



**Amoco Exploration and Production
U.S.A. Operations Group**

Permian Basin Business Unit

501 WestLake Park Boulevard
Post Office Box 4891
Houston, Texas 77210

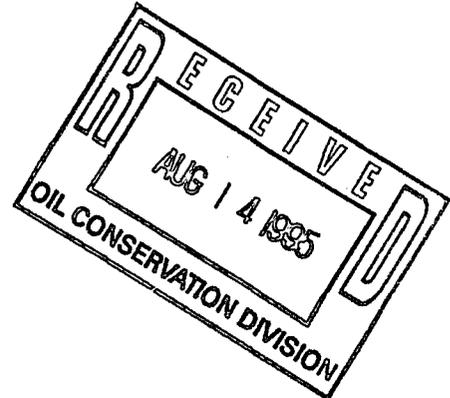
**Perry Jarrell, Resource Manager
Bravo Dome JOMT**

August 11, 1995

Mr. Mike Stogner
Attn: Roy Johnson
New Mexico Oil Conservation Division
310 Old Santa Fe Trail
Santa Fe, NM 87504-1148

File: MDR-1934162J-WF

Re: Non-Standard Location
BDCDGU Well No. 1934-161J
(1999' FSL x 2574' FEL, Sec.16, T19N, R34E)
Union County, NM



Gentlemen:

Amoco Exploration and Production Company respectfully requests your approval to drill a non-standard location in the Bravo Dome Carbon Dioxide Unit. The BDCDGU Well No. 1934-162J is currently staked at a non-standard location due to terrain. The lease acreage involved is 100% State owned and the staked location will not impact the interest of either the Working Interest Owners or Royalty Owners in the Bravo Dome Unit.

Enclosed is our Application for Permit to Drill (C-101 and C-102) along with a topography map showing the location of the subject well.

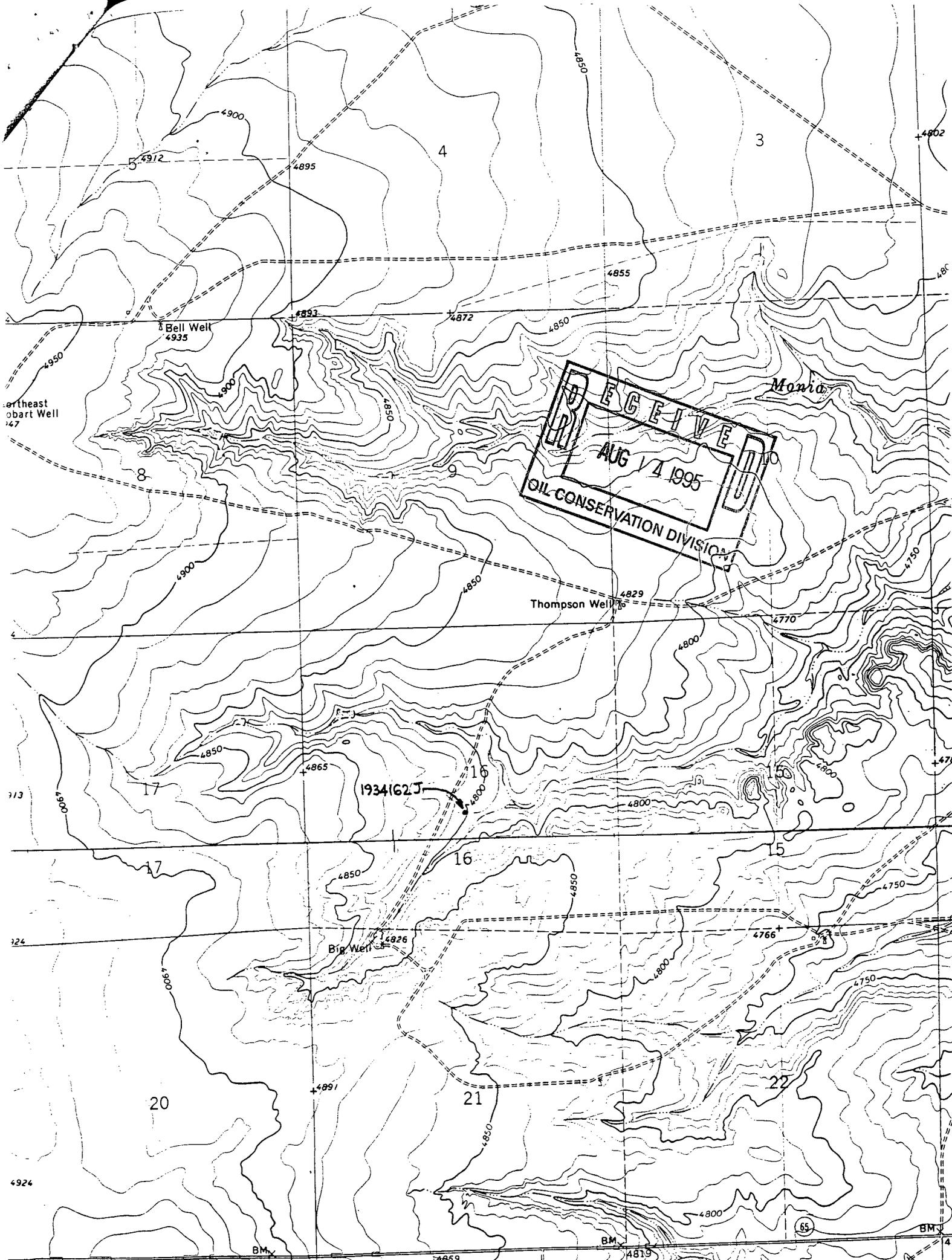
If you have any questions, please give me a call at (713) 366-7686.

