

ARCO  
Exhibit #1

Comp 11727  
3-6-97

**WELL LOCATION INFORMATION**  
 □ Surface Location: 1730' FNL, 660' FEL  
 ○ Bottom Hole Location: 1253' FNL, 508' FEL

**ARCO Permian**  
 a Unit of Atlantic Richfield Company

**EMPIRE ABO AREA**  
 Eddy County, New Mexico

**Lease Owners/Offset Operators**  
**T-17-S R-28-E Section 35, N/2**  
**Evelyn 35 State Com. #1 Well**  
 ( Wells shown are Morrow Penetrations )  
 1" = 2000 Feet

By: L. Scarborough	Drawn By: KAM	Date: 2-13-97
Date: 2-13-97	Revised By: D. Pear	Date: 2-19-97
Dept: Land	Dwg No.:	

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form 0-1  
Revised February 10, 1988  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

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

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

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-29133	Pool Code	Pool Name EMPIRE, SOUTH, MORROW
Property Code	Property Name EVELYN 35 STATE COM.	Well Number 1
OGRID No. 000990	Operator Name ARCO PERMIAN	Elevation 3663

Surface Location

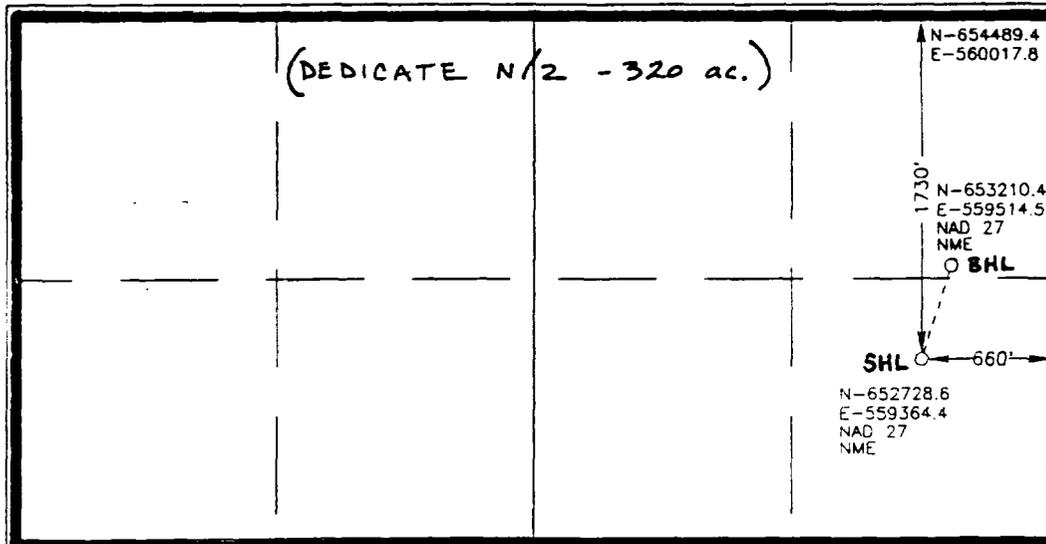
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	35	17 S	28 E		1730	NORTH	660	EAST	EDUCATION

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
A	35	17 S	28 E		1253	NORTH	508	EAST	EDUCATION

Dedicated Acres 320	Joint or Infill	Consolidation Code U	Order No.
------------------------	-----------------	-------------------------	-----------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Charles W. Knight, Jr.  
Signature

CHARLES W. KNIGHT, JR.  
Printed Name

AGENT  
Title

2-6-97  
Date

SURVEYOR CERTIFICATION

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

JAN. 15, 1997

Date Surveyed \_\_\_\_\_  
Signature & Seal \_\_\_\_\_  
Professional Surveyor

Professional Surveyor Seal: RONALD W. EIDSON, NEW MEXICO, 3239, 2-04, 97-16-0198, REGISTERED PROFESSIONAL SURVEYOR

BEFORE THE  
OIL CONSERVATION DIVISION  
Santa Fe, New Mexico

Case No. 11727 Exhibit No. 2

Submitted by: ARCO Permian a unit of Atlantic Richfield

Hearing Date: March 6, 1997

Certificate No. JOHN W. WEST 67  
RONALD W. EIDSON 35  
RONALD W. EIDSON 12

Evelyn 35 State Com #1 Well  
 Township 17 South, Range 28 East  
 Section 35: N/2  
 Eddy County, New Mexico

