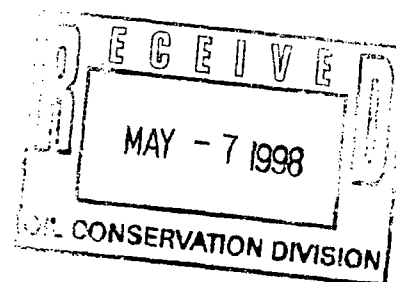




Amoco E & P Sector
P. O. Box 303
Amistad, NM 88410

May 5, 1998

Roy Johnson, District Supervisor
C/O New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505



Re: Bravo Dome Carbon Dioxide Gas Unit
Well No. 1935-272E
Union County, New Mexico

Roy,

Per our telephone conversation on Saturday, May 2, our drilling contractor mistakenly drilled the above referenced well 15 feet north and 1 foot east of the staked and permitted location. This well was staked and permitted at Unit Letter E, Section 27, T19N, R35E, 1679' from the north line and 957' from the west line, Union County, New Mexico. It was actually drilled at Unit Letter E, Section 27, T19N, R35E, 1664' from the north line and 958' from the west line, Union County, New Mexico. Per our telephone conversation, verbal approval was received for continuation of drilling this well in the revised location. Attached is the requested C-103 seeking formal approval to move this location.

We have reviewed this matter with our drilling contractor and the remaining 12 wells in this drilling package will be drilled as staked. If you need additional information or have any questions, please contact me at (505) 374-3010.

Sincerely,

Danny J. Holcomb
Field Team Leader
Bravo Dome Operations Center

Attachment

cc: Sam Culpepper - Houston
Mike Preston - Houston
Well File

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30 059 20375

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

BRAVO DOME CO2 GAS UNIT 1935

8. Well No.

272E

9. Pool name or Wildcat

BRAVO DOME CO2 GAS UNIT

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well

OIL ☐

GAS ☐

OTHER CO2

2. Name of Operator

AMOCO PRODUCTION COMPANY

3. Address of Operator

P.O. Box 303, AMISTAD, NEW MEXICO 88410

4. Well Location

Unit Letter E : 1664 Feet From The North Line and 958 Feet From The West Line
Section 27 Township 19N Range 35E NMPM Union County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
4568'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☒

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations

SEE RULE 1103.

(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)

Revised Well Location

Well was staked and permitted at Unit Letter E, Section 27, T19N, R35E, 1679' FNL X 957' FWL, Union County, New Mexico.

Well was drilled at Unit Letter E, Section 27, T19N, R35E, 1664' FNL X 958' FWL, Union County, New Mexico.

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

SIGNATURE D. J. Holcomb TITLE Field Team Leader DATE 5/5/98

TYPE OR PRINT NAME D. J. Holcomb TELEPHONE NO. (505) 374-3010

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-103
Revised 1-1-89

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30 059 20375

5. Indicate Type of Lease

STATE ☐

FEE ☐

☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well

OIL
WELL ☐

GAS
WELL ☐

OTHER

CO2

2. Name of Operator

AMOCO PRODUCTION COMPANY

3. Address of Operator

P.O. Box 303, AMISTAD, NEW MEXICO 88410

7. Lease Name or Unit Agreement Name

BRAVO DOME CO2 GAS UNIT 1935

8. Well No.

272E

9. Pool name or Wildcat

BRAVO DOME CO2 GAS UNIT

4. Well Location

Unit Letter E : 1664 Feet From The North Line and 958 Feet From The West Line
Section 27 Township 19N Range 35E NMPM Union County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

4568'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☒

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations

(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)

SEE RULE 1103.

05/01/98 MIRT spud surface at 16:15, drill 12 1/4" hole to 729', run 17 jts 24# J-55 8 5/8" casing. Cement with 400 sks Premium + class C cement and circulate 175 sks to pit. WOC 8 hrs, drill 7 7/8" hole 759' - 2253'. Run 6 jts 5 1/2" 15.5# J-55 LT&C, 68 jts 5 1/2" 5.6# Star Fiberglass casing. Fiberglass casing landed at 2031'. Top of Cimarron @ 2020', Top of Tubb @ 2043'. Cement with 400 sks Midcon Premium+ Class C, circulate 150 sks to pit. MORT, wait on completion unit.

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

SIGNATURE

D. J. Holcomb

TITLE

Field Team Leader

DATE

5/5/98

TYPE OR PRINT NAME

D. J. Holcomb

TELEPHONE NO.

(505) 374-3010

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:**

**CASE NO. 11497
Order No. R-10576**

**APPLICATION OF AMOCO PRODUCTION
COMPANY FOR FOURTEEN UNORTHODOX
INFILL CARBON DIOXIDE GAS WELL
LOCATIONS, UNION COUNTY, NEW
MEXICO.**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on March 21, 1996, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 1st day of April, 1996, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

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

(2) The applicant, Amoco Production Company, seeks an exception to Rule No. (4) of the Special Rules and Regulations for the Bravo Dome 640-Acre Area as promulgated by Division Order No. R-7556, to allow the drilling of the following described fourteen carbon dioxide infill gas wells at unorthodox gas well locations, all located in Union County, New Mexico:

WELL NAME & NUMBER

WELL LOCATION

BDCDGU 2135 Well No. 182
BDCDGU 2234 Well No. 232
BDCDGU 1835 Well No. 082
BDCDGU 2234 Well No. 262
BDCDGU 2134 Well No. 243
BDCDGU 2234 Well No. 223

660' FNL & 660'FWL (D)-18-21N-35E
660' FSL & 660'FWL (M)-23-22N-34E
660' FSL & 1980'FWL (N)- 8-18N-35E
660' FSL & 560'FWL (M)-26-22N-34E
660' FSL & 660'FEL (P)-24-21N-34E
660' FNL & 385'FWL (D)-22-22N-34E

BDCDGU 2234 Well No. 212	660' FSL & 660' FWL (M)-21-22N-34E
BDCDGU 2134 Well No. 132	450' FSL & 450' FEL (P)-13-21N-34E
BDCDGU 1835 Well No. 072	1980' FSL & 1980' FWL (K)- 7-18N-35E
BDCDGU 2135 Well No. 183	660' FSL & 660' FEL (P)-18-21N-35E
BDCDGU 1835 Well No. 162	660' FSL & 660' FEL (P)-16-18N-35E
BDCDGU 1835 Well No. 163	660' FNL & 1980' FWL (C)-16-18N-35E
BDCDGU 2234 Well No. 213	560' FNL & 660' FWL (D)-21-22N-34E
BDCDGU 2234 Well No. 172	660' FNL & 660' FEL (A)-17-22N-34E

(3) The applicant further requests the establishment of an administrative procedure whereby additional infill wells proposed to be drilled at unorthodox locations based upon geologic and engineering considerations may be approved administratively by the Division.

(4) At the time of the hearing, it was determined that the BDCDGU 1835 Well No. 072 is located at a standard gas well location, and therefore, the unorthodox location request for this well should be dismissed.

(5) The subject wells are all located within the Amoco Production Company Bravo Dome Carbon Dioxide Gas Unit. In addition, the wells are located within the Bravo Dome 640-Acre Area as defined within Division Order No. R-7556, entered in Case No. 8190 on June 19, 1984.

(6) The Bravo Dome 640-Acre Area is currently governed by Special Rules and Regulations as contained within said Order No. R-7556 which require, in part, 640-acre standard gas spacing and proration units with wells to be located no closer than 1,650 feet from the outer boundary of the section nor closer than 330 feet from any quarter-quarter section line or subdivision inner boundary. The rules further allow the drilling of infill gas wells within a standard spacing unit (Rule No. (2)) provided that such wells are located no closer than 1,320 feet from any other well drilling to or capable of producing from the Bravo Dome 640-Acre Area.

(7) According to applicant's evidence and testimony, it has recently undertaken a study to determine the feasibility of infill drilling within the Bravo Dome 640-Acre Area. Initially, the applicant identified approximately 450 well locations which may be candidates for infill drilling. Utilizing the following described criteria, the applicant has identified the fourteen wells described in Finding No. (2) above as being the top candidates for infill drilling at this time:

- a) areas where infill drilling can maximize ultimate recovery;
- b) areas where infill drilling will result in wells with relatively high deliverabilities (2.5 + MMCFGD); and,
- c) minimize costs by locating wells near existing surface facilities.

(8) According to applicant's testimony, the proposed unorthodox locations for those wells located on its Leg 9 Gathering System, being the BDCDGU Well Nos. 2135-182, 2234-232, 2234-262, 2134-243, 2234-223, 2234-212, 2134-132, 2135-183, 2234-213, and 2234-172, are necessary due to engineering considerations (i.e. reservoir pressure, drainage, ultimate gas recovery, etc.).

(9) Applicant's evidence further indicates that the proposed unorthodox locations for those wells located on its Leg 6 and 7 Gathering System, being the BDCDGU Well Nos. 1835-082, 1835-072, 1835-162, and 1835-163, are based upon geologic as well as engineering considerations, namely the presence of a northwest to southeast trending fault which traverses each of the well's proration units.

(10) To aid in its determination of those areas within the Bravo Dome 640-Acre Area where infill drilling can maximize recovery, the applicant has built a field-wide computer simulation model which is composed of a reservoir model component and a surface facility model component.

(11) The evidence presented indicates that the applicant has obtained a good history match between the computer simulation and past production within the model area. This indicates that applicant's computer simulation should be capable of accurately predicting future field performance.

(12) The computer simulation was utilized by the applicant to select those infill well locations where incremental gas recovery would be maximized.

(13) The results of the reservoir simulation indicate that drilling the infill wells at the proposed unorthodox locations instead of standard well locations within the subject proration units should result in the recovery of an additional 13 BCF of carbon dioxide gas which would otherwise not be recovered, thereby preventing waste.

(14) All of the affected offset acreage is located within the Amoco Production Company Bravo Dome Carbon Dioxide Gas Unit.

(15) The applicant testified that it has examined the affected offset acreage to determine whether or not there are royalty interest owners who have not ratified the Unit Agreement, and therefore may be affected by the proposed unorthodox locations. Applicant determined that there are such interest owners, however, applicant testified that it has historically been unsuccessful in locating these interest owners.

(16) No other offset operator and/or interest owner appeared at the hearing in opposition to the application.

(17) Approval of the subject application will afford the applicant the opportunity to recover additional gas reserves from each of the subject proration units which may otherwise not be recovered, thereby preventing waste, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells and will not violate correlative rights.

(18) Pursuant to Division Rule No. 104.F., which was recently amended by Division Order No. R-10533, future unorthodox gas well locations within the Bravo Dome 640-Acre Area based upon geologic or engineering considerations should qualify for administrative approval, provided however, that the supervisor of the Division's Santa Fe District Office should have the authority to require additional notice by the applicant to those offset interest owners deemed to be affected by any proposed unorthodox location.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Amoco Production Company, is hereby authorized to drill the following described thirteen infill carbon dioxide gas wells within the Bravo Dome 640-Acre Area at unorthodox gas well locations, all located in Union County, New Mexico:

WELL NAME & NUMBER

WELL LOCATION

BDCDGU 2135 Well No. 182
BDCDGU 2234 Well No. 232
BDCDGU 1835 Well No. 082
BDCDGU 2234 Well No. 262
BDCDGU 2134 Well No. 243
BDCDGU 2234 Well No. 223
BDCDGU 2234 Well No. 212
BDCDGU 2134 Well No. 132
BDCDGU 2135 Well No. 183
BDCDGU 1835 Well No. 162
BDCDGU 1835 Well No. 163

660' FNL & 660'FWL (D)-18-21N-35E
660' FSL & 660'FWL (M)-23-22N-34E
660' FSL & 1980'FWL (N)- 8-18N-35E
660' FSL & 560'FWL (M)-26-22N-34E
660' FSL & 660'FEL (P)-24-21N-34E
660' FNL & 385'FWL (D)-22-22N-34E
660' FSL & 660'FWL (M)-21-22N-34E
450' FSL & 450'FEL (P)-13-21N-34E
660' FSL & 660'FEL (P)-18-21N-35E
660' FSL & 660'FEL (P)-16-18N-35E
660' FNL & 1980'FWL (C)-16-18N-35E

BDCDGU 2234 Well No. 213
BDCDGU 2234 Well No. 172

560' FNL & 660' FWL (D)-21-22N-34E
660' FNL & 660' FEL (A)-17-22N-34E

(2) Each of the subject wells shall be dedicated to the existing 640-acre standard gas spacing and proration unit on which it is located.

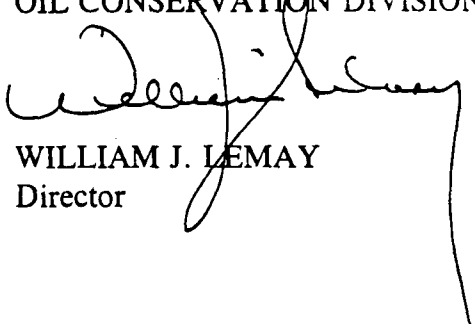
(3) Applicant's request for an unorthodox location approval for its BDCDGU 1835 Well No. 072 is hereby dismissed.

(4) Pursuant to Division Rule No. 104.F., future unorthodox gas well locations within the Bravo Dome 640-Acre Area based upon geologic or engineering considerations shall qualify for administrative approval, provided however, that the supervisor of the Division's Santa Fe District Office shall have the authority to require additional notice by the applicant to those offset interest owners deemed to be affected by any proposed unorthodox location.

(5) Jurisdiction is hereby 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.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

S E A L

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-057-20367
⁴ Property Code 000335	⁵ Property Name BDCDGU 1934	⁶ Well No. 263

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 Union
L	26	19N	34E		2441	South	990	West	Union

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
		P							
⁹ Proposed Pool 1 Bravo Dome Carbon Dioxide Gas 96010					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4736
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	14# STEELG	2450	270	SURFACE

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>D. Holcomb</i>		OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i>	
Printed name: Danny J Holcomb		Title:	
Title: Field Team Leader		Approval Date: 3/2/98	Expiration Date: 3/2/99
Date: 2-11-98	Phone: (505) 374-3010	Conditions of Approval: Attached ☐	



**Amoco Exploration and Production
Amoco Energy Group, North America**

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

Yours truly,

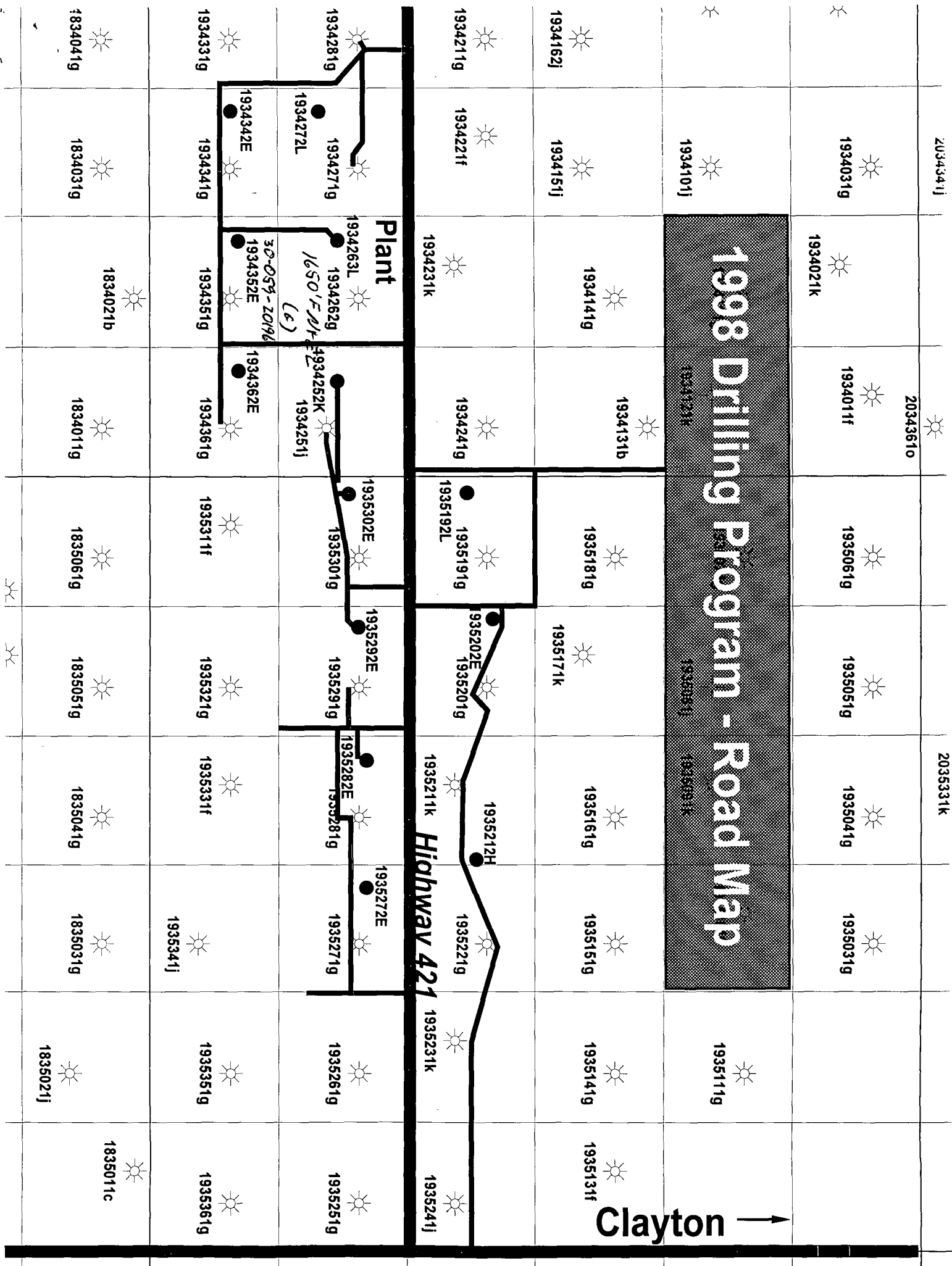
1998 Drilling Program - Road Map

Clayton →

Highway 421

Plant

30-054-20196
1650' NW
(6)



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All

(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2

(APC 1.0)

Tr 00947 /02615 - S/2N/2

(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2

(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2

(APC 1.0)

Tr 00172H /01687 - S/2

(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4

(APC 1.0)

Tr 00864B /02522 - E/2NW/4

(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4

(APC 1.0)

Tr 00021 /01210 - NE/4

(APC 1.0)

Tr 00948 /02616 - SW/4

(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4

(Amerada 1.0)

Tr F0013C /00063 - S/2S/2

(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4

(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4
(APC .5 & .5*)
TR 00846A /02483 - S/2
(Amerada .5, SWEPI .5)
Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)
Sec 28 - (See Well 193427-2L above)
Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00023 /01212 - Lots 3,4, E/2SW/4
(APC 1.0)
T19N,R34E
Sec 24 - TR 00067 /01283 - N/2N/2
(APC 1.0)
TR 00009 /01185 - SW/4
(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4
(APC .9375, SWEPI .0625)
Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4
(Amerada 1.0)
TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4
(APC 1.0)
TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4
(APC 1.0)
Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2
(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)
Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)
Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)
Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)
Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)

T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01508 BRAVO DOME CO2 GS UT TR 00172B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	205722 00	RI✓ 1		0.01250000	1		01
		LIBBY, JUANITA						
2	11/01/1980	330041 00	RI✓ 1		0.01250000	1		01
		AVERSA, MARIE						
3	02/01/1995	330064 00	RI✓ 1		0.03333333	1		01
		BOLZ, JAMES D AND VICKIE						
4	02/01/1995	330065 00	RI✓ 1		0.03333333	1		01
		BOLZ, THOMAS M						
5	02/01/1995	485836 00	RI✓ 1		0.02083334	1		01
		BOLZ, WILLIAM G, JR						
6	11/01/1980	617000 00	WI 1		0.87500000	1		
		AMOCO PRODUCTION COMPANY						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL

TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01508 BRAVO DOME CO2 GS UT TR 00172B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	930008 00	RI 1		0.00416670	1		01
		RITTER, PEGGY						
2	11/01/1980	939405 00	RI 1		0.00416660	1		01
		MAYTUM, WAYNE						
3	11/01/1980	939406 00	RI 1		0.00416670	1		01
		MAYTUM, LAWRENCE						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL

TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 02522 BRAVO DOME CO2 GS UT TR 00864B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP	
1	01/01/1995	150219 00	RI 1	1		0.03050000	8		01	
			SHELL LAND AND ENERGY COMPANY							
2	01/01/1995	150219 00	RI 2	2		0.10000000	8		01	
			SHELL LAND AND ENERGY COMPANY							
3	01/01/1995	150219 00	WI 1	1		0.66950000	8			
			SHELL LAND AND ENERGY COMPANY							
4	11/01/1980	922406 15	RI 1	1		0.02500000	8		02	
			AMERADA HESS CORPORATION							
5	11/01/1980	922406 15	WI 1	1		0.17500000	8			
			AMERADA HESS CORPORATION							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

DIVISION OF INTEREST

TR 00864B

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME				OPERATOR		DATE		PAGE	
3-34625-262		BRAVO DOME				AMOCO PRODUCTION CO.		2/02/98		1	
PROPERTY NAME						COUNTY			STATE		
BRAVO DOME CO2 INTR FIN						HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL		
ALLTUQ00	S0010220	00	PP	STEPHANIE W ALLEN 1040 COLUMBIA NE ALBUQUERQUE, NM 87106 IRS-Social Security No. [REDACTED]			GAS		.0034385		
AME18TDK	10030110	00	WI	AMERADA HESS - BRAVO DOME ADDRESS UNKNOWN			GAS		.1500000		
ARMYUM00	10010220	00	OR	C. C. WHITTENBURG ARMSTRONG COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]			GAS		.0002900		
BENE7U00	S0010220	00	PP	FRED BENNERS 3104 FAIRMOUNT DALLAS, TX 75201 IRS-Social Security No. [REDACTED]			GAS		.0014625		
BON11X00	S0010220	00	PP	JAMES HERBERT BOND SUITE 2810, TOWER II 325 N. ST PAUL DALLAS, TX 75201 IRS-Social Security No. [REDACTED]			GAS		.0014029		
BOS2ST00	S0010220	00	PP	JAMES R. BOSTON 1201 QUEENSPARK TYLER, TX 75703 IRS-Social Security No. [REDACTED]			GAS		.0018237		
BRO2DU00	S0010220	00	PP	JANE BROWNING SUITE 1410, LB 42 8080 N. CENTRAL EXPRESSWAY DALLAS, TX 75206-1806 IRS-Social Security No. [REDACTED]			GAS		.0054169		
BUE17600	10010220	00	OR	SEALY H. CAVIN, JR., TRUSTEE OF THE BUEYEROS TRUST 648 PETROLEUM BUILDING ROSWELL, NM 88201 IRS-Employer ID No. [REDACTED]			GAS		.0060000		
CLE1A000	S0010220	00	PP	CYNTHIA C. CLENDENEN 9836 HATHAWAY DALLAS, TX 75220 IRS-Social Security No. [REDACTED]			GAS		.0010976		

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse to Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME				OPERATOR		DATE		PAGE	
3-34625-262		BRAVO DOME				AMOCO PRODUCTION CO.		2/02/98		2	
PROPERTY NAME						COUNTY			STATE		
BRAVO DOME CO2 INTR FIN						HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL		
CRD6S000	S0010220	00	PP	CRDF, LTD P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]			GAS		.0136000		
CREDDI00	S0010220	00	PP	FLORENCE CRESON REGAN 4117 WHIPPOORWILL LANE PLANO, TX 75093-6050 IRS-Social Security No. [REDACTED]			GAS		.0010976		
CREG7000	S0010220	00	PP	DON E. WILLIAMS, TRUSTEE CRESON GRANDCHILDRENS TRUST P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]			GAS		.0048486		
CRETDT00	S0010220	00	PP	ROBERT P. CRESON, III 5626 PRESTON OAKS DRIVE, #6B DALLAS, TX 75240 IRS-Social Security No. [REDACTED]			GAS		.0010976		
CRE27000	S0010220	00	PP	DAISY CAROLE CRESON 4432 EDMONDSON DALLAS, TX 75205 IRS-Social Security No. [REDACTED]			GAS		.0010976		
DAVYS700	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF LESLIE W DAVIES TR UWO LEWIS G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]			GAS		.0015786		
FIRBAI00	S0010220	00	PP	RUSSELL A. FIRESTONE, JR. 5106 SPRING MEADOW DALLAS, TX 75229 IRS-Social Security No. [REDACTED]			GAS		.0003095		
HEU1PB00	S0010220	00	PP	HARRY B. HEUTEL 3918 HARRY HINES BOULEVARD SUITE 206 DALLAS, TX 75219 IRS-Social Security No. [REDACTED]			GAS		.0001981		
LAD2AB01	S0010220	00	PP	DOROTHY LADUE TRUST 7306 MIMOSA LANE DALLAS, TX 75230 IRS-Social Security No. [REDACTED]			GAS		.0041789		