Sincerely,

Perry Jarrell
dmp

Attachments

DMP/mos



RECEIVED
AUG 4 1995
OIL CONSERVATION DIVISION

1934162J

Northeast
Robertson Well
47

Bell Well
4935

Thompson Well
4829

Big Well
4826

Monia

BM
4908

BM
4819

BM
476

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

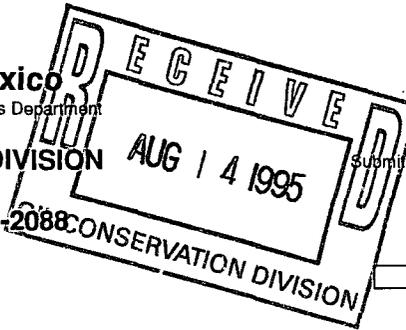
District II
P.O.Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd, Aztec, NM 87410

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

State Of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, NM 87504-2088



Form C-101
Revised February 10, 1994
Instructions on back
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

Operator Name and Address		OGRID Number
Amoco Production Company P. O. Box 4891 Houston, TX 77210		000778
Room 17.165		API Number 30-059-
Property Code 000335	Property Name BDCDGU 1934	Well Number 162

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet From the	North/South line	Feet from the	East/West line	County
J	16	19N	34E		1999'	South	2574'	East	Union

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

Work Type Code N	Well Type Code C	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 4864' GL
Multiple No	Proposed Depth 2420'	Formation Tubb	Contractor Sitton #8	Spud Date August 22, 1995

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.50"	13.375"	24#/ft steel	700'	600 sacks/class c cmt	Surface
12.25"	9.625"	5.91#/ft fiberglass	2200'	450 sacks/class c cmt	Surface
12.25"	9.625"	15.50#/ft steel	220'	? sacks/class c cmt	

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.

Mud Program: 0-700' Fresh water and native mud
700'-2420' Fresh Water/Gel/Starch

BOP Program Attached
Topographic Map Attached
Letter Requesting Unorthodox Location, due to topography, attached

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSERVATION DIVISION	
	Approved by:	
Signature:	Title:	
Printed Name: Devina M. Prince	Approval Date:	Expiration Date:
Title: Staff Assistant	Conditions of Approval:	
Date: 8/11/95 Phone: (713) 366-7686	Attached	

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 96010	³ Pool Name BRAVO DOME CARBON DIOXIDE GAS (640)
⁴ Property Code 000335	⁵ Property Name BDCDGU 1934	
⁷ OGRID No. 000778	⁸ Operator Name AMOCO PRODUCTION COMPANY	⁶ Well Number 162
		⁹ Elevation 4800.00'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
J	16	19N	34E		1999'	SOUTH	2574'	EAST	UNION

