

**UNITED STATES
DEPARTMENT OF THE INTERIOR**

Form approved.
Budget Bureau No.1004-0136
Expires: December 31, 1991

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-079756-A	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201		8. FARM OR LEASE NAME, WELL NO. Carson Federal /H/ 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1900 FNL 790 FEL		9. API WELL NO. 30-039-25330	
At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT Basin Dakota/East Blanco PC Ext.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 68.37 miles from Aztec, NM		11. SEC., T., R., M., OR BLY. AND SURVEY OR AREA Section 4 Township 29N Range 4W	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		12. COUNTY OR PARISH Rio Arriba	
16. NO. OF ACRES IN LEASE 2235.89		13. STATE New Mexico	
17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		17. NO. OF ACRES ASSIGNED TO THIS WELL 318.85 159.35 320 E/2 & 160 NE/4	
18. ELEVATIONS (Show whether DF, RT, GR., etc.) 7585' GR		20. ROTARY OR CABLE TOOLS Rotary	
21. APPROX. DATE WORK WILL START* 09-01-93		22. APPROX. DATE WORK WILL START* 09-01-93	

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23. PROPOSED CASING AND CEMENTING PROGRAM				DRILLING OPERATIONS AUTHORIZED BY ALL	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SUBJECT TO QUANTITY OF CEMENT ATTACHED	
17 1/2"	13 3/8" J-55	68#	400'	625 cf Cl B W/2% Cement (Cement to surface)	
12 1/4"	9 5/8" J-55	36#	4932'	3399 cf Cl B (Cement to surface)	
8 3/4"	7" J-55	23#	8601'	932 cf Cl B	
6 1/4"	4 1/2" N-80	11.6#	8501'-9197'	143 cf Cl G	

Notice of Staking was submitted on 6/29/93 under the name of Reference #12.

Lease Description: T 29N-R 4W
Sec. 3: All
Sec. 4: All
Sec. 5: All
Sec. 6: W/2

RECEIVED
SEP 27 1993
OIL CON. DIV

RECEIVED
BLM
070 BLM ADMINISTRATION, NM
09 AUG -9 PM 12:51

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations as measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Joni Arnold TITLE Business Analyst DATE 08-06-1993

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval 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.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY 1694-3312 TITLE BLM DATE SEP 17 1993

APPROVED AS AMENDED
DISTRICT MANAGER

*See Instructions On Reverse Side
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

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

RECEIVED
BLM

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

SEP 9 - 9 PM 12:51

070 FARMINGTON, NM

Operator AMOCO PRODUCTION COMPANY		Lease Reference CARSON FED#		Well No. 72-1
Unit Letter H	Section 4	Township 29 NORTH	Range 4 WEST	County NMPM RIO ARRIBA

Actual Footage Location of Well:
1900 feet from the **NORTH** line and **790** feet from the **EAST** line

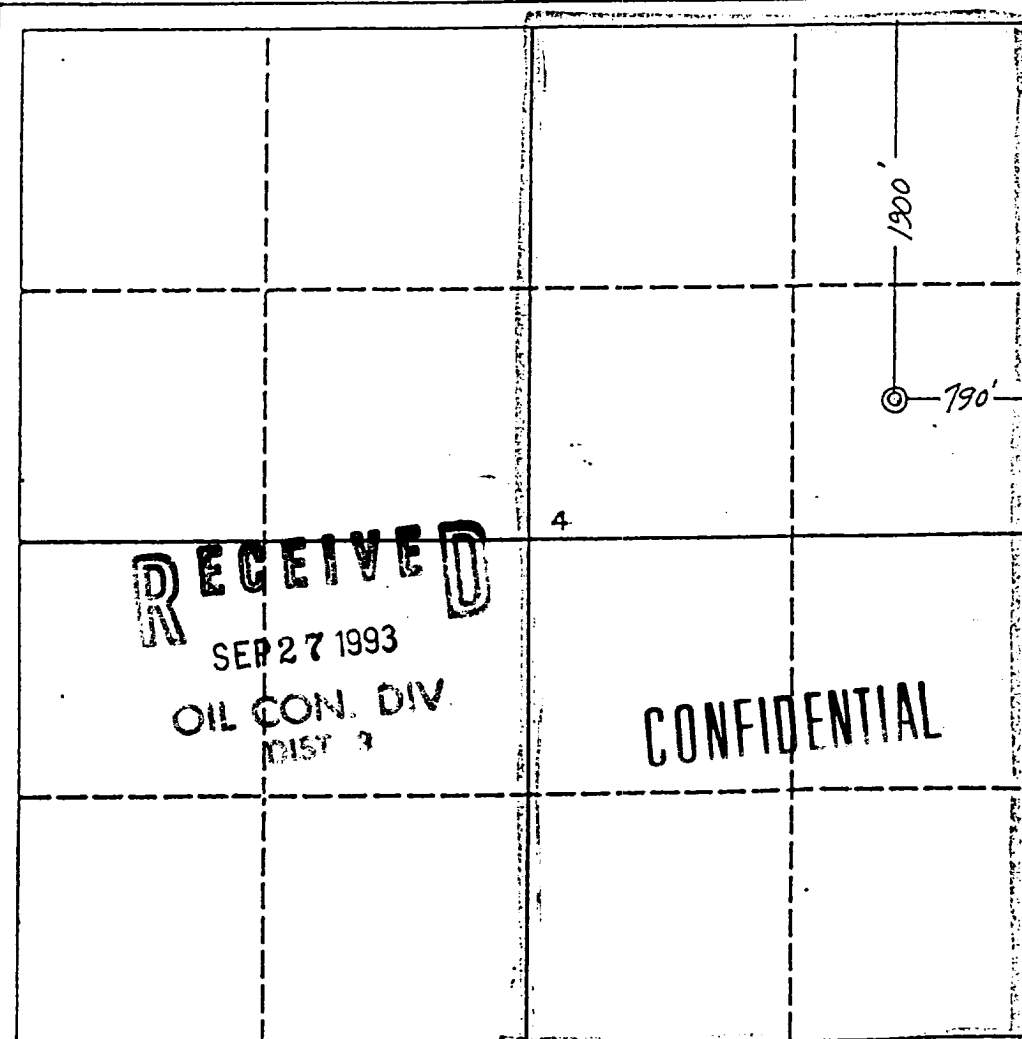
Ground level Elev. 7585	Producing Formation Basin Dakota	Pool Basin Dakota	Dedicated Acreage: 1/2 315.85 Acres
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- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