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME			OPERATOR		DATE		PAGE
3-34625-262		BRAVO DOME			AMOCO PRODUCTION CO.		2/02/98		3
PROPERTY NAME					COUNTY			STATE	
BRAVO DOME CO2 INTR FIN					HARDING			NM.	
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS		PRODUCT		DECIMAL	
LARDDE00	S0010220	00	PP	SARAH C. LARROCA 5715 OVER DOWNS DALLAS, TX 75230 IRS-Social Security No. [REDACTED]		GAS		.0028709	
LATWBM00	10010220	00	OR	JEANNE W. LATIMER 1750 NATIONSBANK PLAZA 300 CONVENT ST. SAN ANTONIO, TX 78205 IRS-Social Security No. [REDACTED]		GAS		.0002900	
LESBBP00	10010220	00	OR	LESOM, INC. COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Employer ID No. [REDACTED]		GAS		.0002900	
NEWSTS00	10010220	00	OR	ROBERT P. CRESO, DON MICHAEL DOWDLE, DON E. WILLIAMS & OLIVER H. DANIEL, TRUSTEES FOR NEWKIRK ROY. TR. P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]		GAS		.0159000	
OLIBDM00	S0010220	00	PP	BROWN BROTHERS HARRIMAN TR. CO TRSTE-AGNES CLUTHE OLIVER TR. 2001 ROSS AVENUE, STE. 1150 DALLAS, TX 75201 IRS-Social Security No. [REDACTED]		GAS		.0076754	
OLIPPP00	S0010220	00	PP	WILLIAM B. OLIVER RESIDUARY TR BROWN BROTHERS HARRIMAN TRUST COMPANY OF TEXAS SUCCESSOR TRUSTEE 2001 ROSS AVENUE, SUITE 1150 DALLAS, TX 75201 IRS-Employer ID No. [REDACTED]		GAS		.0076753	
PASC3300	10010220	00	RI	PASCHALL PROPERTIES INC. P O BOX 60186 OKLAHOMA CITY, OK 73146 IRS-Employer ID No. [REDACTED]		GAS		.0625000	
PASC4L01	10010220	00	RI	ZELDA DANNA PASCHALL REVOCABLE INTER VIVOS TRUST #2 SUSAN PAULINE LONG, TRUSTEE P. O. BOX 18916 OKLAHOMA CITY, OK 73154-0916 IRS-Employer ID No. [REDACTED]		GAS		.0625000	

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse to Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME		OPERATOR		DATE	PAGE
3-34625-262		BRAVO DOME		AMOCO PRODUCTION CO.		2/02/98	4
PROPERTY NAME				COUNTY			STATE
BRAVO DOME CO2 INTR FIN				HARDING			NM.
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS		PRODUCT	DECIMAL
PECUYI00	S0010220	00	PP	PECOS RESOURCES CORPORATION P O BOX 8217 DALLAS, TX 75205 IRS-Employer ID No. [REDACTED]		GAS	.0013930
PEC06600	10010220	00	OR	ROBERT P. CRESON, DON MICHAEL DOWDLE, DON E. WILLIAMS & OLIVER H. DANIEL, TRUSTEES FOR PECOS SLOPE ROYALTY TRUST P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]		GAS	.0028000
PERC3300	S0010220	00	PP	JOHN A PERKINS 4709 WATAUGA ROAD DALLAS, TX 75209 IRS-Social Security No. [REDACTED]		GAS	.0083577
RED7TQ00	10010220	00	OR	ELIZABETH W. REDWINE COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]		GAS	.0002900
ROAUH700	S0010220	00	PP	DIANA W ROACH 701 NORTHERN BLVD RIO RANCHO, NM 87124 IRS-Social Security No. [REDACTED]		GAS	.0034384
SUMG7T00	S0010220	00	PP	JOSEPH C. SUMNER 2703 PARADISE STREET VERNON, TX 76384 IRS-Social Security No. [REDACTED]		GAS	.0046894
SWAIPZ00	S0010220	00	PP	CLYDE SWALWELL SUITE 204B 5327 N. CENTRAL EXPRESSWAY DALLAS, TX 75205 IRS-Social Security No. [REDACTED]		GAS	.0013930
TAYOMP00	S0010220	00	PP	SECURITY STATE BANK A/C DUDLEY DAVIS TAYLOR P. O. BOX 180 ELYSIAN FIELDS, TX 75642 IRS-Social Security No. [REDACTED]		GAS	.0013930

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME		OPERATOR		DATE	PAGE
3-34625-262		BRAVO DOME		AMOCO PRODUCTION CO.		2/02/98	5
PROPERTY NAME				COUNTY		STATE	
BRAVO DOME CO2 INTR FIN				HARDING		NM.	
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS		PRODUCT	DECIMAL
WEEEYP00	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF L AUSTIN WEEKS TR UWO LEWIS G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]		GAS	.0015785
WEETNU00	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF ART 8 WEEKS FMLY TR UWO L G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]		GAS	.0015786
WEE17T00	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF MARTA S WEEKS TR UWO LEWIS G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]		GAS	.0015786
WEE27P00	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF KERMIT A WEEKS TR UWO LEWIS G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]		GAS	.0015785
WELH2800	10010220	00	OR	JOE B. WELLS AND BRENDA WELLS P. O. BOX 15308 AMARILLO, TX 79105 IRS-Social Security No. [REDACTED]		GAS	.0029000
WELKDL00	S0010220	00	PP	WELLS RESOURCES, INC. P O BOX 1405 BOCA GRANDE, FL 33921 IRS-Employer ID No. [REDACTED]		GAS	.0013929
WHIMBE00	10010220	00	OR	J. A. WHITTENBURG, IV SUITE 100-B-160 3878 OAKLAWN AVENUE DALLAS, TX 75219 IRS-Social Security No. [REDACTED]		GAS	.0002900

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME				OPERATOR		DATE		PAGE	
3-34625-262		BRAVO DOME				AMOCO PRODUCTION CO.		2/02/98		6	
PROPERTY NAME						COUNTY			STATE		
BRAVO DOME CO2 INTR FIN						HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL		
WHIV7W00	10010220	00	OR	J.A. WHITTENBURG, III, AND JEANNE P. WHITTENBURG COBLE BUILDING 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]			GAS		.0014500		
9SLEC000	10030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]			GAS		.1555000		
9SLEC000	S0030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]			GAS		.0892418		
9SLEC1DK	10030110	00	WI	SHELL LAND & ENERGY CO. DELIVER-IN-KIND CITY UNKNOWN, TX IRS-Employer ID No. [REDACTED]			GAS		.6052582		
* * TOTALS FOR - 3-34625-262 * *											
				Oil			-		.0000000		
				Conditioned Oil			-		.0000000		
				Gas			-		1.0000000		
				Conditioned Gas			-		.0000000		

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

AMERADA HESS CORPORATION
DIVISION ORDER OWNERSHIP
LIVE DIVISION ORDER OWNERSHIP BY PROPERTY

PAGE: 1
REPORT #TDO10001
RUN DATE: 02/03/98 TIME: 11:03

PROPERTY-TRACT: 06410-0864 **B** BRAVO DOME CARBON DIOXIDE GU TRACT FACTOR: 0.0005168

STATE: NEW MEXICO
COUNTY: HARDING, UNION & QUAY

DESCRIPTION: 910.196.37 ACRES, MORE OR LESS, AS DESCRIBED IN THE BRAVO DOME
CARBON DIOXIDE GAS UNIT AGREEMENT APPROVED BY THE NEW MEXICO STATE LAND OFFICE

*Tract 864 covers
SE 1/4 NW 1/4 Sec 30 - 19N-34E
E 1/2 NW 1/4 Sec 34 - 19N-34E ✓
SW 1/4 Sec 32-24N-34E*

OWNER NUMBER	NAME AND ADDRESS	PAY/HOLD CODE	DESC TYPE	INTEREST DESC	OIL	GAS	COND	CSGHD	OTHER
00010	AMERADA HESS CORPORATION P O BOX 2040 HOUSTON, TX 77252-2040 TAX IDENTIFICATION: [REDACTED]	80	ELM	11	WI	0.0000000	0.0000000	0.0000000	0.1500000
99997	TO BALANCE ADDRESS UNKNOWN	90	ELM	12	WI	0.0000000	0.0000000	0.0000000	0.8500000

TAX IDENTIFICATION: 000000000

*** THIS INFORMATION IS BEING PROVIDED TO YOU AS AN ACCOMMODATION ONLY. AMERADA HESS CORPORATION MAKES NO WARRANTY
*** OR REPRESENTATION AS TO THE ACCURACY OR CORRECTNESS OF THIS INFORMATION, AND PARTIES RELYING ON SUCH INFORMATION
*** DO SO AT THEIR OWN RISK AND WITHOUT RECOURSE AGAINST AMERADA HESS CORPORATION, OR ANY OF ITS AGENTS OR EMPLOYEES. ***

***** END OF REPORT *****

*shall be distributing the's
share of the bundle*

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01513 BRAVO DOME CO2 GS UT TR 00172G

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	08/01/1996	183398 00	BOLZ, GLENDA LEE	RI✓1		0.00375000	1		01
2	08/01/1996	183469 00	BOLZ, CHARLES LEE	RI✓1		0.00375000	1		01
3	11/01/1980	205722 00	LIBBY, JUANITA	RI✓1		0.00875000	1		01
4	11/01/1980	330041 00	AVERSA, MARIE	RI✓1		0.00875000	1		01
5	02/01/1995	330064 00	BOLZ, JAMES D AND VICKIE	RI✓1		0.02333333	1		01
6	02/01/1995	330065 00	BOLZ, THOMAS M	RI✓1		0.02333333	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01513 BRAVO DOME CO2 GS UT TR 00172G

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	330180 00	RI✓1		0.00750000	1		01
		DURGAN, FERN						
2	11/01/1980	351750 00	RI✓1		0.01250000	1		01
		GUTHRIE, W D						
3	11/01/1980	432967 00	RI✓1		0.00750000	1		01
		BOLZ, HERBERT H						
4	11/01/1980	433482 00	RI✓1		0.00750000	1		01
		LEGG, DOROTHY F BOLES						
5	11/01/1980	434095 00	RI✓1		0.00750000	1		01
		BOLZ, GEORGE W						
6	02/01/1995	485836 00	RI✓1		0.01458334	1		01
		BOLZ, WILLIAM G, JR						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL

TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01513 BRAVO DOME CO2 GS UT TR 00172G

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	617000 00	WI	1		0.86250000	1		
		AMOCO PRODUCTION COMPANY							
2	11/01/1980	930008 00	RI ✓	1		0.00291670	1		01
		RITTER, PEGGY							
3	11/01/1980	939405 00	RI ✓	1		0.00291660	1		01
		MAYTUM, WAYNE							
4	11/01/1980	939406 00	RI ✓	1		0.00291670	1		01
		MAYTUM, LAWRENCE							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01210 BRAVO DOME CO2 GS UT TR 00021

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	01/01/1998	13720 00	PREWITT, DAVID A	RI 1		0.01562500	1		01
2	01/01/1998	13721 00	TOMLIN, JUDITH K	RI 1		0.01562500	1		01
3	01/01/1998	13722 00	GRAY, JOANNE PREWITT	RI 1		0.01562500	1		01
4	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.84375000	1		
5	11/01/1980	747847 00	CHESSER, MARY FRANCES	RI 1		0.04687500	1		01
6	11/01/1980	775259 00	WINCHESTER, WILLIAM J	RI 1		0.06250000	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL

TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSEDOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02616 BRAVO DOME CO2 GS UT TR 00948

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	01/01/1995	150219 00	RI 1	1		0.02775000	8		01
		SHELL LAND AND ENERGY COMPANY							
2	01/01/1995	150219 00	RI 2	2		0.03750000	8		01
		SHELL LAND AND ENERGY COMPANY							
3	01/01/1995	150219 00	WI 1	1		0.23475000	8		
		SHELL LAND AND ENERGY COMPANY							
4	11/01/1980	205722 00	RI 1	1		0.00625000	1		02
		LIBBY, JUANITA							
5	11/01/1980	330041 00	RI 1	1		0.00625000	1		02
		AVERSA, MARIE							
6	02/01/1995	330064 00	RI 1	1		0.01666667	1		02
		BOLZ, JAMES D AND VICKIE							
		TOTAL GRI/NRI 0.00000000 1.00000000							

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02616 BRAVO DOME CO2 GS UT TR 00948

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	02/01/1995	330065 00	BOLZ, THOMAS M	RI 1		0.01666667	1		02
2	02/01/1995	485836 00	BOLZ, WILLIAM G, JR	RI 1		0.01041666	1		02
3	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.43750000	1		
4	11/01/1980	922406 15	AMERADA HESS CORPORATION	RI 1		0.02500000	8		03
5	11/01/1980	922406 15	AMERADA HESS CORPORATION	WI 1		0.17500000	8		
6	11/01/1980	930008 00	RITTER, PEGGY	RI 1		0.00208330	1		02

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL

TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 02616 BRAVO DOME CO2 GS UT TR 00948

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	939405 00	MAYTUM, WAYNE	RI 1		0.00208340	1		02
2	11/01/1980	939406 00	MAYTUM, LAWRENCE	RI 1		0.00208330	1		02

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

DIVISION OF INTEREST

TR 00948

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME			OPERATOR		DATE		PAGE	
3-34625-302		BRAVO DOME			AMOCO PRODUCTION CO.		2/02/98		1	
PROPERTY NAME					COUNTY			STATE		
BRAVO DOME CO2 INTR FIN					HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL	
AME18TDK	10030110	00	WI	AMERADA HESS - BRAVO DOME ADDRESS UNKNOWN			GAS		.1500000	
ARMYUM00	10010220	00	OR	C. C. WHITTENBURG ARMSTRONG COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]			GAS		.0002625	
BRAVO9DK	10030110	00	AI	BRAVO DOME CARBON DIOXIDE UNIT ADDRESS UNKNOWN			GAS		.5000000	
BUE17600	10010220	00	OR	SEALY H. CAVIN, JR., TRUSTEE OF THE BUEYEROS TRUST 648 PETROLEUM BUILDING ROSWELL, NM 88201 IRS-Employer ID No. [REDACTED]			GAS		.0050000	
JONM2A00	10010220	00	RI	KATHLEEN ALICE JONES 506 WEST CALEY CIRCLE LITTLETON, CO 80120 IRS-Social Security No. [REDACTED]			GAS		.0312500	
LATWBM00	10010220	00	OR	JEANNE W. LATIMER 1750 NATIONSBANK PLAZA 300 CONVENT ST. SAN ANTONIO, TX 78205 IRS-Social Security No. [REDACTED]			GAS		.0002625	
LESBBP00	10010220	00	OR	LESOM, INC. COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Employer ID No. [REDACTED]			GAS		.0002625	
NEWSTS00	10010220	00	OR	ROBERT P. CRESON, DON MICHAEL DOWDLE, DON E. WILLIAMS & OLIVER H. DANIEL, TRUSTEES FOR NEWKIRK ROY. TR. P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]			GAS		.0159000	
PEC06600	10010220	00	OR	ROBERT P. CRESON, DON MICHAEL DOWDLE, DON E. WILLIAMS & OLIVER H. DANIEL, TRUSTEES FOR PECOS SLOPE ROYALTY TRUST P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]			GAS		.0016000	

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME				OPERATOR		DATE		PAGE	
3-34625-302		BRAVO DOME				AMOCO PRODUCTION CO.		2/02/98		2	
PROPERTY NAME						COUNTY			STATE		
BRAVO DOME CO2 INTR FIN						HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL		
RED7TQ00	10010220	00	OR	ELIZABETH W. REDWINE COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]			GAS		.0002625		
SHI25M00	10090220	00	RI	LORETTA JEAN SHIPLEY 1620 OAKWOOD NORMAN, OK 73069 IRS-Social Security No. [REDACTED]			GAS		.0312500		
WELH2800	10010220	00	OR	JOE B. WELLS AND BRENDA WELLS P. O. BOX 15308 AMARILLO, TX 79105 IRS-Social Security No. [REDACTED]			GAS		.0026250		
WHIMBE00	10010220	00	OR	J. A. WHITTENBURG, IV SUITE 100-B-160 3878 OAKLAWN AVENUE DALLAS, TX 75219 IRS-Social Security No. [REDACTED]			GAS		.0002625		
WHIV7W00	10010220	00	OR	J.A. WHITTENBURG, III, AND JEANNE P. WHITTENBURG COBLE BUILDING 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]			GAS		.0013125		
9SLEC000	10030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]			GAS		.0902500		
9SLEC1DK	10030110	00	WI	SHELL LAND & ENERGY CO. DELIVER-IN-KIND CITY UNKNOWN, TX IRS-Employer ID No. [REDACTED]			GAS		.2597500		
* * TOTALS FOR - 3-34625-302 * *											
				Oil			-		.0000000		
				Conditioned Oil			-		.0000000		
				Gas			-		1.0000000		
				Conditioned Gas			-		.0000000		

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

AMERADA HESS CORPORATION
DIVISION ORDER OWNERSHIP
LIVE DIVISION ORDER OWNERSHIP BY PROPERTY

PROPERTY-TRACT: 06410-0948 BRAVO DOME CARBON DIOXIDE GU TRACT FACTOR: 0.0001879

STATE: NEW MEXICO
COUNTY: UNION

DESCRIPTION: SW/4 SEC 34-19N-34E. UNIT CONSISTS OF 910.196.37 ACRES, MORE OR LESS

OWNER NUMBER	NAME AND ADDRESS	PAY/HOLD CODE	DESC TYPE	INTEREST DESC	OIL	GAS	COND	CSGHD	OTHER
00010	AMERADA HESS CORPORATION P O BOX 2040 HOUSTON, TX 77252-2040 TAX IDENTIFICATION: [REDACTED]	80	ELM	11	WI	0.0000000	0.0000000	0.0000000	0.1500000
99997	TO BALANCE ADDRESS UNKNOWN	90	ELM	12	WI	0.0000000	0.0000000	0.0000000	0.8500000

TAX IDENTIFICATION: 000000000

*** THIS INFORMATION IS BEING PROVIDED TO YOU AS AN ACCOMMODATION ONLY. AMERADA HESS CORPORATION MAKES NO WARRANTY
*** OR REPRESENTATION AS TO THE ACCURACY OR CORRECTNESS OF THIS INFORMATION, AND PARTIES RELYING ON SUCH INFORMATION
*** DO SO AT THEIR OWN RISK AND WITHOUT RECOURSE AGAINST AMERADA HESS CORPORATION, OR ANY OF ITS AGENTS OR EMPLOYEES. ***

***** END OF REPORT *****

*Shell is distributing H&E's share
of the burdens*

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 00062 BRAVO DOME CO2 GS UT TR F0013B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	600411 81	RI 1			0.12500000	8		01
			AMERADA HESS CORPORATION						
2	11/01/1980	600411 81	WI 1			0.75000000	8		
			AMERADA HESS CORPORATION						
3	02/01/1994	710000 01	RI 1			0.12500000	8		01
			MINERALS MANAGEMENT SERVICE						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 00063 BRAVO DOME CO2 GS UT TR F0013C

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	600411 81	RI 1	AMERADA HESS CORPORATION		0.12500000	8		01
2	11/01/1980	600411 81	WI 1	AMERADA HESS CORPORATION		0.75000000	8		
3	02/01/1994	710000 01	RI 1	MINERALS MANAGEMENT SERVICE		0.12500000	8		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

AMERADA HESS CORPORATION
DIVISION ORDER OWNERSHIP
LIVE DIVISION ORDER OWNERSHIP BY PROPERTY

PROPERTY-TRACT: 06410-F013 BRAVO DOME CARBON DIOXIDE GU

TRACT FACTOR: 0.0005168

STATE: NEW MEXICO
COUNTY: HARDING, UNION & QUAY

TR F0013B \$ F0013C \$ F0013D

DESCRIPTION: 910,196.37 ACRES, MORE OR LESS, AS DESCRIBED IN THE BRAVO DOME
CARBON DIOXIDE GAS UNIT AGREEMENT APPROVED BY THE NEW MEXICO STATE LAND OFFICE

PAGE: 1
REPORT #TDO10001
RUN DATE: 02/03/98 TIME: 11:03

Carroll NE 1/4 NW 1/4 Sec 21
N 1/2 NW 1/4 S 1/2 Sec 27
SW 1/4 Sec 28

ALL 19 N-34 E

OWNER
NUMBER

NAME AND ADDRESS

PAY/HOLD
CODE DESC TYPE DESC

OIL

GAS

COND

CSGHD

OTHER

00010 AMERADA HESS CORPORATION

P O BOX 2040

HOUSTON, TX 77252-2040

TAX IDENTIFICATION: 134921002

80 ELM

11 WI

0.0000000

0.0000000

0.0000000

0.0000000

0.0000000

0.7500000

10421 PUBLIC LANDS ROYALTY TRUST

TOM R BOSTON ROBERT P CRESO

DON D DOWDLE FRED BENNERS &

OLIVER H DANIELS TRUSTEES

P O BOX 7127

DALLAS, TX 75209

TAX IDENTIFICATION: 756258613

30 PAY

62 OI

0.0000000

0.0000000

0.0000000

0.0000000

0.0000000

0.1000000

10422 GEORGE L SCOTT

648 PETROLEUM BLDG

ROSWELL, NM 88201

TAX IDENTIFICATION: 447346817

30 PAY

62 OI

0.0000000

0.0000000

0.0000000

0.0000000

0.0000000

0.0250000

89599 ROYALTY MANAGEMENT PROGRAM

PAYOR CODE 10631 GAS-CHG

MINERALS MANAGEMENT SERVICE

BOX 5810 T A

DENVER, CO 80217-5810

TAX IDENTIFICATION: 840848646

30 PAY

24 RI

0.0000000

0.0000000

0.0000000

0.0000000

0.0000000

0.1250000

*** THIS INFORMATION IS BEING PROVIDED TO YOU AS AN ACCOMMODATION ONLY. AMERADA HESS CORPORATION MAKES NO WARRANTY
*** OR REPRESENTATION AS TO THE ACCURACY OR CORRECTNESS OF THIS INFORMATION, AND PARTIES RELYING ON SUCH INFORMATION
*** DO SO AT THEIR OWN RISK AND WITHOUT RECOURSE AGAINST AMERADA HESS CORPORATION, OR ANY OF ITS AGENTS OR EMPLOYEES. ***

Distribute

100%

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01518 BRAVO DOME CO2 GS UT TR 00174B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	10/01/1997	10829 00	DEVERS, CLOYD W	RI 1		0.00347225	1		01
2	10/01/1997	10830 00	DEVERS, DALE	RI 1		0.00347225	1		01
3	11/01/1980	121405 00	BANKS, SHEILA ANN	RI 1		0.00104170	1		01
4	11/01/1980	121406 00	DEVERS, JOHN GARRETT	RI 1		0.00104170	1		01
5	11/01/1980	121407 00	MEIER, JESSIE DEE	RI 1		0.00104160	1		01
6	11/01/1980	121408 00	DEVERS, MICHAEL WAYNE	RI 1		0.00104170	1		01
TOTAL GRI/NRI					0.00000000	1.00000000			

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01518 BRAVO DOME CO2 GS UT TR 00174B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	121464 00	TAYLOR, KAREN ARLENE	RI 1		0.00104170	1		01
2	11/01/1980	121475 00	DEVERS, JESSIE MAE	RI 1		0.00173610	1		01
3	08/01/1997	142660 00	KILGORE, LARRY	RI 1		0.00086805	2	06	01
4	11/01/1980	142661 00	GERBI, SHERRY	RI 1		0.00086805	1		01
5	11/01/1980	204416 00	DEVERS, A E, JR	RI 1		0.00694450	1		01
6	11/01/1980	204421 00	DEVERS, CLYDE E	RI 1		0.00694440	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01518 BRAVO DOME CO2 GS UT TR 00174B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	204423 00	JOHNSON, PAULINE WEBB	RI 1		0.00694450	1		01
2	11/01/1980	206421 00	GRIFFIN, BERNARD E	RI 1		0.00173610	1		01
3	11/01/1980	206422 00	GRIFFIN, BYRL	RI 1		0.00173610	1		01
4	11/01/1980	206423 00	KERN, LEORA	RI 1		0.00173610	1		01
5	11/01/1980	257133 00	HALL, ELAINE	RI 1		0.00347220	1		01
6	11/01/1980	257134 00	DEVERS, DON	RI 1		0.00347220	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

