

Ph: 505-622-1299



JERRY W. LONG  
CONSULTANT

2709 Resolana Dr.  
Roswell, NM 88201

August 24, 1992

STATE OF NEW MEXICO  
Energy and Minerals Department  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501-2088

Re: Application for Unorthodox Oil Locations  
SOCORRO PETROLEUM COMPANY  
Keel-West Waterflood Project  
Federal Lease LC 029426-A  
Eddy County, New Mexico

Gentlemen:

You are respectfully requested to grant administrative approval under Rule 104F.(1) for unorthodox locations for infill producing wells within the Keel-West Waterflood Project, at the following locations:

No.22 H.E. West "A" - 1345'FSL, 35'FEL, Sec. 4, T.17S., R.31E.  
No.23 H.E. West "A" - 140'FSL, 35'FEL, Sec. 4, T.17S., R.31E.

The above locations do not conform to Rule 104.C.I. because they are located closer than 330' to the governmental quarter-quarter section boundaries. They will be drilled to about 4900' to produce from the Grayburg-San Andres formation. The wells will be drilled at the unorthodox locations, in order to prevent waste by developing an efficient production and injection pattern within the Keel-West Waterflood Project, which was approved under Order R-2268.

Enclosed are copies of the well location plats, Application to Drill, and a map indicating lease ownership and locations of off-set Grayburg wells. The information in this request is accurate to the best of my knowledge.

A copy of this application has been mailed to the Bureau of Land Management.

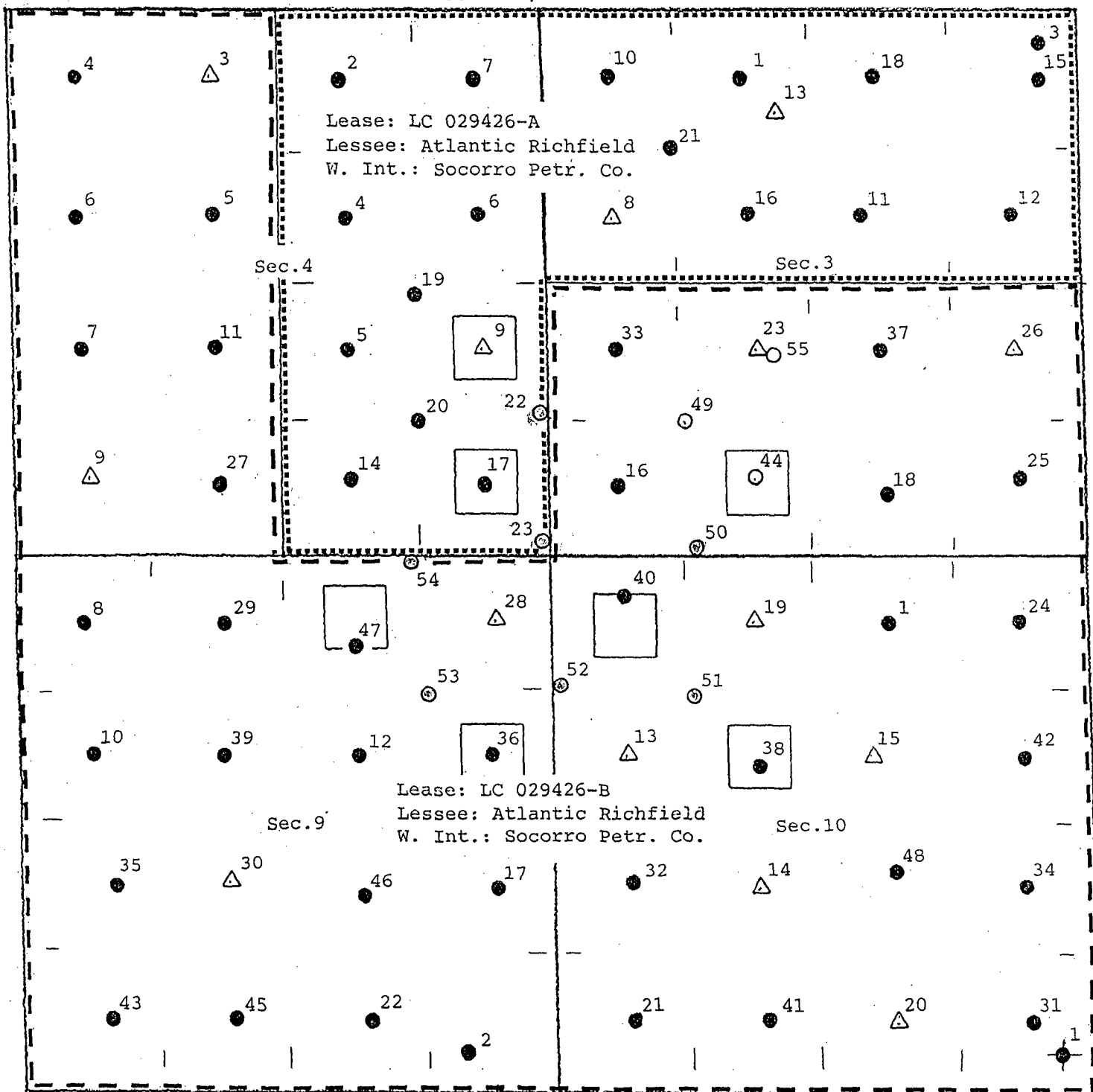
Sincerely yours,

JERRY W. LONG  
Permit Agent for:  
SOCORRO PETROLEUM COMPANY

JWL/bll

SOCORRO PETROLEUM COMPANY  
KEEL-WEST WATERFLOOD PROJECT  
Eddy County, New Mexico

T.17S., R.31E.



Standard Location



Proposed Location

OWNERSHIP MAP

(Grayburg)

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

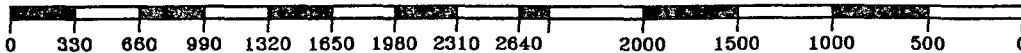
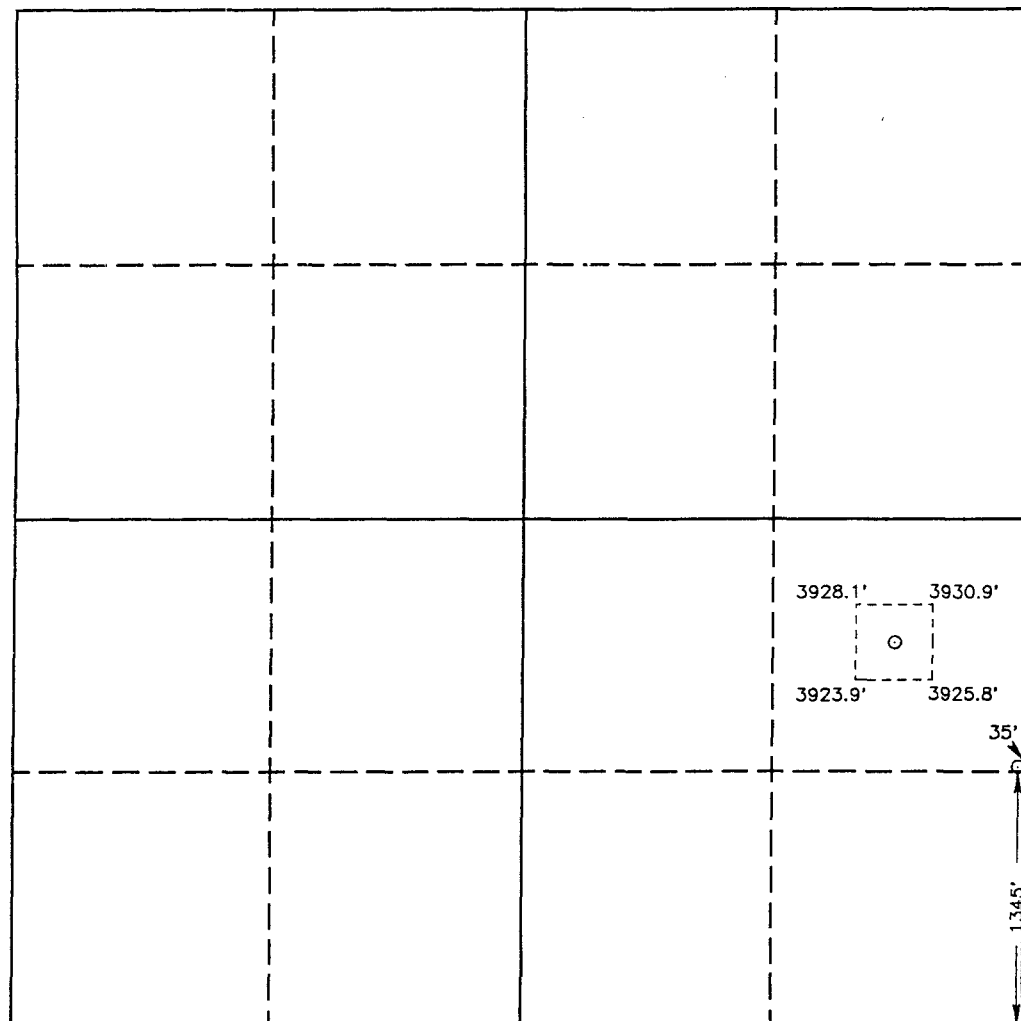
Operator SOCORRO PETROLEUM COMPANY			Lease H.E. WEST "A"		Well No. 22
Unit Letter I	Section 4	Township 17 SOUTH	Range 31 EAST	County EDDY	
Actual Footage Location of Well: 1345 feet from the SOUTH line and 35 feet from the EAST line					
Ground Level Elev. 3928.4'	Producing Formation		Pool	Dedicated Acreage: Acres	

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

☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

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

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



**OPERATOR CERTIFICATION**

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

Signature

Printed Name

Position

Company

Date

**SURVEYOR CERTIFICATION**

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

Date Surveyed

AUGUST 7, 1992

Signature & Seal of Professional Surveyor

Certificate No. 876  
JOHN W. WEST  
RONALD CEDSON 3239  
GARY E. JONES 7977

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

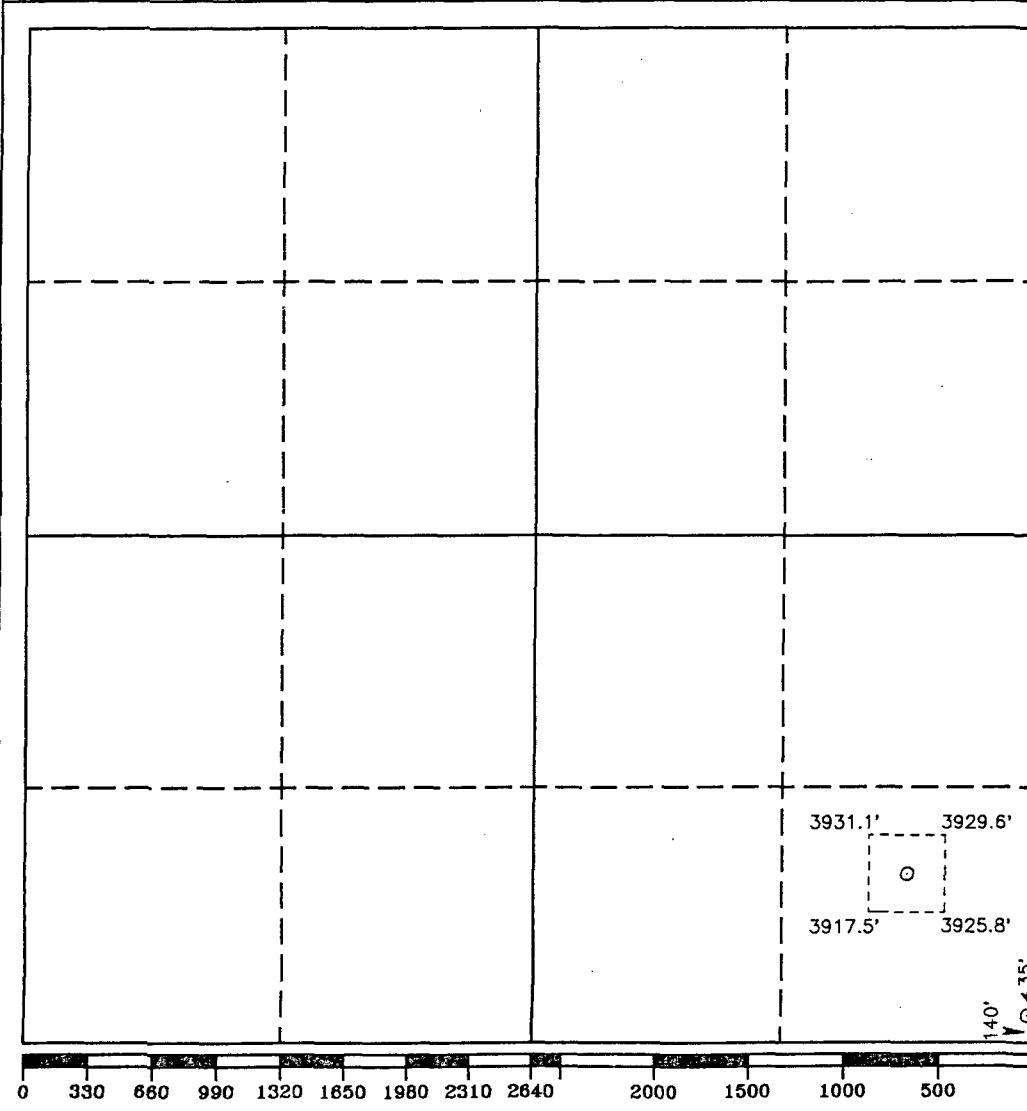
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator SOCORRO PETROLEUM COMPANY			Lease H.E. WEST "A"		Well No. 23
Unit Letter P	Section 4	Township 17 SOUTH	Range 31 EAST NMPM	County EDDY	
Actual Footage Location of Well: 140 feet from the SOUTH line and 35 feet from the EAST line					
Ground Level Elev. 3924.6'	Producing Formation		Pool	Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
  2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
  3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_
- If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.) \_\_\_\_\_
- No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature

