

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 26988		⁴ API Number 30-015-23207
⁵ Property Name CARLSBAD STATE COM		⁶ Well No. 1

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
E	16	22S	27E		2140	NORTH	990	WEST	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 CARLSBAD; WOLFCAMP, (SOUTH) (GAS)						¹⁰ Proposed Pool 2			

¹¹ Work Type Code P	¹² Well Type Code M	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3105'
¹⁶ Multiple Y	¹⁷ Proposed Depth 11827'	¹⁸ Formation WOLFCAMP	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
20"	16"	65#	373'	595 SX	0
14 3/4"	10 3/4"	40.5 & 45.5#	5270'	3250 SX	0
9 1/2"	7 5/8"	26.4, 29.7 & 33.7#	10590'	2100 SX	0

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.

PERF THE WOLFCAMP ZONE W/ 1 SPF @ 9380'-9484' (12), 9659'-9713' (12), & 9770'-9826' (11). STRADDLE 9770'-9826', ACIDIZE W/ 2000 GAL 15% NEFE HCL. SWAB TEST. STRADDLE 9659'-9713', ACIDIZE W/ 2000 GAL 15% NEFE HCL. STRADDLE 9380'-9484', ACIDIZE W/ 2500 GAL 15% NEFE HCL. STRADDLE 9380'-9713'. SWAB TEST.
(PROCEDURE ATTACHED)

NSL 4862 A

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: 7/9/03

Phone: (505) 748-3303

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: SEP 02 2003

Expiration Date:

Conditions of Approval:

Attached ☐

SEP 02 2004

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

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

DISTRICT II
P.O. Drawer 88, Artesia, NM 88211-0718

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-23207	Pool Code 74200	Pool Name CARLSBAD; WOLFCAMP, SOUTH (GAS)
Property Code 26988	Property Name CARLSBAD STATE COM	Well Number 1
OGED No. 14049	Operator Name MARBOB ENERGY CORPORATION	Elevation 3105

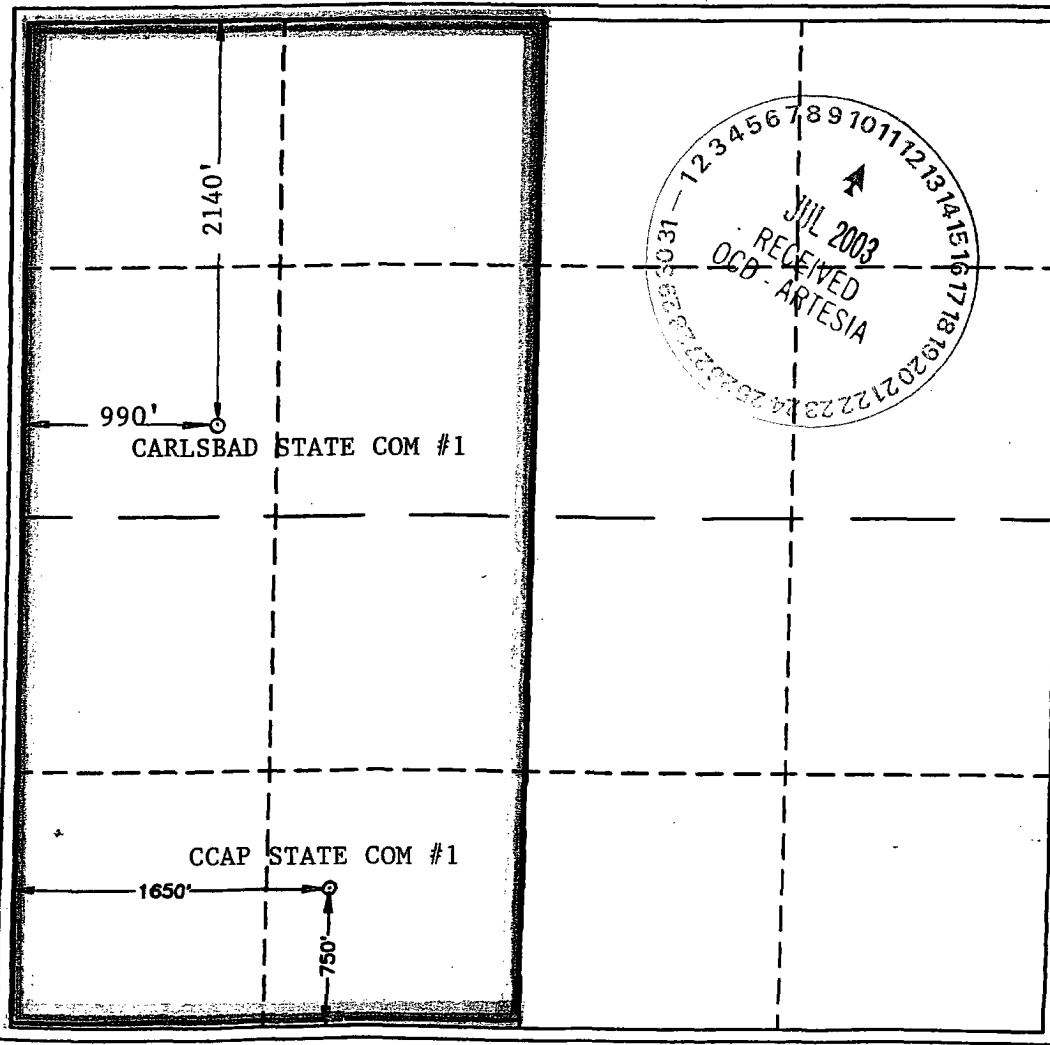
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	16	22 S	27 E		2140	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 320	Joint or Infill	Consolidation Code	Order No.						