G2/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01518 BRAVO DOME CO2 GS UT TR 00174B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP	
1	11/01/1980	273057 00	RI 1			0.01171880	1		01	
			COPELAND, GEORGE C, TRUST A							
2	11/01/1980	274591 00	RI 1			0.01171870	1		01	
			COPELAND, MARY ALICE							
3	11/01/1980	382803 00	RI 1			0.00781250	1		01	
			COPELAND, W N							
4	11/01/1980	449313 00	RI 1			0.03125000	1		01	
			POLIZZI, IMOGENE COLLINS							
5	11/01/1980	617000 00	WI 1			0.87500000	1			
			AMOCO PRODUCTION COMPANY							
6	11/01/1980	937713 00	RI 1			0.00694440	1		01	
			DEVERS, GARLAND L							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL

TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01518 BRAVO DOME CO2 GS UT TR 00174B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	937713 00	RI	2		0.00694440	1		01
		DEVERS, GARLAND L							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT*SEQ NUMBER

DOI NUMBER 15527500 01515 BRAVO DOME CO2 GS UT TR 00173A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	04/01/1997	199408 00	RI 1		0.00416666	1		01
		REED, JAMES ROOK						
2	04/01/1997	199410 00	RI 1		0.00416667	1		01
		REED, HOWARD KENT						
3	08/01/1997	199411 00	RI 1		0.00416667	2	06	01
		ROBERTS, JUDY LANELL						
4	11/01/1980	256163 00	RI 1		0.00625000	1		01
		REED, ARCHIE GLYN						
5	11/01/1980	256164 00	RI 1		0.00625000	1		01
		MILLS, TINA LORETTA						
6	11/01/1980	256165 00	RI 1		0.00312500	1		01
		KLOSINSKI, NOREENE ONEITA						
		TOTAL GRI/NRI		0.00000000	1.00000000			

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01515 BRAVO DOME CO2 GS UT TR 00173A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	256166 00	REED, ANNA LOUISE	RI 1		0.00937500	1		01
2	11/01/1980	256173 00	REED, ROBERT	RI 1		0.00250000	1		01
3	11/01/1980	256174 00	REED, KENT	RI 1		0.00250000	1		01
4	11/01/1980	256175 00	CARAWAY, JOYCE	RI 1		0.00250000	1		01
5	11/01/1980	256176 00	CLARKSON, WANDA	RI 1		0.00250000	1		01
6	11/01/1980	256177 00	MITCHELL, CATHRYN	RI 1		0.00250000	1		01
TOTAL GRI/NRI					0.00000000	1.00000000			

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT- SEQ NUMBER

DOI NUMBER 15527500 01515 BRAVO DOME CO2 GS UT TR 00173A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	383608 00	SMITH, JESSIE MABEL	RI 1		0.01250000	1		01
2	11/01/1980	449313 00	POLIZZI, IMOGENE COLLINS	RI 1		0.06250000	1		01
3	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-059-20368
⁴ Property Code 000335	⁵ Property Name BDCDGU 1934	⁶ Well No. 272

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 Union
L	27	19N	34E		2479	South	1011	West	Union

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
		P							
⁹ Proposed Pool 1 Bravo Dome Carbon Dioxide Gas 96010					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4787
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	14# STEELG	2450	270	SURFACE

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature:

DJ Holcomb

Printed name: Danny J Holcomb

Title: Field Team Leader

Date:

2-11-98

Phone: (505) 374-3010

OIL CONSERVATION DIVISION

Approved by:

Ry E Johnson

Title:

Approval Date:

3/2/98

Expiration Date:

3/2/99

Conditions of Approval:

Attached ☐



OK

**Amoco Exploration and Production
Amoco Energy Group, North America**

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

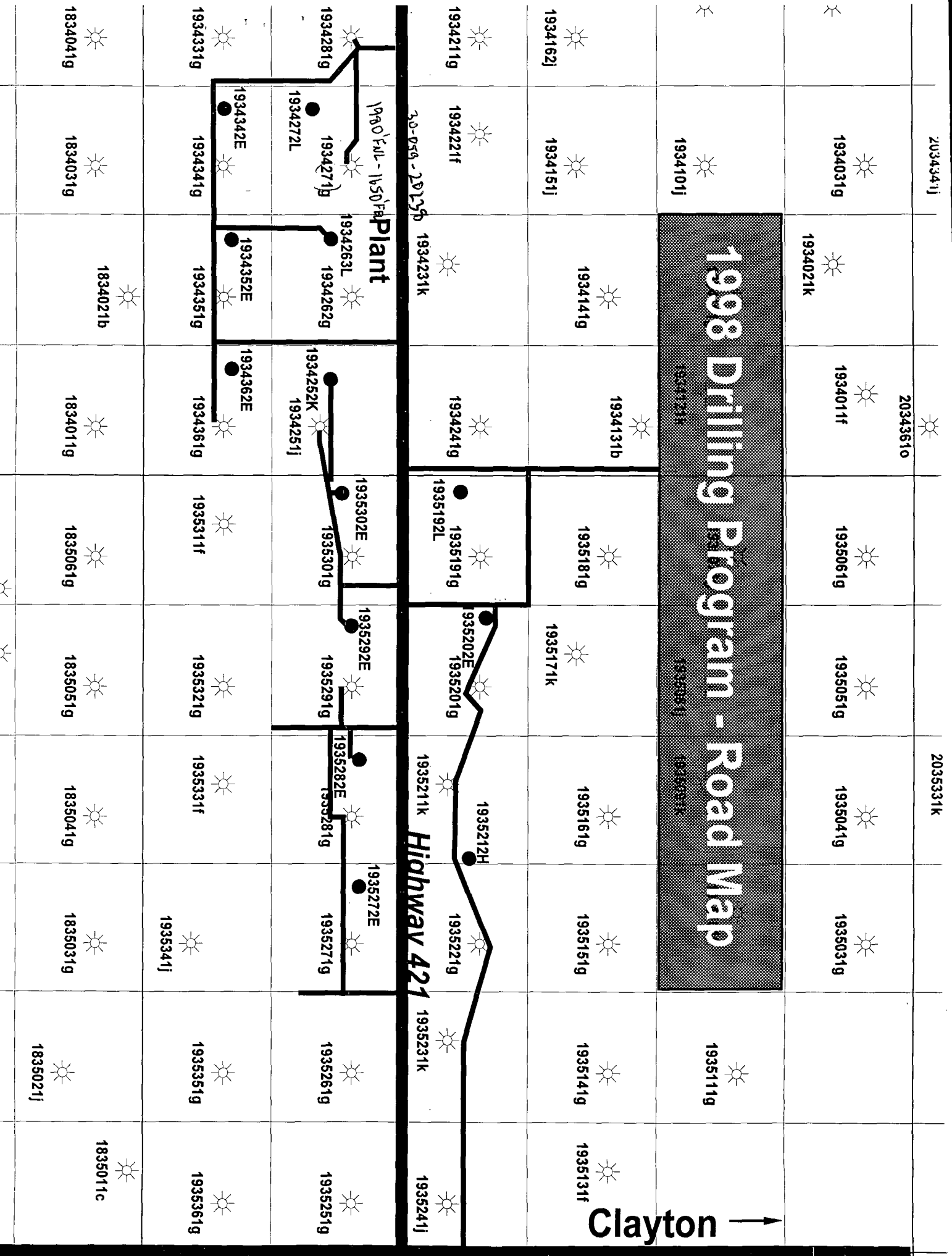
Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

Yours truly,

1998 Drilling Program - Road Map



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All
(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2
(APC 1.0)
Tr 00947 /02615 - S/2N/2
(APC .5, SWEPI .5)
Tr 00172A /01507 - S/2
(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2
(APC 1.0)
Tr 00172H /01687 - S/2
(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4
(APC 1.0)
Tr 00864B /02522 - E/2NW/4
(Amerada .2, SWEPI .8)
Tr 00172G /01513 - SE/4
(APC 1.0)
Tr 00021 /01210 - NE/4
(APC 1.0)
Tr 00948 /02616 - SW/4
(APC .5, Amerada .2, SWEPI .3)
Sec 27 - Tr F0013B /00062 - N/2NW/4
(Amerada 1.0)
Tr F0013C /00063 - S/2S/2
(Amerada 1.0)
Tr 00174B /01518 - NE/4, N/2SE/4
(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4
(APC .5 & .5*)
TR 00846A /02483 - S/2
(Amerada .5, SWEPI .5)
Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)
Sec 28 - (See Well 193427-2L above)
Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)

TR 00023 /01212 - Lots 3,4, E/2SW/4
(APC 1.0)

T19N,R34E

Sec 24 - TR 00067 /01283 - N/2N/2
(APC 1.0)

TR 00009 /01185 - SW/4
(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4
(APC .9375, SWEPI .0625)

Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4
(Amerada 1.0)

TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4

(APC 1.0)

TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4
(APC 1.0)

Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2
(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)
Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)
Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)
Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)
Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)

T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01519 BRAVO DOME CO2 GS UT TR 00175

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	10/01/1997	10829 00	DEVERS, CLOYD W	RI 1		0.00173610	1		02
2	10/01/1997	10830 00	DEVERS, DALE	RI 1		0.00173610	1		02
3	11/01/1980	121405 00	BANKS, SHEILA ANN	RI 1		0.00052080	1		02
4	11/01/1980	121406 00	DEVERS, JOHN GARRETT	RI 1		0.00052090	1		02
5	11/01/1980	121407 00	MEIER, JESSIE DEE	RI 1		0.00052080	1		02
6	11/01/1980	121408 00	DEVERS, MICHAEL WAYNE	RI 1		0.00052090	1		02
TOTAL GRI/NRI					0.00000000	1.00000000			

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01519 BRAVO DOME CO2 GS UT TR 00175

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	121464 00	TAYLOR, KAREN ARLENE	RI 1		0.00052080	1		02
2	11/01/1980	121475 00	DEVERS, JESSIE MAE	RI 1		0.00086810	1		02
3	08/01/1997	142660 00	KILGORE, LARRY	RI 1		0.00043405	2	06	02
4	11/01/1980	142661 00	GERBI, SHERRY	RI 1		0.00043405	1		02
5	01/01/1995	150219 00	SHELL LAND AND ENERGY COMPANY	RI 1		0.02775000	8		01
6	01/01/1995	150219 00	SHELL LAND AND ENERGY COMPANY	RI 2		0.03750000	8		01
TOTAL GRI/NRI					0.00000000	1.00000000			

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01519 BRAVO DOME CO2 GS UT TR 00175

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	01/01/1995	150219 00	WI 1			0.23475000	8		
		SHELL LAND AND ENERGY COMPANY							
2	11/01/1980	204416 00	RI 1			0.00347230	1		02
		DEVERS, A E, JR							
3	11/01/1980	204421 00	RI 1			0.00347220	1		02
		DEVERS, CLYDE E							
4	11/01/1980	204423 00	RI 1			0.00347220	1		02
		JOHNSON, PAULINE WEBB							
5	11/01/1980	206421 00	RI 1			0.00086810	1		02
		GRIFFIN, BERNARD E							
6	11/01/1980	206422 00	RI 1			0.00086800	1		02
		GRIFFIN, BYRL							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01519 BRAVO DOME CO2 GS UT TR 00175

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	206423 00	KERN, LEORA	RI 1		0.00086800	1		02
2	11/01/1980	257133 00	HALL, ELAINE	RI 1		0.00173610	1		02
3	11/01/1980	257134 00	DEVERS, DON	RI 1		0.00173610	1		02
4	11/01/1980	273057 00	COPELAND, GEORGE C, TRUST A	RI 1		0.00585940	1		02
5	11/01/1980	274591 00	COPELAND, MARY ALICE	RI 1		0.00585940	1		02
6	11/01/1980	449313 00	POLIZZI, IMOGENE COLLINS	RI 1		0.01562500	1		02

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01519 BRAVO DOME CO2 GS UT TR 00175

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	547054 00	RI 1	1		0.00390620	1		02
			COPELAND, W N, AND						
2	11/01/1980	617000 00	WI 1	1		0.43750000	1		
			AMOCO PRODUCTION COMPANY						
3	11/01/1980	922406 15	RI 1	1		0.02500000	8		03
			AMERADA HESS CORPORATION						
4	11/01/1980	922406 15	WI 1	1		0.17500000	8		
			AMERADA HESS CORPORATION						
5	11/01/1980	937713 00	RI 1	1		0.00347220	1		02
			DEVERS, GARLAND L						
6	11/01/1980	937713 00	RI 2	2		0.00347220	1		02
			DEVERS, GARLAND L						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL

TRANSFER _____

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

TR 00175

PROPERTY NO.		FIELD NAME			OPERATOR		DATE		PAGE	
3-34625-047		BRAVO DOME			AMOCO PRODUCTION CO.		2/02/98		1	
PROPERTY NAME					COUNTY			STATE		
BRAVO DOME CO2 INTR FIN					HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL	
AME18TDK	10030110	00	WI	AMERADA HESS - BRAVO DOME ADDRESS UNKNOWN			GAS		.1500000	
ARMYUM00	10010220	00	OR	C. C. WHITTENBURG ARMSTRONG COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]			GAS		.0002625	
BRAVO9DK	10030110	00	AI	BRAVO DOME CARBON DIOXIDE UNIT ADDRESS UNKNOWN			GAS		.5000000	
BUE17600	10010220	00	OR	SEALY H. CAVIN, JR., TRUSTEE OF THE BUEYEROS TRUST 648 PETROLEUM BUILDING ROSWELL, NM 88201 IRS-Employer ID No. [REDACTED]			GAS		.0050000	
FREUBT00	10010220	00	RI	FREEPORT SECURITIES COMPANY DONALD P. DOAK, NOMINEE P. O. BOX 56 FREEPORT, IL 61032 IRS-Employer ID No. [REDACTED]			GAS		.0625000	
LATWBM00	10010220	00	OR	JEANNE W. LATIMER 1750 NATIONSBANK PLAZA 300 CONVENT ST. SAN ANTONIO, TX 78205 IRS-Social Security No. [REDACTED]			GAS		.0002625	
LESBBP00	10010220	00	OR	LESOM, INC. COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Employer ID No. [REDACTED]			GAS		.0002625	
NEWSTS00	10010220	00	OR	ROBERT P. CRESO, DON MICHAEL DOWDLE, DON E. WILLIAMS & OLIVER H. DANIEL, TRUSTEES FOR NEWKIRK ROY. TR. P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]			GAS		.0159000	

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse to Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME				OPERATOR		DATE		PAGE	
3-34625-047		BRAVO DOME				AMOCO PRODUCTION CO.		2/02/98		2	
PROPERTY NAME						COUNTY			STATE		
BRAVO DOME CO2 INTR FIN						HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL		
PEC06600	10010220	00	OR	ROBERT P. CRESO, DON MICHAEL DOWDLE, DON E. WILLIAMS & OLIVER H. DANIEL, TRUSTEES FOR PECOS SLOPE ROYALTY TRUST P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]			GAS		.0016000		
RED7TQ00	10010220	00	OR	ELIZABETH W. REDWINE COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]			GAS		.0002625		
WELH2800	10010220	00	OR	JOE B. WELLS AND BRENDA WELLS P. O. BOX 15308 AMARILLO, TX 79105 IRS-Social Security No. [REDACTED]			GAS		.0026250		
WHIMBE00	10010220	00	OR	J. A. WHITTENBURG, IV SUITE 100-B-160 3878 OAKLAWN AVENUE DALLAS, TX 75219 IRS-Social Security No. [REDACTED]			GAS		.0002625		
WHIV7W00	10010220	00	OR	J.A. WHITTENBURG, III, AND JEANNE P. WHITTENBURG COBLE BUILDING 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]			GAS		.0013125		
9SLEC000	10030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]			GAS		.0902500		
9SLEC1DK	10030110	00	WI	SHELL LAND & ENERGY CO. DELIVER-IN-KIND CITY UNKNOWN, TX IRS-Employer ID No. [REDACTED]			GAS		.2597500		

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.	FIELD NAME				OPERATOR		DATE	PAGE
3-34625-047	BRAVO DOME				AMOCO PRODUCTION CO.		2/02/98	3
PROPERTY NAME					COUNTY		STATE	
BRAVO DOME CO2 INTR FIN					HARDING		NM.	
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS		PRODUCT	DECIMAL	
				<u>* * TOTALS FOR - 3-34625-047 * *</u> Oil - .0000000 Conditioned Oil - .0000000 Gas - 1.0000000 Conditioned Gas - .0000000				
This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.								

AMERADA HESS CORPORATION
DIVISION ORDER OWNERSHIP
LIVE DIVISION ORDER OWNERSHIP BY PROPERTY

PROPERTY-TRACT: 06410-0175 BRAVO DOME CARBON DIOXIDE GU

TRACT FACTOR: 0.0000940

STATE: NEW MEXICO
COUNTY: UNION

DESCRIPTION: N/2 NW/4 SEC 28-19N-34E. UNIT CONSISTS OF 910,196.37 ACRES, MORE
OR LESS

OWNER NUMBER	NAME AND ADDRESS	PAY/HOLD CODE	DESC TYPE	INTEREST DESC	OIL	GAS	COND	CSGHD	OTHER
00010	AMERADA HESS CORPORATION P O BOX 2040 HOUSTON, TX 77252-2040 TAX IDENTIFICATION: [REDACTED]	80	ELM	11	WI	0.00000000	0.00000000	0.00000000	0.15000000
99997	TO BALANCE ADDRESS UNKNOWN	90	ELM	12	WI	0.00000000	0.00000000	0.00000000	0.85000000

TAX IDENTIFICATION: 0000000000

*** THIS INFORMATION IS BEING PROVIDED TO YOU AS AN ACCOMMODATION ONLY. AMERADA HESS CORPORATION MAKES NO WARRANTY ***
*** OR REPRESENTATION AS TO THE ACCURACY OR CORRECTNESS OF THIS INFORMATION, AND PARTIES RELYING ON SUCH INFORMATION ***
*** DO SO AT THEIR OWN RISK AND WITHOUT RECOURSE AGAINST AMERADA HESS CORPORATION, OR ANY OF ITS AGENTS OR EMPLOYEES. ***

***** END OF REPORT *****

Shell is distributing 11% share of business

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01517 BRAVO DOME CO2 GS UT TR 00174A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	10/01/1997	10829 00	DEVERS, CLOYD W	RI 1		0.00347225	1		01
2	10/01/1997	10830 00	DEVERS, DALE	RI 1		0.00347225	1		01
3	11/01/1980	121405 00	BANKS, SHEILA ANN	RI 1		0.00104170	1		01
4	11/01/1980	121406 00	DEVERS, JOHN GARRETT	RI 1		0.00104170	1		01
5	11/01/1980	121407 00	MEIER, JESSIE DEE	RI 1		0.00104160	1		01
6	11/01/1980	121408 00	DEVERS, MICHAEL WAYNE	RI 1		0.00104170	1		01
TOTAL GRI/NRI					0.00000000	1.00000000			

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01517 BRAVO DOME CO2 GS UT TR 00174A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	204423 00	RI 1		0.00694450	1		01
		JOHNSON, PAULINE WEBB						
2	11/01/1980	206421 00	RI 1		0.00173610	1		01
		GRIFFIN, BERNARD E						
3	11/01/1980	206422 00	RI 1		0.00173610	1		01
		GRIFFIN, BYRL						
4	11/01/1980	206423 00	RI 1		0.00173610	1		01
		KERN, LEORA						
5	11/01/1980	257133 00	RI 1		0.00347220	1		01
		HALL, ELAINE						
6	11/01/1980	257134 00	RI 1		0.00347220	1		01
		DEVERS, DON						
		TOTAL GRI/NRI		0.00000000	1.00000000			
1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN			
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL			
					TRANSFER			

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01517 BRAVO DOME CO2 GS UT TR 00174A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	273057 00	COPELAND, GEORGE C, TRUST A	RI 1		0.01171880	1		01
2	11/01/1980	382803 00	COPELAND, W N	RI 1		0.00390620	1		01
3	11/01/1980	449313 00	POLIZZI, IMOGENE COLLINS	RI 1		0.04687500	1		01
4	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		
5	11/01/1980	937713 00	DEVERS, GARLAND L	RI 1		0.00694440	1		01
6	11/01/1980	937713 00	DEVERS, GARLAND L	RI 2		0.00694440	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01515 BRAVO DOME CO2 GS UT TR 00173A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	04/01/1997	199408 00	REED, JAMES ROOK	RI 1		0.00416666	1		01
2	04/01/1997	199410 00	REED, HOWARD KENT	RI 1		0.00416667	1		01
3	08/01/1997	199411 00	ROBERTS, JUDY LANELL	RI 1		0.00416667	2	06	01
4	11/01/1980	256163 00	REED, ARCHIE GLYN	RI 1		0.00625000	1		01
5	11/01/1980	256164 00	MILLS, TINA LORETTA	RI 1		0.00625000	1		01
6	11/01/1980	256165 00	KLOSINSKI, NOREENE ONEITA	RI 1		0.00312500	1		01
TOTAL GRI/NRI					0.00000000	1.00000000			

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL

TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01515 BRAVO DOME CO2 GS UT TR 00173A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	256166 00	REED, ANNA LOUISE	RI 1		0.00937500	1		01
2	11/01/1980	256173 00	REED, ROBERT	RI 1		0.00250000	1		01
3	11/01/1980	256174 00	REED, KENT	RI 1		0.00250000	1		01
4	11/01/1980	256175 00	CARAWAY, JOYCE	RI 1		0.00250000	1		01
5	11/01/1980	256176 00	CLARKSON, WANDA	RI 1		0.00250000	1		01
6	11/01/1980	256177 00	MITCHELL, CATHRYN	RI 1		0.00250000	1		01
TOTAL GRI/NRI					0.00000000	1.00000000			

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01515 BRAVO DOME CO2 GS UT TR 00173A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	383608 00	RI 1		0.01250000	1		01
		SMITH, JESSIE MABEL						
2	11/01/1980	449313 00	RI 1		0.06250000	1		01
		POLIZZI, IMOGENE COLLINS						
3	11/01/1980	617000 00	WI 1		0.87500000	1		
		AMOCO PRODUCTION COMPANY						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 00064 BRAVO DOME CO2 GS UT TR F0013D

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	600411 81	RI 1		0.12500000	8		01
		AMERADA HESS CORPORATION						
2	11/01/1980	600411 81	WI 1		0.75000000	8		
		AMERADA HESS CORPORATION						
3	02/01/1994	710000 01	RI 1		0.12500000	8		01
		MINERALS MANAGEMENT SERVICE						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

PROPERTY-TRACT: 06410-F013 BRAVO DOME CARBON DIOXIDE GU

TRACT FACTOR: 0.0005168

STATE: NEW MEXICO
COUNTY: HARDING, UNION & QUAY

TR F0013B & F0013C & F0013D

DESCRIPTION: 910,196.37 ACRES, MORE OR LESS, AS DESCRIBED IN THE BRAVO DOME
CARBON DIOXIDE GAS UNIT AGREEMENT APPROVED BY THE NEW MEXICO STATE LAND OFFICE

Carroll NE 1/4 NW 1/4 Sec 21
N 1/2 NW 1/4 S 1/2 Sec 27
SW 1/4 Sec 28

OWNER NUMBER	NAME AND ADDRESS	PAY/HOLD CODE	INTEREST DESC TYPE	DESC	OIL	GAS	COND	CSGHD	OTHER
00010	AMERADA HESS CORPORATION P O BOX 2040 HOUSTON, TX 77252-2040 TAX IDENTIFICATION: 134921002	80	ELM	11	WT	0.0000000	0.0000000	0.0000000	0.7500000
10421	PUBLIC LANDS ROYALTY TRUST TOM R BOSTON ROBERT P CRESO DON D DOWDLE FRED BENNERS & OLIVER H DANIELS TRUSTEES P O BOX 7127 DALLAS, TX 75209 TAX IDENTIFICATION: 756258613	30	PAY	62	OI	0.0000000	0.0000000	0.0000000	0.1000000
10422	GEORGE L SCOTT 648 PETROLEUM BLDG ROSWELL, NM 88201 TAX IDENTIFICATION: 447346817	30	PAY	62	OI	0.0000000	0.0000000	0.0000000	0.0250000
89599	ROYALTY MANAGEMENT PROGRAM PAYOR CODE 10631 GAS-CHG MINERALS MANAGEMENT SERVICE BOX 5810 T A DENVER, CO 80217-5810 TAX IDENTIFICATION: 840848646	30	PAY	24	RI	0.0000000	0.0000000	0.0000000	0.1250000