Twp/Rge	Sec	Description	Operator	Well Name
17S/28E	35	S2	Arco	BX
17S/28E	36	W2	Arco	Dorothy
17S/28E	23	SE	Mewbourne	
17S/28E	24	S2	Arco	State CC
17S/28E	25	S2	Hartman	BV #1
17S/28E	34	N2	Mewbourne	
17S/28E	34	S2	Arco	
18S/28E	1	N2	Amoco	ESDU #10
18S/28E	2	N2	Brothers	Red Fork
WI				
			Arco	0.31250
			Amoco	0.31250
			Yates	0.13545
			Dreyfus	0.11975
			Marathon	0.11975

*Morrison*  
*Morrison*  
*Morrison*  
*Morrison*

**BEFORE THE  
 OIL CONSERVATION DIVISION**  
 Santa Fe, New Mexico

Case No. 11727 Exhibit No. 3

Submitted by: ARCO Permian a unit of Atlantic Richfield

Hearing Date: March 6, 1997



**EXHIBIT A**

Doyle Hartman  
Box 10426  
Midland, TX 79702

Mewbourne Oil Company  
500 West Texas, Suite 1050  
Midland, TX 79701

Brothers Petroleum  
Post Office Box 7515  
Midland, TX 79708

Amoco Production Company  
Post Office Box 3092  
Houston, TX 77253

CAMPBELL, CARR, BERGE  
& SHERIDAN, P.A.  
LAWYERS

MICHAEL B CAMPBELL  
WILLIAM F CARR  
BRADFORD C BERGE  
MARK F SHERIDAN

MICHAEL H FELDEWERT  
TANYA M TRUJILLO  
PAUL R OWEN

JACK M CAMPBELL  
OF COUNSEL

JEFFERSON PLACE  
SUITE 1 - 110 NORTH GUADALUPE  
POST OFFICE BOX 2208  
SANTA FE, NEW MEXICO 87504-2208  
TELEPHONE: (505) 988-4421  
TELECOPIER (505) 983-6043

January 30, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Doyle Hartman  
Box 10426  
Midland, TX 79702

Re: Application of Arco Permian, a Division of Atlantic Richfield Company, for an unorthodox bottomhole location and directional drilling, Eddy County, New Mexico

Dear Mr. Hartman:

This letter is to advise you that Arco Permian, a Division of Atlantic Richfield Company has filed the enclosed application with the New Mexico Oil Conservation Division seeking an order approving an unorthodox bottomhole location and the directional drilling of its Evelyn 35 State Com Well No.1 which Arco proposes to directionally drill to the base of the Upper Mississippian formation from a surface location 1730 feet from the North line and 660 feet from the East line to an unorthodox bottomhole location in the Morrow formation within 100 feet of a point 1253 feet from the North line and 508 feet from the East line of said Section 35.

This application has been set for hearing before a Division Examiner on February 20, 1997. You are not required to attend this hearing, but as an owner of an interest that may be affected by the order entered in this case, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Doyle Hartman  
January 30, 1997  
Page 2

Parties appearing in cases have been requested by the Division (Memorandum 2-90) to file a Prehearing Statement substantially in the form prescribed by the Division. Prehearing statements should be filed by 4:00 o'clock p.m. on the Friday before a scheduled hearing.

Very truly yours,

A handwritten signature in cursive script, appearing to read "W. F. Carr".

WILLIAM F. CARR  
ATTORNEY FOR ARCO PERMIAN,  
A DIVISION OF ATLANTIC RICHFIELD COMPANY  
WFC:mlh

Enc.

cc: Lee Scarborough

Is your **RETURN ADDRESS** completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return the card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1.  Addressee's Address

2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Doyle Hartman  
Box 10426  
Midland, TX 79702

4a. Article Number

P551044646

4b. Service Type

- Registered
- Express Mail
- Return Receipt for Merchandise
- Insured
- COD
- Certified

7. Date of Delivery **FEB 18 1997**

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

*X [Signature]*

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 551 044 646  
US Postal Service  
**Receipt for Certified Mail**