Printed Name

Position

Company

Date

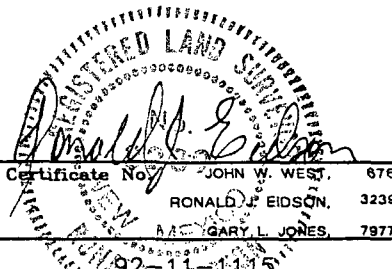
SURVEYOR CERTIFICATION

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

Date Surveyed

AUGUST 7, 1992

Signature & Seal of  
Professional Surveyor

  
Certificate No. JOHN W. WEST, 678  
RONALD J. EIDSON, 3239  
GARY L. JONES, 7977  
92-11-115

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER IN-FILL WELL

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

SOCORRO PETROLEUM COMPANY

3. ADDRESS AND TELEPHONE NO.

P.O. Box 37

Ph. 505-677-3223

Loco Hills, New Mexico 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

1345' FSL, 35' FEL, Sec. 4, T.17S., R.31E.

(Unit I)

At proposed prod. zone  
Same

(NESE)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6.75 Air miles northeast of Loco Hills, New Mexico

10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 35'

16. NO. OF ACRES IN LEASE

639.56 Ac.

13. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 800' ±

19. PROPOSED DEPTH

4900'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3928.4' GL

22. APPROX. DATE WORK WILL START\*

As Soon As Possible

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55	54.5#	560'	500± sx Class C (Circ)
12-1/4"	8-5/8" J-55	24.0#	1730'	850± sx Class C (Circ)
7-7/8"	5-1/2" J-55	17.0#	4900'	1000± sx Class C (Circ)

Propose to drill to about 4900' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to circulate to the surface. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

See attached Drilling Data and Surface Use Plan.

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

24.

SIGNED

JERRY W. LONG

TITLE Permit Agent

DATE August 19, 1992

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Ron Dutton

TITLE

AREA MANAGER  
CARLSBAD RESOURCE AREA

DATE

9-10-92

\*See Instructions On Reverse Side

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

RECEIVED  
AUG 21 11 20 AM '92  
CARLSBAD RESOURCE AREA HEADQUARTERS

(December 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other instructions on  
reverse side)

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER IN-FILL WELL

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

SOCORRO PETROLEUM COMPANY

3. ADDRESS AND TELEPHONE NO.

P.O. Box 37

Ph. 505-677-3223

Loco Hills, New Mexico 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

140' FSL, 35' FEL, Sec. 4, T. 17S., R. 31E.

(Unit P)

At proposed prod. zone

Same

(SESE)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6.75 Air miles northeast of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

35'

16. NO. OF ACRES IN LEASE

639.56 Ac.

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

800' ±

19. PROPOSED DEPTH

4900'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3924.6' GL

22. APPROX. DATE WORK WILL START\*

As Soon As Possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55	54.5#	560'	500± sx Class C (Circ)
12-1/4"	8-5/8" J-55	24.0#	1720'	850± sx Class C (Circ)
7-7/8"	5-1/2" J-55	17.0#	4900'	1000± sx Class C (Circ)

Propose to drill to about 4900' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to circulate to the surface. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

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

24.

SIGNED

JERRY W. LONG

TITLE Permit Agent

DATE August 19, 1992

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

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CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Ron Dutton

TITLE

DATE

9-10-92

\*See Instructions On Reverse Side

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RECEIVED  
Aug 21 11 21 AM '92  
CARLSBAD DISTRICT OFFICE  
AREA HEADQUARTERS



JERRY W. LONG  
CONSULTANT

August 24, 1992

STATE OF NEW MEXICO  
Energy and Minerals Department  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501-2088

Re: Application for Unorthodox Oil Locations  
SOCORRO PETROLEUM COMPANY  
Keel-West Waterflood Project  
Federal Lease LC 029426-B  
Eddy County, New Mexico

Gentlemen:

You are respectfully requested to grant administrative approval under Rule 104F.(1) for unorthodox locations for infill producing wells within the Keel-West Waterflood Project, at the following locations:

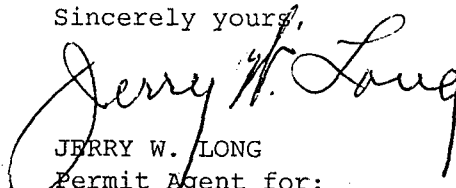
No.50 H.E. West "B" - 50'FSL, 1400'FWL, Sec. 3, T.17S., R.31E.  
No.51 H.E. West "B" - 1337'FNL, 1363'FWL, Sec.10, T.17S., R.31E.  
No.52 H.E. West "B" - 1250'FNL, 100'FWL, Sec.10, T.17S., R.31E.  
No.53 H.E. West "B" - 1350'FNL, 1250'FEL, Sec. 9, T.17S., R.31E.  
No.54 H.E. West "B" - 75'FNL, 1370'FEL, Sec. 9, T.17S., R.31E.

The above locations do not conform to Rule 104.C.I. because they are located closer than 330' to the governmental quarter-quarter section boundaries. They will be drilled to about 4900' to produce from the Grayburg-San Andres formation. The wells will be drilled at the unorthodox locations, in order to prevent waste by developing an efficient production and injection pattern within the Keel-West Waterflood Project, which was approved under Order R-2268.

Enclosed are copies of the well location plats, Application to Drill, and a map indicating lease ownership and locations of off-set Grayburg wells. The information in this request is accurate to the best of my knowledge.

A copy of this application has been mailed to the Bureau of Land Management.

Sincerely yours,

  
JERRY W. LONG  
Permit Agent for:  
SOCORRO PETROLEUM COMPANY

T.17S., R.31E.



② Proposed Location

(Grayburg)



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

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER IN-FILL WELL

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

SOCORRO PETROLEUM COMPANY

3. ADDRESS AND TELEPHONE NO.

P.O. Box 37

Ph.505-677-3223

Loco Hills, New Mexico 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

50'FSL, 1400FWL, Sec.3, T.17S., R.31E.

(Unit N)

At proposed prod. zone

Same

(SESW)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

7 Air miles northeast of Loco Hills, New Mexico

10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1400'

16. NO. OF ACRES IN LEASE

1919.88 Ac.

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

900'±

19. PROPOSED DEPTH

4900'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3926.5 GL

22. APPROX. DATE WORK WILL START\*

As Soon As Possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55	54.5#	570'	510± sx Class C (Circ)
12-1/4"	8-5/8" J-55	24.0#	1750'	850± sx Class C (Circ)
7-7/8"	5-1/2" J-55	17.0#	4900'	1000± sx Class C (Circ)

Propose to drill to about 4900' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to circulate to the surface. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

See attached Drilling Data and Surface Use Plan.

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

24.

SIGNED

JERRY W. LONG

TITLE Permit Agent

DATE August 21, 1992

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

DATE

9-8-92

\*See Instructions On Reverse Side

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RECEIVED  
AUG 21 11 21 AM '92  
CARLSON  
AREA HEADQUARTERS

**OIL CONSERVATION DIVISION**

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

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator SOCORRO PETROLEUM COMPANY			Lease H.E. WEST "B"		Well No. 50
Unit Letter N	Section 3	Township 17 SOUTH	Range 31 EAST	NMPM	County EDDY

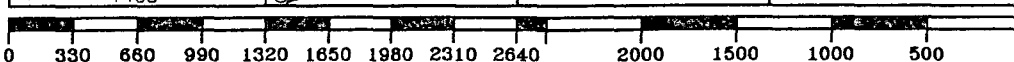
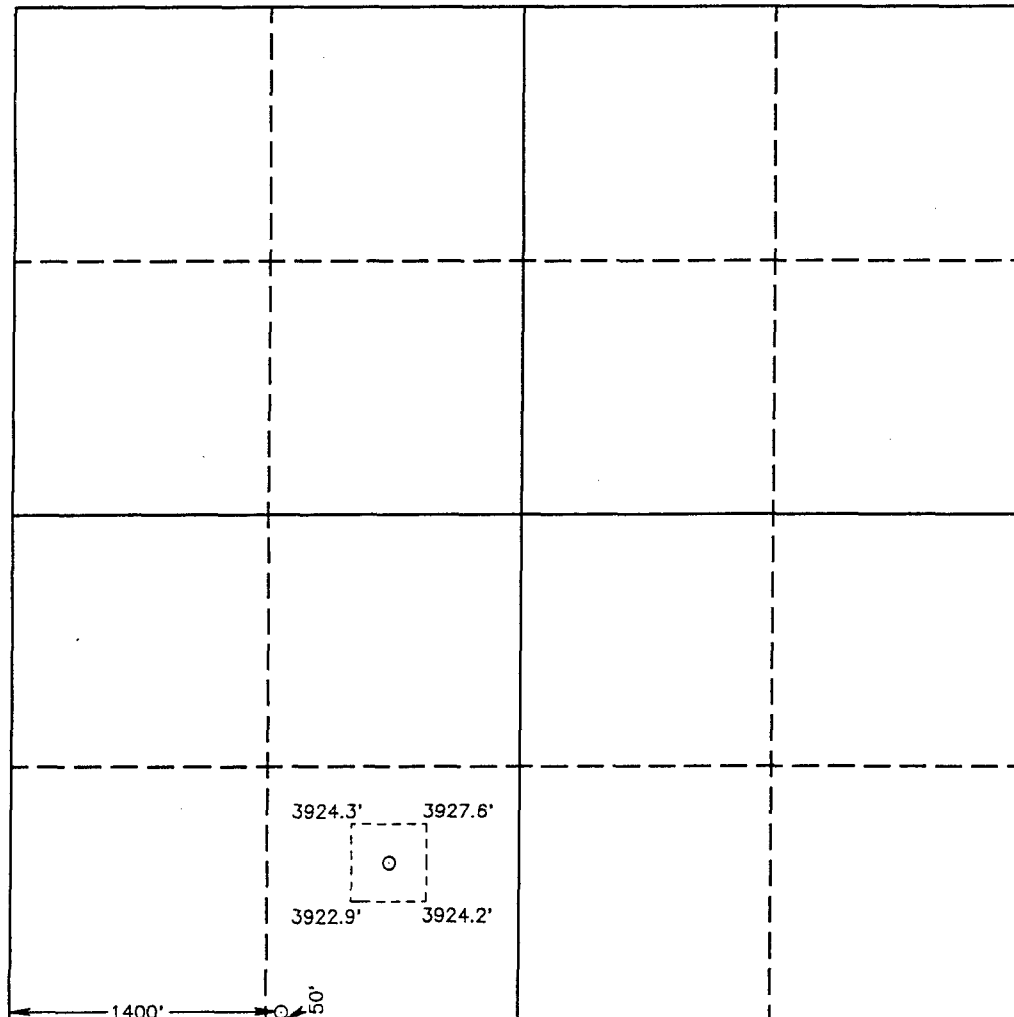
Actual Footage Location of Well:

50 feet from the SOUTH line and		1400 feet from the WEST line	
Ground Level Elev. 3926.5'	Producing Formation	Pool	Dedicated Acreage: Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

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

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



**OPERATOR CERTIFICATION**

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

Signature

Printed Name

Position

Company

Date

**SURVEYOR CERTIFICATION**

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

Date Surveyed

AUGUST 6, 1992

Signature & Seal of  
Professional Surveyor

Certificate No.	JOHN W. WEST, 876
	RONALD J. EIDSON, 3239
	GARY L. JONES, 7977

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. LC 029426-B		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER IN-FILL WELL <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR SOCORRO PETROLEUM COMPANY			7. UNIT AGREEMENT NAME Keel-West Waterflood Project		
3. ADDRESS AND TELEPHONE NO. P.O. Box 37 Ph.505-677-3223 Loco Hills, New Mexico 88255			8. FARM OR LEASE NAME, WELL NO. H.E. West "B" No.51		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1337'FNL, 1363'FWL, Sec.10, T.17S., R.31E. (Unit F) At proposed prod. zone Same (SENW)			9. AM WELL NO. LC 30-015-70277		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7 Air miles northeast of Loco Hills, New Mexico			10. FIELD AND POOL, OR WILDCAT Grayburg-Jackson Pool		
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2000'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.10, T.17S., R.31E.		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 900'±			12. COUNTY OR PARISH Eddy		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3925.3 GL			13. STATE N.M.		
16. NO. OF ACRES IN LEASE 1919.88 Ac.			17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
19. PROPOSED DEPTH 4900'			20. ROTARY OR CABLE TOOLS Rotary		
22. APPROX. DATE WORK WILL START* As Soon As Possible					

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55	54.5#	560'	500± sx Class C (Circ)
12-1/4"	8-5/8" J-55	24.0#	1730'	850± sx Class C (Circ)
7-7/8"	5-1/2" J-55	17.0#	4900'	1000± sx Class C (Circ)

Propose to drill to about 4900' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to circulate to the surface. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

See attached Drilling Data and Surface Use Plan.