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Diana J. Cannon</i> Signature DIANA J. CANNON Printed Name PRODUCTION ANALYST Title JULY 9, 2003 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>SEPTEMBER 11, 2000</p> <p>Date Surveyed Signature & Seal of Professional Surveyor RONALD J. EDSON W.O. Num. 00-11-1010 Certificate No. RONALD J. EDSON, 3239 GARY S. EDSON, 12841 MAGON, McDONALD, 12185</p>
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**Carlsbad St Com 1
Sec. 16 T22S R27E
Eddy Co., NM**

**Recompletion Procedure
7 July 03**

Objective: Complete in the Wolfcamp Lime. Strawn has already been abandoned with a CIBP at 10150' with 35' cement on top. There are 302 jts. 2-3/8" hanging in well.

Procedure:

1. POOH with tubing, laying down as necessary.
2. RU lubricator and perf the Wolfcamp with 1 spf at any phasing at the depths shown below using a 4" casing gun.

Wolfcamp: 9380', 9390', 9411', 9412', 9424', 9430', 9436', 9443', 9465', 9466', 9467', 9484' (12 shots)
9659', 9661', 9667', 9669', 9672', 9674', 9681', 9685', 9693', 9695', 9702', 9713' (12 shots)
9770', 9771', 9796', 9799', 9803', 9807', 9811', 9813', 9821', 9824', 9826' (11 shots)

3. RIH with packer/RBP (ballcatcher), straddle 9770-9826', open bypass to spot acid to packer and acidize with 2000 gals. NE Fe 15% HCl inhibited for 165 deg F at 3-5 bpm while keeping annulus full. Drop 20 balls spaced through job. Swab test this zone by itself because it might be wet.
4. Kill well, move tools, straddle 9659-9713', open bypass to spot acid to packer and acidize with 2000 gals. NE Fe 15% HCl acid inhibited for 165 deg F at 3-5 bpm while keeping annulus full. Drop 25 balls spaced through job.
5. Kill well, move tools, straddle 9380-9484', open bypass to spot acid to packer and acidize with 2500 gals. NE Fe 15% HCl inhibited for 165 deg F. at 3-5 bpm while holding 500 psi on annulus. Drop 25 ballsealers spaced through job. Move tools to straddle 9380-9713' and swab test.
6. Depending on individual swab tests, any wet zones will be squeezed or isolated with CIBPs.

Additional Procedures Will Be Issued If/As Necessary

Kbc/Carlsbad st com 1 c