Doyle Hartman  
Box 10426  
Midland, TX 79702

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
<b>TOTAL Postage &amp; Fees</b>	<b>\$</b>
Postmark or Date	<i>January 30, 1997</i>

PS Form 3800, April 1995

CAMPBELL, CARR, BERGE  
& SHERIDAN, P.A.  
LAWYERS

MICHAEL B. CAMPBELL  
WILLIAM F. CARR  
BRADFORD C. BERGE  
MARK F. SHERIDAN

MICHAEL H. FELDEWERT  
TANYA M. TRUJILLO  
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JACK M. CAMPBELL  
OF COUNSEL

JEFFERSON PLACE  
SUITE 1 - 110 NORTH GUADALUPE  
POST OFFICE BOX 2208  
SANTA FE, NEW MEXICO 87504-2208  
TELEPHONE (505) 968-4421  
TELECOPIER (505) 963-6043

January 30, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mewbourne Oil Company  
500 West Texas, Suite 1050  
Midland, TX 79701

Re: Application of Arco Permian, a Division of Atlantic Richfield Company, for  
an unorthodox bottomhole location and directional drilling, Eddy County, New  
Mexico

Gentlemen:

This letter is to advise you that Arco Permian, a Division of Atlantic Richfield Company has filed the enclosed application with the New Mexico Oil Conservation Division seeking an order approving an unorthodox bottomhole location and the directional drilling of its Evelyn 35 State Com Well No.1 which Arco proposes to directionally drill to the base of the Upper Mississippian formation from a surface location 1730 feet from the North line and 660 feet from the East line to an unorthodox bottomhole location in the Morrow formation within 100 feet of a point 1253 feet from the North line and 508 feet from the East line of said Section 35.

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Mewbourne Oil Company

January 30, 1997

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WILLIAM F. CARR

ATTORNEY FOR ARCO PERMIAN,

A DIVISION OF ATLANTIC RICHFIELD COMPANY

WFC:mlh

Enc.

cc: Lee Scarborough

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500 West Texas, Suite 1050  
Midland, TX 79701

4a. Article Number

P 551 044 647

4b. Service Type

- Registered
- Express Mail
- Return Receipt for Merchandise
- COD
- Certified
- Insured

7. Date of Delivery

1-30-97

8. Addressee's Address (Only if requested and fee is paid)

5. Received By: (Print Name)

X *Blair*

6. Signature: (Addressee or Agent)

PS Form 3800, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 551 044 647

US Postal Service  
**Receipt for Certified Mail**

Mewbourne Oil Company  
500 West Texas, Suite 1050  
Midland, TX 79701

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	January 30, 1997

PS Form 3800, April 1995

CAMPBELL, CARR, BERGE  
& SHERIDAN, P.A.  
LAWYERS

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POST OFFICE BOX 2208  
SANTA FE, NEW MEXICO 87504-2208  
TELEPHONE (505) 988-4421  
TELECOPIER (505) 983-6043

January 30, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Brothers Petroleum  
Post Office Box 7515  
Midland, TX 79708

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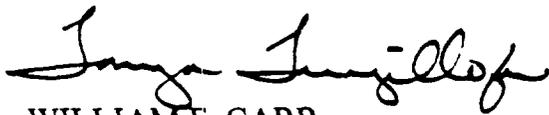
Brothers Petroleum

January 30, 1997

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WILLIAM F. CARR

ATTORNEY FOR ARCO PERMIAN,

A DIVISION OF ATLANTIC RICHFIELD COMPANY

WFC:mlh

Enc.

cc: Lee Scarborough

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  - 2.  Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

Brothers Petroleum  
Post Office Box 7515  
Midland, TX 79708

4a. Article Number

P 551 044 648

4b. Service Type

- Registered  Certified
- Express Mail  Insured
- Return Receipt for Merchandise  COD

7. Date of Delivery

4-97

8. Addressee's Address (Only if requested and fee is paid)

5. Received By: (Print Name)

Signature: *James H. Brooks*  
X

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 551 044 648

US Postal Service  
**Receipt for Certified Mail**

Brothers Petroleum  
Post Office Box 7515  
Midland, TX 79708

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	January 30, 1997

PS Form 3800, April 1995

CAMPBELL, CARR, BERGE  
& SHERIDAN, P.A.  
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TELEPHONE (505) 988-4421  
TELECOPIER (505) 983-6043