Yes No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a 100-standard unit, eliminating such interest, has been approved by the Division.



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

Lori Arnold
Signature

LORI ARNOLD
Printed Name

BUSINESS ANALYST
Position

AMOCO PRODUCTION
Company

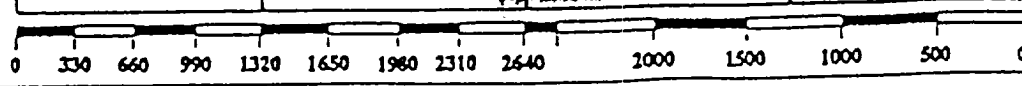
4/26/93
Date

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 knowledge and belief.

Date Surveyed
April 12, 1993

Signature & Seal of Professional Surveyor

Gary D. Vann
 Registered Professional Land Surveyor
 7016



Submit to Appropriate District Office
 State Lease - 4 copies
 Fee Lease - 3 copies

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised 1-1-89

OIL CONSERVATION DIVISION

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

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 P.O. Box 1980, Hobbs, NM 88240

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
 All Distances must be from the outer boundaries of the section

RECEIVED
 81 MAIL ROOM
 20 AUG -9 PM 3:17
 070 FARMINGTON, NM

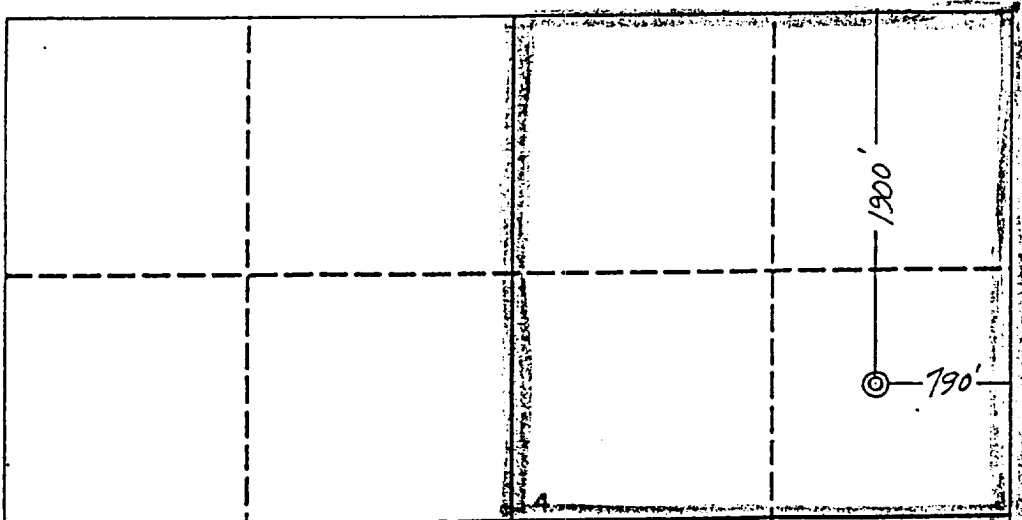
Operator AMOCO PRODUCTION COMPANY			Lease Reference <i>Carson Field H</i>		Well No. 121
Unit Letter H	Section 4	Township 29 NORTH	Range 4 WEST	County NMPM RIO ARRIBA	
Actual Footage Location of Well: 1900 feet from the NORTH line and 790 feet from the EAST line					
Ground level Elev. 7585	Producing Formation East Blanco PC Ext.		Pool East Blanco PC Ext.		Dedicated Acreage: <i>159.85</i> Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

Yes No If answer is "yes" type of consolidation _____

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

Lori Arnold
 Signature

LORI ARNOLD
 Printed Name

Business Analyst
 Position

Amoco Production
 Company

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 knowledge and belief.