¹¹ 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

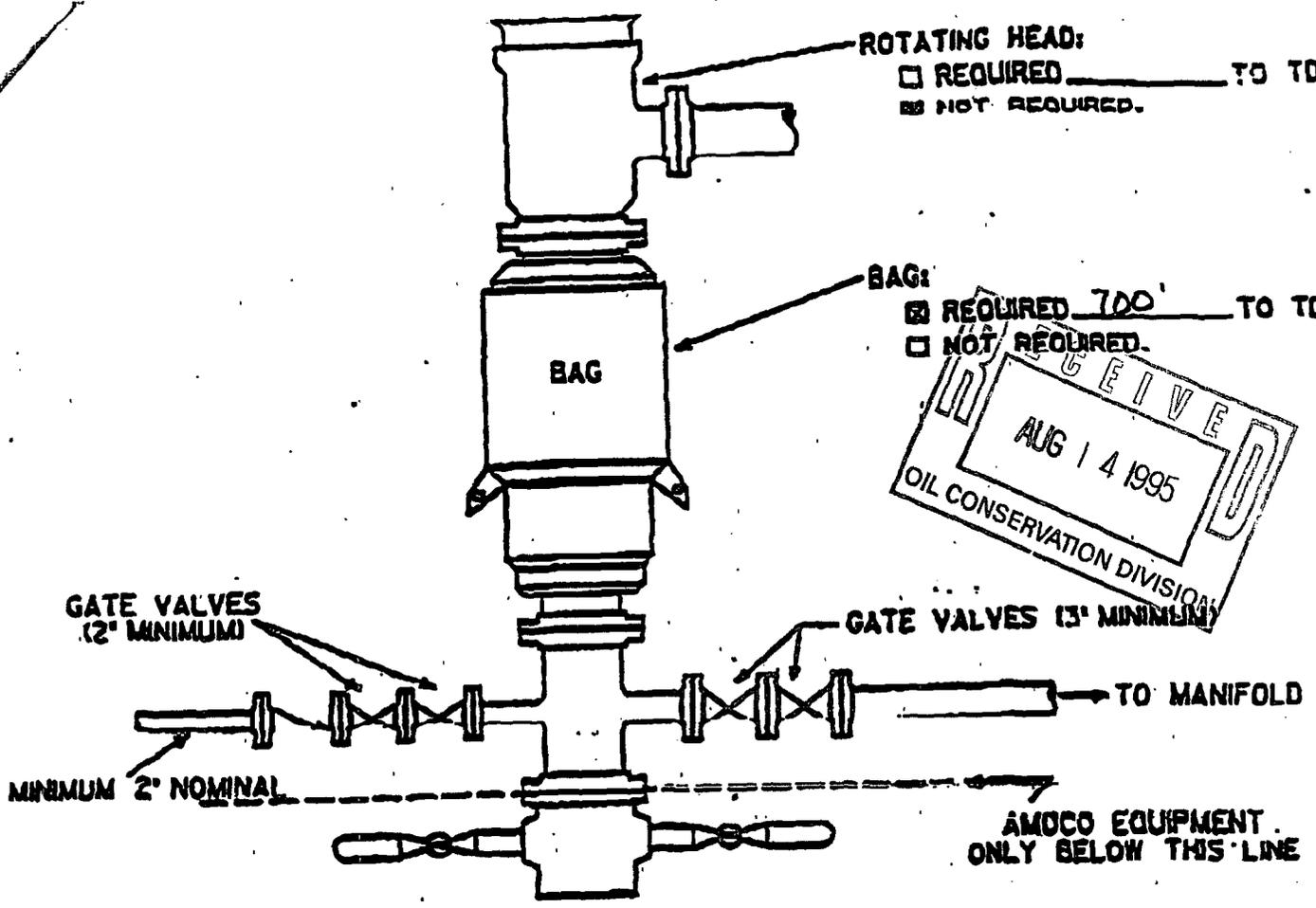
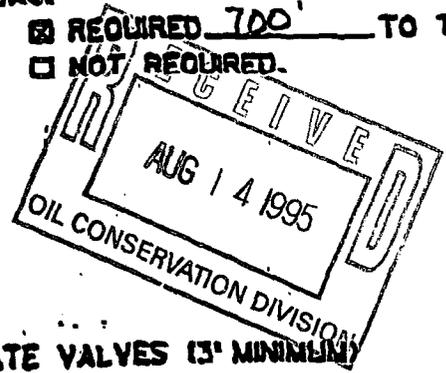
¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code U	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

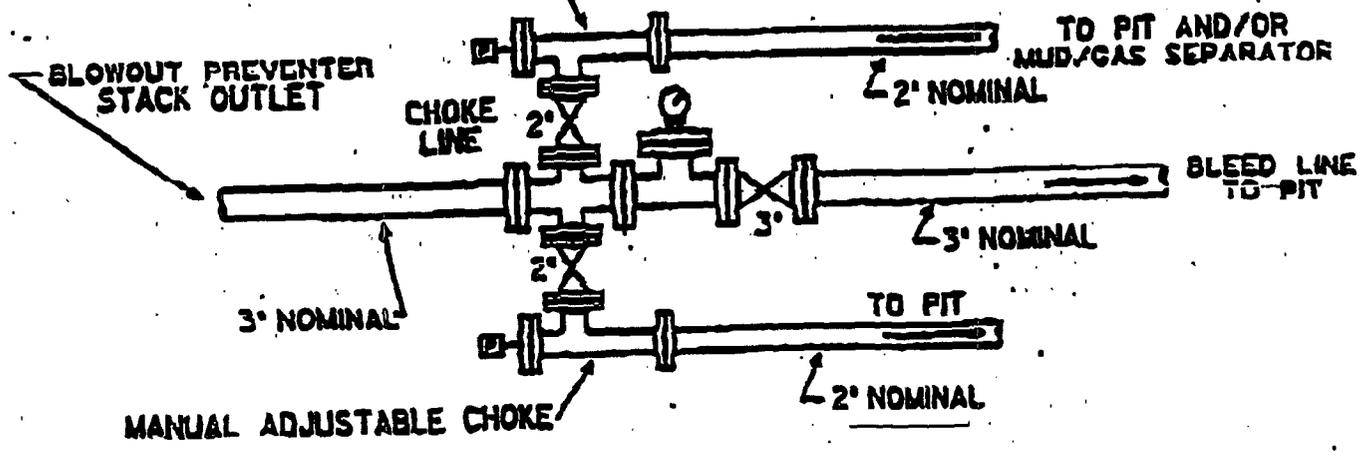
<p>¹⁶</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature _____</p> <p>Printed Name _____</p> <p>Title _____</p> <p>Date _____</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify 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>August 9, 1995</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor</p> <p><i>Larry A. Fisher</i> LARRY A. FISHER</p> <p>Certificate Number 11013</p>

ROTATING HEAD:
 REQUIRED _____ TO TD.
 NOT REQUIRED.

BAG:
 REQUIRED 700' TO TD.
 NOT REQUIRED.



MANUAL ADJUSTABLE CHOKE
OR
REMOTELY OPERATED CHOKE



(EAST HOBBS-SAN ANDRES (GAS-OIL RATIO) POOL - Cont'd.)

NOW, on this 20th day of April, 1984, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Martindale Petroleum Corporation, seeks the promulgation of special pool rules for the East Hobbs-San Andres Pool in Township 18 South, Range 39 East, NMPM, Lea County, New Mexico, including a gas-oil ratio (GOR) limitation of 5000 cubic feet of gas per barrel of oil.

