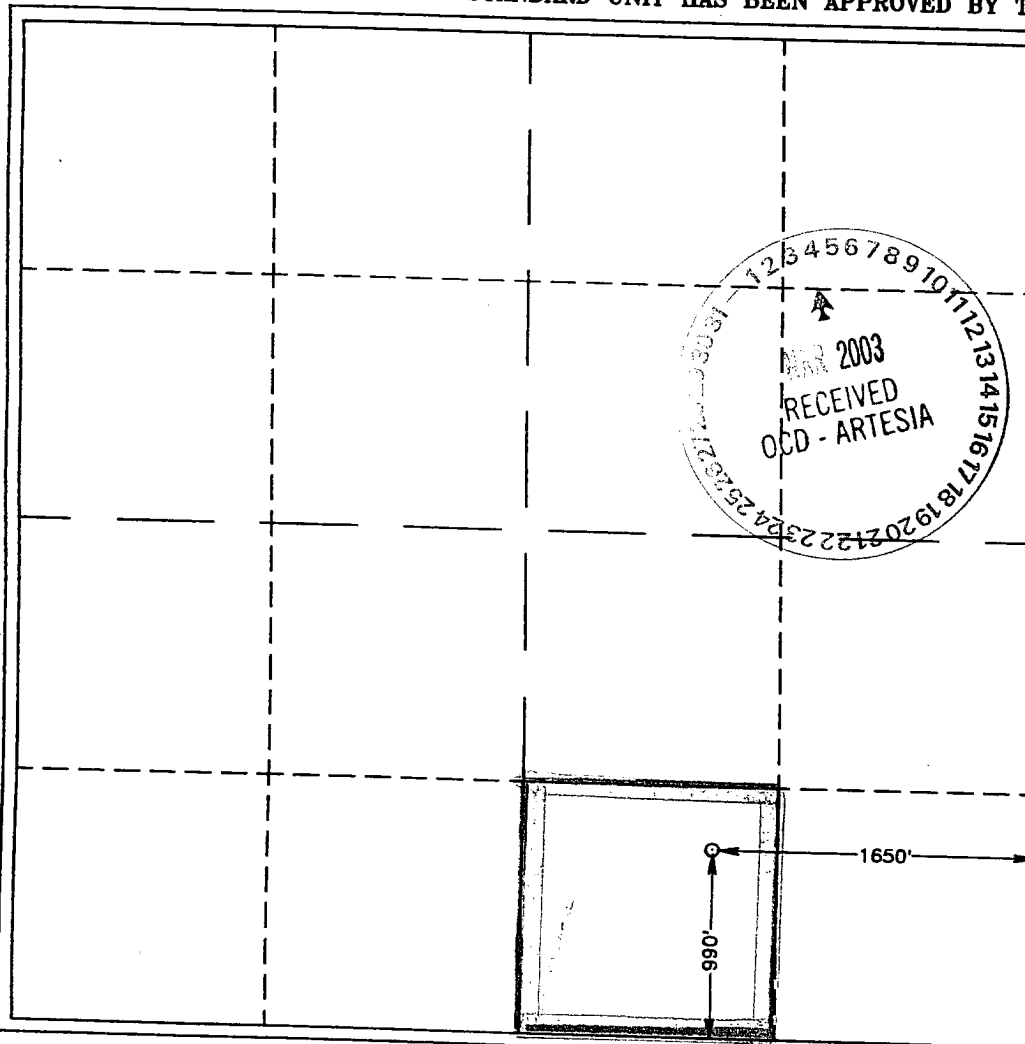
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	25	17 S	28 E		990	SOUTH	1650	EAST	EDDY

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 40	Joint or Infill	Consolidation Code	Order No.
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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



OPERATOR CERTIFICATION

I hereby certify the the information
contained herein is true and complete to the
best of my knowledge and belief.

Diana J. Cannon
Signature

DIANA J. CANNON
Printed Name

PRODUCTION ANALYST
Title

MARCH 3, 2003
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown
on this plat was plotted from field notes of
actual surveys made by me or under my
supervision and that the same is true and
correct to the best of my belief.

OCTOBER 10, 2000

Date Surveyed JLP

Signature & Seal of
Professional Surveyor

Ronald J. Edson
W.O. Num. 00-11-1207

Certificate No. RONALD J. EDSON, 3239
GARY C. EDSON, 12641

**D State 24
990' fsl, 1650' fel
Sec 25-17s-28e
Eddy Co., NM**

14 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. 3900' 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: 3449', 3466', 3486', 3525', 3537', 3565' (6)

Upper San Andres: 2895', 2917', 2929', 2938', 2940', 2942', 2944', 2946', 2950', 2956',
2958', 2981', 2986', 2999', 3003', 3011', 3025', 3046', 3073', 3084',
3099', 3109', 3113', 3120', 3128', 3162', 3169' (27)

Perfs above picked on Density-Neutron log dated 4-5-01. The Depth Control Log generally appears to be on depth – no correction needed. Note that scale on Depth Control Log is somewhat larger than scale on open hole log.

2. Acidize the Lower San Andres 3449-3565' with 1000 gal NE Fe 15% HCl with 12 ballsealers. Swab test for oil show. If good oil show, will probably frac Lower and Upper SA together.
3. Acidize the Upper San Andres 2895-3169' with 4000 gal NE Fe 15% HCl with 54 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/d state 24a

Location: 990'S, 1650'E
D-25-175-28e
Eddy NM

Zero: 12' AGL

KB : 3687'

GL : 3675'

Casing Program:

[illegible]

5/01: Yeso: 4037, 46, 50, 59, 71, 77, 86, 96, 4102 10,
19, 69, 4201, 07, 13, 28, 36, 67, 74, 4281 (20)

Acid 2000g 15% HCl 6.2 @ 1550 F&I = 1049 Bu. Nat. 11
PFL 1300' 3% oil

HA: 54,000 g. gal + 35,000 g. 20% HCl (15135)
20.2 e 1430 IGI: 1257

CA: 5,000g. 15% HCl
PWP ESP.

8/d): Pwop rod.

8 5/8" @ 427'
350" C" Cir 8064

"AFTER"

S. Andres

Yes

850 "C" Zone Seal + 50 "C" + 50 "C" Cap Circ. 30 s x

- Sketch Not To Scale -

KAROLLIN 1/14 Jan 03