100%

*** THIS INFORMATION IS BEING PROVIDED TO YOU AS AN ACCOMMODATION ONLY. AMERADA HESS CORPORATION MAKES NO WARRANTY
*** OR REPRESENTATION AS TO THE ACCURACY OR CORRECTNESS OF THIS INFORMATION, AND PARTIES RELYING ON SUCH INFORMATION
*** DO SO AT THEIR OWN RISK AND WITHOUT RECOURSE AGAINST AMERADA HESS CORPORATION, OR ANY OF ITS AGENTS OR EMPLOYEES. ***

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01516 BRAVO DOME CO2 GS UT TR 00173B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	10/01/1997	10829 00	RI 1		0.00347220	1		01
		DEVERS, CLOYD W						
2	10/01/1997	10830 00	RI 1		0.00347220	1		01
		DEVERS, DALE						
3	11/01/1980	121405 00	RI 1		0.00104170	1		01
		BANKS, SHEILA ANN						
4	11/01/1980	121406 00	RI 1		0.00104160	1		01
		DEVERS, JOHN GARRETT						
5	11/01/1980	121407 00	RI 1		0.00104170	1		01
		MEIER, JESSIE DEE						
6	11/01/1980	121408 00	RI 1		0.00104160	1		01
		DEVERS, MICHAEL WAYNE						
		TOTAL GRI/NRI 0.00000000 1.00000000						
1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN			
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL			
TRANSFER								

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01516 BRAVO DOME CO2 GS UT TR 00173B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	121464 00	TAYLOR, KAREN ARLENE	RI 1		0.00104170	1		01
2	11/01/1980	121475 00	DEVERS, JESSIE MAE	RI 1		0.00173610	1		01
3	08/01/1997	142660 00	KILGORE, LARRY	RI 1		0.00086805	2	06	01
4	11/01/1980	142661 00	GERBI, SHERRY	RI 1		0.00086805	1		01
5	11/01/1980	204416 00	DEVERS, A E, JR	RI 1		0.00694440	1		01
6	11/01/1980	204421 00	DEVERS, CLYDE E	RI 1		0.00694450	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01516 BRAVO DOME CO2 GS UT TR 00173B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	204423 00	RI 1		0.00694440	1		01
		JOHNSON, PAULINE WEBB						
2	11/01/1980	206421 00	RI 1		0.00173610	1		01
		GRIFFIN, BERNARD E						
3	11/01/1980	206422 00	RI 1		0.00173610	1		01
		GRIFFIN, BYRL						
4	11/01/1980	206423 00	RI 1		0.00173610	1		01
		KERN, LEORA						
5	11/01/1980	257133 00	RI 1		0.00347230	1		01
		HALL, ELAINE						
6	11/01/1980	257134 00	RI 1		0.00347220	1		01
		DEVERS, DON						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01516 BRAVO DOME CO2 GS UT TR 00173B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	273057 00	RI 1			0.00781250	1		01
		COPELAND, GEORGE C, TRUST A							
2	11/01/1980	449313 00	RI 1			0.05468750	1		01
		POLIZZI, IMOGENE COLLINS							
3	11/01/1980	547054 00	RI 1			0.00781250	1		01
		COPELAND, W N, AND							
4	11/01/1980	617000 00	WI 1			0.86718750	1		
		AMOCO PRODUCTION COMPANY							
5	11/01/1980	937713 00	RI 1			0.00694450	1		01
		DEVERS, GARLAND L							
6	11/01/1980	937713 00	RI 2			0.00694450	1		01
		DEVERS, GARLAND L							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL

TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02984 BRAVO DOME CO2 GS UT TR 00173C

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	12/01/1990	125449 00	UK	1		0.50000000	1		02
		UNLEASED INTEREST BRAVO DOME ONLY							
2	12/01/1990	258012 00	WI	1		0.00000000	8		
		CAULK, D N, ESTATE							
3	11/01/1980	449313 00	RI	1		0.06250000	1		01
		POLIZZI, IMOGENE COLLINS							
4	11/01/1980	617000 00	WI	1		0.43750000	1		
		AMOCO PRODUCTION COMPANY							
5	12/01/1990	913766 00	WI	1		0.00000000	8		
		JOMOCO INC							
6	12/01/1990	927796 00	WI	1		0.00000000	8		
		SOUTH DAKOTA ROYALTY FUND INC							
		TOTAL GRI/NRI 0.00000000 1.00000000							
1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN				
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL				
						TRANSFER _____			

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02984 BRAVO DOME CO2 GS UT TR 00173C

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	12/01/1990	942009 00	WI 1		0.00000000	8		
		D S C M INC						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02986 BRAVO DOME CO2 GS UT TR 00176C

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	125449 00	UNLEASED INTEREST	UK 1		0.50000000	1		02
			BRAVO DOME ONLY						
2	11/01/1980	273057 00	COPELAND, GEORGE C, TRUST A	RI 1		0.00781250	1		01
3	11/01/1980	274591 00	COPELAND, MARY ALICE	RI 1		0.00781250	1		01
4	11/01/1980	449313 00	POLIZZI, IMOGENE COLLINS	RI 1		0.04687500	1		01
5	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.43750000	1		

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02987 BRAVO DOME CO2 GS UT TR 00176D

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	125449 00	UK 1		0.50000000	1		02
		UNLEASED INTEREST BRAVO DOME ONLY						
2	11/01/1980	273057 00	RI 1		0.02343750	1		01
		COPELAND, GEORGE C, TRUST A						
3	11/01/1980	382803 00	RI 1		0.00781250	1		01
		COPELAND, W N						
4	11/01/1980	449313 00	RI 1		0.03125000	1		01
		POLIZZI, IMOGENE COLLINS						
5	11/01/1980	617000 00	WI 1		0.43750000	1		
		AMOCO PRODUCTION COMPANY						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02985 BRAVO DOME CO2 GS UT TR 00176B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY	SO	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	125449 00	UNLEASED INTEREST	UK	1		0.50000000	1		02
			BRAVO DOME ONLY							
2	11/01/1980	273057 00	COPELAND, GEORGE C,	RI	1		0.02343750	1		01
			TRUST A							
3	11/01/1980	382803 00	COPELAND, W N	RI	1		0.00781250	1		01
4	11/01/1980	449313 00	POLIZZI, IMOGENE COLLINS	RI	1		0.03125000	1		01
5	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI	1		0.43750000	1		

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S

DOLO310

DOI OWNERSHIP BROWSE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02483 BRAVO DOME CO2 GS UT TR 00846A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	01/01/1995	150219 00	RI 1		0.01375000	8		01
		SHELL LAND AND ENERGY COMPANY						
2	01/01/1995	150219 00	RI 2		0.06250000	8		01
		SHELL LAND AND ENERGY COMPANY						
3	01/01/1995	150219 00	WI 1		0.42375000	8		
		SHELL LAND AND ENERGY COMPANY						
4	11/01/1980	600411 81	RI 1		0.12500000	8		02
		AMERADA HESS CORPORATION						
5	11/01/1980	600411 81	WI 1		0.37500000	8		
		AMERADA HESS CORPORATION						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

DIVISION OF INTEREST

TR00846A

97600 (1/80)

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME			OPERATOR		DATE	PAGE
3-34625-254		BRAVO DOME			AMOCO PRODUCTION CO.		2/19/98	1
PROPERTY NAME					COUNTY		STATE	
BRAVO DOME CO2 INTR FIN					HARDING		NM.	
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS		PRODUCT	DECIMAL	
ALLTUQ00	S0010220	00	PP	STEPHANIE W ALLEN 1040 COLUMBIA NE ALBUQUERQUE, NM 87106 IRS-Social Security No. [REDACTED]		GAS	.0034385	
ARMYUM00	10010220	00	OR	C. C. WHITTENBURG ARMSTRONG COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]		GAS	.0001375	
BENE7U00	S0010220	00	PP	FRED BENNERS 3104 FAIRMOUNT DALLAS, TX 75201 IRS-Social Security No. [REDACTED]		GAS	.0014625	
BON11X00	S0010220	00	PP	JAMES HERBERT BOND SUITE 2810, TOWER II 325 N. ST PAUL DALLAS, TX 75201 IRS-Social Security No. [REDACTED]		GAS	.0014029	
BOS2ST00	S0010220	00	PP	JAMES R. BOSTON 1201 QUEENSPARK TYLER, TX 75703 IRS-Social Security No. [REDACTED]		GAS	.0018237	
BRAVO9DK	10030110	00	AI	BRAVO DOME CARBON DIOXIDE UNIT ADDRESS UNKNOWN		GAS	.5000000	
BRO2DU00	S0010220	00	PP	JANE BROWNING SUITE 1410, LB 42 8080 N. CENTRAL EXPRESSWAY DALLAS, TX 75206-1806 IRS-Social Security No. [REDACTED]		GAS	.0054169	
BUE17600	10010220	00	OR	SEALY H. CAVIN, JR., TRUSTEE OF THE BUEYEROS TRUST 648 PETROLEUM BUILDING ROSWELL, NM 88201 IRS-Employer ID No. [REDACTED]		GAS	.0050000	
CLE1A000	S0010220	00	PP	CYNTHIA C. CLENDENEN 9836 HATHAWAY DALLAS, TX 75220 IRS-Social Security No. [REDACTED]		GAS	.0010976	

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

67600 (1/88)

PROPERTY NO.		FIELD NAME				OPERATOR		DATE		PAGE	
3-34625-254		BRAVO DOME				AMOCO PRODUCTION CO.		2/19/98		2	
PROPERTY NAME						COUNTY			STATE		
BRAVO DOME CO2 INTR FIN						HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL		
CRD6S000	S0010220	00	PP	CRDF, LTD P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. 75-2530234			GAS		.0136000		
CREDDI00	S0010220	00	PP	FLORENCE CRESON REGAN 4117 WHIPPOORWILL LANE PLANO, TX 75093-6050 IRS-Social Security No. [REDACTED]			GAS		.0010976		
CREG7000	S0010220	00	PP	DON E. WILLIAMS, TRUSTEE CRESON GRANDCHILDRENS TRUST P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]			GAS		.0048486		
CRETDT00	S0010220	00	PP	ROBERT P. CRESON, III 5626 PRESTON OAKS DRIVE, #6B DALLAS, TX 75240 IRS-Social Security No. [REDACTED]			GAS		.0010976		
CRE27000	S0010220	00	PP	DAISY CAROLE CRESON 4432 EDMONDSON DALLAS, TX 75205 IRS-Social Security No. [REDACTED]			GAS		.0010976		
DAVYS700	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF LESLIE W DAVIES TR UWO LEWIS G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]			GAS		.0015786		
FIRBAI00	S0010220	00	PP	RUSSELL A. FIRESTONE, JR. 5106 SPRING MEADOW DALLAS, TX 75229 IRS-Social Security No. [REDACTED]			GAS		.0003095		
HEU1PB00	S0010220	00	PP	HARRY B. HEUTEL 3918 HARRY HINES BOULEVARD SUITE 206 DALLAS, TX 75219 IRS-Social Security No. [REDACTED]			GAS		.0001981		
LAD2AB01	S0010220	00	PP	DOROTHY LADUE TRUST 7306 MIMOSA LANE DALLAS, TX 75230 IRS-Social Security No. [REDACTED]			GAS		.0041789		

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

97500 (1/08)

PROPERTY NO.		FIELD NAME			OPERATOR		DATE		PAGE	
3-34625-254		BRAVO DOME			AMOCO PRODUCTION CO.		2/19/98		3	
PROPERTY NAME					COUNTY			STATE		
BRAVO DOME CO2 INTR FIN					HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL	
LARDDE00	S0010220	00	PP	SARAH C. LARROCA 5715 OVER DOWNS DALLAS, TX 75230 IRS-Social Security No. [REDACTED]			GAS		.0028709	
LATWBM00	10010220	00	OR	JEANNE W. LATIMER 1750 NATIONSBANK PLAZA 300 CONVENT ST. SAN ANTONIO, TX 78205 IRS-Social Security No. [REDACTED]			GAS		.0001375	
LESBBP00	10010220	00	OR	LESOM, INC. COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Employer ID No. [REDACTED]			GAS		.0001375	
OLIBDM00	S0010220	00	PP	BROWN BROTHERS HARRIMAN TR. CO TRSTE-AGNES CLUTHE OLIVER TR. 2001 ROSS AVENUE, STE. 1150 DALLAS, TX 75201 IRS-Social Security No. [REDACTED]			GAS		.0076754	
OLIPPP00	S0010220	00	PP	WILLIAM B. OLIVER RESIDUARY TR BROWN BROTHERS HARRIMAN TRUST COMPANY OF TEXAS SUCCESSOR TRUSTEE 2001 ROSS AVENUE, SUITE 1150 DALLAS, TX 75201 IRS-Employer ID No. [REDACTED]			GAS		.0076753	
PECUYI00	S0010220	00	PP	PECOS RESOURCES CORPORATION P O BOX 8217 DALLAS, TX 75205 IRS-Employer ID No. [REDACTED]			GAS		.0013930	
PEC06600	10010220	00	OR	ROBERT P. CRESO, DON MICHAEL DOWDLE, DON E. WILLIAMS & OLIVER H. DANIEL, TRUSTEES FOR PECOS SLOPE ROYALTY TRUST P. O. BOX 7127 DALLAS, TX 75209 IRS-Employer ID No. [REDACTED]			GAS		.0060000	
PERC3300	S0010220	00	PP	JOHN A PERKINS 4709 WATAUGA ROAD DALLAS, TX 75209 IRS-Social Security No. [REDACTED]			GAS		.0083577	

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

97500 (1/88)

PROPERTY NO.		FIELD NAME			OPERATOR		DATE		PAGE	
3-34625-254		BRAVO DOME			AMOCO PRODUCTION CO.		2/19/98		4	
PROPERTY NAME					COUNTY			STATE		
BRAVO DOME CO2 INTR FIN					HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL	
RED7TQ00	10010220	00	OR	ELIZABETH W. REDWINE COBLE BLDG. 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]			GAS		.0001375	
RICC92DK	10030220	00	RI	RONALD DEAN RICE AND JOY RICE DELIVER-IN-KIND ADDRESS UNKNOWN IRS-Social Security No. [REDACTED]			GAS		.0156250	
ROAUH700	S0010220	00	PP	DIANA W ROACH 701 NORTHERN BLVD RIO RANCHO, NM 87124 IRS-Social Security No. [REDACTED]			GAS		.0034384	
SUMG7T00	S0010220	00	PP	JOSEPH C. SUMNER 2703 PARADISE STREET VERNON, TX 76384 IRS-Social Security No. [REDACTED]			GAS		.0046894	
SWAIPZ00	S0010220	00	PP	CLYDE SWALWELL SUITE 204B 5327 N. CENTRAL EXPRESSWAY DALLAS, TX 75205 IRS-Social Security No. [REDACTED]			GAS		.0013930	
TAYOMP00	S0010220	00	PP	SECURITY STATE BANK A/C DUDLEY DAVIS TAYLOR P. O. BOX 180 ELYSIAN FIELDS, TX 75642 IRS-Social Security No. [REDACTED]			GAS		.0013930	
VAN46KDK	10030220	00	RI	FRED S. VANDERBURG, TRUSTEE UNDER TESTAMENTARY TRUST OF DARLEEN VANDERBURG, DECEASED DELIVER-IN-KIND ADDRESS UNKNOWN IRS-Employer ID No. [REDACTED]			GAS		.0156250	
VAN46PDK	10030220	00	RI	FRED S. VANDERBURG, SR. DELIVER-IN-KIND ADDRESS UNKNOWN IRS-Social Security No. [REDACTED]			GAS		.0156250	
VAN46QDK	10030220	00	RI	FRED S. VANDERBURG, JR. AND SANDRA KAY VANDERBURG DELIVER-IN-KIND ADDRESS UNKNOWN			GAS		.0156250	

DIVISION OF INTEREST

07500 (1/88)

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME			OPERATOR		DATE	PAGE
3-34625-254		BRAVO DOME			AMOCO PRODUCTION CO.		2/19/98	5
PROPERTY NAME					COUNTY		STATE	
BRAVO DOME CO2 INTR FIN					HARDING		NM.	
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS		PRODUCT	DECIMAL	
WEEEYP00	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF L AUSTIN WEEKS TR UWO LEWIS G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]		GAS	.0015785	
WEETNU00	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF ART 8 WEEKS FMLY TR UWO L G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]		GAS	.0015786	
WEE17T00	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF MARTA S WEEKS TR UWO LEWIS G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]		GAS	.0015786	
WEE27P00	S0010220	00	PP	THE CITIBANK PRIVATE BANK & L AUSTIN WEEKS, TRES OF KERMIT A WEEKS TR UWO LEWIS G WEEKS PBID OIL & GAS UNIT 153 E53RD ST, 5TH FL ZONE 1 NEW YORK, NY 10043 IRS-Employer ID No. [REDACTED]		GAS	.0015785	
WELH2800	10010220	00	OR	JOE B. WELLS AND BRENDA WELLS P. O. BOX 15308 AMARILLO, TX 79105 IRS-Social Security No. [REDACTED]		GAS	.0013750	
WELKDL00	S0010220	00	PP	WELLS RESOURCES, INC. P O BOX 1405 BOCA GRANDE, FL 33921 IRS-Employer ID No. [REDACTED]		GAS	.0013929	
WHIMBE00	10010220	00	OR	J. A. WHITTENBURG, IV SUITE 100-B-160 3878 OAKLAWN AVENUE DALLAS, TX 75219 IRS-Social Security No. [REDACTED]		GAS	.0001375	

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

7600 (1/89)

PROPERTY NO.		FIELD NAME		OPERATOR		DATE	PAGE
3-34625-254		BRAVO DOME		AMOCO PRODUCTION CO.		2/19/98	6
PROPERTY NAME				COUNTY		STATE	
BRAVO DOME CO2 INTR FIN				HARDING		NM.	
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS	PRODUCT	DECIMAL	
WHIV7W00	10010220	00	OR	J.A. WHITTENBURG, III, AND JEANNE P. WHITTENBURG COBLE BUILDING 620 SOUTH TAYLOR AMARILLO, TX 79101 IRS-Social Security No. [REDACTED]	GAS	.0006875	
9SLEC000	10030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No [REDACTED]	GAS	.0762500	
9SLEC000	S0030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]	GAS	.0892418	
9SLEC1DK	10030110	00	WI	SHELL LAND & ENERGY CO. DELIVER-IN-KIND CITY UNKNOWN, TX IRS-Employer ID No. [REDACTED]	GAS	.3345082	
* * TOTALS FOR - 3-34625-254 * *							
				Oil	-	.0000000	
				Conditioned Oil	-	.0000000	
				Gas	-	1.0000000	
				Conditioned Gas	-	.0000000	

AMERADA HESS CORPORATION
DIVISION ORDER OWNERSHIP
LIVE DIVISION ORDER OWNERSHIP BY PROPERTY

PROPERTY-TRACT: 06410-0846 A BRAVO DOME CARBON DIOXIDE GU TRACT FACTOR: 0.0033353

STATE: NEW MEXICO
COUNTY: UNION

DESCRIPTION: LOTS 1, 2, 3, 4, SW/4 NE/4, W/2 SE/4, S/2 NW/4, SW/4
SECTION 3-T18N-R34E AND LOTS 3, 4, S/2 NW/4, S/2 SECTION 4-T18N-R34E AND SE/4
SECTION 5-T18N-R34E, UNIT CONSISTS OF 910,196.37 ACRES, MORE OR LESS

*also
Carbon*
N/2 sec 8
N/2 sec 9
N/2 sec 10

OWNER
NUMBER NAME AND ADDRESS PAY/HOLD CODE DESC INTEREST TYPE DESC OIL GAS COND

*W/4
CSGHD
OTHER*

*E/2 SW/4 & S/2 SE/4
sec 11, all 18N-34E
and S/2 sec 33
19N-34E*

00010 AMERADA HESS CORPORATION
P O BOX 2040
HOUSTON, TX 77252-2040
TAX IDENTIFICATION: [REDACTED]

10421 PUBLIC LANDS ROYALTY TRUST
TOM R BOSTON ROBERT P CRESO
DON D DOWDLE FRED BENNERS &
OLIVER H DANIELS TRUSTEES
P O BOX 7127
DALLAS, TX 75209
TAX IDENTIFICATION: [REDACTED]

10422 GEORGE L SCOTT
648 PETROLEUM BLDG
ROSWELL, NM 88201
TAX IDENTIFICATION: [REDACTED]

10601 EAST TEXAS STATE UNIVERSITY
FOUNDATION INC
LARRY GODDARD
P O BOX 3425 ET STATION
COMMERCE, TX 75428
TAX IDENTIFICATION: [REDACTED]

99997 TO BALANCE
ADDRESS UNKNOWN

30	PAY	62	OI	0.0000000	0.0000000	0.0000000	0.0000000	0.0125000
30	PAY	22	RI	0.0000000	0.0000000	0.0000000	0.0000000	0.0625000
90	ELM	12	WI	0.0000000	0.0000000	0.0000000	0.0000000	0.5000000

*5000000
Distributing
on 50%*

TAX IDENTIFICATION: 000000000

*** THIS INFORMATION IS BEING PROVIDED TO YOU AS AN ACCOMMODATION ONLY. AMERADA HESS CORPORATION MAKES NO WARRANTY
*** OR REPRESENTATION AS TO THE ACCURACY OR CORRECTNESS OF THIS INFORMATION, AND PARTIES RELYING ON SUCH INFORMATION
*** DO SO AT THEIR OWN RISK AND WITHOUT RECOURSE AGAINST AMERADA HESS CORPORATION, OR ANY OF ITS AGENTS OR EMPLOYEES. ***

***** END OF REPORT *****

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Form C-101

Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-059-20369
⁴ Property Code 000335	⁵ Property Name BDCDGU 1934	⁶ Well No. 342

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 Union
E	34	19N	34E		1775	North	828	West	Union

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

Bravo Dome Carbon Dioxide Gas 96010

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4824
-----------------------------------	-----------------------------------	---------------------------------	------------------------------------	--

¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98
------------------------------	--------------------------------------	---------------------------------	---	-------------------------------------

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	14# STEELG	2450	270	SURFACE

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature:

D. J. Holcomb

Printed name: Danny J Holcomb

Title: Field Team Leader

Date:

2-11-98

Phone: (505)374-3010

OIL CONSERVATION DIVISION

Approved by

[Signature]

Title:

Approval Date: 3/2/98

Expiration Date: 3/2/99

Conditions of Approval:
Attached ☐



Amoco Exploration and Production
Amoco Energy Group, North America

JK

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

Yours truly,

1998 Drilling Program - Road Map

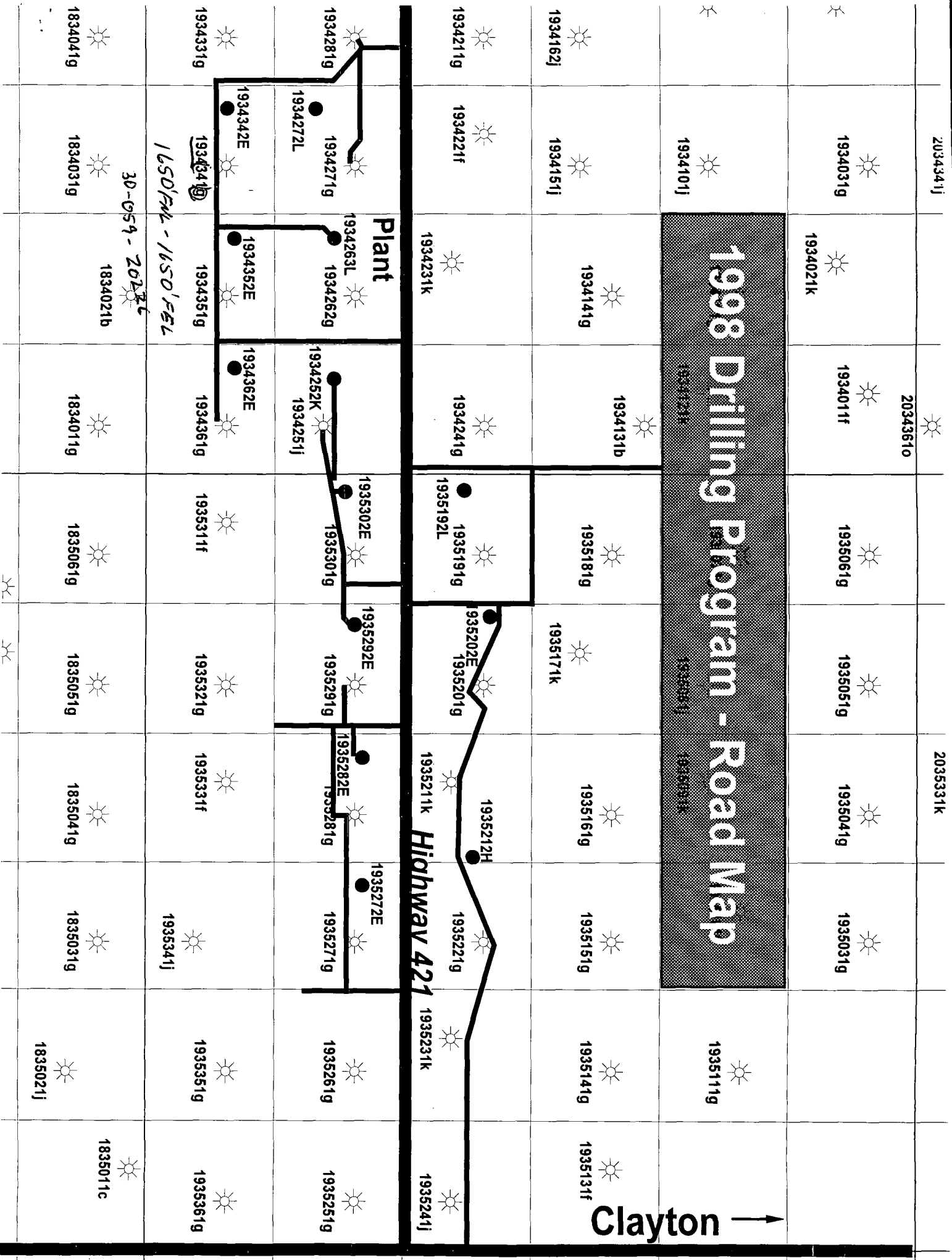
Clayton →

Highway 421

Plant

1650' NW - 1650' EEL

30-059-2022



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All

(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2

(APC 1.0)