(3) Applicant also seeks a retroactive effective date for such special pool rules to remedy current overproduction in this pool.

(4) That said East Hobbs-San Andres Pool is a solution gas drive pool discovered in 1951.

(5) That at this stage of pool development, wells in said pool may now be operated at a limiting gas-oil ratio of 5000 cubic feet per barrel without waste.

(6) That an effective date of May 1, 1983, for the change in gas-oil ratio will result in elimination of current casinghead gas overproduction.

(7) That no operator in said pool appeared and objected to the proposed change in GOR or the retroactivity thereof.

(8) That the application should be approved.

IT IS THEREFORE ORDERED:

(1) That effective May 1, 1983, the limiting gas-oil ratio for the East Hobbs-San Andres Pool is established at 5000 cubic feet of gas per barrel of oil.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

BRAVO DOME CARBON DIOXIDE GAS UNIT
Union, Harding, and Quay Counties, New Mexico

Order No. R-7556, Adopting Temporary Operating Rules for the Bravo Dome Carbon Dioxide Gas Unit Area, Union, Harding, and Quay Counties, New Mexico, July 1, 1984.

See separate Order No. R-7737, December 1, 1984, approving the West Bravo Dome Carbon Dioxide Gas Area and contracting certain lands from the Bravo Dome Carbon Dioxide Gas Unit.

Application of Amoco Production Company for Temporary Special Spacing Rules, Union, Harding, and Quay Counties, New Mexico.

CASE NO. 8190
Order No. R-7556

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9:00 a.m. on May 15, 1984, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 19th day of June, 1984, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Amoco Production Company, hereinafter referred to as "Amoco", as unit operator for the Bravo Dome Carbon Dioxide Gas Unit Area, hereinafter referred to as the "Unit", seeks the promulgation of temporary spacing rules for the Unit and for a distance of one mile outside the Unit, including a provision for 640-acre spacing and proration units and specified well locations.

(3) That the Unit, the outer boundaries of which encompass some one million acres, more or less, lies within all or portions of Township 16 North, Ranges 34 and 35 East, Townships 17 and 18 North, Ranges 30 through 37 East, Township 19 North, Ranges 29 through 36 East, Townships 20 and 21 North, Ranges 29 through 35 East, and Township 24 North, Ranges 31 through 34 East, NMPM, Union, Harding, and Quay Counties, New Mexico.

(4) That with the exception of certain areas in the Western and Southwestern portion of the Unit, a high percentage of the owners have ratified the Unit Agreement, and their lands are committed to the Unit.

(5) That in the Western and Southwestern portion of the unit, specifically in Townships 17 and 18 North, Ranges 30 and 31 East, Townships 19 and 20 North, Ranges 29, 30, and 31 East, and Township 21 North, Range 29 East, NMPM, Harding County, New Mexico, a large percentage of the owners have not ratified the Unit Agreement, and their lands are not committed to the Unit.

(6) That in support of its application for 640-acre spacing, Amoco offered certain geological, engineering, and economic data relating to quantity and quality of pay, long-term flow tests, and well economics.

(BRAVO DOME CARBON DIOXIDE GAS UNIT - Cont'd.)

(7) That a large portion of the data presented was developed from analysis of wells drilled in the Eastern part of the Unit, where the Bravo Dome carbon dioxide reservoir(s) are of superior quality to the carbon dioxide reservoir(s) in the Western and Southwestern portion of the Unit.

(8) That the owners of lands in the Western and Southwestern portion of the Unit appeared at the hearing and objected to the adoption of temporary 640-acre spacing and specified well locations.

(9) That some of said owners have drilled and produced carbon dioxide wells and have built and operated carbon dioxide processing plants in the area for many years, while others of said owners are currently engaged in drilling wells and designing plants for the purpose of carbon dioxide gas production and processing in the near future.

(10) That all of the aforesaid well drilling, plant construction, and plant design has been in good faith reliance upon the 160-acre spacing rules now in existence.

(11) That to change the spacing of wells in the Western and Southwestern portion of the Unit would impair the correlative rights of those owners who have invested in and planned for the development of their properties in reliance upon the existing 160-acre spacing rules, and would force the cancellation of certain plans for the drilling and development of carbon dioxide reserves and for plant construction, thereby causing waste and imposing an unjustified economic hardship upon said owners.

(12) That the evidence presented at the hearing establishes that the quantity and quality of the pay deteriorates from East to West.

(13) That the quantity and quality of the pay is considerably better in the area in which Amoco has drilled the vast majority of its wells, and in which the interference tests and long-term flow tests were conducted.

(14) That the quantity and quality of the pay is considerably poorer in the Western and Southwestern portion of the Unit where the protestant owners have drilled wells and have built and are planning to build carbon dioxide gas processing plants.

(15) That no evidence was presented at the hearing to support Amoco's contention that one well will efficiently and economically drain 640 acres in the Western and Southwestern portion of the Unit.

(16) That while the geological, engineering, and economic evidence presented by Amoco may justify the adoption of 640-acre spacing throughout certain portions of the Unit Area on a temporary basis, said evidence does not support - even on a temporary basis - any geological, engineering or economic, or other valid and compelling justification within the jurisdiction of the Commission, for such spacing in the Western and Southwestern portion of the Unit Area.