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

24. SIGNED Jerry W. Long TITLE Permit Agent DATE August 21, 1992  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 9-8-92

\*See Instructions On Reverse Side

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

RECEIVED  
AUG 21 11 21 AM '92  
CARLSB. DIST. OFFICE  
AREA HEADQUARTERS

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

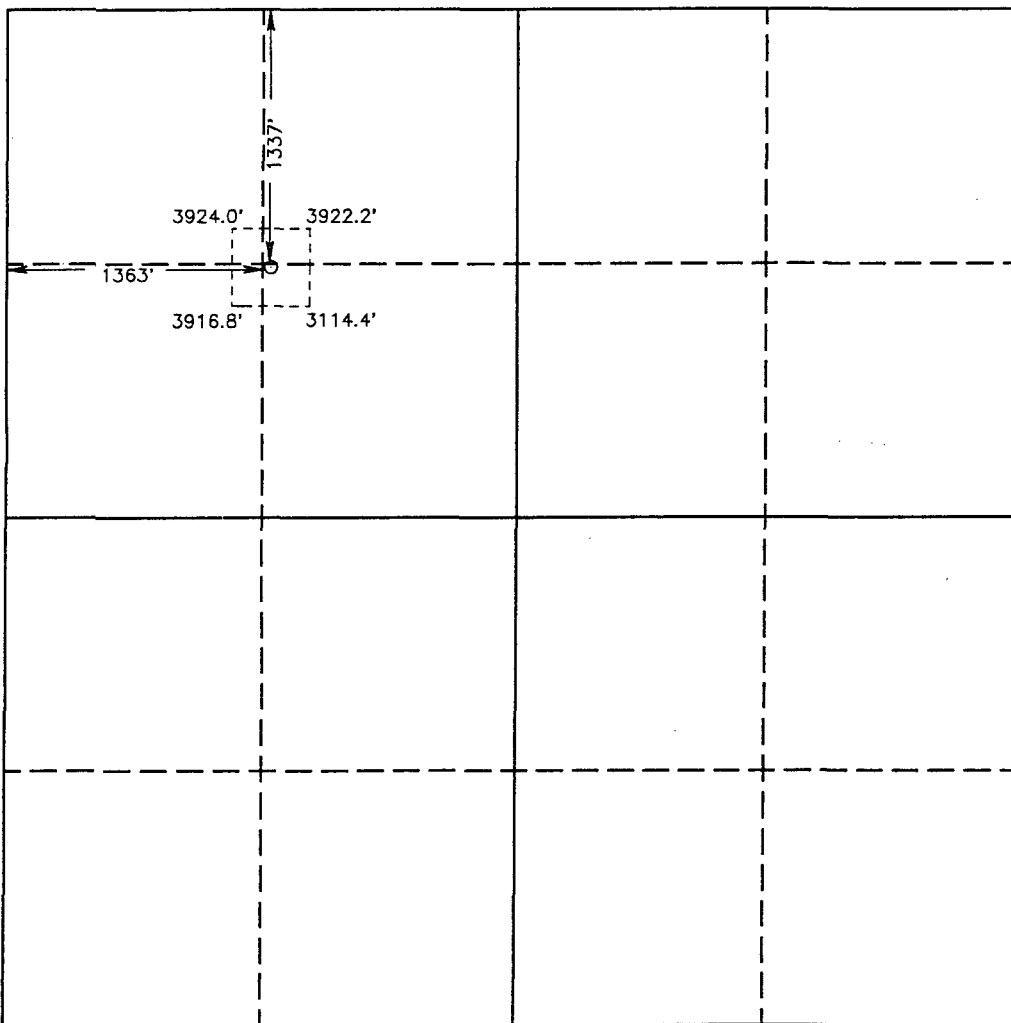
All Distances must be from the outer boundaries of the section

Operator <b>SOCORRO PETROLEUM COMPANY</b>			Lease <b>H.E. WEST "B"</b>		Well No. <b>51</b>
Unit Letter <b>F</b>	Section <b>10</b>	Township <b>17 SOUTH</b>	Range <b>31 EAST</b>	<b>NMPM</b>	County <b>EDDY</b>
Actual Footage Location of Well: <b>1337</b> feet from the <b>NORTH</b> line and <b>1363</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>3925.3'</b>	Producing Formation		Pool		Dedicated Acreage:  Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

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

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



**OPERATOR CERTIFICATION**

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

Signature

Printed Name

Position

Company

Date

**SURVEYOR CERTIFICATION**

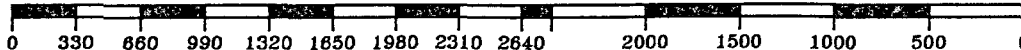
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

**AUGUST 7, 1992**

Signature & Seal of  
Professional Surveyor

**REGISTERED LAND SURVEYOR**  
No. **676**  
Certificate No. **JOHN W. WEST, 676**  
**RONALD J. EIDSON, 3239**  
**GARY L. JONES, 7977**  
**92-11-117**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER IN-FILL WELL

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

SOCORRO PETROLEUM COMPANY

3. ADDRESS AND TELEPHONE NO.

P.O. Box 37

Ph.505-677-3223

Loco Hills, New Mexico 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

1250' FNL, 100' FWL, Sec.10, T.17S., R.31E.

At proposed prod. zone Same

(Unit D)

(NWNW)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6.75 Air miles northeast of Loco Hills, New Mexico

10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1250'

16. NO. OF ACRES IN LEASE

1919.88 Ac.

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

900'±

19. PROPOSED DEPTH

4900'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3913.4 GL

22. APPROX. DATE WORK WILL START\*

As Soon As Possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55	54.5#	540'	500± sx Class C (Circ)
12-1/4"	8-5/8" J-55	24.0#	1700'	825± sx Class C (Circ)
7-7/8"	5-1/2" J-55	17.0#	4900'	1000± sx Class C (Circ)

Propose to drill to about 4900' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to circulate to the surface. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL.  
Sand-frac formation and test to tanks.

See attached Drilling Data and Surface Use Plan.

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

24.

SIGNED

JERRY W. LONG

TITLE Permit Agent

DATE August 21, 1992

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Orig. Signed by Richard L. Morris

TITLE

AREA MANAGER  
CARLSBAD RESOLVE AREA

DATE

9-29-92

\*See Instructions On Reverse Side

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

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Artec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator SOCORRO PETROLEUM COMPANY			Lease H.E. WEST "B"		Well No. 52
Unit Letter D	Section 10	Township 17 SOUTH	Range 31 EAST	NMPM	County EDDY

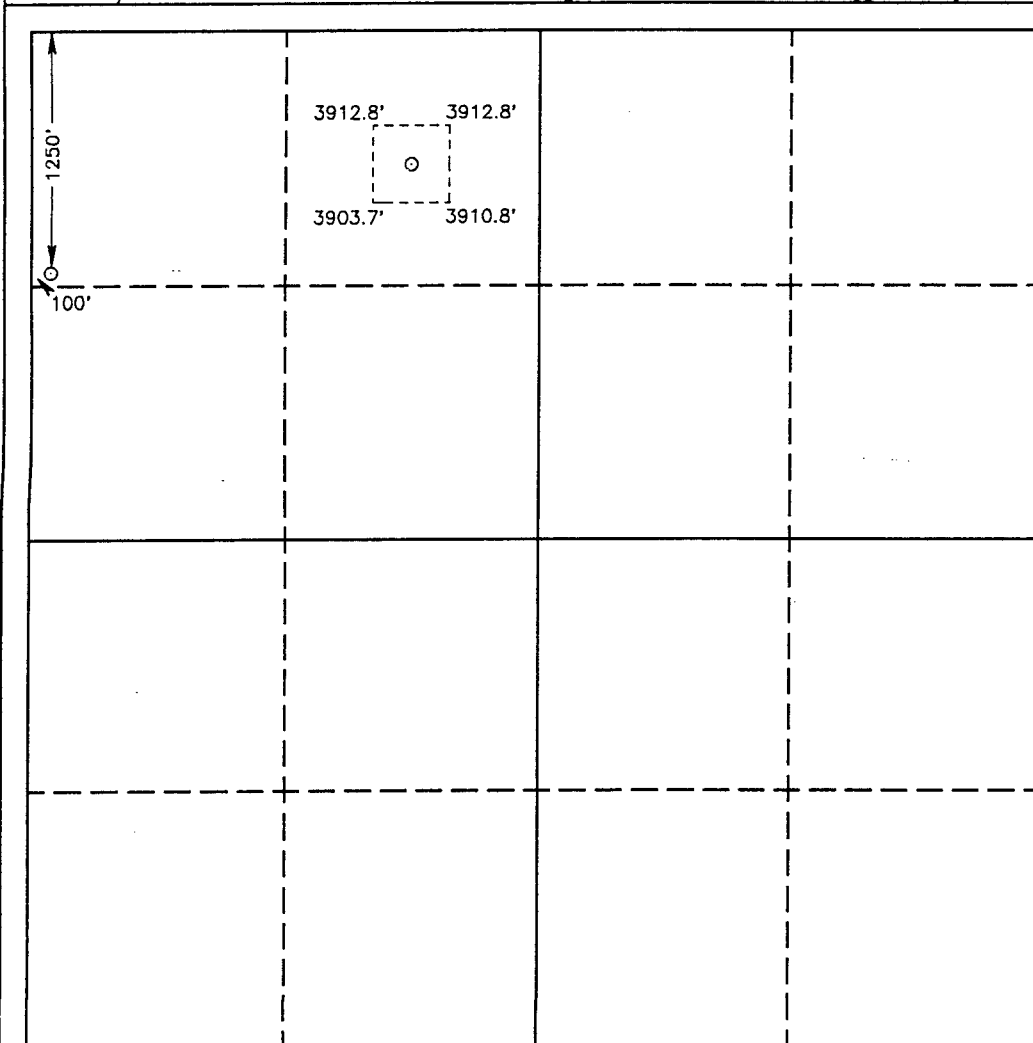
Actual Footage Location of Well:

1250 feet from the NORTH line and		100 feet from the WEST line	
Ground Level Elev. 3913.4'	Producing Formation	Pool	Dedicated Acreage: Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

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

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



**OPERATOR CERTIFICATION**

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

Signature

Printed Name

Position

Company

Date

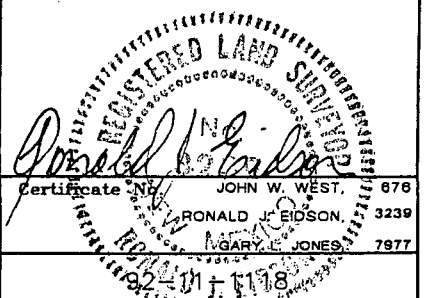
**SURVEYOR CERTIFICATION**

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

Date Surveyed

AUGUST 6, 1992

Signature & Seal of  
Professional Surveyor



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER IN-FILL WELL

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

SOCORRO PETROLEUM COMPANY

3. ADDRESS AND TELEPHONE NO.

P.O. Box 37

Ph. 505-677-3223

Loco Hills, New Mexico 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1350' FNL, 1250' FEL, Sec. 9, T. 17S., R. 31E.

(Unit H)

At proposed prod. zone Same

(SENE)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6.5 Air miles northeast of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 1350'

16. NO. OF ACRES IN LEASE

1919.88 Ac.

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

800'±

19. PROPOSED DEPTH

4900'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3897.8 GL

22. APPROX. DATE WORK WILL START\*

As Soon As Possible

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55	54.5#	510'	475± sx Class C (Circ)
12-1/4"	8-5/8" J-55	24.0#	1680'	825± sx Class C (Circ)
7-7/8"	5-1/2" J-55	17.0#	4900'	1000± sx Class C (Circ)

Propose to drill to about 4900' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to circulate to the surface. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

See attached Drilling Data and Surface Use Plan.

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

24.