Tr 00947 /02615 - S/2N/2

(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2

(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2

(APC 1.0)

Tr 00172H /01687 - S/2

(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4

(APC 1.0)

Tr 00864B /02522 - E/2NW/4

(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4

(APC 1.0)

Tr 00021 /01210 - NE/4

(APC 1.0)

Tr 00948 /02616 - SW/4

(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4

(Amerada 1.0)

Tr F0013C /00063 - S/2S/2

(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4

(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4

(APC .5 & .5*)

TR 00846A /02483 - S/2

(Amerada .5, SWEPI .5)

Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)

Sec 28 - (See Well 193427-2L above)

Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2

(APC 1.0)

TR 00023 /01212 - Lots 3,4, E/2SW/4

(APC 1.0)

T19N,R34E

Sec 24 - TR 00067 /01283 - N/2N/2

(APC 1.0)

TR 00009 /01185 - SW/4

(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4

(APC .9375, SWEPI .0625)

Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4

(Amerada 1.0)

TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4

(APC 1.0)

TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4

(APC 1.0)

Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2

(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)
Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)
Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)
Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)
Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)
T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505



Form C-101

Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-059-20370
⁴ Property Code 000335	⁵ Property Name BDCDGU 1934	⁶ Well No. 352

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 Union
E	35	19N	34E		1650	North	994	West	Union

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
		P							

⁹ Proposed Pool 1

Bravo Dome Carbon Dioxide Gas 96010

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4760
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBE	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

²¹ Proposed Casing and Cement Program

Well Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4	8 5/8	24#/STEEL	700	400	SURFACE
7 7/8	5 1/2	14# STEELG	2450	270	SURFACE

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature:

Printed name: Danny J Holcomb

Title: Field Team Leader

Date:

2-12-98

Phone: (505) 374-3010

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: 3/2/98

Expiration Date: 3/2/99

Conditions of Approval:
Attached ☐



**Amoco Exploration and Production
Amoco Energy Group, North America**

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

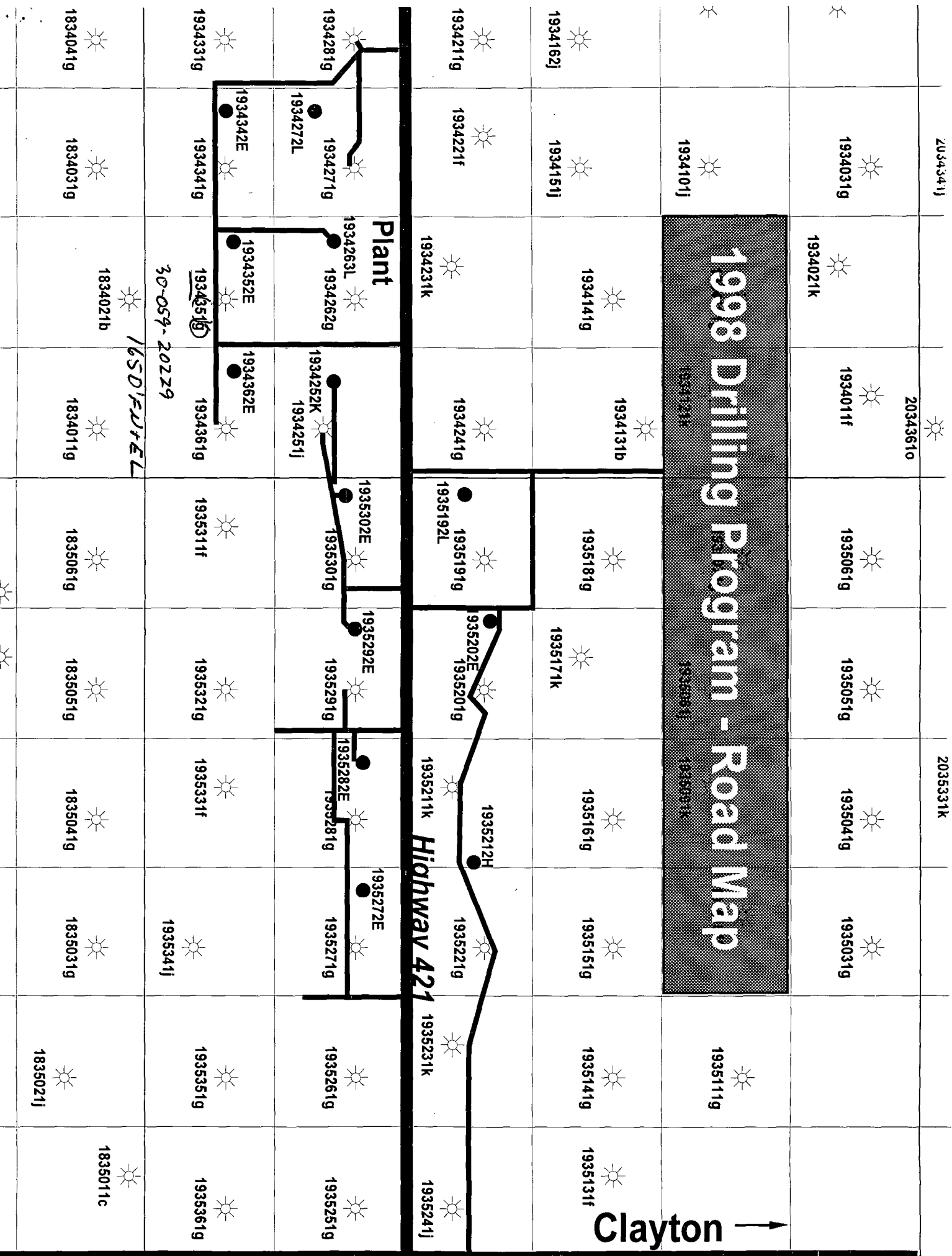
Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

Yours truly,

1998 Drilling Program - Road Map

Clayton →



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All

(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2

(APC 1.0)

Tr 00947 /02615 - S/2N/2

(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2

(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2

(APC 1.0)

Tr 00172H /01687 - S/2

(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4

(APC 1.0)

Tr 00864B /02522 - E/2NW/4

(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4

(APC 1.0)

Tr 00021 /01210 - NE/4

(APC 1.0)

Tr 00948 /02616 - SW/4

(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4

(Amerada 1.0)

Tr F0013C /00063 - S/2S/2

(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4

(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

1934 252 E

TR 00176B /02985 - NE/4
(APC .5 & .5*)
TR 00846A /02483 - S/2
(Amerada .5, SWEPI .5)
Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)
Sec 28 - (See Well 193427-2L above)
Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00023 /01212 - Lots 3,4, E/2SW/4
(APC 1.0)
T19N,R34E
Sec 24 - TR 00067 /01283 - N/2N/2
(APC 1.0)
TR 00009 /01185 - SW/4
(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4
(APC .9375, SWEPI .0625)
Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4
(Amerada 1.0)
TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4
(APC 1.0)
TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4
(APC 1.0)
Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2
(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)
Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)
Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)
Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)
Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)

T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

District I
PO Box 1980, Hobbs, NM 88241-1930
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

5

Form C-101
Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-059-20371
⁴ Property Code 000335	⁵ Property Name BDCDGU 1934	⁶ Well No. 362

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 Union
E	36	19N	34E		1641	North	988	West	Union

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 Bravo Dome Carbon Dioxide Gas 96010					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4716
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

²¹ Proposed Casing and Cement Program					
Well Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4	8 5/8	24#/STEEL	700	400	SURFACE
7 7/8	5 1/2	14# STEELG	2450	270	SURFACE

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>DJ Holcomb</i>		OIL CONSERVATION DIVISION	
Printed name: Danny J Holcomb		Approved by: <i>[Signature]</i>	
Title: Field Team Leader		Title:	
Date: 2-11-98		Approval Date: 3/2/98	Expiration Date: 3/2/99
Phone: (505) 374-3010		Conditions of Approval: Attached ☐	



**Amoco Exploration and Production
Amoco Energy Group, North America**

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

OK

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

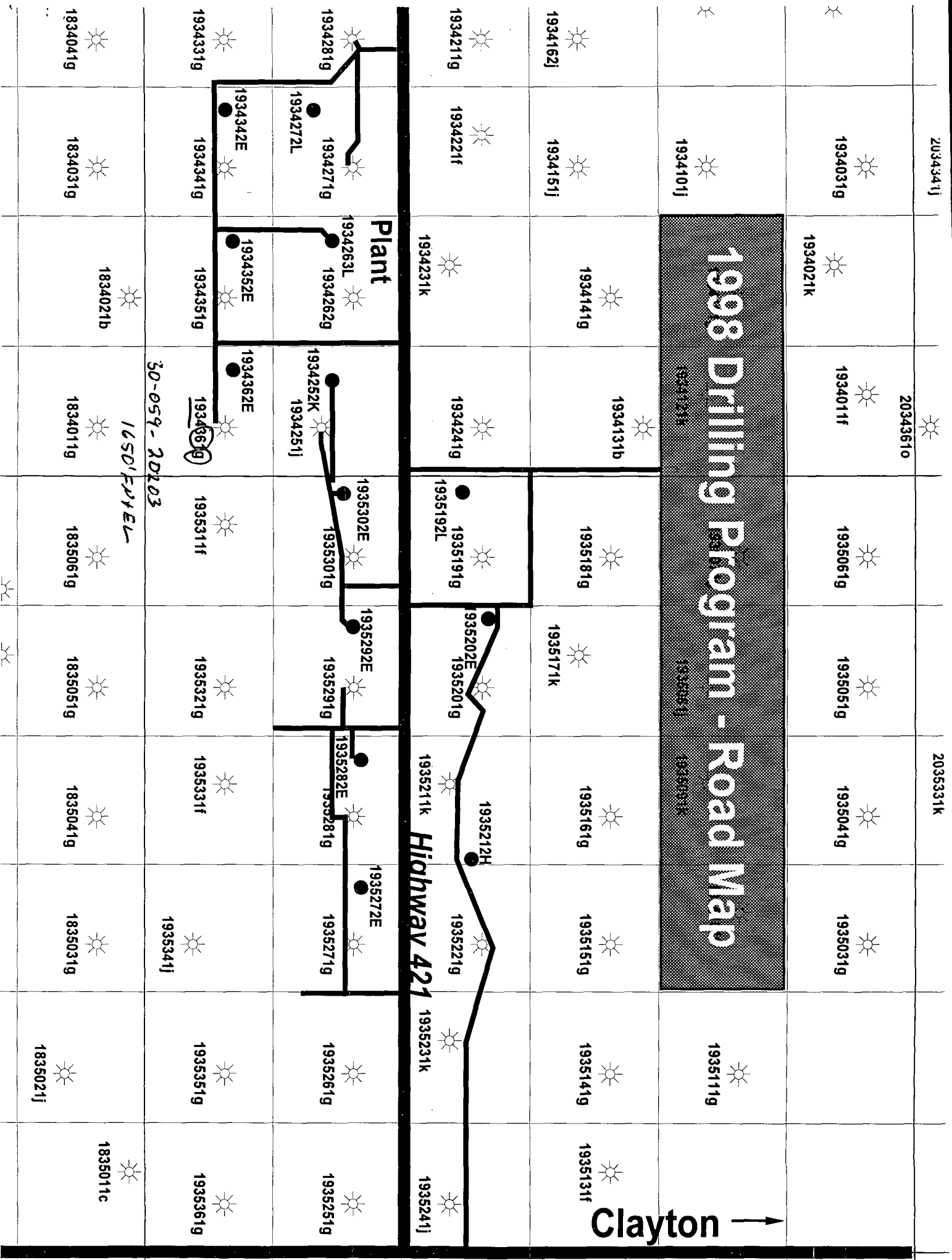
Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

Yours truly,

1998 Drilling Program - Road Map

Clayton →



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All

(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2

(APC 1.0)

Tr 00947 /02615 - S/2N/2

(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2

(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2

(APC 1.0)

Tr 00172H /01687 - S/2

(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4

(APC 1.0)

Tr 00864B /02522 - E/2NW/4

(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4

(APC 1.0)

Tr 00021 /01210 - NE/4

(APC 1.0)

Tr 00948 /02616 - SW/4

(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4

(Amerada 1.0)

Tr F0013C /00063 - S/2S/2

(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4

(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4
(APC .5 & .5*)
TR 00846A /02483 - S/2
(Amerada .5, SWEPI .5)
Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)
Sec 28 - (See Well 193427-2L above)
Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00023 /01212 - Lots 3,4, E/2SW/4
(APC 1.0)
T19N,R34E
Sec 24 - TR 00067 /01283 - N/2N/2
(APC 1.0)
TR 00009 /01185 - SW/4
(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4
(APC .9375, SWEPI .0625)
Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4
(Amerada 1.0)
TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4
(APC 1.0)
TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4
(APC 1.0)
Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2
(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)
Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)
Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)
Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)
Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)

T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02615 BRAVO DOME CO2 GS UT TR 00947

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	01/01/1995	150219 00	SHELL LAND AND ENERGY COMPANY	RT 1		0.06250000	8		01
2	01/01/1995	150219 00	SHELL LAND AND ENERGY COMPANY	WI 1		0.43750000	8		
3	11/01/1980	205722 00	LIBBY, JUANITA	RT 1		0.00625000	1		02
4	11/01/1980	330041 00	AVERSA, MARIE	RT 1		0.00625000	1		02
5	02/01/1995	330064 00	BOLZ, JAMES D AND VICKIE	RT 1		0.01666667	1		02
6	02/01/1995	330065 00	BOLZ, THOMAS M	RT 1		0.01666667	1		02

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 02615 BRAVO DOME CO2 GS UT TR 00947

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	02/01/1995	485836 00	RI 1		0.01041666	1		02
		BOLZ, WILLIAM G, JR						
2	11/01/1980	617000 00	WI 1		0.43750000	1		
		AMOCO PRODUCTION COMPANY						
3	10/01/1997	930008 00	RI 1		0.00208333	1		02
		RITTER, PEGGY						
4	10/01/1997	939405 00	RI 1		0.00208333	1		02
		MAYTUM, WAYNE						
5	10/01/1997	939406 00	RI 1		0.00208334	1		02
		MAYTUM, LAWRENCE						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

DIVISION OF INTEREST

TR00947

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME			OPERATOR		DATE		PAGE		
3-34625-301		BRAVO DOME			AMOCO PRODUCTION CO.		2/02/98		1		
PROPERTY NAME					COUNTY			STATE			
BRAVO DOME CO2 INTR FIN					HARDING			NM.			
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL		
BRAVO9DK	10030110	00	AI	BRAVO DOME CARBON DIOXIDE UNIT ADDRESS UNKNOWN			GAS		.5000000		
ROL10V00	10010220	00	RI	DONALD R. ROLLER P O BOX 306 BROOKLYN, IA 52211 IRS-Social Security No. [REDACTED]			GAS		.0625000		
9SLEC000	10030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]			GAS		.0625000		
9SLEC1DK	10030110	00	WI	SHELL LAND & ENERGY CO. DELIVER-IN-KIND CITY UNKNOWN, TX IRS-Employer ID No. [REDACTED]			GAS		.4375000		
				* * TOTALS FOR - 3-34625-301 * *							
				Oil - .0000000							
				Conditioned Oil - .0000000							
				Gas - 1.0000000							
				Conditioned Gas - .0000000							

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01282 BRAVO DOME CO2 GS UT TR 00066

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	01/01/1995	150219 00	SHELL LAND AND ENERGY COMPANY	RI 1		0.01041670	8		01
2	01/01/1995	150219 00	SHELL LAND AND ENERGY COMPANY	WI 1		0.05208330	8		
3	11/01/1980	343769 00	KIMBER, MARY MARGUERITE	RI 1		0.11718750	1		02
4	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.82031250	1		

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

TR 00066

PROPERTY NO.		FIELD NAME			OPERATOR		DATE	PAGE
3-34625-033		BRAVO DOME			AMOCO PRODUCTION CO.		2/02/98	1
PROPERTY NAME					COUNTY		STATE	
BRAVO DOME CO2 INTR FIN					HARDING		NM.	
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS		PRODUCT	DECIMAL	
AME32B00	10090220	00	RI	AMERICAN NAT'L INSURANCE CO REAL ESTATE DIVISION ONE MOODY PLAZA GALVESTON, TX 77550 IRS-Employer ID No. 74-0484030		GAS	.0833333	
BOW12400	S0060220	00	PP	GEORGE DONALD BOWIE, III 5442 FAIRMONT CIRCLE AUSTIN, TX 78745 IRS-Social Security No. [REDACTED]		GAS	.0044625	
BOW12500	S0060220	00	PP	WALTER FRANKLIN BOWIE 3825 W. 4TH FT. WORTH, TX 76107 IRS-Social Security No. [REDACTED]		GAS	.0044625	
BOY49900	S0060220	00	PP	J. T. BOYETT ROUTE 2 CHEYENNE, OK 73628 IRS-Social Security No. [REDACTED]		GAS	.0014875	
BRAVO9DK	10030110	00	AI	BRAVO DOME CARBON DIOXIDE UNIT ADDRESS UNKNOWN		GAS	.5000000	
HARL6E00	S0060220	00	PP	DENNIS HARRIS BOX 266 PERRYTON, TX 79070-0226 IRS-Social Security No. [REDACTED]		GAS	.0014875	
JARKVZ00	S0060220	00	PP	EUNICE JARMILLO 7708 SANTA ISABEL ALBUQUERQUE, NM 87120 IRS-Social Security No. [REDACTED]		GAS	.0001240	
MAC41H00	S0060220	00	PP	DONALD RAY MACH 9710 CROOKED WOOD LN. HOUSTON, TX 77086 IRS-Social Security No. [REDACTED]		GAS	.0014875	
MCCL8400	S0060220	00	PP	GRADY MC CORMACK 5826 BIRCHMONT HOUSTON, TX 77092 IRS-Social Security No. [REDACTED]		GAS	.0029750	
MEDBPU00	S0060220	00	PP	YOLANDA M. MEDINA 1355 MIRA CT. S.E. RIO RANCHO, NM 87124 IRS-Social Security No. [REDACTED]		GAS	.0001239	

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse to Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.		FIELD NAME			OPERATOR		DATE		PAGE		
3-34625-033		BRAVO DOME			AMOCO PRODUCTION CO.		2/02/98		2		
PROPERTY NAME					COUNTY			STATE			
BRAVO DOME CO2 INTR FIN					HARDING			NM.			
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL		
OWE46F00	S0060220	00	PP	MARION JACK OWENS BOX 1353 ELK CITY, OK 73648 IRS-Social Security No. [REDACTED]			GAS		.0029750		
SAN0PY00	S0060220	00	PP	BERNADINE SANDOVAL 6101 SEQUOIA NW #C-23 ALBUQUERQUE, NM 87120 IRS-Social Security No. [REDACTED]			GAS		.0001240		
9SLEC000	10030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]			GAS		.0833333		
9SLEC000	S0030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]			GAS		.0197094		
9SLEC1DK	10030110	00	WI	SHELL LAND & ENERGY CO. DELIVER-IN-KIND CITY UNKNOWN, TX IRS-Employer ID No. [REDACTED]			GAS		.3969573		
* * TOTALS FOR - 3-34625-033 * *											
				Oil			-		.0000000		
				Conditioned Oil			-		.0000000		
				Gas			-		1.0000000		
				Conditioned Gas			-		.0000000		

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01191 BRAVO DOME CO2 GS UT TR 00011

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	10/01/1995	165307 00	MILLER, MARY EVELYN	RI 1		0.12500000	1		01
2	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

District I:

PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

9

Form C-101

Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Armadillo, NM 88410		² OGRID Number 000778
		³ API Number 30-059-20372
⁴ Property Code 000335	⁵ Property Name BDCDGU 1935	⁶ Well No. 192

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 Union
L	19	19N	35E		2474	South	678	west	Union

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

Bravo Dome Carbon Dioxide Gas 96010

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4658
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	14# STEELG	2450	270	SURFACE

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.
Mud Program-- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature:

D. Holcomb

Printed name: Danny J Holcomb

Title: Field Team Leader

Date:

2-11-98

Phone: (505) 374-3010

OIL CONSERVATION DIVISION

Approved by:

R. E. Johnson

Title:

Approval Date: 3/2/98

Expiration Date: 3/2/99

Conditions of Approval:
Attached ☐



**Amoco Exploration and Production
Amoco Energy Group, North America**

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

ok

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

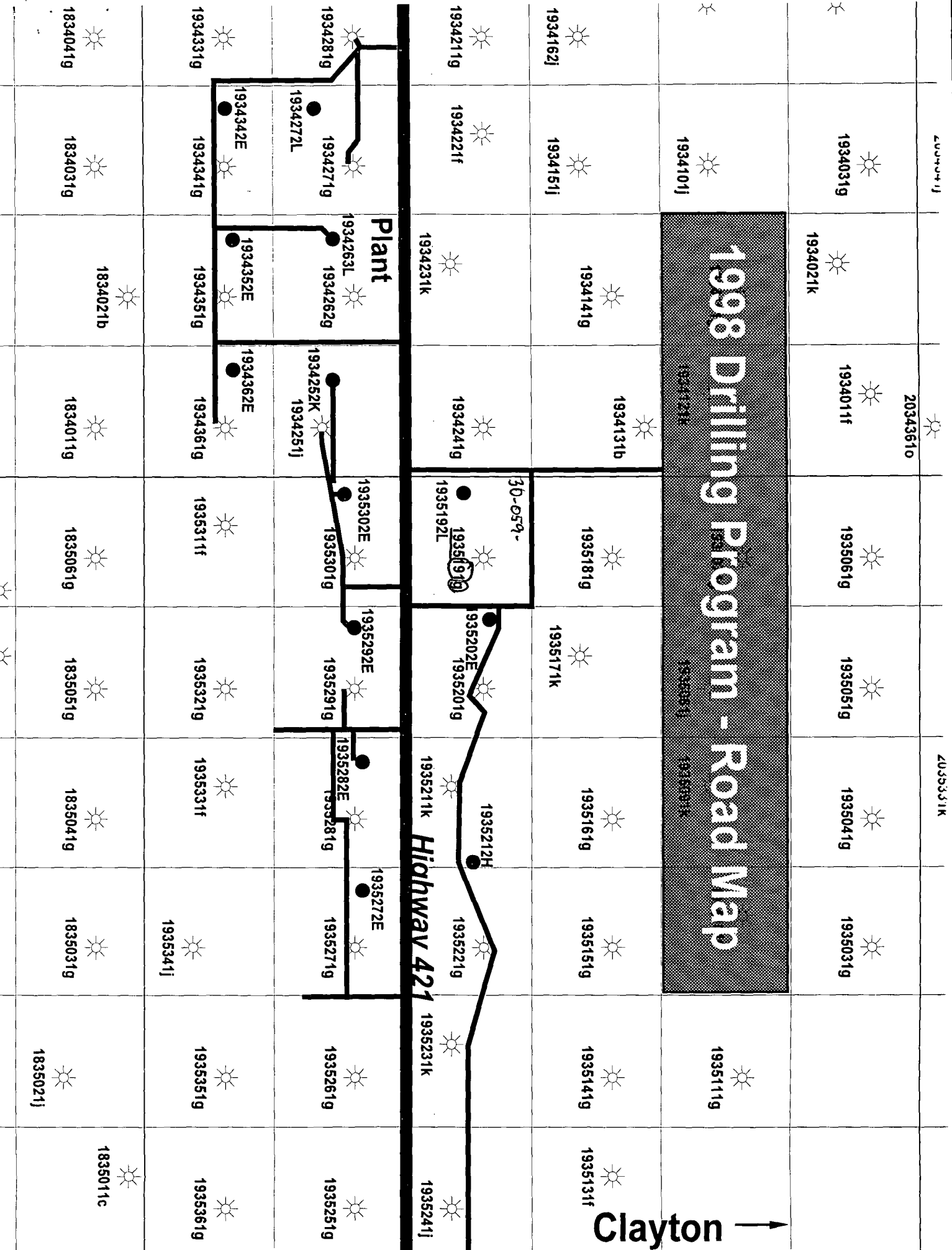
Yours truly,

1998 Drilling Program - Road Map

Clayton →

Highway 421

Plant



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All

(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2

(APC 1.0)