(17) That the application for 640-acre spacing in the Western and Southwestern portion of the Bravo Dome Carbon Dioxide Gas Unit Area should be denied, and such denial should be applicable to those lands lying in the area in which the reservoir characteristics are not conducive to good drainage.

(18) That such lands as described in Finding No. 17 above in which the application should be denied and which should continue to be spaced in accordance with Rule 104 of the Division Rules and Regulations are those lands within the Unit Area in Townships 17 and 18 North, Ranges 30 and 31 East, Townships 19 and 20 North, Ranges 29, 30, and 31 East, NMPM, Harding County, New Mexico, and as more specifically defined in Exhibit "A" attached hereto and made a part hereof, and said lands should be known as the "Bravo Dome 160-acre Area".

(19) That the geological and engineering evidence presented at the hearing justifies the approval of 640-acre spacing on a temporary basis for those remaining lands in the Unit Area, and outside the Unit Area but within one mile thereof, and defined in Exhibit "A" attached hereto, but not within the lands described in Finding No. (18) above.

(20) That approval of the application for said lands, will prevent waste, protect correlative rights, will permit the more rapid development and evaluation of said lands, expedite evaluation of said lands, and expedite the gathering of reservoir data in the area.

(21) That the area approved for temporary 640-acre spacing should be known as the "Bravo Dome 640-acre Area," and should comprise those lands defined in Exhibit "B" attached hereto and made a part hereof, as well as those lands outside the Unit Area but within one mile thereof but not within the 160-acre area (the lands defined in Exhibit "A" attached hereto).

(22) That Special Rules and Regulations for the Bravo Dome 640-acre Area should be promulgated, and said rules should provide for 640-acre spacing within the spacing and proration units to comprise a single governmental section; further that the rules should specify that wells be located no nearer than 1,650 feet to the outer boundary of the spacing and proration unit nor nearer than 330 feet to any governmental quarter-quarter section line.

(23) That the vertical limits of the Bravo Dome 640-acre Area should be the Tubb formation (from the base of the Cimarron Anhydrite to the top of the Granite).

(24) That the Special Rules and Regulations for the Bravo Dome 640-acre Area should remain in effect for a period of three years from date of entry of this Order.

(25) That Amoco Production Company should be required to submit a plan, which plan should include extensive shut-in periods for one or more Unit wells, to demonstrate the drainage efficiency of wells located on 640-acre spacing units.

(26) That this case should be reopened at a hearing in June, 1987, at which time Amoco and other interested parties should appear and show cause why the Bravo Dome 640-acre Area should not be developed on less than 640-acre spacing and proration units.

(BRAVO DOME CARBON DIOXIDE GAS UNIT - Cont'd.)

(27) That that portion of Order No. R-6645 relating to denial of 640-acre spacing should be superseded but that portion of said Order relating to administrative approval for the reinjection of carbon dioxide gas for the purpose of testing wells and production facilities should remain in effect.

IT IS THEREFORE ORDERED:

(1) That the application of Amoco Production Company for the promulgation of temporary special spacing rules for the Bravo Dome Carbon Dioxide Gas Unit Area to provide for 640-acre spacing and specified well locations within said Unit Area and outside the Unit Area but within one mile thereof is hereby denied.

(2) That the "Bravo Dome 160-acre Area" is hereby established comprising those lands defined in Exhibit "A" attached hereto and made a part hereof.

(3) That said Bravo Dome 160-acre Area shall be spaced, drilled, and operated in accordance with the Division Rules and Regulations, particularly with respect to those rules governing 160-acre gas well spacing.

(4) That the "Bravo Dome 640-acre Area" is hereby established comprising those lands defined in Exhibit "B" attached hereto and made a part hereof.

(5) That the vertical limits of the Bravo Dome 640-acre Area shall be the Tubb formation (from the base of the Cimarron Anhydrite to the top of the Granite).

(6) That 640-acre spacing and proration units and limited well locations, being no closer than 1,650 feet to the outer boundary of the unit and no closer than 330 feet to any governmental quarter-quarter section line, are hereby established for the Bravo Dome 640-acre Area for a period not to exceed three years from date of entry of this Order.

(7) That effective July 1, 1984, special rules and regulations for the Bravo Dome 640-acre Area in Union, Harding, and Quay Counties, New Mexico, as more fully described in Exhibit "B" attached to this Order and made a part hereof, are hereby promulgated as follows:

**SPECIAL RULES AND REGULATIONS
FOR THE
BRAVO DOME 640-ACRE AREA**

RULE 1. Each well completed or recompleted in the Bravo Dome 640-acre Area shall be spaced, drilled, and operated in accordance with the Special Rules and Regulations hereinafter set forth, that these rules shall be applicable to the Tubb formation outside the Bravo Dome 640-acre Area but not within the Bravo Dome 160-acre Area.

RULE 2. Each well shall be located on a standard unit containing 640 acres, more or less, consisting of a governmental section; provided, however, that nothing contained herein shall be construed as prohibiting the drilling of a well on each of the quarter sections in the unit.

RULE 3. The Director of the Oil Conservation Division may grant an exception to the requirements of Rule 2 without notice and hearing when an application has been filed for a non-standard unit and the unorthodox size or shape of the unit is necessitated by a variation in the legal subdivision of the United States Public Land Surveys, or the following facts exist and the following provisions are complied with:

(a) The non-standard unit consists of quarter-quarter section or lots that are contiguous by a common bordering side.