SIGNED

JERRY W. LONG

TITLE Permit Agent

DATE August 21, 1992

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

DATE

\*See Instructions On Reverse Side

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

RECEIVED  
AUG 21 11 22 AM '92  
CARLSBAD RESOURCE  
AREA HEADQUARTERS

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

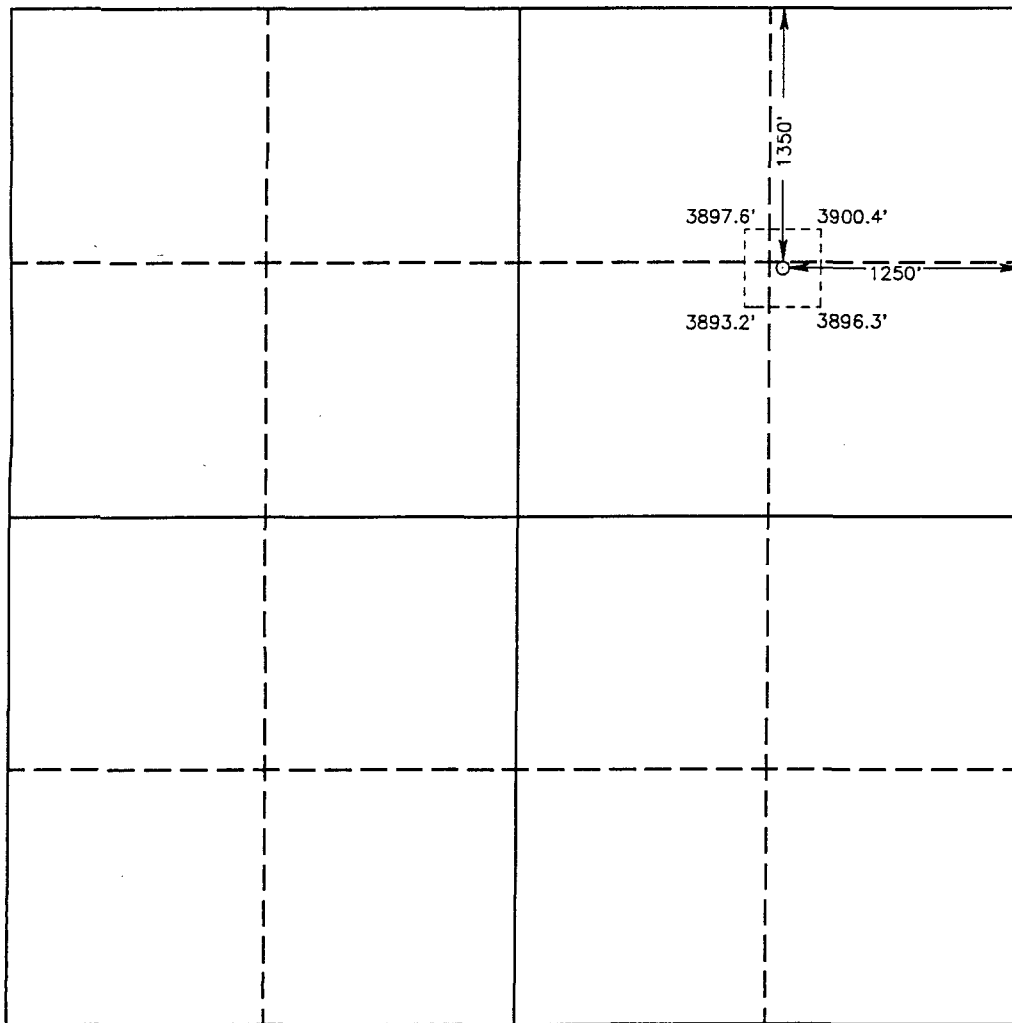
Operator SOCORRO PETROLEUM COMPANY		Lease H.E. WEST "B"		Well No. 53
Unit Letter H	Section 9	Township 17 SOUTH	Range 31 EAST NMPM	County EDDY
Actual Footage Location of Well: 1350 feet from the NORTH line and 1250 feet from the EAST line				
Ground Level Elev. 3897.8'	Producing Formation	Pool	Dedicated Acreage: Acres	

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

☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

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

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

Position

Company

Date

SURVEYOR CERTIFICATION

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

Date Surveyed

AUGUST 6, 1992

Signature & Seal of  
Professional Surveyor

REGISTERED LAND SURVEYOR  
Certificate No. JOHN W. WEST, 878  
RONALD J. EIDSON, 3239  
GARY L. JONES, 7977  
82-01-1179



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER IN-FILL WELL ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
SOCORRO PETROLEUM COMPANY

3. ADDRESS AND TELEPHONE NO.  
P.O. Box 37 Ph.505-677-3223  
Loco Hills, New Mexico 88255

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 75'FNL, 1370'FEL, Sec.9, T.17S., R.31E. (Unit B)  
At proposed prod. zone Same (NWNE)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
6.5 Air miles northeast of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 75'

16. NO. OF ACRES IN LEASE  
1919.88 Ac.

17. NO. OF ACRES ASSIGNED  
TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 900'±

19. PROPOSED DEPTH  
4900'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3908.2 GL

22. APPROX. DATE WORK WILL START\*  
As Soon As Possible

5. LEASE DESIGNATION AND SERIAL NO.  
LC 029426-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
\_\_\_\_\_

7. UNIT AGREEMENT NAME  
Keel-West Waterflood Project

8. FARM OR LEASE NAME, WELL NO.  
H.E. West "B" No.54

9. AM WELL NO.  
IC 30-015-70324-92

10. FIELD AND POOL, OR WILDCAT  
Grayburg-Jackson Pool

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec.9, T.17S., R.31E.

12. COUNTY OR PARISH  
Eddy

13. STATE  
N.M.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" J-55	54.5#	530'	500± sx Class C (Circ)
12-1/4"	8-5/8" J-55	24.0#	1680'	825± sx Class C (Circ)
7-7/8"	5-1/2" J-55	17.0#	4900'	1000± sx Class C (Circ)

Propose to drill to about 4900' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to circulate to the surface. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

See attached Drilling Data and Surface Use Plan.

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

24. SIGNED Jerry W. Long TITLE Permit Agent DATE August 21, 1992  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Dir. Region 2 TITLE AREA MANAGER DATE 10-1-92

\*See Instructions On Reverse Side

RECEIVED  
AUG 21 11 22 AM '92  
CARLE AREA

**OIL CONSERVATION DIVISION**

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

**DISTRICT I**

P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**

1000 Rio Brazos Rd., Artec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

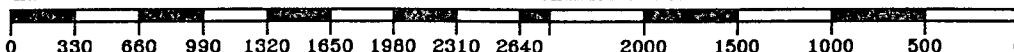
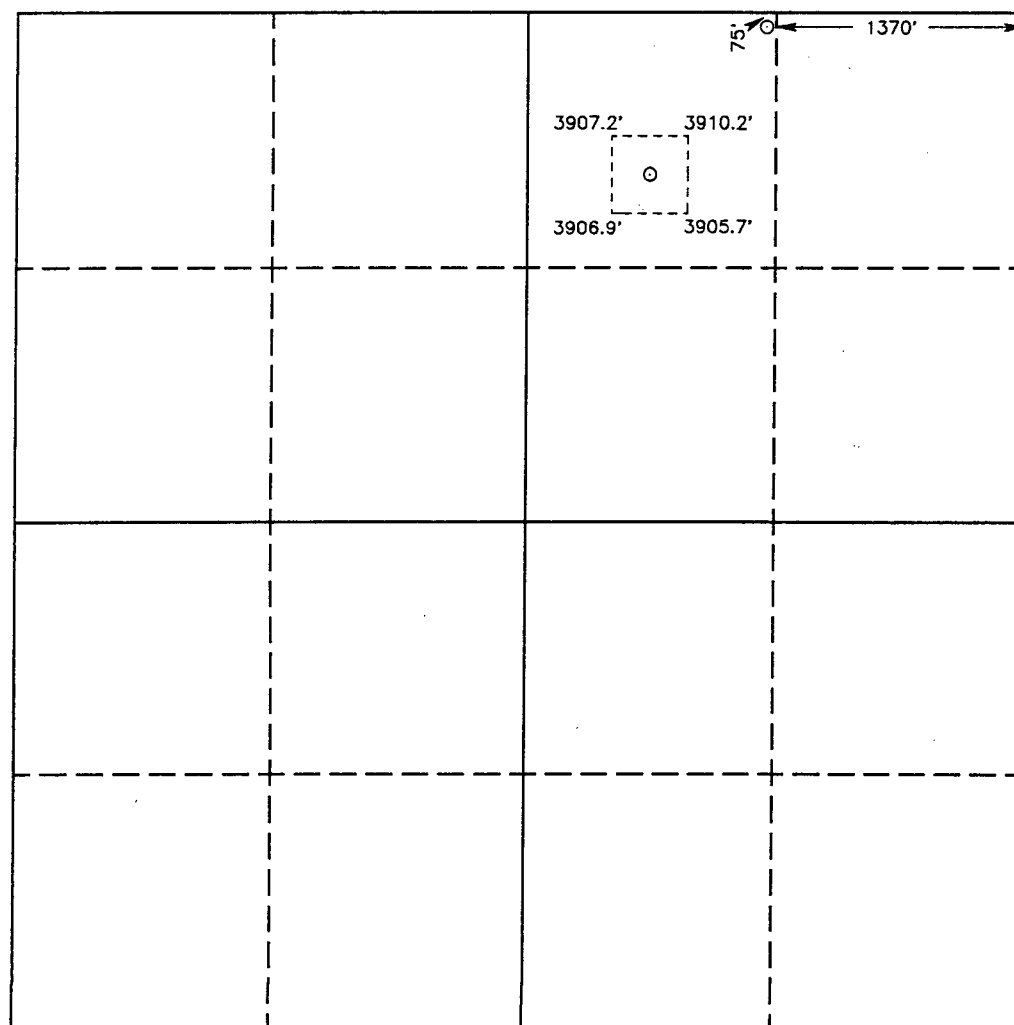
All Distances must be from the outer boundaries of the section.

Operator SOCORRO PETROLEUM COMPANY			Lease H.E. WEST "B"		Well No. 54
Unit Letter B	Section 9	Township 17 SOUTH	Range 31 EAST	NMPM	County EDDY
Actual Footage Location of Well: 75 feet from the NORTH line and 1370 feet from the EAST line					
Ground Level Elev. 3908.2'	Producing Formation		Pool		Dedicated Acreage: Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

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

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



**OPERATOR CERTIFICATION**

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

Signature

Printed Name

Position

Company

Date

**SURVEYOR CERTIFICATION**

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

Date Surveyed

AUGUST 6, 1992

Signature & Seal of  
Professional Surveyor

REGISTERED LAND SURVEYOR  
No. 9239  
Certificate No. JOHN W. WEST 676  
RONALD J. EIDSON 3239  
GARY L. JONES 7977

92-11-1120

SEP 23 1992

**COOPERATIVE DEVELOPMENT AGREEMENT**

**H. E. WEST "A" AND "B" LEASES - EDDY COUNTY, NEW MEXICO**

THIS COOPERATIVE DEVELOPMENT AGREEMENT ("**Agreement**") is made and entered into effective for all purposes as of October 1, 1992 (the "**Effective Date**"), between **SOCORRO PETROLEUM COMPANY**, a Texas Partnership ("**Socorro**"), the undersigned parties designated below as "**West 'A' Overriding Royalty Interest Owners**" (collectively, the "**West 'A' Overriding Royalty Interest Owners**"), and the undersigned parties designated below as "**West 'B' Overriding Royalty Interest Owners**" (collectively, the "**West 'B' Overriding Royalty Interest Owners**").

**R E C I T A L S:**

Socorro is the owner of (a) all oil and gas operating rights in and to the Eddy County, New Mexico lands and depths described on Exhibit A attached hereto and made a part hereof (the "**West 'A' Lands**"), as created by the federal oil and gas leases described on attached Exhibit A (the "**West 'A' Leases**"), and (b) all oil and gas operating rights in and to the Eddy County, New Mexico lands and depths described on Exhibit B attached hereto and made a part hereof (the "**West 'B' Lands**"), as created by the federal oil and gas leases described on attached Exhibit B (the "**West 'B' Leases**"). The West "A" Overriding Royalty Interest Owners collectively own all presently outstanding overriding royalty interests in production of oil, gas, and other hydrocarbons from the West "A" Lands under and by virtue of the West "A" Leases. The West "B" Overriding Royalty Interest Owners collectively own all presently outstanding overriding royalty interests in production of oil, gas, and other hydrocarbons from the West "B" Lands under and by virtue of the West "B" Leases.