January 30, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Amoco Production Company  
Post Office Box 3092  
Houston, TX 77253

Re: Application of Arco Permian, a Division of Atlantic Richfield Company, for an unorthodox bottomhole location and directional drilling, Eddy County, New Mexico

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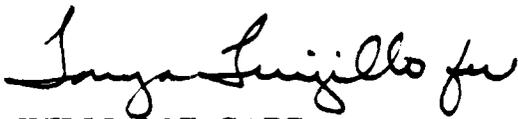
Amoco Production Company

January 30, 1997

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WILLIAM F. CARR

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WFC:mlh

Enc.

cc: Lee Scarborough

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- Write "Return Receipt Requester" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1.  Addressee's Address
- 2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Amoco Production Company  
Post Office Box 3092  
Houston, TX 77253

4a. Article Number

P 551 044 649

4b. Service Type

- Registered
- Express Mail
- Return Receipt for Merchandise
- COD
- Certified
- Insured

7. Date of Delivery

FEB 4 1997

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 551 044 649

US Postal Service  
**Receipt for Certified Mail**

Amoco Production Company  
Post Office Box 3092  
Houston, TX 77253

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	January 30, 1997

PS Form 3800 April 1995

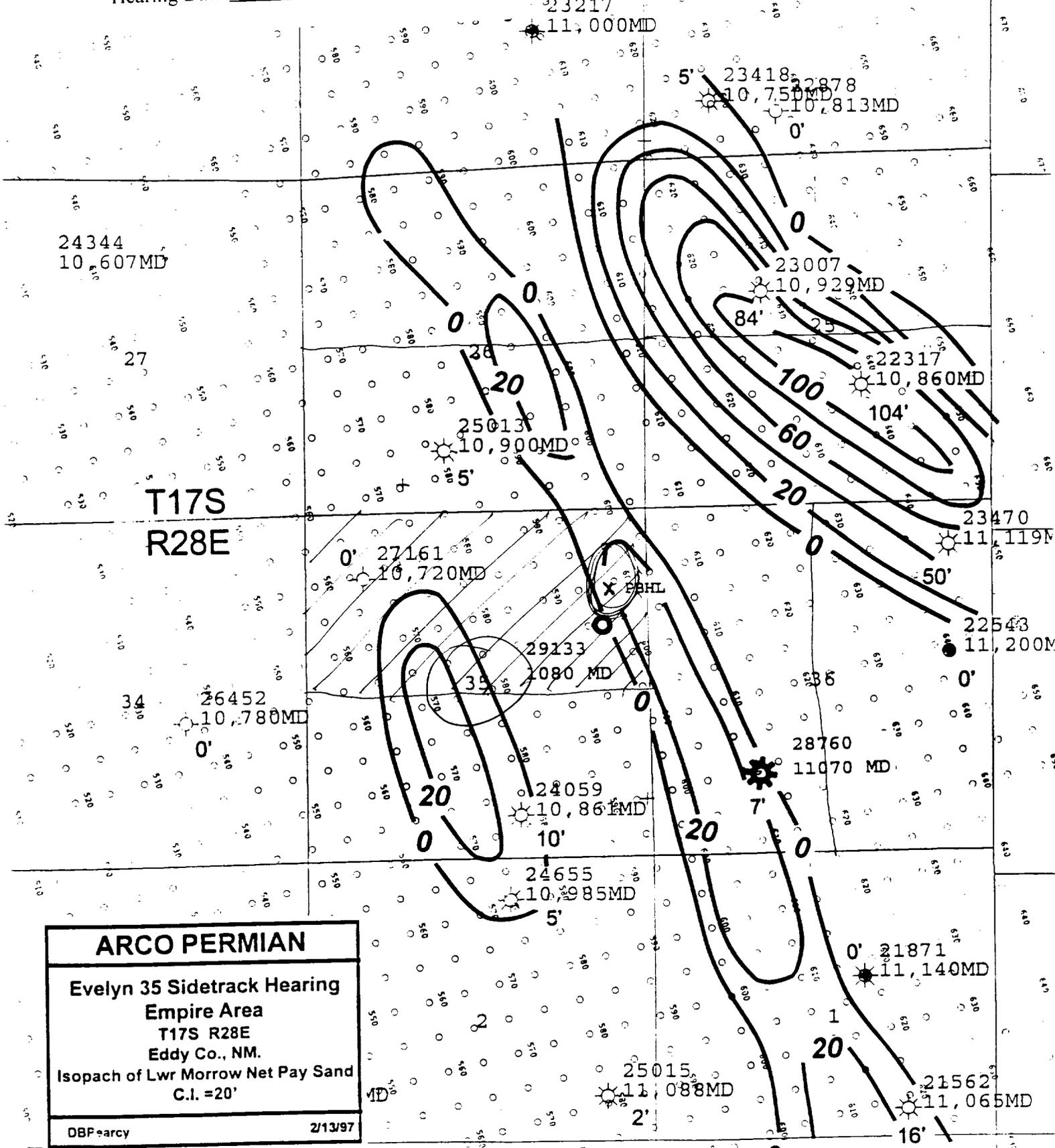
**BEFORE THE  
OIL CONSERVATION DIVISION**  
Santa Fe, New Mexico