Tr 00947 /02615 - S/2N/2

(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2

(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2

(APC 1.0)

Tr 00172H /01687 - S/2

(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4

(APC 1.0)

Tr 00864B /02522 - E/2NW/4

(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4

(APC 1.0)

Tr 00021 /01210 - NE/4

(APC 1.0)

Tr 00948 /02616 - SW/4

(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4

(Amerada 1.0)

Tr F0013C /00063 - S/2S/2

(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4

(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4

(APC .5 & .5*)

TR 00846A /02483 - S/2

(Amerada .5, SWEPI .5)

Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)

Sec 28 - (See Well 193427-2L above)

Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2

(APC 1.0)

TR 00023 /01212 - Lots 3,4, E/2SW/4

(APC 1.0)

T19N,R34E

Sec 24 - TR 00067 /01283 - N/2N/2

(APC 1.0)

TR 00009 /01185 - SW/4

(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4

(APC .9375, SWEPI .0625)

Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4

(Amerada 1.0)

TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4

(APC 1.0)

TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4

(APC 1.0)

Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2

(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)

Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)

Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)

Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)

Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)

T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01490 BRAVO DOME CO2 GS UT TR 00157

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	102212 00	RI 1		0.02083330	1		01
		MILLER, ENOLA G						
2	11/01/1980	150954 00	RI 1		0.02083330	1		01
		BRYN, LYNN						
3	11/01/1980	330433 00	RI 1		0.02083330	1		01
		MILLER, LOUIS H						
4	11/01/1980	330463 00	RI 1		0.02083340	1		01
		MULLER, CHARLES R						
5	11/01/1980	330464 00	RI 1		0.02083330	1		01
		MULLER, HARVEY J						
6	11/01/1980	617000 00	WI 1		0.87500000	1		

AMOCO PRODUCTION COMPANY

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL

TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01490 BRAVO DOME CO2 GS UT TR 00157

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	912171 00	RI 1		0.02083340	1		01
		JOHNSON, SARAH E						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01212 BRAVO DOME CO2 GS UT TR 00023

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	08/01/1997	165307 00	RI 1		0.12500000	1		01
		MILLER, MARY EVELYN						
2	11/01/1980	617000 00	WI 1		0.87500000	1		
		AMOCO PRODUCTION COMPANY						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01283 BRAVO DOME CO2 GS UT TR 00067

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	330103 00	CALNAN, DAN M, JR	RI 1		0.03125000	1		01
2	11/01/1980	330104 00	CALNAN, DONALD M	RI 1		0.03125000	1		01
3	11/01/1980	343769 00	KIMBER, MARY MARGUERITE	RI 1		0.06250000	1		01
4	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01185 BRAVO DOME C02 GS UT TR 00009

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	330840 00	BLANKENSHIP, DAISY D	UK 1		0.50000000	1		02
2	11/01/1980	421650 00	BLANKENSHIP, G T	RI 1		0.09375000	1		01
3	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.40625000	1		

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01282 BRAVO DOME CO2 GS UT TR 00066

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	01/01/1995	150219 00	SHELL LAND AND ENERGY COMPANY	RI 1		0.01041670	8		01
2	01/01/1995	150219 00	SHELL LAND AND ENERGY COMPANY	WI 1		0.05208330	8		
3	11/01/1980	343769 00	KIMBER, MARY MARGUERITE	RI 1	OK	0.11718750	1		02
4	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.82031250	1		

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
TRANSFER					_____

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

TR 00066

PROPERTY NO.		FIELD NAME			OPERATOR		DATE		PAGE	
3-34625-033		BRAVO DOME			AMOCO PRODUCTION CO.		2/02/98		1	
PROPERTY NAME					COUNTY			STATE		
BRAVO DOME CO2 INTR FIN					HARDING			NM.		
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS			PRODUCT		DECIMAL	
AME32B00	10090220	00	RI	AMERICAN NAT'L INSURANCE CO REAL ESTATE DIVISION ONE MOODY PLAZA GALVESTON, TX 77550 IRS-Employer ID No. [REDACTED]			GAS		.0833333	
BOW12400	S0060220	00	PP	GEORGE DONALD BOWIE, III 5442 FAIRMONT CIRCLE AUSTIN, TX 78745 IRS-Social Security No. [REDACTED]			GAS		.0044625	
BOW12500	S0060220	00	PP	WALTER FRANKLIN BOWIE 3825 W. 4TH FT. WORTH, TX 76107 IRS-Social Security No. [REDACTED]			GAS		.0044625	
BOY49900	S0060220	00	PP	J. T. BOYETT ROUTE 2 CHEYENNE, OK 73628 IRS-Social Security No. [REDACTED]			GAS		.0014875	
BRAVO9DK	10030110	00	AI	BRAVO DOME CARBON DIOXIDE UNIT ADDRESS UNKNOWN			GAS		.5000000	
HARL6E00	S0060220	00	PP	DENNIS HARRIS BOX 266 PERRYTON, TX 79070-0226 IRS-Social Security No. [REDACTED]			GAS		.0014875	
JARKVZ00	S0060220	00	PP	EUNICE JARMILLO 7708 SANTA ISABEL ALBUQUERQUE, NM 87120 IRS-Social Security No. [REDACTED]			GAS		.0001240	
MAC41H00	S0060220	00	PP	DONALD RAY MACH 9710 CROOKED WOOD LN. HOUSTON, TX 77086 IRS-Social Security No. [REDACTED]			GAS		.0014875	
MCCL8400	S0060220	00	PP	GRADY MC CORMACK 5826 BIRCHMONT HOUSTON, TX 77092 IRS-Social Security No. [REDACTED]			GAS		.0029750	
MEDBPU00	S0060220	00	PP	YOLANDA M. MEDINA 1355 MIRA CT. S.E. RIO RANCHO, NM 87124 IRS-Social Security No. [REDACTED]			GAS		.0001239	

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

DIVISION OF INTEREST

COMPANY SHELL LAND AND ENERGY COMPANY

PROPERTY NO.	FIELD NAME			OPERATOR	DATE	PAGE
3-34625-033	BRAVO DOME			AMOCO PRODUCTION CO.	2/02/98	2
PROPERTY NAME				COUNTY	STATE	
BRAVO DOME CO2 INTR FIN				HARDING	NM.	
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS	PRODUCT	DECIMAL
OWE46F00	S0060220	00	PP	MARION JACK OWENS BOX 1353 ELK CITY, OK 73648 IRS-Social Security No. [REDACTED]	GAS	.0029750
SANOPY00	S0060220	00	PP	BERNADINE SANDOVAL 6101 SEQUOIA NW #C-23 ALBUQUERQUE, NM 87120 IRS-Social Security No. [REDACTED]	GAS	.0001240
9SLEC000	10030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]	GAS	.0833333
9SLEC000	S0030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. [REDACTED]	GAS	.0197094
9SLEC1DK	10030110	00	WI	SHELL LAND & ENERGY CO. DELIVER-IN-KIND CITY UNKNOWN, TX IRS-Employer ID No. [REDACTED]	GAS	.3969573
* * TOTALS FOR - 3-34625-033 * *						
				Oil -	.0000000	
				Conditioned Oil -	.0000000	
				Gas -	1.0000000	
				Conditioned Gas -	.0000000	

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

① 35.72			
② 35.76		 30-059-20140 "1935" #191	
③ 35.80		1980' FNTL	
④ 35.84			

35.72

35.76

71.48

35.80

107.28

35.84

143.12

160.00

303.12

320

F-4 623.12

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-059-20373
⁴ Property Code 000335	⁵ Property Name BDCDGU 1935	⁶ Well No. 202

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 Union
E	20	19N	35E		1747	North	518	West	Union

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

Bravo Dome Carbon Dioxide Gas 96010

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4592
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	14# STEELG	2450	270	SURFACE

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature:

D J Holcomb

Printed name: Danny J Holcomb

Title: Field Team Leader

Date:

2-11-98

Phone: (505) 374-3010

OIL CONSERVATION DIVISION

Approved by

Ry E. Johnson

Title:

Approval Date: 3/2/98

Expiration Date: 3/2/99

Conditions of Approval:
Attached ☐



ok

**Amoco Exploration and Production
Amoco Energy Group, North America**

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

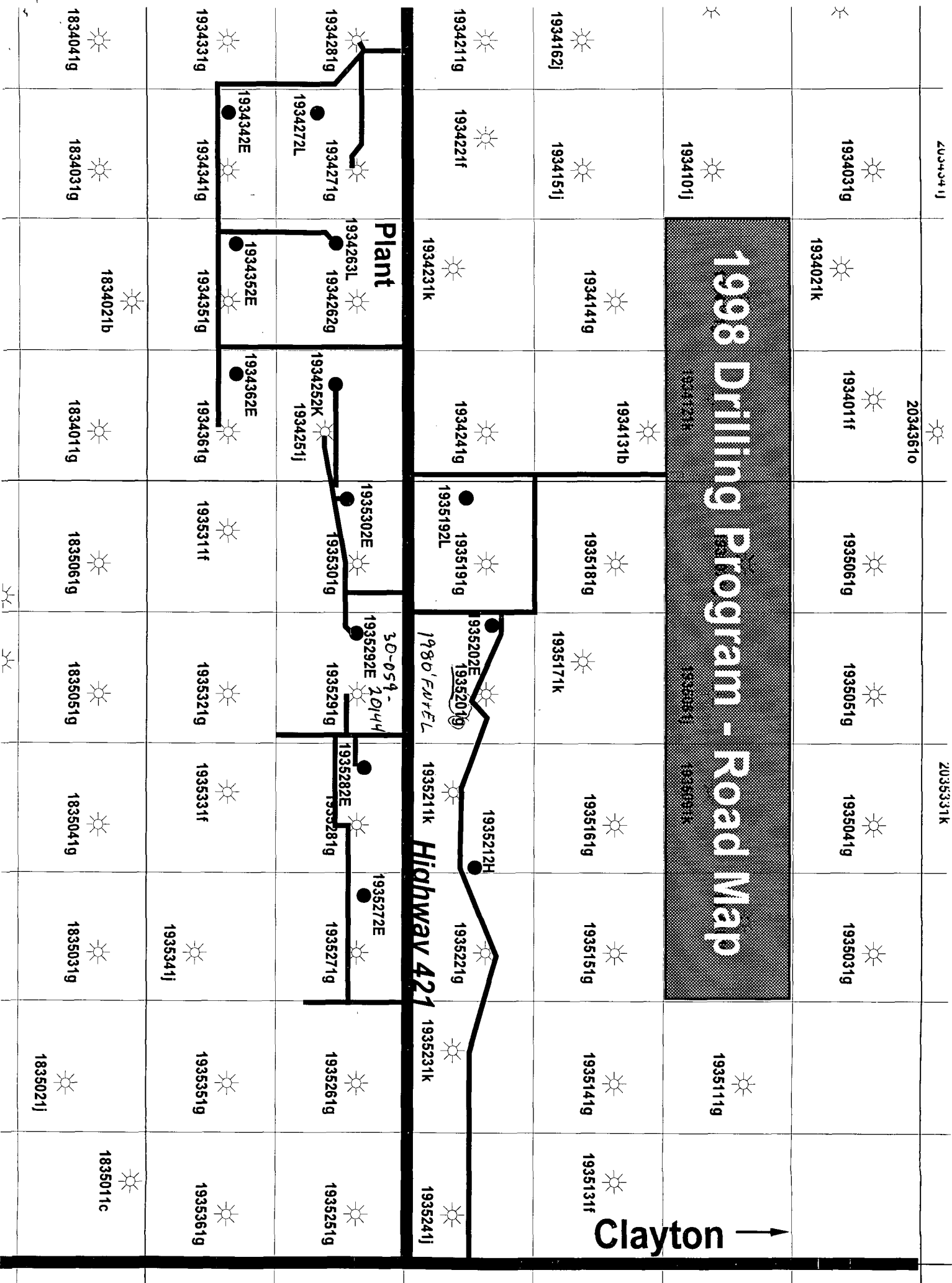
Yours truly,

A handwritten signature in cursive script, appearing to read "Culpepper".

Clayton →

Highway 421

Plant



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All
(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2
(APC 1.0)

Tr 00947 /02615 - S/2N/2
(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2
(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2
(APC 1.0)

Tr 00172H /01687 - S/2
(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4
(APC 1.0)

Tr 00864B /02522 - E/2NW/4
(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4
(APC 1.0)

Tr 00021 /01210 - NE/4
(APC 1.0)

Tr 00948 /02616 - SW/4
(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4
(Amerada 1.0)

Tr F0013C /00063 - S/2S/2
(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4
(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4

(APC .5 & .5*)

TR 00846A /02483 - S/2

(Amerada .5, SWEPI .5)

Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)

Sec 28 - (See Well 193427-2L above)

Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2

(APC 1.0)

TR 00023 /01212 - Lots 3,4, E/2SW/4

(APC 1.0)

T19N,R34E

Sec 24 - TR 00067 /01283 - N/2N/2

(APC 1.0)

TR 00009 /01185 - SW/4

(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4

(APC .9375, SWEPI .0625)

Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4

(Amerada 1.0)

TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4

(APC 1.0)

TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4 ✓

(APC 1.0)

Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2

(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)
Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)
Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)
Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)
Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)

T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 00277 BRAVO DOME CO2 GS UT TR F0048A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	600411 81	AMERADA HESS CORPORATION	RI 1		0.12500000	8		01
2	11/01/1980	600411 81	AMERADA HESS CORPORATION	WI 1		0.75000000	8		
3	02/01/1994	710000 01	MINERALS MANAGEMENT SERVICE	RI 1		0.12500000	8		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

AMERADA HESS CORPORATION
DIVISION ORDER OWNERSHIP
LIVE DIVISION ORDER OWNERSHIP BY PROPERTY

PAGE: 1
REPORT #TDO10001
RUN DATE: 02/03/98 TIME: 11:03

all 19N-35E

PROPERTY-TRACT: 06410-F048 BRAVO DOME CARBON DIOXIDE GU

TRACT FACTOR: 0.0003760

STATE: NEW MEXICO
COUNTY: HARDING, UNION & QUAY

DESCRIPTION: 910.196.37 ACRES, MORE OR LESS, AS DESCRIBED IN THE BRAVO DOME
CARBON DIOXIDE GAS UNIT AGREEMENT APPROVED BY THE NEW MEXICO STATE LAND OFFICE

OWNER NUMBER	NAME AND ADDRESS	PAY/HOLD CODE	DESC	INTEREST TYPE	DESC	OIL	GAS	COND	CSGHD	OTHER
-----------------	------------------	------------------	------	------------------	------	-----	-----	------	-------	-------

00010	AMERADA HESS CORPORATION P O BOX 2040 HOUSTON, TX 77252-2040 TAX IDENTIFICATION: 134921002	80	ELM	11	WI	0.0000000	0.0000000	0.0000000	0.0000000	0.7500000
-------	---	----	-----	----	----	-----------	-----------	-----------	-----------	-----------

10421	PUBLIC LANDS ROYALTY TRUST TOM R BOSTON ROBERT P CRESON DON D DOWDLE FRED BENNERS & OLIVER H DANIELS TRUSTEES P O BOX 7127 DALLAS, TX 75209 TAX IDENTIFICATION: 756258613	30	PAY	62	OI	0.0000000	0.0000000	0.0000000	0.0000000	0.1000000
-------	---	----	-----	----	----	-----------	-----------	-----------	-----------	-----------

10422	GEORGE L SCOTT 648 PETROLEUM BLDG ROSMELL, NM 88201 TAX IDENTIFICATION: 447346817	30	PAY	62	OI	0.0000000	0.0000000	0.0000000	0.0000000	0.0250000
-------	--	----	-----	----	----	-----------	-----------	-----------	-----------	-----------

89599	ROYALTY MANAGEMENT PROGRAM PAYER CODE 10631 GAS-CHG MINERALS MANAGEMENT SERVICE BOX 5810 T A DENVER, CO 80217-5810 TAX IDENTIFICATION: 840848646	30	PAY	24	RI	0.0000000	0.0000000	0.0000000	0.0000000	0.1250000
-------	---	----	-----	----	----	-----------	-----------	-----------	-----------	-----------

*** THIS INFORMATION IS BEING PROVIDED TO YOU AS AN ACCOMMODATION ONLY. AMERADA HESS CORPORATION MAKES NO WARRANTY
*** OR REPRESENTATION AS TO THE ACCURACY OR CORRECTNESS OF THIS INFORMATION, AND PARTIES RELYING ON SUCH INFORMATION
*** DO SO AT THEIR OWN RISK AND WITHOUT RECOURSE AGAINST AMERADA HESS CORPORATION, OR ANY OF ITS AGENTS OR EMPLOYEES. ***

Carrene
NE/4 NE/4 Sec. 17 ~
N/2 SE/4 Sec. 33
S/2 SE/4 Sec. 34
SE/4 NW/4 & NE/4 SW/4
& NE/4 SE/4 Sec. 35

Dr. T. L. L. L.
100%

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01438 BRAVO DOME CO2 GS UT TR 00133A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	08/01/1996	183398 00	BOLZ, GLENDA LEE	RI 1		0.00375000	1		01
2	08/01/1996	183469 00	BOLZ, CHARLES LEE	RI 1		0.00375000	1		01
3	07/01/1997	330026 00	ANGLIN, J H, JR	RI 1		0.04843750	1		01
4	11/01/1980	330180 00	DURGAN, FERN	RI 1		0.00750000	1		01
5	11/01/1980	351750 00	GUTHRIE, W D	RI 1		0.00312500	1		01
6	11/01/1980	432967 00	BOLZ, HERBERT H	RI 1		0.00750000	1		01
TOTAL GRI/NRI					0.00000000	1.00000000			
1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN				
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL				
TRANSFER									

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01438 BRAVO DOME CO2 GS UT TR 00133A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	433482 00	LEGG, DOROTHY F	RI 1		0.00750000	1		01
2	11/01/1980	434095 00	BOLZ, GEORGE W	RI 1		0.00750000	1		01
3	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.86250000	1		
4	07/01/1997	920347 00	J AND B TRUST	RI 1		0.04843750	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01437 BRAVO DOME CO2 GS UT TR 00132B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	07/01/1997	330026 00	ANGLIN, J H, JR	RI 1 ✓		0.06250000	1		01
2	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		
3	07/01/1997	920347 00	J AND B TRUST	RI 1 ✓		0.06250000	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01435 BRAVO DOME CO2 GS UT TR 00131B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	330026 00	RI 1	1		0.06250000	1		01
		ANGLIN, J H, JR							
2	11/01/1980	617000 00	WI 1	1		0.87500000	1		
		AMOCO PRODUCTION COMPANY							
3	11/01/1980	920347 00	RI 1	1		0.06250000	1		01
		J AND B TRUST							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01434 BRAVO DOME CO2 GS UT TR 00131A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	07/01/1997	330026 00	ANGLIN, J H, JR	RI 1 ✓		0.06250000	1		01
2	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		
3	07/01/1997	920347 00	J AND B TRUST	RI 1 ✓		0.06250000	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02663 BRAVO DOME CO2 GS UT TR 00986A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	136909 00	RI 1		0.01076390	1		01
		BARLOW, EVELYN						
2	11/01/1980	136910 00	RI 1		0.01076390	1		01
		KIMBER, H W						
3	11/01/1980	136911 00	RI 1		0.01076390	1		01
		JOHNSTON, DONNA						
4	08/01/1996	183398 00	RI 1		0.00375000	1		01
		BOLZ, GLENDA LEE						
5	08/01/1996	183469 00	RI 1		0.00375000	1		01
		BOLZ, CHARLES LEE						
6	11/01/1980	262761 00	RI 1		0.03229170	1		01
		KIMBER, MICHAEL J						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

DOLO310
MORE

DOI NUMBER 15527500 02663 BRAVO DOME CO2 GS UT TR 00986A
SELECTION FROM DATE 02/17/1998

[illegible]

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 02663 BRAVO DOME CO2 GS UT TR 00986A

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	617000 00	WI 1		0.86250000	1		
AMOCO PRODUCTION COMPANY								

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

(1)

Form C-101
Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-059-20374
⁴ Property Code 000335	⁵ Property Name BDCDGU 1935	⁶ Well No. 212

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 Union
H	21	19N	35E		2424	North	235	East	Union

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 Bravo Dome Carbon Dioxide Gas 96010					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4565
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	14# STEELG	2450	270	SURFACE

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature:

D. Holcomb

Printed name: Danny J Holcomb

Title: Field Team Leader

Date:

2-11-98

Phone: (505) 374-3010

OIL CONSERVATION DIVISION

Approved by:

[Signature]

Title:

Approval Date: 3/2/98

Expiration Date: 3/2/99

Conditions of Approval:
Attached ☐



OK

**Amoco Exploration and Production
Amoco Energy Group, North America**

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

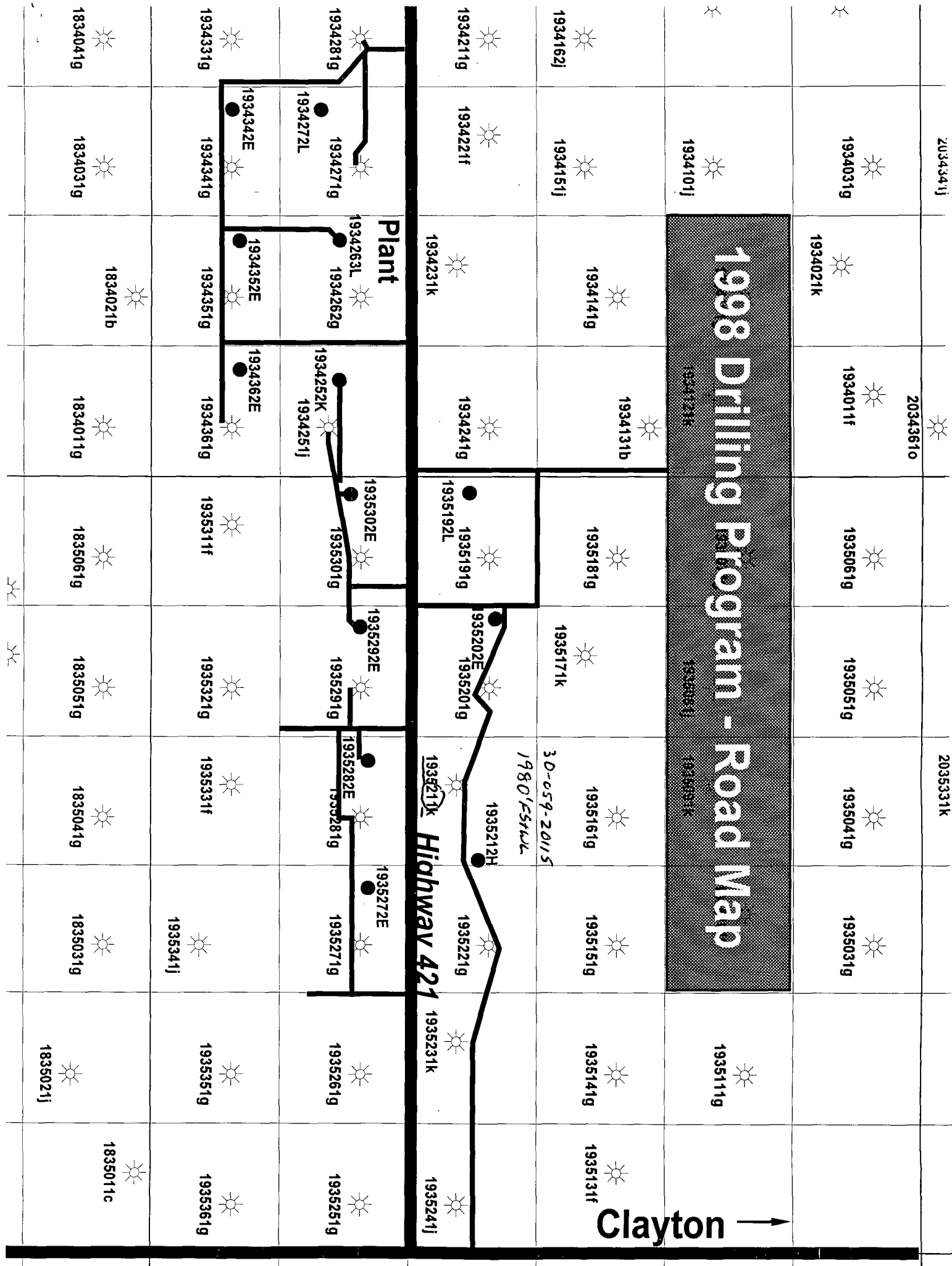
Yours truly,

1998 Drilling Program - Road Map

Clayton →

Highway 421

Plant



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All
(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2
(APC 1.0)