There are a number of oil wells presently producing from the West "A" Lands and the West "B" Lands. Socorro, as the owner of all oil and gas operating rights in and to the West "A" Lands and the West "B" Lands, desires to drill one or more infield wells at locations on or within close proximity to the common boundary line between the West "A" Lands and the West "B" Lands, as depicted in red on the plat attached hereto as Exhibit C (the "**Common Boundary Line**"), without necessity of unitizing the West "A" Leases and the West "B" Leases. The West "A" Overriding Royalty Interest Owners and the West "B" Overriding Royalty Interest Owners, in turn, desire to encourage and facilitate such developmental drilling operations. Accordingly, in consideration of the premises and the mutual agreements and obligations of the parties hereinafter set forth, Socorro, the West "A" Overriding Royalty Interest Owners and the West "B" Overriding Royalty Interest Owners have agreed and do hereby agree as follows:

1. **Consent to Border Wells.** Subject to the provisions of this Agreement, Socorro is hereby authorized to drill, complete, operate, and produce such **Border Wells** (hereinafter defined) as Socorro may, in its discretion, as the owner of the operating rights in the West "A" Lands and the West "B" Lands, determine appropriate, without necessity of obtaining any further consents approvals, or authorizations from the West "A" Overriding Royalty Interest Owners or the West "B" Overriding Royalty Interest Owners. As used in this Agreement, the term "Border Well" shall mean any oil and/or gas well heretofore or hereafter drilled by Socorro, its successors or assigns, on the West "A" lands or the West "B" Lands at a surface location on or within 330 feet of the Common Boundary Line and completed as a producer of oil, gas, and/or other hydrocarbons from the West "A" Lands or the West "B" Lands.

2. **Categorization of Border Wells.** For purposes of allocating production from Border Wells as between the West "A" Lands and the West "B" Lands pursuant to Paragraph 8 hereof, each Border Well shall be classified into one of three categories, depending upon its location in relation to the Common Boundary Line, as follows:

a. **Category I Border Wells.** The first category shall consist of all Border Wells drilled at surface locations within 165 feet of the Southwest corner of the SE $\frac{1}{4}$  of Section 4, T-17-S, R-31-E, N.M.P.M., Eddy County, New Mexico, and all Border Wells drilled at surface locations within 165 feet of the Southeast corner of the SE $\frac{1}{4}$  of Section 4, T-17-S, R-31-E, N.M.P.M., Eddy County, New Mexico (the "**Category I Border Wells**"). The Southwest and Southeast corners of the SE $\frac{1}{4}$  of said Section 4 are depicted in blue on attached Exhibit C for further clarification of their locations.

b. **Category II Border Wells.** The second category shall consist of all Border Wells drilled at surface locations within 165 feet of the Northeast corner of the SE $\frac{1}{4}$  of Section 4, T-17-S, R-31-E, N.M.P.M., Eddy County, New Mexico (the "**Category II Border Wells**"). The Northeast corner of the SE $\frac{1}{4}$  of said Section 4 is depicted in green on attached Exhibit C for further clarification of its location.

c. **Category III Border Wells.** The third category shall consist of all Border Wells not classified as Category I Border Wells or Category II Border Wells pursuant to the foregoing provisions of this Agreement (the "**Category III Border Wells**"). These wells are depicted in orange on attached Exhibit C for further clarification of their locations.

3. Authorization to Commingle Production. Subject to the provisions of this Agreement, Socorro is hereby authorized to gather, commingle, store, transport and deliver any oil, casinghead gas, and associated hydrocarbons produced from any Border Well in any gathering lines, pipelines, tank batteries, and other facilities utilized by Socorro for the gathering, storage, transportation, and delivery of oil, casinghead gas, and associated hydrocarbons produced from either the West "A" Lands or the West "B" Lands, regardless of the location of such facilities (hereinafter referred to as "Common Gathering and Storage Facilities"), all without necessity of maintaining separate production, storage, or measurement facilities for any well so produced into Common Gathering and Storage Facilities, and all without necessity of obtaining any further consents, authorizations, or approvals from the West "A" Overriding Royalty Interest Owners or the West "B" Overriding Royalty Interest Owners. The foregoing authorization to commingle production of oil, casinghead gas, and associated hydrocarbons from Border Wells shall not extend to, and, in the absence of requisite authorizations from applicable governmental authorities, Socorro is hereby expressly prohibited from, gathering, commingling, and/or storing any oil, casinghead gas, and associated hydrocarbons produced from a non-Border Well on the West "A" Lands or the West "B" Lands with oil, casinghead gas, and associated hydrocarbons produced from a non-Border Well on the other of such lands.

4. Testing of Wells. To the extent that Socorro shall produce, gather, transport, and/or store oil, casinghead gas, and/or associated hydrocarbons from a Border Well in Common Gathering and Storage Facilities without separately measuring the daily volumes of such production, then, for so long as Socorro shall continue such practice, Socorro shall periodically conduct, as hereinafter specified, a well test upon each well producing into the applicable Common Gathering and Storage Facilities. Socorro shall conduct such well test by producing the oil from each applicable well consistent with customary practice for twenty-four hours into a test tank or other segregated storage facility, duly measuring and recording the total volume of oil produced from each applicable well during the test period. Following completion of each such well test, Socorro may store in Common Gathering and Storage Facilities any oil produced during such test, and such oil shall be allocated as between wells and lands in accordance with the provisions of Paragraphs 5 and 7 of this Agreement. Socorro shall conduct the prescribed test upon each well producing into applicable Common Gathering and Storage Facilities during the first calendar month in which commingling commences and shall thereafter conduct a new test with respect to each such well so producing not more than sixty (60) days following the previous test. Socorro shall maintain all records relating to each well test performed pursuant to this Agreement for at least two (2) years following

each such test and shall make all such records available for inspection by the other parties hereto at its offices during normal business hours.

5. Allocation of Commingled Oil Production Between Wells.

All oil produced by Socorro into Common Gathering and Storage Facilities without separate measurement thereof (other than pursuant to the well testing procedures prescribed above) shall be allocated on a monthly basis as between wells producing into such Common Gathering and Storage Facilities as follows:

(a) First, Socorro shall tabulate volumes for the most recent twenty-four hour well test for each well producing into the applicable Common Gathering and Storage Facilities. This shall constitute the daily test volume (the "**Daily Test Volume**") for each such well.

(b) Second, Socorro shall multiply the Daily Test Volume for each well by the number of days which the well actually produced during the applicable month to reach the projected monthly volume (the "**Projected Monthly Volume**") for each such well (Daily Test Volume of well x no. of days well produced in month = Projected Monthly Volume of well).

(c) Third, Socorro shall divide the Projected Monthly Volume of each such well by the total Projected Monthly Volume of all wells producing into the applicable Common Gathering and Storage Facilities to reach an allocated percentage of actual oil production (the "**Allocated Percentage of Actual Oil Production**") for each such well (Projected Monthly Volume of well ÷ Projected Monthly Volume of all wells = Allocated Percentage of Actual Oil Production of well).

(d) Finally, Socorro shall multiply the Allocated Percentage of Actual Oil Production for each Border Well times the total monthly volume of oil actually produced into the applicable Common Gathering and Storage Facilities to reach the allocated share of Actual Oil Production (the "**Allocated Share of Actual Production**") for each Border Well during such month (Allocated Percentage of Actual Oil Production of Border Well x total monthly volume of crude oil = Allocated Share of Actual Oil Production of Border Well).

The Allocated Share of Actual Oil Production for each Border Well, as determined pursuant to the foregoing, shall be allocated to and deemed produced from such Border Well for all purposes of this Agreement. The total monthly volume of oil actually produced into applicable Common Gathering and Storage Facilities less the Allocated Share of Actual Oil Production from all Border Wells producing into such facilities shall, in turn, be allocated to and deemed produced from the non-Border Wells producing into such Common Gathering and Storage Facilities.

6. Allocation of Casinghead Gas and Associated Hydrocarbons Between Wells. To the extent that Socorro shall produce casinghead gas and associated hydrocarbons from any Border Well into Common Gathering and Storage Facilities without separately metering or measuring the same, all such casinghead gas and associated hydrocarbons produced into the applicable Common Gathering and Storage Facilities shall be allocated monthly between wells in the proportion that the Projected Monthly Volume (as defined in Paragraph 5) of crude oil from each well producing casinghead gas and associated hydrocarbons into the applicable Common Gathering and Storage Facilities bears to the Projected Monthly Volume of crude oil of all wells producing casinghead gas and associated hydrocarbons into such Common Gathering and Storage Facilities.

7. Allocation of Production from Border Wells as Between West "A" Lands and West "B" Lands. Regardless of the actual location of any Border Well, the parties agree that all oil, gas, and other hydrocarbons produced and separately measured from any Border Well (other than pursuant to a well test as prescribed in Paragraph 4 above), and all oil, casinghead gas, and associated hydrocarbons deemed produced from any Border Well pursuant to Paragraphs 5 and 6 hereof, shall be allocated to and deemed produced from the West "A" Lands and the West "B" Lands in the following Proportions, depending upon the categorization of the particular Border Well:

<u>Border Well Category</u>	<u>Allocation Percentage</u>	
	<u>West "A" Lands</u>	<u>West "B" Lands</u>
Category I Border Wells	25%	75%
Category II Border Wells	75%	25%
Category III Border Wells	50%	50%

8. Binding Effect of Allocations. The parties agree that the above-prescribed methods and procedures for allocating production between Border Wells and non-Border Wells of oil, casinghead gas and associated hydrocarbons and for allocating all production of oil, casinghead gas, and other hydrocarbons from Border Wells as between the West "A" Lands and the West "B" Lands, constitutes a fair and reasonable means of allocating such production and agree to be bound by all such allocations made in accordance with the procedures specified herein.

9. Effect Upon Drainage Obligations. As a material inducement to Socorro to enter into and perform under this Agreement, the West "A" Overriding Royalty Interest Owners and the West "B" Overriding Royalty Interest Owners hereby expressly release and relieve Socorro from any obligations, to protect either the West "A" Lands or the West "B" Lands from drainage as a consequence of the drilling of any Border Well pursuant hereto.

10. Regulatory Compliance. Socorro shall secure all necessary authorizations from applicable state and/or federal regulatory authorities for all operations and practices authorized herein, but it shall not be necessary for Socorro to issue notice to or obtain further authorizations from the West "A" Overriding Royalty Interest Owners or the West "B" Overriding Royalty Interest Owners in connection with such regulatory proceedings.

11. Titles Unaffected. This Agreement shall not constitute, or be deemed to constitute, a unitization, communitization, cross-conveyance, or other transfer of the parties' respective rights and interests in the lands and leases which are the subject matter hereof. As a consequence, all oil, gas, and other hydrocarbons produced or deemed produced from the West "A" Lands (and the proceeds thereof) shall be owned by Socorro and the West "A" Overriding Royalty Interest Owners as their interests shall appear of record, and all oil, gas, and other hydrocarbons produced or deemed produced from the West "B" Lands (and the proceeds thereof) shall be owned by Socorro and the West "B" Overriding Royalty Interest Owners as their interests shall appear of record.

12. Binding Effect. This Agreement shall be binding upon and shall inure to the benefit of the parties hereto and their respective heirs, personal representatives, successors, and assigns. The obligations and agreements of the parties set forth herein are expressly intended to constitute covenants running with the land.

13. Term of Agreement. This Agreement shall be for a term commencing as of the Effective Date and continuing for so long as the West "A" Leases and the West "B" Leases, including any extensions or renewals thereof, shall remain in effect.

14. Governing Law. This agreement shall be governed by and construed in accordance with the laws of the State of New Mexico and the laws of the United States applicable to federal oil and gas leases.

15. Entire Agreement. This Agreement contains the entire agreement of the parties relating to the subject matter hereof and supersedes and replaces any oral or written communications heretofore made between the parties relating to such subject matter.

16. Counterpart Signatures. For the convenience of the parties, this Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same document. No counterpart need be executed by all parties in order to bind the



signatory party. For further convenience of the parties, the various partially executed signature and acknowledgement pages may be consolidated and attached to the body of this Agreement.

IN WITNESS WHEREOF, this Agreement is executed by the parties as of the dates set forth in their respective acknowledgements, but shall be effective for all purposes as of the Effective Date.

**SOCORRO PETROLEUM COMPANY**

By: A-H PETROLEUM CORP.

By: Mitchell L. Solich

Name: Mitchell L. Solich

Title: Vice-President

PARTNER OF SOCORRO PETROLEUM COMPANY

By: HARMEX CORPORATION

By: Mitchell L. Solich

Name: Mitchell L. Solich

Title: Vice-President

PARTNER OF SOCORRO PETROLEUM COMPANY

**WEST "A" OVERRIDING ROYALTY  
INTEREST OWNERS:**

**HIGGINS TRUST**

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

NCNB TEXAS NATIONAL BANK,  
TRUSTEE UNDER THE WILL OF  
SELMA E. ANDREWS, DECEASED

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

signatory party. For further convenience of the parties, the various partially executed signature and acknowledgement pages may be consolidated and attached to the body of this Agreement.

IN WITNESS WHEREOF, this Agreement is executed by the parties as of the dates set forth in their respective acknowledgements, but shall be effective for all purposes as of the Effective Date.

SOCORRO PETROLEUM COMPANY

By: A-H PETROLEUM CORP.