20861  
200398

Case No. 11727 Exhibit No. 5

Submitted by: ARCO Permian a unit of Atlantic Richfield

Hearing Date: March 6, 1997

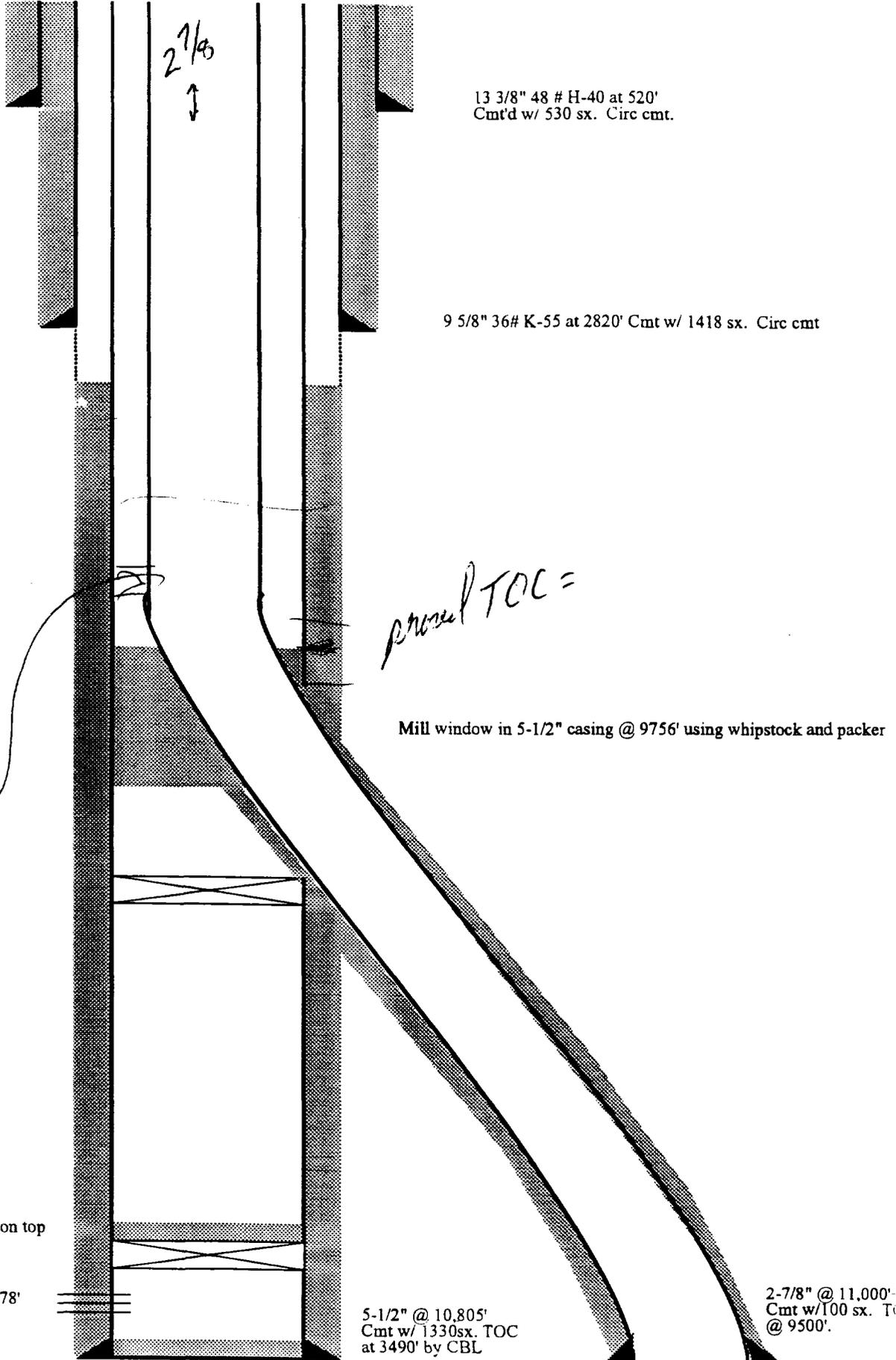


<b>ARCO PERMIAN</b>	
Evelyn 35 Sidetrack Hearing Empire Area T17S R28E Eddy Co., NM.	
Isopach of Lwr Morrow Net Pay Sand C.I. = 20'	
DBParcy	2/13/97



# Evelyn 35 State Com #1 Proposed Wellbore Diagram

*Shut In*



13 3/8" 48 # H-40 at 520'  
Cmt'd w/ 530 sx. Circ cmt.

9 5/8" 36# K-55 at 2820' Cmt w/ 1418 sx. Circ cmt

*prop'd TOC =*

Mill window in 5-1/2" casing @ 9756' using whipstock and packer

**BEFORE THE  
OIL CONSERVATION DIVISION  
Santa Fe, New Mexico**

Case No. 11727 Exhibit No. 7

Submitted by: ARCO Permian a unit of Atlantic Richfield

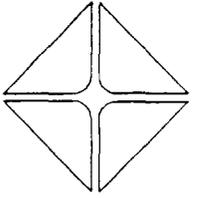
Hearing Date: March 6, 1997

CIBP @ 10,520' w/35' cmt on top

Morrow perfs 10,570-10,578'

5-1/2" @ 10,805'  
Cmt w/ 1330sx. TOC  
at 3490' by CBL

2-7/8" @ 11,000'  
Cmt w/100 sx. TOC  
@ 9500'.