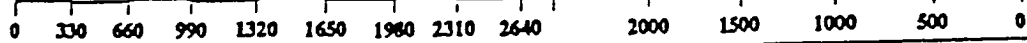
Date Surveyed
April 12, 1993

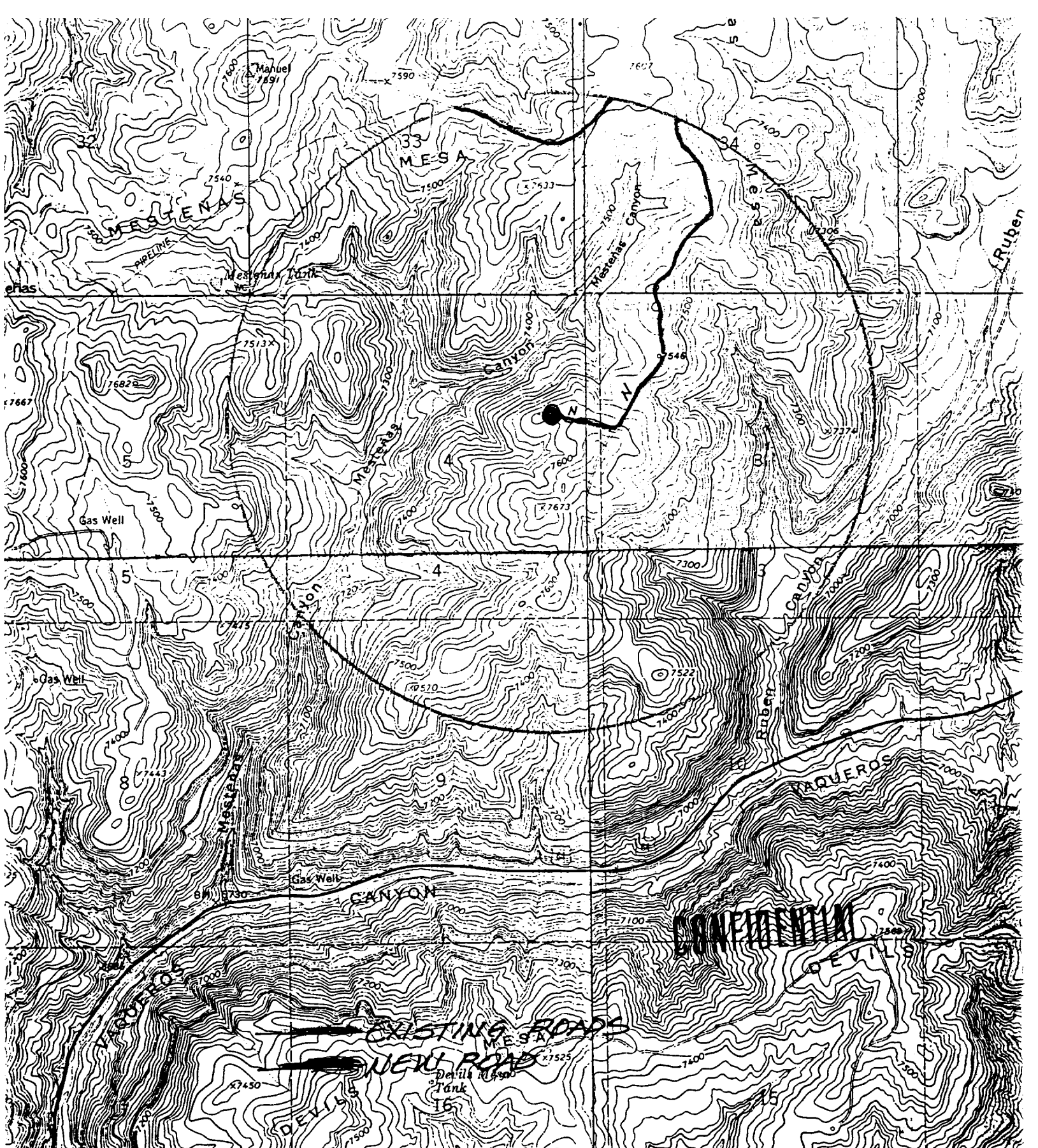
Signature & Seal of Professional Surveyor
Gary D. Vann

GARY D. VANN
 Registered Professional Land Surveyor
 New Mexico
 7016

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 SEP 27 1993
 OIL CON. DIV.
 DIST. 3

CONFIDENTIAL





AMOCO PRODUCTION COMPANY
 1900' F/NL 790' F/EL
 SEC. 4, T29N, R4W, NMPM
 RIO ARRIBA COUNTY, NM