By: Mitchell L. Solich  
Name: Mitchell L. Solich  
Title: Vice-President  
PARTNER OF SOCORRO PETROLEUM COMPANY

By: HARMEX CORPORATION

By: Mitchell L. Solich  
Name: Mitchell L. Solich  
Title: Vice-President  
PARTNER OF SOCORRO PETROLEUM COMPANY

WEST "A" OVERRIDING ROYALTY  
INTEREST OWNERS:

HIGGINS TRUST

BY: James E. Adams  
ITS: Vice President

NCNB TEXAS NATIONAL BANK,  
TRUSTEE UNDER THE WILL OF  
SELMA E. ANDREWS, DECEASED

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is \_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

ACKNOWLEDGEMENT FOR CORPORATION

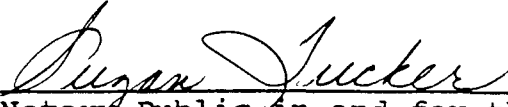
STATE OF New Mexico §  
COUNTY OF Eddy §

On this 13th day of November 1992, before me appeared James E. Haas, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is James E. Haas, that he/she is the Vice President of Higgins Trust, Inc. and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this 13th day of November, 1992.

My Commission Expires:

10-24-95

  
Notary Public in and for the  
State of New Mexico

signatory party. For further convenience of the parties, the various partially executed signature and acknowledgement pages may be consolidated and attached to the body of this Agreement.

IN WITNESS WHEREOF, this Agreement is executed by the parties as of the dates set forth in their respective acknowledgements, but shall be effective for all purposes as of the Effective Date.

**SOCORRO PETROLEUM COMPANY**

By: A-H PETROLEUM CORP.

By: Mitchell L. Solich  
Name: Mitchell L. Solich  
Title: Vice-President  
PARTNER OF SOCORRO PETROLEUM COMPANY

By: HARMEX CORPORATION

By: Mitchell L. Solich  
Name: Mitchell L. Solich  
Title: Vice-President  
PARTNER OF SOCORRO PETROLEUM COMPANY

**WEST "A" OVERRIDING ROYALTY  
INTEREST OWNERS:**

**HIGGINS TRUST**

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

NATIONSBANK OF TEXAS, N.A.  
TRUSTEE UNDER THE WILL OF  
SELMA E. ANDREWS, DECEASED

BY: Sharon G. Gibbs  
ITS: Asst. Vice President

Tax ID # 75-6327535 - ACCT # 5188-01  
TAXED # 75-6237536 ACCT # 5188-02

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is \_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires: \_\_\_\_\_

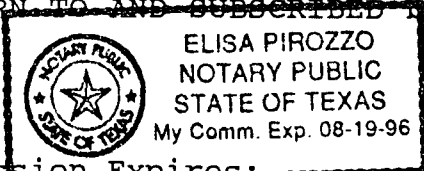
Notary Public in and for the  
State of \_\_\_\_\_

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF TEXAS §  
COUNTY OF DALLAS §

On this 15<sup>th</sup> day of October 1992, before me appeared SHARON G. GIBBS, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is SHARON G. GIBBS, that he/she is the ASST. VICE PRESIDENT of NATIONSBANK OF TEXAS, N.A. and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein. BANK

SWORN TO AND SUBSCRIBED before me on this 15<sup>th</sup> day of October, 1992.



My Commission Expires: \_\_\_\_\_

8-19-96

Elisa Pirozzo  
Notary Public in and for the  
State of \_\_\_\_\_

BRAILLE INSTITUTE OF AMERICA INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

SAN DIEGO TRUST & SAVINGS BANK,  
TRUSTEE OF THE  
RALPH ALBERT SHUGART TRUST

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

SABINE ROYALTY TRUST

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

PETROLEUM ROYALTY SEARCH, INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

\_\_\_\_\_  
JON C. HUGHES

\_\_\_\_\_  
(SPOUSE OF JON C. HUGHES)

\_\_\_\_\_  
JOHNNY G. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOHNNY G. ADAMS)

BRaille INSTITUTE OF AMERICA INC.

BY: Howard O. Wilson

ITS: Howard O. Wilson  
Dir. Financial Affairs

SAN DIEGO TRUST & SAVINGS BANK,  
TRUSTEE OF THE  
RALPH ALBERT SHUGART TRUST

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

SABINE ROYALTY TRUST

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

PETROLEUM ROYALTY SEARCH, INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

\_\_\_\_\_  
JON C. HUGHES

\_\_\_\_\_  
(SPOUSE OF JON C. HUGHES)

\_\_\_\_\_  
JOHNNY G. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOHNNY G. ADAMS)

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is \_\_\_\_\_

\_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF California §  
COUNTY OF Los Angeles §

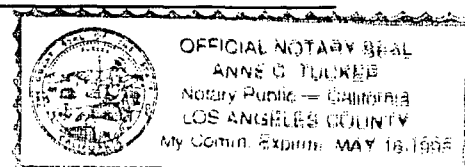
On this 21st day of October 1992, before me appeared Howard O. Wilson, to me personally known, who, being by me duly sworn (or affirmed), did say that his/~~her~~ name is Howard O. Wilson, that he/~~she~~ is the Director of Financial Affairs of Braille Institute of America, Inc. and that he/~~she~~ executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this 21st day of October, 1992.

My Commission Expires:

May 16, 1995

*James C. Tucker*  
Notary Public in and for the  
State of \_\_\_\_\_





BRAILLE INSTITUTE OF AMERICA INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

SAN DIEGO TRUST & SAVINGS BANK,  
TRUSTEE OF THE  
RALPH ALBERT SHUGART TRUST

BY: MW Humphrey  
MARGARET W. HUMPHREY  
ITS: TRUST OFFICER

NOTARIZED  
PAGE 14 OF  
COOPERATIVE  
DEVELOPMENT  
AGREEMENT

SABINE ROYALTY TRUST

W

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

PETROLEUM ROYALTY SEARCH, INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

\_\_\_\_\_  
JON C. HUGHES

\_\_\_\_\_  
(SPOUSE OF JON C. HUGHES)

\_\_\_\_\_  
JOHNNY G. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOHNNY G. ADAMS)

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is \_\_\_\_\_

\_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires: \_\_\_\_\_

Notary Public in and for the  
State of \_\_\_\_\_

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF CALIFORNIA §  
COUNTY OF SAN DIEGO §

RALPH A. SHUGART TR  
SIGNATURE PAGE 8.

On this 21ST day of OCTOBER 1992, before me appeared MARGARET W. HUMPHREY, to me personally known, who, being by me duly sworn (or affirmed), did say that ~~his~~/her name is MARGARET W. HUMPHREY, that ~~he~~/she is the TRUST OFFICER of SAN DIEGO TRUST & SAVINGS BANK and that ~~he~~/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this 21st day of October, 1992.

My Commission Expires: \_\_\_\_\_

Sept 15, 1995

Tina K. Williams  
Notary Public in and for the  
State of \_\_\_\_\_



OFFICIAL SEAL  
TINA K. WILLIAMS  
NOTARY PUBLIC - CALIFORNIA  
SAN DIEGO COUNTY  
MY COMMISSION EXPIRES  
SEPTEMBER 15, 1995

BRAILLE INSTITUTE OF AMERICA INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

SAN DIEGO TRUST & SAVINGS BANK,  
TRUSTEE OF THE  
RALPH ALBERT SHUGART TRUST

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

FOR SABINE ROYALTY TRUST, NATIONSBANK  
OF TEXAS, N.A. (AS SUCCESSOR) TRUSTEE,  
BY PACIFIC ENTERPRISES ABC  
CORPORATION, IN EXERCISE OF ITS  
EXECUTIVE RIGHTS

BY: H. James Gallagher *OK*

ITS: H. James Gallagher  
Executive Vice President *OK*

PETROLEUM ROYALTY SEARCH, INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

\_\_\_\_\_  
JON C. HUGHES

\_\_\_\_\_  
(SPOUSE OF JON C. HUGHES)

\_\_\_\_\_  
JOHNNY G. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOHNNY G. ADAMS)

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is \_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

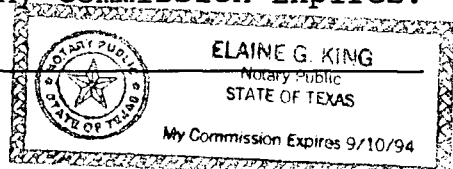
ACKNOWLEDGEMENT FOR CORPORATION

STATE OF Texas §  
COUNTY OF Dallas §

On this 28<sup>th</sup> day of October 1992, before me appeared H. James Gallagher, to me personally known, who, being by me duly sworn (or affirmed), did say that his/~~her~~ name is H. James Gallagher that he/~~she~~ is the Exec. Vice President of Pacific Enterprises ABC Company and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this 28<sup>th</sup> day of October, 1992.

My Commission Expires:



Elaine G. King  
Notary Public in and for the  
State of \_\_\_\_\_

BRAILLE INSTITUTE OF AMERICA INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

SAN DIEGO TRUST & SAVINGS BANK,  
TRUSTEE OF THE  
RALPH ALBERT SHUGART TRUST

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

SABINE ROYALTY TRUST

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

PETROLEUM ROYALTY SEARCH, INC.

BY: Roger C. Letz  
ITS: President

\_\_\_\_\_  
JON C. HUGHES

\_\_\_\_\_  
(SPOUSE OF JON C. HUGHES)

\_\_\_\_\_  
JOHNNY G. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOHNNY G. ADAMS)

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is \_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

ACKNOWLEDGEMENT FOR CORPORATION

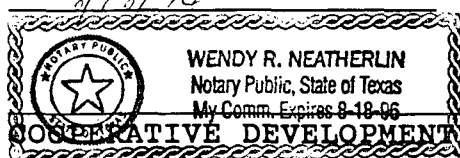
STATE OF TEXAS §  
COUNTY OF MIDLAND §

On this 21st day of September 1992, before me appeared Roger C. Letz, to me personally known, who, being by me duly sworn (or affirmed), did say that his/~~her~~ name is Roger C. Letz, that he/~~she~~ is the President of Petroleum Royalty Search, Inc. and that he/~~she~~ executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this 21st day of September, 1992.

My Commission Expires:

Wendy R. Neatherlin  
Notary Public in and for the  
State of Texas.



BRaille INSTITUTE OF AMERICA INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

SAN DIEGO TRUST & SAVINGS BANK,  
TRUSTEE OF THE  
RALPH ALBERT SHUGART TRUST

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

SABINE ROYALTY TRUST

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

PETROLEUM ROYALTY SEARCH, INC.

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

  
\_\_\_\_\_  
JON C. HUGHES

  
\_\_\_\_\_  
(SPOUSE OF JON C. HUGHES)

\_\_\_\_\_  
JOHNNY G. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOHNNY G. ADAMS)

ACKNOWLEDGEMENT FOR INDIVIDUAL

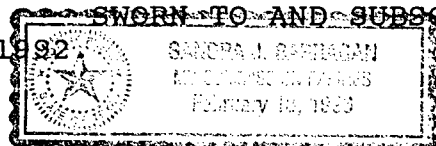
STATE OF Texas §

COUNTY OF Harris §

On this 22<sup>nd</sup> day of October, 1992, before me appeared Don C. Hughes, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is Don C. Hughes

\_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

~~SWORN TO AND SUBSCRIBED~~ before me on this 22<sup>nd</sup> day of October, 1992.



My Commission Expires:

February 18, 1996

Sandra J. Barragan  
Notary Public in and for the  
State of \_\_\_\_\_

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_, and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_



---

THELMA ADAMS HUDMAN

---

(SPOUSE OF THELMA ADAMS HUDMAN)

---

JOE W. ADAMS

---

(SPOUSE OF JOE W. ADAMS)

---

ED M. LAWRENCE

---

(SPOUSE OF ED. M. LAWRENCE)

---

WILLIAM M. EYSEN, JR.

---

(SPOUSE OF WILLIAM M. EYSEN, JR.)

---

WILLIE OPAL HAM

---

(SPOUSE OF WILLIE OPAL HAM)

---

ELDON CRISMAN

---

KATHLEEN CRISMAN

Perry L. Hughes  
PERRY L. HUGHES

Shahara L. Hughes  
(SPOUSE OF PERRY L. HUGHES)

\_\_\_\_\_  
THELMA ADAMS HUDMAN

\_\_\_\_\_  
(SPOUSE OF THELMA ADAMS HUDMAN)

\_\_\_\_\_  
ED M. LAWRENCE

\_\_\_\_\_  
(SPOUSE OF ED. M. LAWRENCE)

\_\_\_\_\_  
WILLIAM M. EYSEN, JR.

\_\_\_\_\_  
(SPOUSE OF WILLIAM M. EYSEN, JR.)

\_\_\_\_\_  
WILLIE OPAL HAM

\_\_\_\_\_  
(SPOUSE OF WILLIE OPAL HAM)

\_\_\_\_\_  
ELDON CRISMAN

\_\_\_\_\_  
KATHLEEN CRISMAN

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF New Mexico §

COUNTY OF Eddy §

On this 15<sup>th</sup> day of October, 1992, before me appeared Berry L. Hughes, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is Berry L. Hughes

\_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this 15<sup>th</sup> day of October, 1992.

My Commission Expires:

May 23, 1993

Susan E. Dean  
Notary Public in and for the  
State of \_\_\_\_\_

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §

\_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_, and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_  
Notary Public in and for the

Thelma Adams Hudman  
THELMA ADAMS HUDMAN

Walter Hudman  
(SPOUSE OF THELMA ADAMS HUDMAN)

\_\_\_\_\_  
JOE W. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOE W. ADAMS)

\_\_\_\_\_  
ED M. LAWRENCE

\_\_\_\_\_  
(SPOUSE OF ED. M. LAWRENCE)

\_\_\_\_\_  
WILLIAM M. EYSEN, JR.