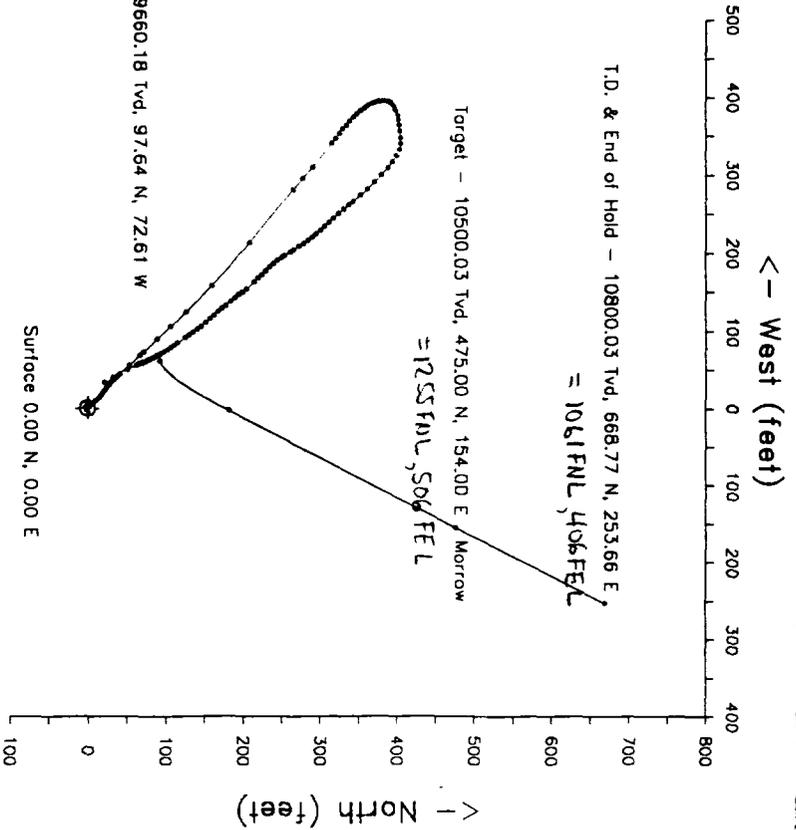