(b) The non-standard unit lies wholly within a governmental section and contains less acreage than a standard unit.

(c) The applicant presents written consent in the form of waivers from all offset operators and from all operators owning lands in the section in which the non-standard unit is situated which lands are not included in said non-standard unit.

(d) In lieu of Paragraph (c) of this rule, the applicant may furnish proof of the fact that all of the aforesaid operators were notified by registered or certified mail of his intent to form such non-standard unit. The Director may approve the application if no such operator has entered an objection to the formation of such non-standard unit within 30 days after the Director has received the applications.

RULE 4. Each well shall be located no nearer than 1,650 feet to the outer boundary of the section and no nearer than 330 feet to any governmental quarter-quarter section line; provided, however, that any subsequent wells drilled on a unit shall be located no nearer than 1,320 feet from any existing well drilling to or capable of producing from the Bravo Dome 640-acre Area, and provided, further, that in the case of a 640-acre unit offset by a spacing and proration unit of 160 acres or less in an area spaced on 160 acres which has thereon a well completed in and capable of producing from the equivalent vertical limits of the Bravo Dome 640-acre Area, the 640-acre unit well may be located equidistant from the common line between the units as the well on the lesser sized unit.

RULE 5. The Director may grant an exception to the requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions. All operators offsetting the spacing and proration unit shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Director may approve the application upon receipt of written waivers from all operators offsetting the spacing and proration unit or if no objection to the unorthodox location has been entered within 20 days after the Director has received the application.

IT IS FURTHER ORDERED:

(1) That within 60 days following entry of this Order, Amoco Production Company shall submit a plan, acceptable to the Director of the Oil Conservation Division, to demonstrate the drainage efficiency of wells located on 640-acre spacing units which plan should include extensive shut-in periods for one or more Unit wells.

(2) That this case shall be reopened in June, 1987, at which time the applicant herein or other interested parties may appear and show why the Bravo Dome 640-acre Area should not be developed on less than 640-acre spacing and proration units.

(3) That that portion of Order No. R-6645 relating to spacing is hereby superseded but that portion of said Order relating to the reinjection of gas for test purposes shall remain in full force and effect.

(4) That the locations of all wells presently drilling to or completed in the Bravo Dome 640-acre Area are hereby approved; that the operator of any well having an unorthodox location shall notify the Santa Fe District Office of the Division in writing of the name and location of the well on or before August 1, 1984.

(BRAVO DOME CARBON DIOXIDE GAS UNIT - Cont'd.)

(5) That, pursuant to Paragraph A. of Section 70-2-18, NMSA 1978, contained in Chapter 271, Laws of 1969, existing wells in the Bravo Dome 640-acre Area shall have dedicated thereto 640 acres in accordance with the foregoing pool rules, or, pursuant to Paragraph C. of said Section 70-2-18, existing wells may have non-standard spacing or proration units established by the Division and dedicated thereto.

(6) That failure to file new Forms C-102 with the Division dedicating 640 acres to a well or to obtain a non-standard unit approved by the Division within 60 days from the date of this Order shall subject the well to being shut-in. Until said Form C-102 has been filed or until a non-standard unit has been approved, and subject to the 60-day limitation, each well presently drilling to or completed in the Bravo Dome 640-acre Area shall receive no approved Form C-104, provided, however, that no further approval shall be required for any non-standard spacing and proration unit comprising less than 160 acres or for any 160-acre unit consisting of other than a single governmental quarter section, provided such unit has previously been approved by order of the Division.

(7) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

EXHIBIT "A"

(As Amended by Order No. R-7737, December 1, 1984)

HARDING COUNTY

TOWNSHIP 17 NORTH, RANGE 30 EAST, NMPM

Section 1: N/2, SE/4 and E/2 SW/4
 Section 11: SE/4 and E/2 SW/4
 Section 12: E/2, SW/4 and E/2 NW/4
 Section 12: All
 Section 14: E/2, E/2 W/2 and SW/4 NW/4
 Section 15: SE/4 NE/4
 Section 22: SE/4 SE/4
 Sections 23 through 25: All
 Section 26: NE/4 and E/2 NW/4
 Section 27: NE/4 NE/4
 Section 35: SE/4
 Section 36: All

TOWNSHIP 17 NORTH, RANGE 31 EAST, NMPM
 Sections 1 through 36: All

TOWNSHIP 19 NORTH, RANGE 30 EAST, NMPM
 Sections 1 through 4: All

Section 5: E/2
 Section 6: E/2 SE/4, NW/4 SE/4 and NE/4 SW/4
 Section 7: NE/4 NE/4, E/2 SE/4, SW/4 SE/4 and SE/4 SW/4
 Sections 8 through 16: All
 Section 17: N/2 and SE/4
 Section 18: NE/4 NE/4