\_\_\_\_\_  
(SPOUSE OF WILLIAM M. EYSEN, JR.)

\_\_\_\_\_  
WILLIE OPAL HAM

\_\_\_\_\_  
(SPOUSE OF WILLIE OPAL HAM)

\_\_\_\_\_  
ELDON CRISMAN

\_\_\_\_\_  
KATHLEEN CRISMAN

ACKNOWLEDGEMENT FOR INDIVIDUAL

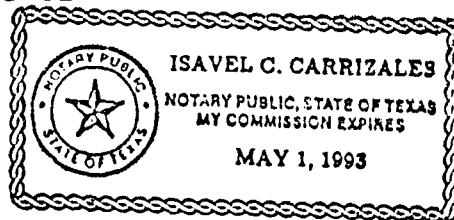
STATE OF Texas §  
COUNTY OF Hubbock §

On this 14 day of October, 1992, before me appeared Thelma Adams Hudman + Wylie Hudman, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is are the same as a Thelma Adams Hudman + Wylie Hudman, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this 14 day of October, 1992.

My Commission Expires:  
May 1, 1993

Isavel C. Carrizales  
Notary Public in and for the  
State of



ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_ and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:  
\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of

\_\_\_\_\_  
THELMA ADAMS HUDMAN

\_\_\_\_\_  
(SPOUSE OF THELMA ADAMS HUDMAN)

\_\_\_\_\_  
JOE W. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOE W. ADAMS)

Ed M. Lawrence  
ED M. LAWRENCE

Martha H. Lawrence  
(SPOUSE OF ED. M. LAWRENCE)

\_\_\_\_\_  
WILLIAM M. EYSEN, JR.

\_\_\_\_\_  
(SPOUSE OF WILLIAM M. EYSEN, JR.)

\_\_\_\_\_  
WILLIE OPAL HAM

\_\_\_\_\_  
(SPOUSE OF WILLIE OPAL HAM)

\_\_\_\_\_  
ELDON CRISMAN

\_\_\_\_\_  
KATHLEEN CRISMAN

\_\_\_\_\_  
(SPOUSE OF HERBERT PRUIT PAT JOYCE, JR.)

\_\_\_\_\_  
JACKIE KELTNER

\_\_\_\_\_  
(SPOUSE OF JACKIE KELTNER)

\_\_\_\_\_  
VERNE BISHOP

\_\_\_\_\_  
(SPOUSE OF VERNE BISHOP)

\_\_\_\_\_  
WANDA JUNE ADAMS WOMBLE, EXECUTRIX  
OF THE ESTATE OF HENRY BUSTER ADAMS,  
DECEASED

\_\_\_\_\_  
E. BERNARD JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

\_\_\_\_\_  
MARY E. JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

WEST "B" OVERRIDING ROYALTY  
INTEREST OWNERS:

Ed M. Lawrence  
ED M. LAWRENCE

Martha H. Lawrence  
(SPOUSE OF ED M. LAWRENCE)

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF TEXAS §  
§  
COUNTY OF TARRANT §

On this 23rd day of September, 1992, before me appeared Ed M. Lawrence & Martha H. Lawrence, to me personally known, who, being by me duly sworn (or affirmed), did say that ~~his/her~~/their name is Ed M. Lawrence & Martha H. Lawrence

          , and that ~~he/she~~/they executed the above and foregoing instrument of ~~his/her~~ their own free will.

SWORN TO AND SUBSCRIBED before me on this 23rd day of September, 1992.

My Commission Expires:  
January 7, 1995

Betty Stephens Betty Stephens  
Notary Public in and for the  
State of Texas

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §  
§  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_ 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_ and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:  
\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_



\_\_\_\_\_  
THELMA ADAMS HUDMAN

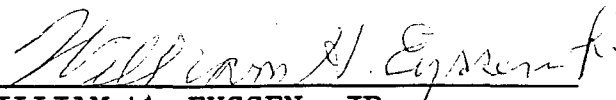
\_\_\_\_\_  
(SPOUSE OF THELMA ADAMS HUDMAN)


\_\_\_\_\_  
JOE W. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOE W. ADAMS)

\_\_\_\_\_  
ED M. LAWRENCE

\_\_\_\_\_  
(SPOUSE OF ED. M. LAWRENCE)

  
\_\_\_\_\_  
WILLIAM H. EYSEN, JR.

  
\_\_\_\_\_  
(SPOUSE OF WILLIAM H. EYSEN, JR.)

\_\_\_\_\_  
WILLIE OPAL HAM

\_\_\_\_\_  
(SPOUSE OF WILLIE OPAL HAM)

\_\_\_\_\_  
ELDON CRISMAN

\_\_\_\_\_  
KATHLEEN CRISMAN

William H. Eysen, Jr.  
WILLIAM H. EYSEN, JR.

Lucile H. Eysen  
(SPOUSE OF WILLIAM H. EYSEN, JR.)

\_\_\_\_\_  
ELDON CRISMAN

\_\_\_\_\_  
KATHLEEN CRISMAN

\_\_\_\_\_  
LUCILE HAWLEY

\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

SISTERS OF ST. FRANCIS OF ASSISI

\_\_\_\_\_  
BY: \_\_\_\_\_

ITS: \_\_\_\_\_

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF TEXAS §  
COUNTY OF TARRANT §

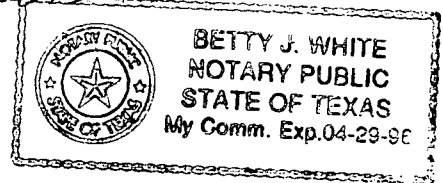
On this 23 day of SEPTEMBER 1992, before me appeared WILLIAM H. ESSEN JR AND DOROTHEA H. EYSSEM, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is WILLIAM H. ESSEN JR AND DOROTHEA H. EYSSEM, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this 23 day of SEPTEMBER 1992.

My Commission Expires:

04-29-96

Betty J. White  
Notary Public in and for the  
State of TEXAS



ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_ 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_ and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

\_\_\_\_\_  
THELMA ADAMS HUDMAN

\_\_\_\_\_  
(SPOUSE OF THELMA ADAMS HUDMAN)

\_\_\_\_\_  
JOE W. ADAMS

\_\_\_\_\_  
(SPOUSE OF JOE W. ADAMS)

\_\_\_\_\_  
ED M. LAWRENCE

\_\_\_\_\_  
(SPOUSE OF ED. M. LAWRENCE)

\_\_\_\_\_  
WILLIAM M. EYSEN, JR.

\_\_\_\_\_  
(SPOUSE OF WILLIAM M. EYSEN, JR.)

Willie Opal Ham  
\_\_\_\_\_  
WILLIE OPAL HAM

Deborah Willie Opal Ham  
\_\_\_\_\_  
(SPOUSE OF WILLIE OPAL HAM)

\_\_\_\_\_  
ELDON CRISMAN

\_\_\_\_\_  
KATHLEEN CRISMAN

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF TEXAS §

COUNTY OF Midland §

On this 24th day of SEPTEMBER, 1992, before me appeared WILLIE C. PAI HAM, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is WILLIE C. PAI HAM

\_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this 24th day of September, 1992.

My Commission Expires: 7-25-94

*[Signature]*  
Notary Public in and for the  
State of  
Notary Public  
STATE OF TEXAS  
My Comm. Exp. JULY 25 1994

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §

\_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_ 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_ and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

\_\_\_\_\_  
WILLIAM M. EYSEN, JR.

\_\_\_\_\_  
(SPOUSE OF WILLIAM M. EYSEN, JR.)

Deceased  
\_\_\_\_\_  
ELDON CRISMAN

Kathleen Crisman  
\_\_\_\_\_  
KATHLEEN CRISMAN

Lucile Hawley  
\_\_\_\_\_  
LUCILE HAWLEY

Deceased  
\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

SISTERS OF ST. FRANCIS OF ASSISI

\_\_\_\_\_  
BY: \_\_\_\_\_

ITS: \_\_\_\_\_

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF ILLINOIS §  
§  
COUNTY OF LASALLE §

On this 9th day of OCTOBER, 1992, before \_\_\_\_\_  
appeared KATHLEEN CRISMAN  
to me personally known, who, being by me duly sworn (or affirmed), did s\_\_\_\_\_  
that ~~his~~/her/~~their~~ name is KATHLEEN CRISMAN  
\_\_\_\_\_, and that ~~he~~/she/~~they~~ executed the above and foregoing instrument \_\_\_\_\_  
~~his~~/her/~~their~~ own free will.

SWORN TO AND SUBSCRIBED before me on this 9th day of OCTOBER  
1992.

" OFFICIAL SEAL "  
KATHLEEN L. JACKSON  
NOTARY PUBLIC, STATE OF ILLINOIS  
My Commission Expires 7/23/95

7-23-95

Kathleen L. Jackson  
Notary Public in and for the  
State of Illinois

161

Notary's Certificate of Acknowledgment

Perfection Legal Forms & Printing Co., Rock\_\_\_\_\_

STATE OF ILLINOIS, } ss. I, \_\_\_\_\_ the undersigned  
LaSalle County, } a Notary Public in and for the said \_\_\_\_\_ County of LaSalle  
in the State of Illinois, DO HEREBY CERTIFY, that Lucile Hawley

\_\_\_\_\_ personal \_\_\_\_\_  
known to me to be the same person whose name \_\_\_\_\_ is \_\_\_\_\_ subscribed to the foregoing \_\_\_\_\_  
Instrument, appeared before me this day in person and acknowledged that She signed, sealed and delivered \_\_\_\_\_  
the said instrument as her free and voluntary act, for the uses and purposes therein set forth, including \_\_\_\_\_  
the release and waiver of the right of homestead.

GIVEN under my hand and Notarial Seal this 16th day of \_\_\_\_\_  
October A. D. 19 92

"OFFICIAL SEAL"  
ROBERT H. RECK  
Notary Public, State of Illinois  
My Commission Expires 12-31-94

Robert H. Reck (SEAL)  
NOTARY PUBLIC.

My Commission Expires:  
\_\_\_\_\_

Notary Public in and for the  
State of \_\_\_\_\_

\_\_\_\_\_  
LUCILE HAWLEY

\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

\_\_\_\_\_  
GUY KEEL GUFFEE, JR.

\_\_\_\_\_  
(SPOUSE OF GUY KEEL GUFFEE, JR.)

\_\_\_\_\_  
LILLIAN C. KEEL

\_\_\_\_\_  
(SPOUSE OF LILLIAN C. KEEL)

SISTERS OF ST. FRANCIS OF ASSISI

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

\_\_\_\_\_  
RACHEL VANDEWART

\_\_\_\_\_  
(SPOUSE OF RACHEL VANDEWART)

\_\_\_\_\_  
EDNA EARL WINTERS

\_\_\_\_\_  
(SPOUSE OF EDNA EARL WINTERS)

\_\_\_\_\_  
HERBERT FRUIT PAT JOYCE, JR.



\_\_\_\_\_  
LUCILE HAWLEY

\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

Guy Keel Guffee Jr  
\_\_\_\_\_  
GUY KEEL GUFFEE, JR.

Marlyn J Guffee  
\_\_\_\_\_  
(SPOUSE OF GUY KEEL GUFFEE, JR.)

\_\_\_\_\_  
LILLIAN C. KEEL

\_\_\_\_\_  
(SPOUSE OF LILLIAN C. KEEL)

SISTERS OF ST. FRANCIS OF ASSISI

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

\_\_\_\_\_  
RACHEL VANDEWART

\_\_\_\_\_  
(SPOUSE OF RACHEL VANDEWART)

\_\_\_\_\_  
EDNA EARL WINTERS

\_\_\_\_\_  
(SPOUSE OF EDNA EARL WINTERS)

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF Arkansas §

COUNTY OF Washington §

On this 14<sup>th</sup> day of November, 1992, before me appeared Guy Keel Guffee, Jr. & Marilyn J. Guffee, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is Guy Keel Guffee, Jr. and Marilyn J. Guffee, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this 14<sup>th</sup> day of November, 1992.

My Commission Expires:

MY COMMISSION EXPIRES 6-12-93

Carol L. Smith

Notary Public in and for the  
State of

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_, and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_  
Notary Public in and for the  
State of

\_\_\_\_\_  
LUCILE HAWLEY

\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

\_\_\_\_\_  
GUY KEEL GUFFEE, JR.

\_\_\_\_\_  
(SPOUSE OF GUY KEEL GUFFEE, JR.)

*Lillian C. Keel*  
\_\_\_\_\_  
LILLIAN C. KEEL

*Deceased*  
\_\_\_\_\_  
(SPOUSE OF LILLIAN C. KEEL)

SISTERS OF ST. FRANCIS OF ASSISI

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

\_\_\_\_\_  
RACHEL VANDEWART

\_\_\_\_\_  
(SPOUSE OF RACHEL VANDEWART)

\_\_\_\_\_  
EDNA EARL WINTERS

\_\_\_\_\_  
(SPOUSE OF EDNA EARL WINTERS)

\_\_\_\_\_  
HERBERT PRUIT PAT JOYCE, JR.