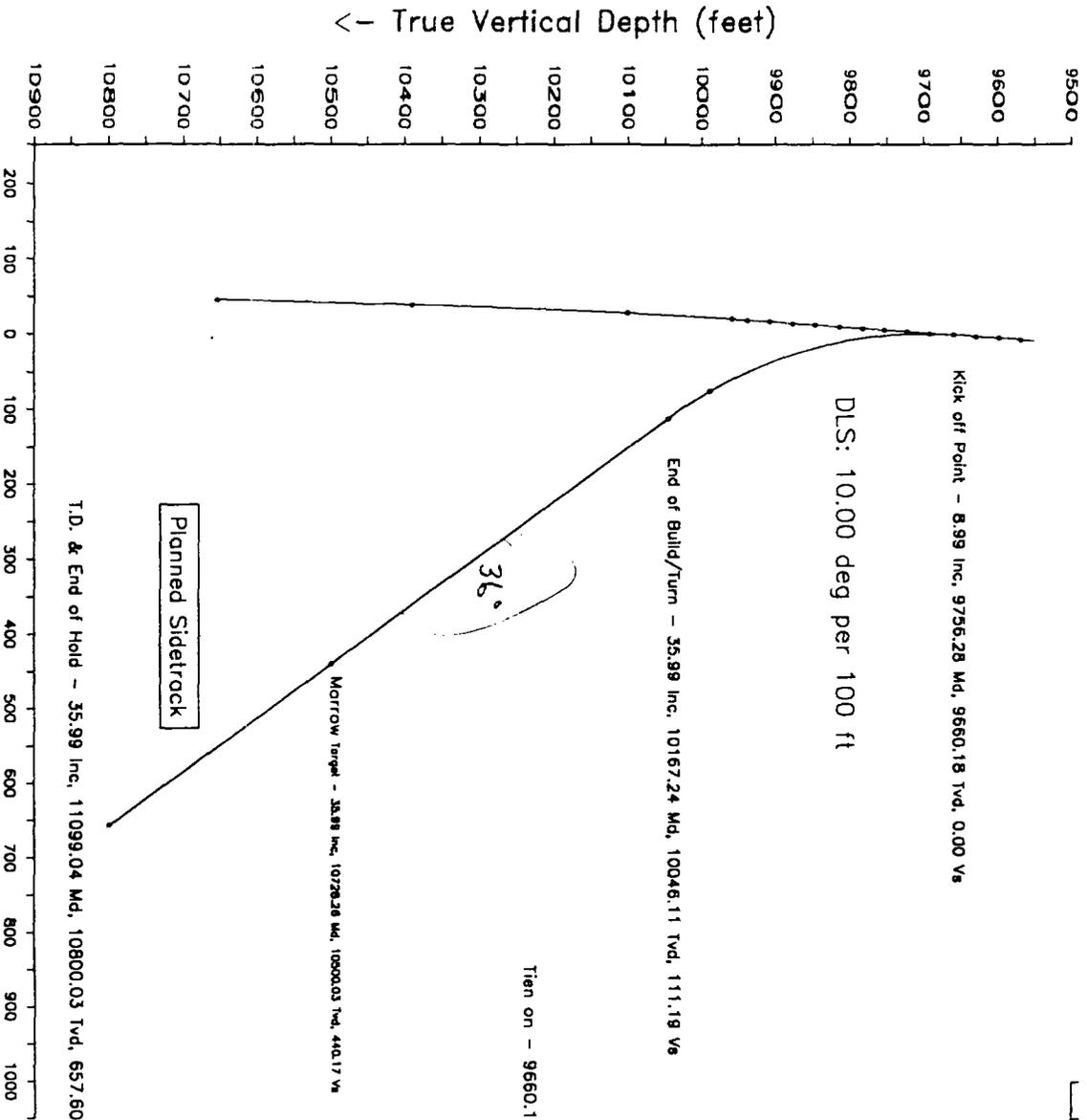