Tr 00947 /02615 - S/2N/2
(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2
(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2
(APC 1.0)

Tr 00172H /01687 - S/2
(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4
(APC 1.0)

Tr 00864B /02522 - E/2NW/4
(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4
(APC 1.0)

Tr 00021 /01210 - NE/4
(APC 1.0)

Tr 00948 /02616 - SW/4
(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4
(Amerada 1.0)

Tr F0013C /00063 - S/2S/2
(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4
(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4

(APC .5 & .5*)

TR 00846A /02483 - S/2

(Amerada .5, SWEPI .5)

Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)

Sec 28 - (See Well 193427-2L above)

Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2

(APC 1.0)

TR 00023 /01212 - Lots 3,4, E/2SW/4

(APC 1.0)

T19N,R34E

Sec 24 - TR 00067 /01283 - N/2N/2

(APC 1.0)

TR 00009 /01185 - SW/4

(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4

(APC .9375, SWEPI .0625)

Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4

(Amerada 1.0)

TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4

(APC 1.0)

TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4

(APC 1.0)

Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2

(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)

Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)

Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)

Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)

Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)

T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01420 BRAVO DOME CO2 GS UT TR 00123B

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	10/01/1995	165307 00	RI ✓	1		0.12500000	1		01
			MILLER, MARY EVELYN						
2	11/01/1980	617000 00	WI	1		0.87500000	1		
			AMOCO PRODUCTION COMPANY						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/17/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01485 BRAVO DOME CO2 GS UT TR 00152

SELECTION FROM DATE 02/17/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY	GRI SQ	DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	276990 00	RI	1		0.12500000	1			01
			WRIGHT FAMILY PARTNERSHIP							
2	11/01/1980	617000 00	WI	1		0.87500000	1			
			AMOCO PRODUCTION COMPANY							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01463 BRAVO DOME C02 GS UT TR 00137F

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	124790 00	RI✓1		0.00833500	1		01
		DAVES, LUTHER WAYNE						
2	11/01/1980	124791 00	RI✓1		0.00833000	1		01
		WATTERS, BETTY						
3	11/01/1980	124792 00	RI✓1		0.00833000	1		01
		DAVES, DALE						
4	11/01/1980	124793 00	RI✓1		0.00833500	1		01
		DAVES, DONALD						
5	11/01/1980	124794 00	RI✓1		0.00278000	1		01
		DAVES, TRACY ALLEN						
6	11/01/1980	124795 00	RI✓1		0.00278000	1		01
		TUCKER, LISA DAVES						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL

TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01463 BRAVO DOME C02 GS UT TR 00137F

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	124796 00	HOVICE, LANA DAVES	RI 1		0.00277500	1		01
2	11/01/1980	124869 00	CASEY, BONNIE	RI 1		0.00833500	1		01
3	11/01/1980	378490 00	TIDMORE, NONIE NIXON	RI 1		0.01875000	1		01
4	11/01/1980	378491 00	HOWE, CLARA LOU	RI 1		0.01875000	1		01
5	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		
6	11/01/1980	771963 00	CAIN, LEONARD B AND ELMA LOIS	RI 1		0.03750000	1		01
TOTAL GRI/NRI					0.00000000	1.00000000			
1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN				
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL				
TRANSFER									

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01462 BRAVO DOME C02 GS UT TR 00137E

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	378490 00	TIDMORE, NONIE NIXON	RI ✓ 1		0.03125000	1		01
2	11/01/1980	378491 00	HOWE, CLARA LOU	RI ✓ 1		0.03125000	1		01
3	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		
4	11/01/1980	771963 00	CAIN, LEONARD B AND ELMA LOIS	RI 1 ✓		0.06250000	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 00959 BRAVO DOME CO2 GS UT TR S0238B

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP	
1	11/01/1980	610592 06	RI ✓			0.12500000	1		01	
			NEW MEXICO, STATE OF							
2	11/01/1980	617000 00	WI 1			0.87500000	1			
		AMOCO PRODUCTION COMPANY								

State

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01464 BRAVO DOME C02 GS UT TR 00137G

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	378490 00	TIDMORE, NONIE NIXON	RI 1		0.03125000	1		01
2	11/01/1980	378491 00	HOWE, CLARA LOU	RI 1		0.03125000	1		01
3	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		
4	11/01/1980	771963 00	CAIN, LEONARD B AND ELMA LOIS	RI 1		0.06250000	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01462 BRAVO DOME C02 GS UT TR 00137E

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP	
1	11/01/1980	378490 00	RI 1			0.03125000	1		01	
			TIDMORE, NONIE NIXON							
2	11/01/1980	378491 00	RI 1			0.03125000	1		01	
			HOWE, CLARA LOU							
3	11/01/1980	617000 00	WI 1			0.87500000	1			
			AMOCO PRODUCTION COMPANY							
4	11/01/1980	771963 00	RI 1			0.06250000	1		01	
			CAIN, LEONARD B AND ELMA LOIS							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01510 BRAVO DOME CO2 GS UT TR 00172D

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	01/01/1995	205722 00	RI 1 ✓		0.07500000	1		01
		LIBBY, JUANITA						
2	11/01/1980	330041 00	RI 1 ✓		0.01250000	1		01
		AVERSA, MARIE						
3	11/01/1980	330064 00	RI 1 ✓		0.01250000	1		01
		BOLZ, JAMES D AND VICKIE						
4	11/01/1980	330065 00	RI 1 ✓		0.01250000	1		01
		BOLZ, THOMAS M						
5	11/01/1980	617000 00	WI 1		0.87500000	1		
		AMOCO PRODUCTION COMPANY						
6	11/01/1980	930008 00	RI 1 ✓		0.00416670	1		01
		RITTER, PEGGY						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01510 BRAVO DOME CO2 GS UT TR 00172D

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	939405 00	MAYTUM, WAYNE	RI ✓		0.00416660	1		01
2	11/01/1980	939406 00	MAYTUM, LAWRENCE	RI ✓		0.00416670	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Form C-101

Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-059-20375
⁴ Property Code 000335	⁵ Property Name BDCDGU 1935	⁶ Well No. 272

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 Union
E	27	19N P	35E		1679	North	957	West	Union

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
		P							

⁹ Proposed Pool 1

Bravo Dome Carbon Dioxide Gas 96010

¹⁰ Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4568
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	5.91#/FG	2450	270	SURFACE
		15.50#/STEEL			

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature:

D. Holcomb

Printed name: Danny J Holcomb

Title: Field Team Leader

Date:

2-11-98

Phone: (505) 374-3010

OIL CONSERVATION DIVISION

Approved by:

[Signature]

Title:

Approval Date: 3/2/98

Expiration Date: 3/2/99

Conditions of Approval:
Attached ☐



**Amoco Exploration and Production
Amoco Energy Group, North America**

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

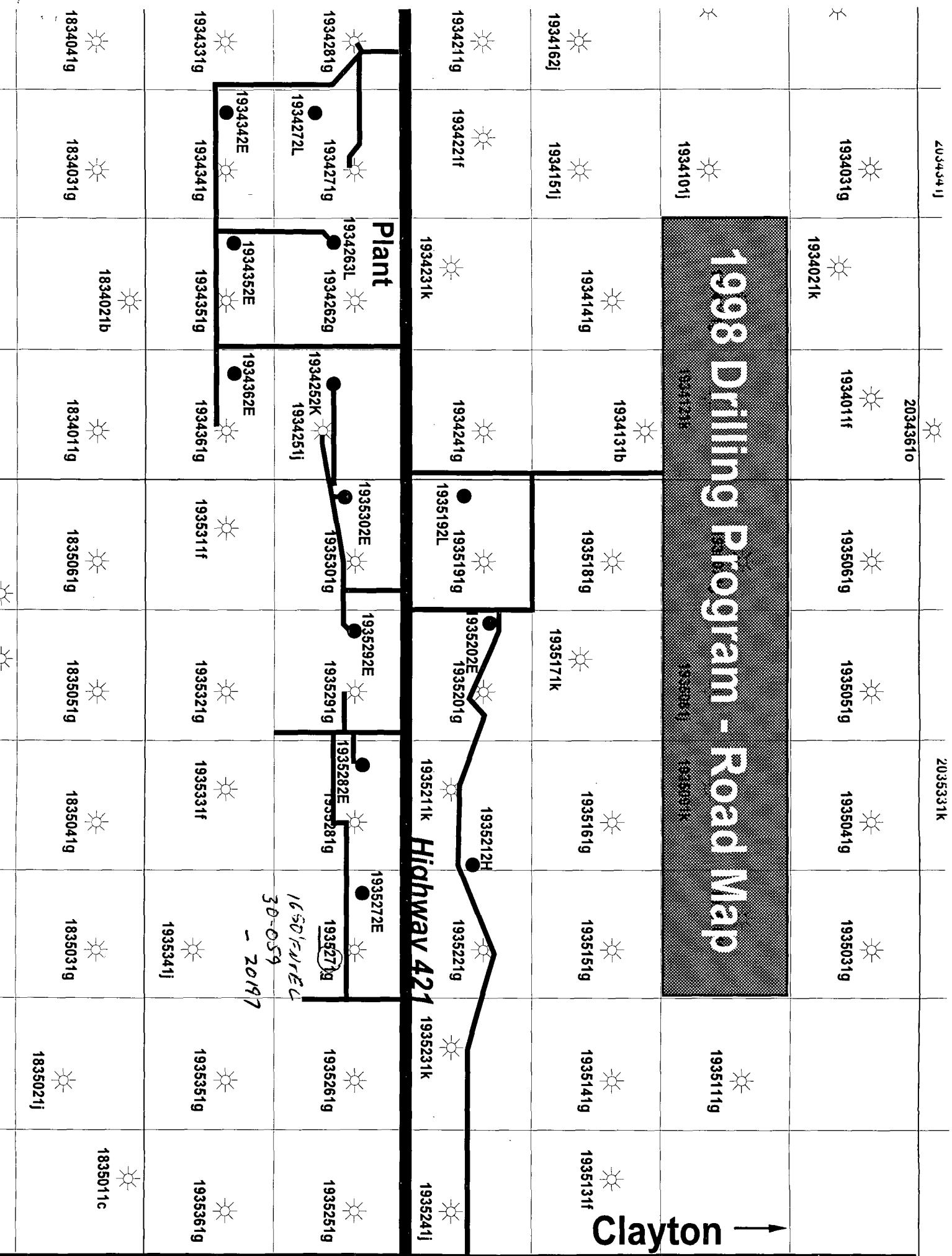
Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

Yours truly,

1998 Drilling Program - Road Map



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All

(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2

(APC 1.0)

Tr 00947 /02615 - S/2N/2

(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2

(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2

(APC 1.0)

Tr 00172H /01687 - S/2

(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4

(APC 1.0)

Tr 00864B /02522 - E/2NW/4

(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4

(APC 1.0)

Tr 00021 /01210 - NE/4

(APC 1.0)

Tr 00948 /02616 - SW/4

(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4

(Amerada 1.0)

Tr F0013C /00063 - S/2S/2

(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4

(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4

(APC .5 & .5*)

TR 00846A /02483 - S/2

(Amerada .5, SWEPI .5)

Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)

Sec 28 - (See Well 193427-2L above)

Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2

(APC 1.0)

TR 00023 /01212 - Lots 3,4, E/2SW/4

(APC 1.0)

T19N,R34E

Sec 24 - TR 00067 /01283 - N/2N/2

(APC 1.0)

TR 00009 /01185 - SW/4

(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4

(APC .9375, SWEPI .0625)

Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4

(Amerada 1.0)

TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4

(APC 1.0)

TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4

(APC 1.0)

Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2

(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)

Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)

Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)

Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)

Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)

T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01441 BRAVO DOME CO2 GS UT TR 00135A

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	617000 00	WI	1		0.87500000	1		
		AMOCO PRODUCTION COMPANY							
2	11/01/1980	771944 00	RI	1		0.12500000	1	<i>ok</i>	01
		ANGLIN TRUST ESTATE							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01505 BRAVO DOME CO2 GS UT TR 00168

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	07/01/1993	117040 00	POOLE LEASING INC	RI ✓ 1		0.12500000	1		01
2	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI ✓ 1		0.87500000	1		

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 02669 BRAVO DOME CO2 GS UT TR 00991

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	117310 00	RI 1		0.18750000	1		01
		MCKINLEY, MARGARET P, AND						
2	11/01/1980	617000 00	WI 1		0.81250000	1		
		AMOCO PRODUCTION COMPANY						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01444 BRAVO DOME CO2 GS UT TR 00137I

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	378490 00	RI ✓ 1		0.03125000	1		01
		TIDMORE, NONIE NIXON						
2	11/01/1980	378491 00	RI ✓ 1		0.03125000	1		01
		HOWE, CLARA LOU						
3	11/01/1980	617000 00	WI 1		0.87500000	1		
		AMOCO PRODUCTION COMPANY						
4	11/01/1980	771963 00	RI ✓ 1		0.06250000	1		01
		CAIN, LEONARD B AND ELMA LOIS						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01769 BRAVO DOME CO2 GS UT TR 00328

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	107279 01	RI ✓ 1		0.12500000	1		01
		MALTER, JUNE ARLENE						
2	11/01/1980	617000 00	WI 1		0.87500000	1		
		AMOCO PRODUCTION COMPANY						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01441 BRAVO DOME CO2 GS UT TR 00135A

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	617000 00	WI	1		0.87500000	1		
		AMOCO PRODUCTION COMPANY							
2	11/01/1980	771944 00	RI	1		0.12500000	1		01
		ANGLIN TRUST ESTATE							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01505 BRAVO DOME CO2 GS UT TR 00168

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	07/01/1993	117040 00	RI 1			0.12500000	1		01
			POOLE LEASING INC						
2	11/01/1980	617000 00	WI 1			0.87500000	1		
			AMOCO PRODUCTION COMPANY						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

(k)

Form C-101
Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-059-20376
⁴ Property Code 000335	⁵ Property Name BDCDGU 1935	⁶ Well No. 282

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 Union
E	28	19N	35E		1674	North	994	West	Union

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
		P							

⁹ Proposed Pool 1 Bravo Dome Carbon Dioxide Gas 96010	¹⁰ Proposed Pool 2
---	-------------------------------

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4599
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	5.91#/FG	2450	270	SURFACE
		15.50#/STEEL			

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature: *DJ Holcomb*

Printed name: Danny J Holcomb

Title: Field Team Leader

Date: 2-11-98

Phone: (505) 374-3010

OIL CONSERVATION DIVISION

Approved by: *Ry E Johnson*

Title:

Approval Date: 3/2/98

Expiration Date: 3/2/99

Conditions of Approval:
Attached ☐



Amoco Exploration and Production
Amoco Energy Group, North America

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

TR 135 B
6% unleased interest.

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

Yours truly,

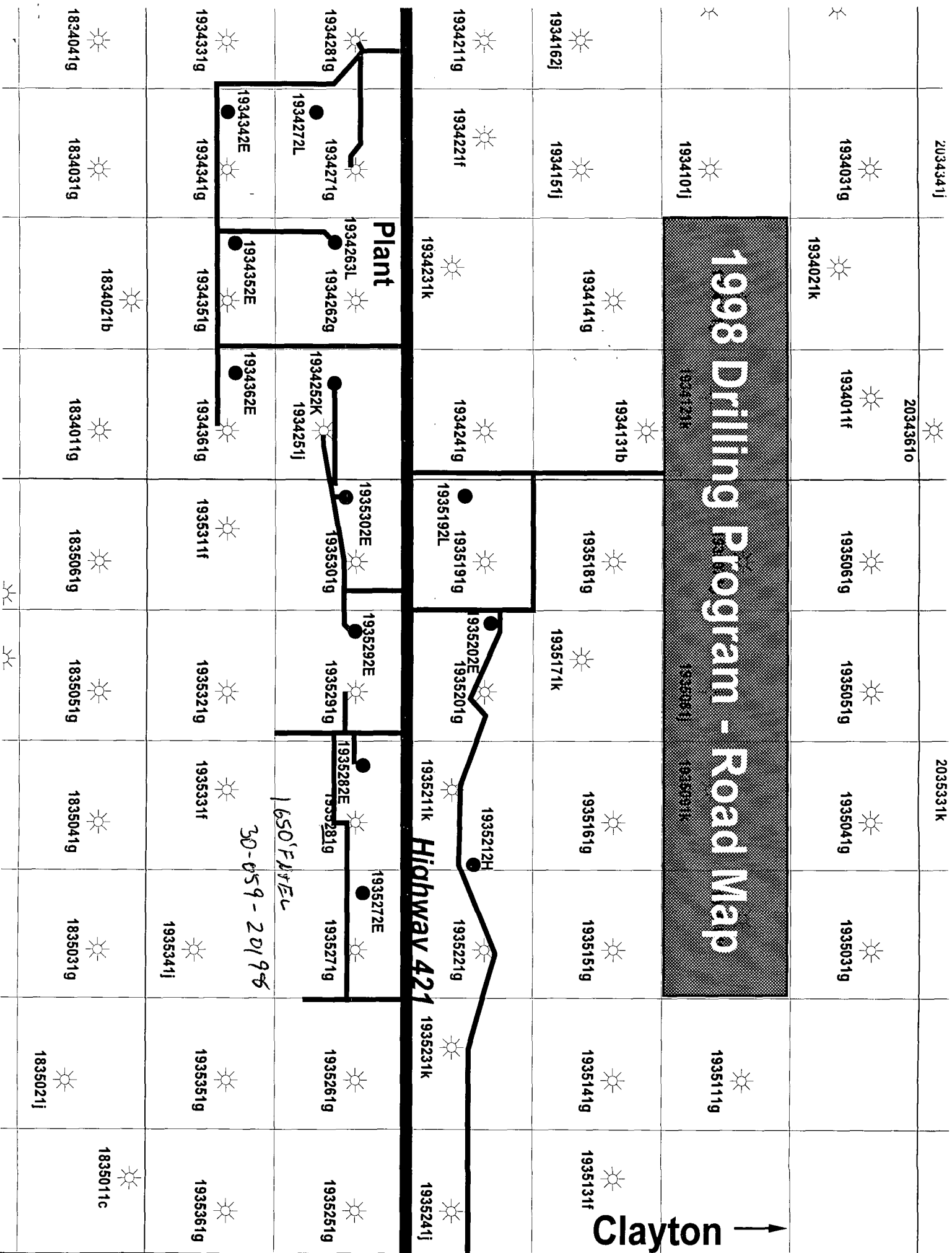
Clayton

Highway 421

Plant

1650' Flat

30-059-20198



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All
(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2
(APC 1.0)

Tr 00947 /02615 - S/2N/2
(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2
(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2
(APC 1.0)

Tr 00172H /01687 - S/2
(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4
(APC 1.0)

Tr 00864B /02522 - E/2NW/4
(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4
(APC 1.0)

Tr 00021 /01210 - NE/4
(APC 1.0)

Tr 00948 /02616 - SW/4
(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4
(Amerada 1.0)

Tr F0013C /00063 - S/2S/2
(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4
(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4
(APC .5 & .5*)
TR 00846A /02483 - S/2
(Amerada .5, SWEPI .5)
Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)
Sec 28 - (See Well 193427-2L above)
Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00023 /01212 - Lots 3,4, E/2SW/4
(APC 1.0)
T19N,R34E
Sec 24 - TR 00067 /01283 - N/2N/2
(APC 1.0)
TR 00009 /01185 - SW/4
(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4
(APC .9375, SWEPI .0625)
Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4
(Amerada 1.0)
TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4
(APC 1.0)
TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4
(APC 1.0)
Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2
(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)

Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)

Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)

Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)

Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)
T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01437 BRAVO DOME CO2 GS UT TR 00132B

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	07/01/1997	330026 00	ANGLIN, J H, JR	RT 1		0.06250000	1		01
2	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		
3	07/01/1997	920347 00	J AND B TRUST	RT 1		0.06250000	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 01439 BRAVO DOME CO2 GS UT TR 00133B

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	08/01/1996	183398 00	RI ✓ 1		0.00375000	1		01
		BOLZ, GLENDA LEE						
2	08/01/1996	183469 00	RI ✓ 1		0.00375000	1		01
		BOLZ, CHARLES LEE						
3	07/01/1997	330026 00	RI ✓ 1		0.04843750	1		01
		ANGLIN, J H, JR						
4	11/01/1980	330180 00	RI ✓ 1		0.00750000	1		01
		DURGAN, FERN						
5	11/01/1980	351750 00	RI ✓ 1		0.00312500	1		01
		GUTHRIE, W D						
6	11/01/1980	432967 00	RI ✓ 1		0.00750000	1		01
		BOLZ, HERBERT H						

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

• 02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01439 BRAVO DOME CO2 GS UT TR 00133B

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	433482 00	LEGG, DOROTHY F	RI 1		0.00750000	1		01
2	11/01/1980	434095 00	BOLZ, GEORGE W	RI 1		0.00750000	1		01
3	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.86250000	1		
4	07/01/1997	920347 00	J AND B TRUST	RI 1		0.04843750	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01465 BRAVO DOME C02 GS UT TR 00137H

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	378490 00	TIDMORE, NONIE NIXON	RI 1		0.03125000	1		01
2	11/01/1980	378491 00	HOWE, CLARA LOU	RI 1		0.03125000	1		01
3	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.87500000	1		
4	11/01/1980	771963 00	CAIN, LEONARD B AND ELMA LOIS	RI 1		0.06250000	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02664 BRAVO DOME CO2 GS UT TR 00986B

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	136909 00	BARLOW, EVELYN	RI✓ 1		0.01076390	1		01
2	11/01/1980	136910 00	KIMBER, H W	RI✓ 1		0.01076390	1		01
3	11/01/1980	136911 00	JOHNSTON, DONNA	RI✓ 1		0.01076390	1		01
4	08/01/1996	183398 00	BOLZ, GLENDA LEE	RI✓ 1		0.00375000	1		01
5	08/01/1996	183469 00	BOLZ, CHARLES LEE	RI✓ 1		0.00375000	1		01
6	11/01/1980	262761 00	KIMBER, MICHAEL J	RI✓ 1		0.03229170	1		01

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310
MORE

SELECT SEQ NUMBER

DOI NUMBER 15527500 02664 BRAVO DOME CO2 GS UT TR 00986B

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	11/01/1980	330180 00	RI ✓	1		0.00750000	1		01
		DURGAN, FERN							
2	11/01/1980	343769 00	RI ✓	1		0.03229160	1		01
		KIMBER, MARY MARGUERITE							
3	11/01/1980	351750 00	RI ✓	1		0.00312500	1		01
		GUTHRIE, W D							
4	11/01/1980	432967 00	RI ✓	1		0.00750000	1		01
		BOLZ, HERBERT H							
5	11/01/1980	433482 00	RI ✓	1		0.00750000	1		01
		LEGG, DOROTHY F BOLES							
6	11/01/1980	434095 00	RI ✓	1		0.00750000	1		01
		BOLZ, GEORGE W							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 02664 BRAVO DOME CO2 GS UT TR 00986B

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/	INT	GRI	NRI	PY	PY/SUSP	BEARER
	FROM/TO	OWNER NAME	TY SQ	DECIMAL	DECIMAL	CD	RSN	GROUP
1	11/01/1980	617000 00	WI 1		0.86250000	1		
AMOCO PRODUCTION COMPANY								

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01442 BRAVO DOME CO2 GS UT TR 00135B

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP
1	01/01/1991	125449 00	UNLEASED INTEREST BRAVO DOME ONLY	UU 1		0.05208330	1		03
2	01/01/1991	125449 00	UNLEASED INTEREST BRAVO DOME ONLY	UU 2		0.01041670	1		03
3	11/01/1980	617000 00	AMOCO PRODUCTION COMPANY	WI 1		0.82031250	1		
4	11/01/1980	771944 00	ANGLIN TRUST ESTATE	RI 1 ✓		0.11718750	1		02