TOWNSHIP 19 NORTH, RANGE 31 EAST, NMPM
 Secs. 1 through 18: All

TOWNSHIP 20 NORTH, RANGE 29 EAST, NMPM
 Sections 1 and 2: All

Section 3: E/2, SW/4, S/2 NW/4 and Lot 3
 Section 4: Lot 4, SE/4 NE/4 and E/2 SE/4
 Section 5: SW/4 and SW/4 SE/4
 Section 6: Lots 1, 2, and 3, SE/4 NW/4, S/2 NE/4, SE/4 and NE/4 SW/4
 Section 7: Lots 2 and 3, NE/4 SW/4 and N/2 SE/4
 Section 8: NW/4 NW/4 and W/2 SW/4
 Section 9: NE/4 NW/4, NE/4 and E/2 E/2
 Sections 10 through 15: All
 Section 16: E/2, NE/4 NW/4, S/2 SW/4 and NW/4 SW/4
 Section 17: S/2, SW/4 NE/4, S/2 NW/4 and NW/4 NW/4
 Section 18: Lots 1 through 4, SE/4 NW/4, E/2 SW/4 and E/2
 Section 19: Lots 1 and 2, E/2 W/2 and E/2
 Section 20: All
 Section 21: W/2 NW/4, NW/4 SW/4, NE/4 and NE/4 SE/4
 Sections 22 through 26: All
 Section 27: N/2, SE/4, and NE/4 SW/4
 Section 28: NE/4 NE/4
 Section 29: N/2
 Section 30: N/2 NE/4 and SE/4 NE/4
 Section 34: NE/4 NE/4
 Section 35: N/2 and SE/4
 Section 36: All

TOWNSHIP 20 NORTH, RANGE 30 EAST, NMPM
 Sections 1 through 36: All

TOWNSHIP 20 NORTH, RANGE 31 EAST, NMPM
 Sections 1 through 36: All

ORDER NO. R-7556
 EXHIBIT "A"

(BRAVO DOME CARBON DIOXIDE GAS UNIT - Cont'd.)

BRAVO DOME 640-ACRE AREA
Order No. R-7556

EXHIBIT "B"

UNION COUNTY, NEW MEXICO

TOWNSHIP 18 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 18 NORTH, RANGE 35 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 18 NORTH, RANGE 36 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 18 NORTH, RANGE 37 EAST, NMPM
Sections 6 and 7: All
Sections 18 and 19: All
Sections 30 and 31: AllTOWNSHIP 19 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 19 NORTH, RANGE 35 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 19 NORTH, RANGE 36 EAST, NMPM
Section 16: All
Section 18: S/2
Sections 19 and 20: All
Section 21: W/2, W/2 NE/4 and SE/4 NE/4
Section 26: S/2 S/2
Section 28: W/2
Sections 29 through 36: AllTOWNSHIP 20 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 20 NORTH, RANGE 35 EAST, NMPM
Section 3: W/2
Sections 4 through 10: All
Section 11: SW/4
Section 14: NW/4
Sections 15 through 22: All
Section 23: NW/4
Sections 27 through 34: AllTOWNSHIP 21 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 21 NORTH, RANGE 35 EAST, NMPM
Sections 1 through 24: All
Section 25: N/2 and SW/4
Section 26: All
Section 27: NE/4 and N/2 NW/4
Sections 28 through 33: AllTOWNSHIP 22 NORTH, RANGE 30 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 22 NORTH, RANGE 31 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 22 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 22 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 22 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 22 NORTH, RANGE 35 EAST, NMPM
Section 5: S/2
Sections 6 through 8: All
Section 9: W/2 and SE/4
Section 10: S/2 S/2
Sections 15 through 21: All
Section 22: N/2
Section 27: SW/4
Sections 28 through 33: All
Section 34: NW/4 and N/2 SW/4
Section 36: AllTOWNSHIP 23 NORTH, RANGE 30 EAST, NMPM
Section 36: AllTOWNSHIP 23 NORTH, RANGE 31 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 23 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 23 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 23 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 23 NORTH, RANGE 35 EAST, NMPM
Section 31: AllTOWNSHIP 24 NORTH, RANGE 31 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 24 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 24 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 24 NORTH, RANGE 34 EAST, NMPM
Sections 1 through 36: All

HARDING COUNTY, NEW MEXICO

TOWNSHIP 17 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 17 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 18 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: AllTOWNSHIP 18 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: All

(BRAVO DOME CARBON DIOXIDE GAS UNIT - Cont'd.)

TOWNSHIP 19 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 19 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 20 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 20 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 21 NORTH, RANGE 29 EAST, NMPM
Sections 1 through 27: All

Section 28: N/2, SE/4 and E/2 SW/4

Section 29: All

Section 30: Lots 1, 2 and 4, E/2 NW/4, NE/4,
N/2 SE/4 and SE/4 SE/4

Section 31: All

Section 32: W/2, SE/4, W/2 NE/4 and SE/4 NE/4

Section 33: W/2 SW/4, NE/4 SW/4, NE/4 NW/4
and N/2 NE/4

Sections 34 through 36: All

TOWNSHIP 21 NORTH, RANGE 30 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 21 NORTH, RANGE 31 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 21 NORTH, RANGE 32 EAST, NMPM
Sections 1 through 36: All