# ARCO PERMIAN

Structure : Amoco Evelyn 35 No. 1  
 Location : EDDY CO., NEW MEXICO  
 Slot : slot #1  
 Field :



BP notes



Azimuth 30.97 with reference 97.64 N, 72.61 W from slot #1

## WELL PROFILE DATA

Point	MD	Inc	Dr	TVD	North	East	V. Sect	Dep/100
ICP	9726.28	8.99	148.83	9660.18	87.64	-72.61	0.00	0.00
ICP	9807.20	8.17	75.08	9756.03	82.88	-61.37	1.70	10.00
End of Build/Turn	10167.24	35.99	27.22	10046.11	181.81	3.21	111.19	10.00
Target	10726.28	35.99	27.22	10000.03	476.00	154.00	440.17	0.00
T.D. & End of Hold	11099.04	35.99	27.22	10999.04	668.77	253.66	657.60	0.00

ARCO Evelyn  
 Case 11727

District I  
 PO Box 1980, Hobbs, NM 88241-1980  
 District II  
 PO Drawer DD, Artesia, NM 88211-0719  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 PO Box 2088, Santa Fe, NM 87504-2088

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

AMENDED REPORT

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

<sup>1</sup> Operator name and Address <b>ARCO PERMIAN P.O. BOX 1610 MIDLAND, TX 79702</b>		<sup>2</sup> OGRID Number <b>000990</b>
		<sup>3</sup> API Number <b>30-0</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>EVELYN 35 STATE COM</b>	<sup>6</sup> Well Number <b>1</b>

<sup>7</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<b>H</b>	<b>3E</b>	<b>17S</b>	<b>28E</b>		<b>1730</b>	<b>NORTH</b>	<b>660</b>	<b>EAST</b>	<b>EDDY</b>

<sup>8</sup> 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
<b>A</b>	<b>35</b>	<b>17S</b>	<b>28E</b>		<b>1253</b>	<b>NORTH</b>	<b>508</b>	<b>EAST</b>	<b>EDDY</b>

<sup>9</sup> Proposed Pool 1 <b>EMPIRE, SOUTH (MORROW)</b>	<sup>10</sup> Proposed Pool 2
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<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>G</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>3663</b>
<sup>16</sup> Multiple <b>NO</b>	<sup>17</sup> Proposed Depth <b>11,000'</b>	<sup>18</sup> Formations <b>MORROW</b>	<sup>19</sup> Contractor <b>NA</b>	<sup>20</sup> Spud Date <b>3/1/97</b>

<sup>21</sup> Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>17 1/2</b>	<b>13 3/8</b>	<b>48</b>	<b>520</b>	<b>530</b>	<b>SURF</b>
<b>12 1/4</b>	<b>9 5/8</b>	<b>36</b>	<b>2820</b>	<b>1418</b>	<b>SURF</b>
<b>8 3/4</b>	<b>5 1/2</b>	<b>17</b>	<b>10,805</b>	<b>1330</b>	<b>3490' CBI</b>
<b>PROPOSED</b>					
<b>4 3/4"</b>	<b>2 7/8"</b>	<b>6.5</b>	<b>11,000' MD</b>	<b>150</b>	<b>9000'</b>

<sup>22</sup> 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

**THIS IS AN EXISTING WELLBORE THAT HAS BEEN T/A WITH A CIBP SET AT 10,520' + 35' CMT.**  
**THE FOLLOWING MORROW SIDETRACK IS PROPOSED:**  
 1. SET WHIPSTOCK & MILL WINDOW IN 5 1/2" CASING AT 9200'.  
 2. DRILL 4 3/4" SIDETRACK HOLE THROUGH MORROW TO 11,000'.  
 3. RUN 2 7/8" TUBING TO NEW TD & CEMENT W/ 150 SX TO TIE BACK TO 5 1/2" WITH TOC AT 9000'.

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

Signature: *Charles W. Knight, Jr.*

Printed name: **CHARLES W. KNIGHT, JR.**

Title: **AGENT**

Date: **02-07-97** Phone: **915 688-5672**

**BEFORE THE**  
**OIL CONSERVATION DIVISION**  
 Santa Fe, New Mexico

Case No. 11727 Exhibit No. 9

Submitted by: ARCO Permian a unit of Atlantic Richfield  
 Hearing Date: March 6, 1997