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP 2 ERR HELP 3 MENU 4 MAIN MENU 5 REFRESH 6 RETURN
7 PAGE BACK 8 PAGE FWD 9 HOLD 10 COMP GRI 11 12 CANCEL
TRANSFER _____

02/18/1998

P R E M A S
DOI OWNERSHIP BROWSE

DOLO310

SELECT SEQ NUMBER

DOI NUMBER 15527500 01440 BRAVO DOME CO2 GS UT TR 00134

SELECTION FROM DATE 02/18/1998

SEQ	EFF DATE	OWNER NO/ FROM/TO	OWNER NAME	INT TY SQ	GRI DECIMAL	NRI DECIMAL	PY CD	PY/SUSP RSN	BEARER GROUP	
1	01/01/1995	150219 00	RI ✓	1		0.01041670	8		01	
			SHELL LAND AND ENERGY COMPANY							
2	01/01/1995	150219 00	WI	1		0.05208330	8			
			SHELL LAND AND ENERGY COMPANY							
3	11/01/1980	617000 00	WI	1		0.82031250	1			
			AMOCO PRODUCTION COMPANY							
4	11/01/1980	771944 00	RI	1 ✓		0.11718750	1		02	
			ANGLIN TRUST ESTATE							

TOTAL GRI/NRI 0.00000000 1.00000000

1 HELP	2 ERR HELP	3 MENU	4 MAIN MENU	5 REFRESH	6 RETURN
7 PAGE BACK	8 PAGE FWD	9 HOLD	10 COMP GRI	11	12 CANCEL
					TRANSFER _____

DIVISION OF INTEREST

COMPANY

SHELL LAND AND ENERGY COMPANY

TR 00134

PROPERTY NO.		FIELD NAME			OPERATOR		DATE	PAGE
3-34625-041		BRAVO DOME			AMOCO PRODUCTION CO.		2/02/98	1
PROPERTY NAME					COUNTY		STATE	
BRAVO DOME CO2 INTR FIN					HARDING		NM.	
OWNER NO.	PAY CODE	S.R.	TYPE	NAME AND ADDRESS		PRODUCT	DECIMAL	
AME32B00	10090220	00	RI	AMERICAN NAT'L INSURANCE CO REAL ESTATE DIVISION ONE MOODY PLAZA GALVESTON, TX 77550 IRS-Employer ID No. 74-0484030		GAS	.0104167	
BRAVO9DK	10030110	00	AI	BRAVO DOME CARBON DIOXIDE UNIT ADDRESS UNKNOWN		GAS	.9375000	
9SLEC000	10030310	00	AB	SHELL LAND & ENERGY CO. C/O SHELL BUSINESS SERVICES CO P. O. BOX 4655 HOUSTON, TX 77210 IRS-Employer ID No. 76-0453694		GAS	.0104167	
9SLEC1DK	10030110	00	WI	SHELL LAND & ENERGY CO. DELIVER-IN-KIND CITY UNKNOWN, TX IRS-Employer ID No. 76-0453694		GAS	.0520833	
				* * TOTALS FOR - 3-34625-041 * *				
				Oil - .0000000				
				Conditioned Oil - .0000000				
				Gas - 1.0000000				
				Conditioned Gas - .0000000				

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

This transcript has been furnished by Shell Oil Company as an accommodation only. It does not necessarily reflect record title. Anyone relying on this transcript for any use does so at his own risk and without recourse on Shell.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Amistad, NM 88410		² OGRID Number 000778
		³ API Number 30-057-40377
⁴ Property Code 000335	⁵ Property Name BDCDGU 1935	⁶ Well No. 292

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 Union
E	29	19N	35E		2017	North	848	West	Union

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 Bravo Dome Carbon Dioxide Gas 96010	¹⁰ Proposed Pool 2
---	-------------------------------

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4649
-----------------------------------	-----------------------------------	---------------------------------	------------------------------------	--

¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUBB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98
------------------------------	--------------------------------------	---------------------------------	---	-------------------------------------

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	5.91#/FG	2450	270	SURFACE
		15.50#/STEEL			

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature:

D. J. Holcomb

Printed name: Danny J Holcomb

Title: Field Team Leader

Date: 2-11-98

Phone: (505) 374-3010

OIL CONSERVATION DIVISION

Approved by:

R. E. Johnson

Title:

Approval Date: 3/2/98

Expiration Date: 3/2/99

Conditions of Approval:
Attached ☐



Amoco Exploration and Production
Amoco Energy Group, North America

jk

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

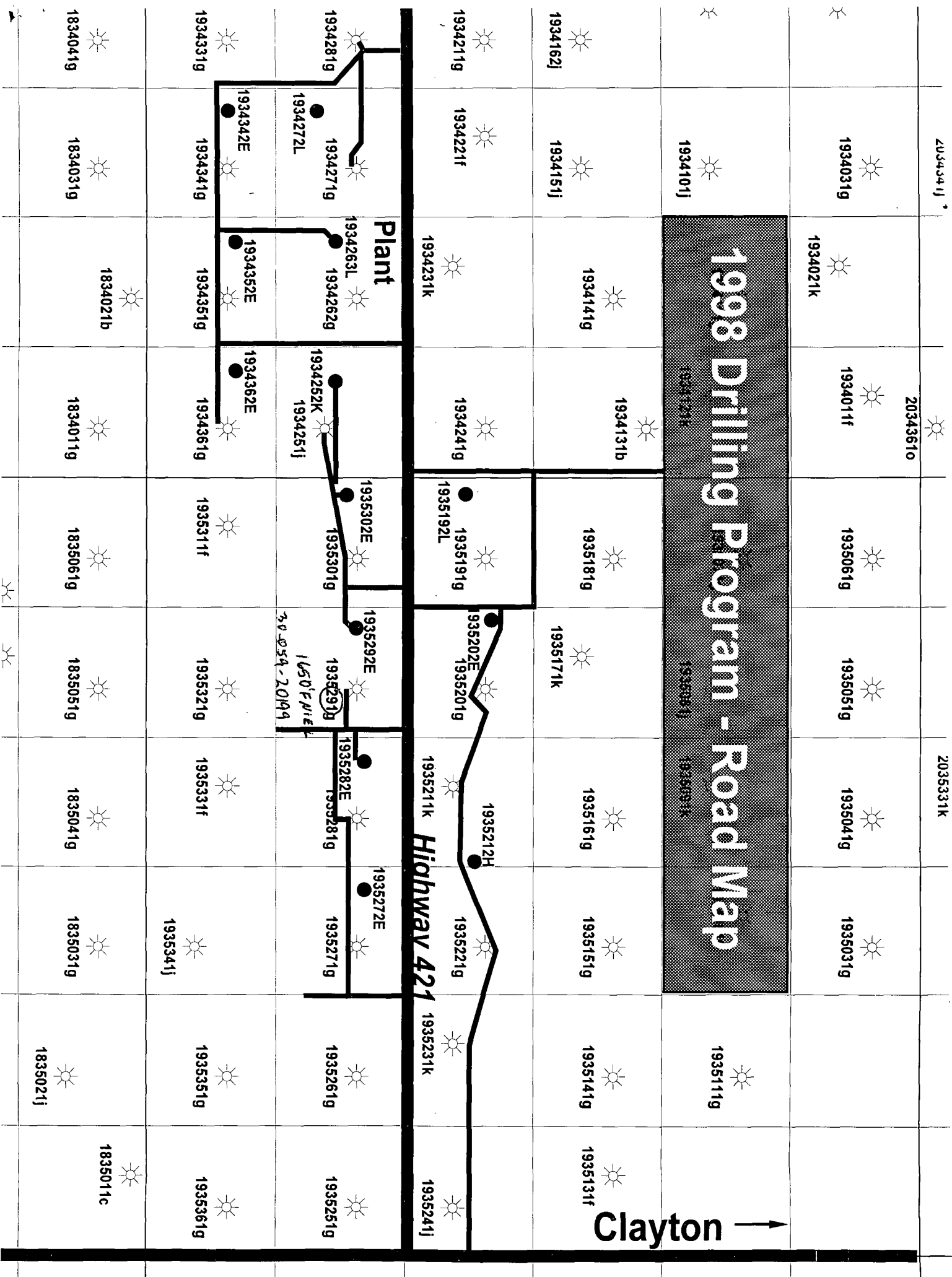
If you require anything further to approve these locations or have any questions, please, contact me.

Yours truly,

Sam Culpepper

Clayton

Highway 421



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All
(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2
(APC 1.0)
Tr 00947 /02615 - S/2N/2
(APC .5, SWEPI .5)
Tr 00172A /01507 - S/2
(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2
(APC 1.0)
Tr 00172H /01687 - S/2
(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4
(APC 1.0)
Tr 00864B /02522 - E/2NW/4
(Amerada .2, SWEPI .8)
Tr 00172G /01513 - SE/4
(APC 1.0)
Tr 00021 /01210 - NE/4
(APC 1.0)
Tr 00948 /02616 - SW/4
(APC .5, Amerada .2, SWEPI .3)
Sec 27 - Tr F0013B /00062 - N/2NW/4
(Amerada 1.0)
Tr F0013C /00063 - S/2S/2
(Amerada 1.0)
Tr 00174B /01518 - NE/4, N/2SE/4
(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4

(APC .5 & .5*)

TR 00846A /02483 - S/2

(Amerada .5, SWEPI .5)

Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)

Sec 28 - (See Well 193427-2L above)

Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2

(APC 1.0)

TR 00023 /01212 - Lots 3,4, E/2SW/4

(APC 1.0)

T19N,R34E

Sec 24 - TR 00067 /01283 - N/2N/2

(APC 1.0)

TR 00009 /01185 - SW/4

(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4

(APC .9375, SWEPI .0625)

Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4

(Amerada 1.0)

TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4

(APC 1.0)

TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4

(APC 1.0)

Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2

(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)

Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)

Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)

Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)

Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)
T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Form C-101

Revised October 18, 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

¹ Operator Name and Address. Amoco Exploration & Production Company PO Box 303 Armadillo, NM 88410		² OGRID Number 000778
		³ API Number 30-057-20378
⁴ Property Code 000335	⁵ Property Name BDCDGU 1935	⁶ Well No. 302

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 Union
E	30	19N	35E		2408	North	722	West	Union

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 Bravo Dome Carbon Dioxide Gas 96010	¹⁰ Proposed Pool 2
---	-------------------------------

¹¹ Work Type Code N	¹² Well Type Code C	¹³ Cable/Rotary 2	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4684
¹⁶ Multiple NO	¹⁷ Proposed Depth 2450	¹⁸ Formation TUEB	¹⁹ Contractor CHEYENNE DRLG	²⁰ Spud Date 04/01/98

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#/STEEL	700	400	SURFACE
7 7/8	5 1/2	14# STEELG	2450	270	SURFACE

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.
Mud Program- 700' fresh water/native mud, 700' - 2450' fresh water/starch/gel. BOP program attached

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

Signature:

Printed name: Danny J Holcomb

Title: Field Team Leader

Date:

2-11-98

Phone: (505) 374-3010

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: 3/2/98

Expiration Date: 3/2/99

Conditions of Approval:
Attached ☐



**Amoco Exploration and Production
Amoco Energy Group, North America**

Central Business Unit
Bravo Dome JOMT
501 WestLake Park Boulevard
Post Office Box 3092, MC 8.104
Houston, Texas 77210

Sam Culpepper, CPL
Land Negotiator
(281) 366-2361
(281) 366-5991 fax

February 20, 1998

New Mexico Energy, Minerals &
Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Roy E. Johnson

Re: Application for Administrative Approval of
Unorthodox Well Locations,
Bravo Dome Carbon Dioxide Gas Unit
Harding, Union, and Quay Counties, New Mexico

Dear Mr. Johnson:

Amoco Production Company, operator of the Bravo Dome Carbon Dioxide Gas Unit, hereby requests administrative approval of thirteen (13) unorthodox locations for wells planned for spud in April 1998. These proposed wells are all Unit wells, and the proposed unorthodox locations are neither located on nor offset to a section in which acreage contains any Royalty Interest unratified to the Unit Agreement. All drillsite and offset sections are within the Unit boundary.

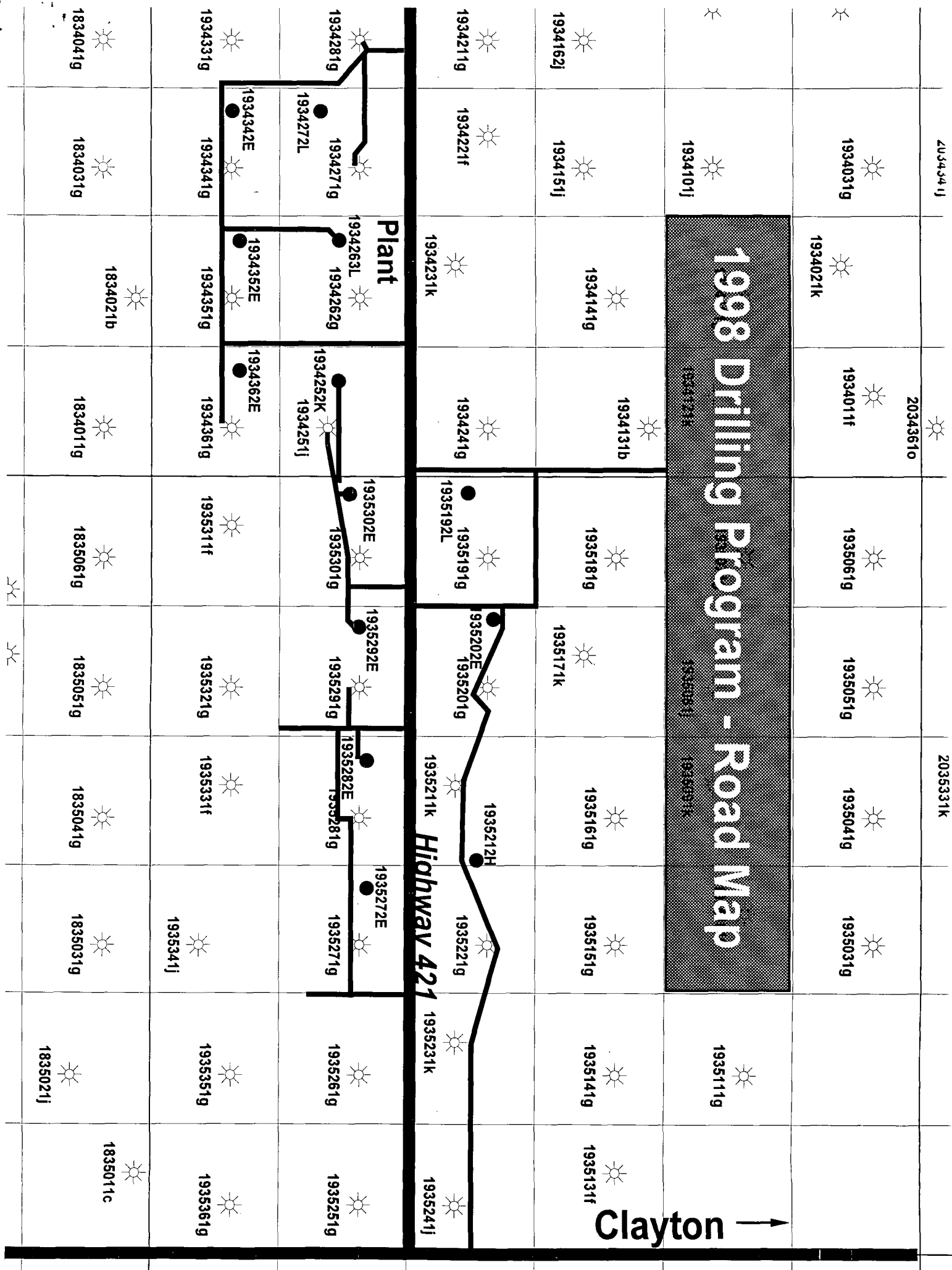
Proposed wells are: 193425-2K, 193426-3L, 193436-2E, 193435-2E, 193427-2L, 193434-2E, 193519-2L, 193520-2E, 193521-2H, 193527-2E, 193528-2E, 193529-2E, & 193530-2E.

Please, find attached a packet for each well. Each packet contains ownership information, per your request, for the drillsite section and the three sections adjacent and diagonal to the proposed unorthodox location. For each section, Unit Tracts within that section are listed with a legal description and the Working Interest Ownership (WIO) for each Tract. Royalty Interest Ownership (RIO) is provided on a Tract-by-Tract basis. For the WIO information, "SWEPI" is Shell Western Exploration & Production, Inc., "Amerada" is Amerada Hess Corporation, and "APC" is Amoco Production Company. For the RIO on a Tract-by-Tract basis, "RI" indicates a ratified Royalty Interest. RIO information for a Tract in which a Unit partner is indicated as owning a Working Interest was provided by that partner, as appropriate, since it makes royalty settlement for itself on that Tract. A map is included in each packet indicating the well location and the offsets. Well plats for these thirteen (13) proposed wells have already been provided to you in the well permitting process.

If you require anything further to approve these locations or have any questions, please, contact me.

Yours truly,

1998 Drilling Program - Road Map



1998 BDCDGU Infill Drilling Program
Drill & Offset Sections For Unorthodox Well Locations
(Revised 2/2/98 - 13 Wells)
(Unit Tracts /Premas DOI's, Tract Descriptions & WIO's)

Well 193425-2K

Drill

Sec 25 - (See Well 193436-2E below)

Offset

Sec 36 - Tr S0238A /00958 - All

(APC 1.0)

Sec 26 - Tr 00177 /01521 - N/2N/2

(APC 1.0)

Tr 00947 /02615 - S/2N/2

(APC .5, SWEPI .5)

Tr 00172A /01507 - S/2

(APC 1.0)

Sec 35 - Tr 00172A /01507 - N/2

(APC 1.0)

Tr 00172H /01687 - S/2

(APC 1.0)

Well 193426-3L

Drill

Sec 26 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 34 - Tr 00172B /01508 - W/2NW/4

(APC 1.0)

Tr 00864B /02522 - E/2NW/4

(Amerada .2, SWEPI .8)

Tr 00172G /01513 - SE/4

(APC 1.0)

Tr 00021 /01210 - NE/4

(APC 1.0)

Tr 00948 /02616 - SW/4

(APC .5, Amerada .2, SWEPI .3)

Sec 27 - Tr F0013B /00062 - N/2NW/4

(Amerada 1.0)

Tr F0013C /00063 - S/2S/2

(Amerada 1.0)

Tr 00174B /01518 - NE/4, N/2SE/4

(APC 1.0)

Tr 00173A /01515 - S/2NW/4, N/2SW/4
(APC 1.0)

Well 193436-2E

Drill

Sec 36 - (See Well 193425-2K above)

Offset

Sec 35 - (See Well 193425-2K above)

Sec 25 - TR 00947 /02615 - NW/4

(APC .5, SWEPI .5)

TR 00066 /01282 - NE/4

(APC .9375, SWEPI .0625)

TR 00011 /01191 - S/2

(APC 1.0)

Sec 26 - (See Well 193425-2K above)

Well 193435-2E

Drill

Sec 35 - (See Well 193425-2K above)

Offset

Sec 34 - (See Well 193426-3L above)

Sec 26 - (See Well 193425-2K above)

Sec 27 - (See Well 193426-3L above)

Well 193427-2L

Drill

Sec 27 - (See Well 193426-3L above)

Offset

Sec 28 - TR 00175 /01519 - N/2NW/4

(SWEPI .3, Amerada .2, APC .5)

TR 00174A /01517 - S/NW/4, NE/4

(APC 1.0)

TR 00173A /01515 - SE/4

(APC 1.0)

TR F0013D /00064 - SW/4

(Amerada 1.0)

Sec 33 - TR 00173B /01516 - NW/4NW/4

(APC 1.0)

TR 00173C /02984 - NE/4NW/4

(APC .5 & .5*)

TR 00176C /02986 - SE/4NW/4

(APC .5 & .5*)

TR 00176D /02987 - SW/4NW/4

(APC .5 & .5*)

TR 00176B /02985 - NE/4
(APC .5 & .5*)
TR 00846A /02483 - S/2
(Amerada .5, SWEPI .5)
Sec 34 - (See Well 193426-3L above)

Well 193434-2E

Drill

Sec 34 - (See Well 193427-2L above)

Offset

Sec 27 - (See Well 193426-3L above)
Sec 28 - (See Well 193427-2L above)
Sec 33 - (See Well 193427-2L above)

Well 193519-2L

Drill

Sec 19 - (See Well 193520-2E below)

Offset

Sec 30 - TR 00157 /01490 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00023 /01212 - Lots 3,4, E/2SW/4
(APC 1.0)
T19N,R34E
Sec 24 - TR 00067 /01283 - N/2N/2
(APC 1.0)
TR 00009 /01185 - SW/4
(APC .5 & .5*)

TR 00066 /01282 - S/2N/2, SE/4
(APC .9375, SWEPI .0625)
Sec 25 - (See Well 193436-2E above)

Well 193520-2E

Drill

Sec 20 - (See Well 193528-2E below)

Offset

Sec 17 - TR F0048A /00277 - NE/4NE/4
(Amerada 1.0)
TR 00133A /01438 - NW/4NW/4, E/2NW/4, W/2NE/4, SE/4NE/4,
NE/4SW/4, SE/4
(APC 1.0)
TR 00132B /01437 - SW/4NW/4, NW/4SW/4, S/2SW/4
(APC 1.0)
Sec 18 - TR 00131B /01435 - (All) Lots 1,2,3,4, E/2W/2, E/2
(APC 1.0)

Sec 19 - TR 00131A /01434 - Lots 1,2, E/2NW/4, E/2
(APC 1.0)
TR 00986A /02663 - Lots 3,4, E/2SW/4
(APC 1.0)

Well 193521-2H

Drill

Sec 21 - (See Well 193527-2E below)

Offset

Sec 15 - TR 00123B /01420 - NW/4
(APC 1.0)
TR 00152 /01485 - NE/4
(APC 1.0)
TR 00137F /01463 - N/2S/2, SE/4SE/4, SE/4SW/4
(APC 1.0)

TR 00137E /01462 - SW/4SE/4, SW/4SW/4
(APC 1.0)

Sec 16 - TR S0238B /00959 - N/2, SE/4, N/2SW/4, SE/4SW/4
(APC 1.0)
TR 00137G /01464 - SW/4SW/4
(APC 1.0)

Sec 22 - TR 00137E /01462 - N/2, N/2S/2, S/2SW/4, SE/4SE/4
(APC 1.0)
TR 00172D /01510 - SW/4SE/4
(APC 1.0)

Well 193527-2E

Drill

Sec 27 - TR 00135A /01441 - N/2N/2
(APC 1.0)
TR 00168 /01505 - S/2N/2, SW/4
(APC 1.0)
TR 00991 /02669 - SE/4
(APC 1.0)

Offset

Sec 22 - (See Well 193521-2H above)

Sec 21 - TR 00137I /01444 - N/2, SW/4
(APC 1.0)
TR 00328 /01769 - SE/4
(APC 1.0)

Sec 28 - TR 00135A /01441 - N/2, SW/4
(APC 1.0)

TR 00168 /01505 - SE/4
(APC 1.0)

Well 193528-2E

Drill

Sec 28 - (See Well 193527-2E above)

Offset

Sec 21 - (See Well 193527-2E above)

Sec 20 - TR 00132B /01437 - W/2, W/2E/2, E/2SE/4
(APC 1.0)

TR 00133B /01439 - SE/4NE/4
(APC 1.0)

TR 00137H /01465 - NE/4NE/4
(APC 1.0)

Sec 29 - TR 00986B /02664 - NW/4
(APC 1.0)

TR 00135B /01442 - SW/4, W/2SE/4
(APC .9375 & .0625*)

TR 00134 /01440 - NE/4, E/2SE/4
(APC .9375, SWEPI .0625)

Well 193529-2E

Drill

Sec 29 - (See Well 193528-2E above)

Offset

Sec 20 - (See Well 193528-2E above)

Sec 19 - (See Well 193520-2E above)

Sec 30 - (See Well 193519-2L above)

Well 193530-2E

Drill

Sec 30 - (See Well 193519-2L above)

Offset

Sec 19 - (See Well 193520-2E above)

T19N,R34E

Sec 24 - (See Well 193519-2L above)

Sec 25 - (See Well 193436-2E above)

* = unleased interest

Sec. 30

Township No. 19 North

of Range No. 35 East

① 35.89			
② 35.94		*	
		"1935" II 301 1980' ENH EL	
③ 36.00		30-059 - 20095	
④ 36.05			

35.89

35.94

71.83

36.00

107.83

36.05

143.88

166.00

303.88

320.00

F.4 623.88