TOWNSHIP 21 NORTH, RANGE 33 EAST, NMPM
Sections 1 through 36: All

QUAY COUNTY, NEW MEXICO

TOWNSHIP 16 NORTH, RANGE 34 EAST, NMPM

Section 3: Lots 3 through 6, 11 and 12

Section 4: Lots 1, 2, 5 through 12, N/2 SE/4 and SW/4

TOWNSHIP 16 NORTH, RANGE 35 EAST, NMPM

Section 1: Lots 1 through 8, NW/4 SW/4 and S/2 SW/4

Sections 2 through 6: All

Section 7: Lots 1, 2, E/2 NW/4 and E/2

Sections 8 through 10: All

Section 11: NW/4, N/2 SW/4, N/2 S/2 SW/4, and
N/2 S/2 S/2 SW/4

TOWNSHIP 16 NORTH, RANGE 36 EAST, NMPM

Section 5: Lots 4 and 5

Section 6: Lots 1 through 8 and 10

TOWNSHIP 17 NORTH, RANGE 34 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 17 NORTH, RANGE 35 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 17 NORTH, RANGE 36 EAST, NMPM

Sections 1 through 36: All

TOWNSHIP 17 NORTH, RANGE 37 EAST, NMPM

Sections 6 and 7: All

Sections 18 and 19: All

Sections 30 and 31: All

ORDER NO. R-7556
EXHIBIT "B"

EAST BISHOP CANYON-SAN ANDRES POOL
(Gas-Oil Ratio)
Lea County, New Mexico

Order No. R-7564, Adopting a Net Gas-Oil Ratio Rule for the
East Bishop Canyon-San Andres Pool, Lea County, New Mexico,
July 1, 1984.

Application of Marline Petroleum
Corporation for Special Pool Rules, Lea
County, New Mexico.

CASE NO. 8143
Order No. R-7564

ORDER OF THE DIVISION

BY THE DIVISION: This cause came on for hearing at 8 a.m.
on May 9, 1984, at Santa Fe, New Mexico, before Examiner
Richard L. Stamets.

NOW, on this 15th day of June, 1984, the Division Director,
having considered the testimony, the record, and the
recommendations of the Examiner, and being fully advised in
the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Division has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Marline Petroleum Corporation, seeks
the promulgation of special pool rules for the Bishop Canyon-
San Andres Pool in Township 18 South, Range 38 East, NMPM,
Lea County, New Mexico, including a gas-oil ratio (GOR)
limitation of 7000 cubic feet of gas per barrel of oil.

(3) That the applicant also seeks cancellation of casinghead
gas overproduction accumulated by wells in said pool.

(4) That the evidence presented in this case demonstrated
that the Bishop Canyon-San Andres Pool was in fact two
separate pools.

(5) That subsequent to the hearing, the Division, on its own
motion, separated said pool into two pools being the East Bishop
Canyon-San Andres Pool and the West Bishop Canyon-San
Andres Pool.

(6) That the East Bishop Canyon-San Andres Pool contains
all wells owned by the applicant.

(7) That said pool contains only two wells both of which
produce gas at a rate in excess of that permitted by the pool
rules.

(8) That adoption of a limiting gas-oil ratio of 7000 cubic feet
of gas per barrel of oil for said pool will permit the wells therein
to be more efficiently produced.

(9) That as there are no other operators in said pool,
cancellation of cumulative casinghead gas production for wells
therein will not violate correlative rights.

(10) That the application should be approved.

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

08/14/95 14:06:15
OGOMES -EMEI
PAGE NO: 1

Sec : 16 Twp : 19N Rng : 34E Section Type : NORMAL

D 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	C 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	B 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	A 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U
E 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	F 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	G 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	H 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

Sec : 16 Twp : 19N Rng : 34E Section Type : NORMAL

L 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U A	K 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	J 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	I 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U
M 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	N 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	O 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U	P 40.00 CS L06263 2 05/81 AMOCO PRODUCTION U

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

08/14/95 14:07:54
OGOMES -EMEI

API Well No : 30 59 20009 Eff Date : 04-05-1994 WC Status : A
Pool Idn : 96010 BRAVO DOME CARBON DIOXIDE GAS 640
OGRID Idn : 778 AMOCO PRODUCTION CO
Prop Idn : 335 BRAVO DOME CARBON DIOXIDE GAS UNIT

Well No : 161
GL Elevation: 4872

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : L	16	19N	34E	FTG 1650	F S FTG 450	F W	A

Lot Identifier:

Dedicated Acre: 640.00

Lease Type : S

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : U

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OG6CLOG

ONGARD
C105-WELL COMPLETION OR RECOMP CASING LOG

08/14/95 14:06:53
OGOMES -EMEI

OGRID Identifier : 778 AMOCO PRODUCTION CO
Prop Identifier : 335 BRAVO DOME CARBON DIOXIDE GAS UNIT
API Well Identifier : 30 59 20009 Well No : 161
Surface Locn - UL : L Sec : 16 Twp : 19N Range : 34E Lot Idn :
Multiple comp (S/M/C) : S TVD Depth (Feet) : 2528 MVD Depth (Feet) : 2528
Spud Date : 10-17-1971 P/A Date :
Casing/Linear Record:

```
-----  
S Size      Grade Weight  Depth(ft)  Depth(ft)  Hole Size  Cement  ----  TOC  ----  
(inches)    (lb/ft)  Top-Liner  Bot-Liner  (inches)  (Sacks) (feet) Code  
-----  
          7.625      26.4        1.0        306.0      9.875     100         C  
          4.500       9.5        307.0     2524.0      6.250     600         C  
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E0009: Enter data to modify record

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12