ACKNOWLEDGEMENT FOR INDIVIDUAL

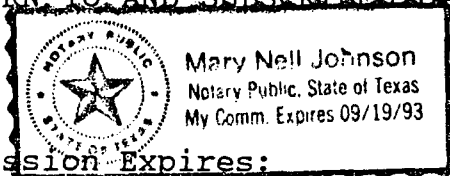
STATE OF Texas §

COUNTY OF Dallas §

On this 14 day of October, 1992, before me appeared Lillian C. Keel, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is Lillian C. Keel

, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this 14 day of October, 1992.



My Commission Expires:

September 19, 1993

Mary Nell Johnson  
Notary Public in and for the  
State of

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §

\_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_

and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of

\_\_\_\_\_  
LUCILE HAWLEY

\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

\_\_\_\_\_  
GUY KEEL GUFFEE, JR.

\_\_\_\_\_  
(SPOUSE OF GUY KEEL GUFFEE, JR.)

\_\_\_\_\_  
LILLIAN C. KEEL

\_\_\_\_\_  
(SPOUSE OF LILLIAN C. KEEL)

SISTERS OF ST. FRANCIS OF ASSISI

ATTEST:

*Sister Pat Zolacki, O.S.F.*  
\_\_\_\_\_  
SECRETARY

BY: *Sister Doris Pichawski, O.S.F.*

ITS: \_\_\_\_\_ PRESIDENT

\_\_\_\_\_  
RACHEL VANDEWART

\_\_\_\_\_  
(SPOUSE OF RACHEL VANDEWART)

\_\_\_\_\_  
EDNA EARL WINTERS

\_\_\_\_\_  
(SPOUSE OF EDNA EARL WINTERS)

**WEST "B" OVERRIDING ROYALTY  
INTEREST OWNERS:**

\_\_\_\_\_  
ED M. LAWRENCE

\_\_\_\_\_  
(SPOUSE OF ED M. LAWRENCE)

\_\_\_\_\_  
WILLIAM M. EYSEN, JR.

\_\_\_\_\_  
(SPOUSE OF WILLIAM M. EYSEN, JR.)

\_\_\_\_\_  
ELDON CRISMAN

\_\_\_\_\_  
KATHLEEN CRISMAN

\_\_\_\_\_  
LUCILE HAWLEY

\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

SISTERS OF ST. FRANCIS OF ASSISI

ATTEST:

*Sister Pat Zoleski, O.S.F.*  
\_\_\_\_\_  
SECRETARY

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

\_\_\_\_\_  
PRESIDENT

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF \_\_\_\_\_ §

\_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is \_\_\_\_\_

\_\_\_\_\_, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF WISCONSIN §

\_\_\_\_\_ §

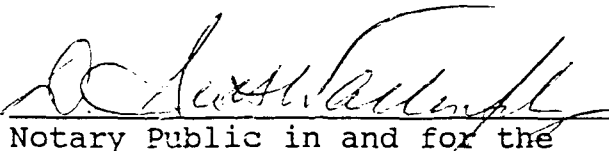
COUNTY OF MILWAUKEE §

On this 17<sup>th</sup> day of NOVEMBER 1992, before me appeared SISTER DORIS PRZYBYLSKI, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is SISTER DORIS PRZYBYLSKI, that he/she is the PRESIDENT of THE SISTERS OF ST. FRANCIS OF ASSISI and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this 17<sup>th</sup> day of NOV, 1992.

My Commission Expires: \_\_\_\_\_

3/17/96

  
Notary Public in and for the \_\_\_\_\_

\_\_\_\_\_  
LUCILE HAWLEY

\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

\_\_\_\_\_  
GUY KEEL GUFFEE, JR.

\_\_\_\_\_  
(SPOUSE OF GUY KEEL GUFFEE, JR.)

\_\_\_\_\_  
LILLIAN C. KEEL

\_\_\_\_\_  
(SPOUSE OF LILLIAN C. KEEL)

SISTERS OF ST. FRANCIS OF ASSISI

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

*Rachel Vandewart (Widow)*  
\_\_\_\_\_  
RACHEL VANDEWART

\_\_\_\_\_  
(SPOUSE OF RACHEL VANDEWART)

\_\_\_\_\_  
EDNA EARL WINTERS

\_\_\_\_\_  
(SPOUSE OF EDNA EARL WINTERS)

\_\_\_\_\_  
HERBERT PRUIT PAT JOYCE, JR.



ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF New Mexico §

COUNTY OF Chaves §

On this 1st day of October, 1992, before me appeared Rachel Vandewart, a widow, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/~~their~~ name is Rachel Vandewart

                    , and that ~~he/she/they~~ executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this 1st day of October, 1992.

My Commission Expires:

2/17/96

Janice A White

Notary Public in and for the  
State of New Mexico

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_ 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_ and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

\_\_\_\_\_  
LUCILE HAWLEY

\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

\_\_\_\_\_  
GUY KEEL GUFFEE, JR.

\_\_\_\_\_  
(SPOUSE OF GUY KEEL GUFFEE, JR.)

\_\_\_\_\_  
LILLIAN C. KEEL

\_\_\_\_\_  
(SPOUSE OF LILLIAN C. KEEL)

SISTERS OF ST. FRANCIS OF ASSISI

BY: \_\_\_\_\_

ITS: \_\_\_\_\_

\_\_\_\_\_  
RACHEL VANDEWART

\_\_\_\_\_  
(SPOUSE OF RACHEL VANDEWART)

\_\_\_\_\_  
EDNA EARL WINTERS

\_\_\_\_\_  
(SPOUSE OF EDNA EARL WINTERS)

*Herbert Pruit Pat Joyce Jr.*  
\_\_\_\_\_  
HERBERT PRUIT PAT JOYCE, JR.

Kim Joyce  
(SPOUSE OF HERBERT FRUIT PAT JOYCE, JR.)

JACKIE KELTNER

(SPOUSE OF JACKIE KELTNER)

VERNE BISHOP

(SPOUSE OF VERNE BISHOP)

WANDA JUNE ADAMS WOMBLE, EXECUTRIX  
OF THE ESTATE OF HENRY BUSTER ADAMS,  
DECEASED

E. BERNARD JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

MARY E. JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

**WEST "B" OVERRIDING ROYALTY  
INTEREST OWNERS:**

ED M. LAWRENCE

(SPOUSE OF ED M. LAWRENCE)

ACKNOWLEDGEMENT FOR INDIVIDUALS

STATE OF New Mexico §  
COUNTY OF Chaves §

On this 22nd day of September, 1992, before me appeared Herbert Pruitt Pat Joyce Jr and Kim Joyce, to me personally known, who, being by me duly sworn (or affirmed), did say that ~~his/her~~ their names ~~is~~ are Herbert Pruitt Pat Joyce Jr and Kim Joyce, and that ~~he/she~~ they executed the above and foregoing instrument of ~~his/her~~ their own free will.

SWORN TO AND SUBSCRIBED before me on this 22nd day of September, 1992.

My Commission Expires:  
3-10-95

  
Notary Public in and for the  
State of New Mexico

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

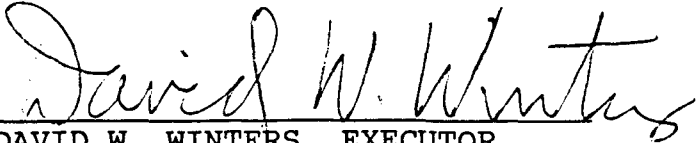
On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_ and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

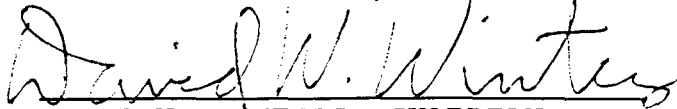
\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

DAVID W. WINTERS AND  
THOMAS EARL WINTERS,  
EXECUTORS OF THE ESTATE OF  
EDNA EARL WINTERS, DECEASED

  
DAVID W. WINTERS, EXECUTOR

  
THOMAS EARL WINTERS, EXECUTOR

DAVID W. WINTERS, GUARDIAN OF  
T. W. WINTERS, SPOUSE OF  
EDNA EARL WINTERS, DECEASED

  
DAVID W. WINTERS, GUARDIAN

\_\_\_\_\_  
HERBERT FRUIT PAT JOYCE, JR.

\_\_\_\_\_  
(SPOUSE OF HERBERT FRUIT PAT JOYCE, JR.)

\_\_\_\_\_  
JACKIE KELTNER

\_\_\_\_\_  
(SPOUSE OF JACKIE KELTNER)

\_\_\_\_\_  
WANDA WOMBLE


\_\_\_\_\_  
(SPOUSE OF WANDA WOMBLE)

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF TEXAS §  
COUNTY OF LAMPASAS §

On this 17 day of November, 1992, before me appeared David W. Winters, to me personally known, who, being by me duly sworn (or affirmed), did say that his name is David W. Winters, and that he is the Executor of the Estate of Edna Earl Winters, Deceased, and that he executed the above and foregoing instrument of his own free will.

SWORN TO AND SUBSCRIBED before me on this 17 day of November, 1992.

My Commission Expires:  WANDA COX  
Notary Public, State of Texas  
My Comm. Exp. 3-14-93 Wanda Cox  
Notary Public in and for the State of

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF TEXAS §  
COUNTY OF LAMPASAS §

On this 16<sup>th</sup> day of NOVEMBER, 1992, before me appeared Thomas Earl Winters, to me personally known, who, being by me duly sworn (or affirmed), did say that his name is Thomas Earl Winters, and that he is the Executor of the Estate of Edna Earl Winters, Deceased, and that he executed the above and foregoing instrument of his own free will.

SWORN TO AND SUBSCRIBED before me on this 16<sup>th</sup> day of NOVEMBER, 1992.

My Commission Expires:  RITA KINCHELOE  
My Commission Expires 3-8-93  
03/08/93

Rita Kinchele  
Notary Public in and for the State of

\_\_\_\_\_  
(SPOUSE OF HERBERT PRUIT PAT JOYCE, JR.)

\_\_\_\_\_  
JACKIE KELTNER

\_\_\_\_\_  
(SPOUSE OF JACKIE KELTNER)

\_\_\_\_\_  
VERNE BISHOP

\_\_\_\_\_  
(SPOUSE OF VERNE BISHOP)

\_\_\_\_\_  
WANDA JUNE ADAMS WOMBLE, EXECUTRIX  
OF THE ESTATE OF HENRY BUSTER ADAMS,  
DECEASED

\_\_\_\_\_  
E. BERNARD JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

\_\_\_\_\_  
MARY E. JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

**WEST "B" OVERRIDING ROYALTY  
INTEREST OWNERS:**

\_\_\_\_\_  
ED M. LAWRENCE

\_\_\_\_\_  
(SPOUSE OF ED M. LAWRENCE)

\_\_\_\_\_  
(SPOUSE OF HERBERT PRUIT PAT JOYCE, JR.)

Jackie Keltner  
JACKIE KELTNER

Eddie D Keltner  
(SPOUSE OF JACKIE KELTNER)

\_\_\_\_\_  
VERNE BISHOP

\_\_\_\_\_  
(SPOUSE OF VERNE BISHOP)

\_\_\_\_\_  
WANDA JUNE ADAMS WOMBLE, EXECUTRIX  
OF THE ESTATE OF HENRY BUSTER ADAMS,  
DECEASED

\_\_\_\_\_  
E. BERNARD JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

\_\_\_\_\_  
MARY E. JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

**WEST "B" OVERRIDING ROYALTY  
INTEREST OWNERS:**

\_\_\_\_\_  
ED M. LAWRENCE

\_\_\_\_\_  
(SPOUSE OF ED M. LAWRENCE)



ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF Arkansas §  
COUNTY OF Polaski §

On this 22 day of September, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is Jackie Keltner, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this 22 day of September, 1992.

My Commission Expires:

11-15-92

Mary D. Asher  
Notary Public in and for the  
State of Arkansas

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_ and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

\_\_\_\_\_  
(SPOUSE OF HERBERT PRUIT PAT JOYCE, JR.)

\_\_\_\_\_  
JACKIE KELTNER

\_\_\_\_\_  
(SPOUSE OF JACKIE KELTNER)

\_\_\_\_\_  
VERNE BISHOP

\_\_\_\_\_  
(SPOUSE OF VERNE BISHOP)

*Wanda Womble*  
\_\_\_\_\_  
WANDA WOMBLE

*P. G. Womble*  
\_\_\_\_\_  
(SPOUSE OF WANDA WOMBLE)

\_\_\_\_\_  
VIRGINIA ADAMS

\_\_\_\_\_  
(SPOUSE OF VIRGINIA ADAMS)

\_\_\_\_\_  
E. BERNARD JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

\_\_\_\_\_  
MARY E. JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF TEXAS §  
COUNTY OF NOLAN §

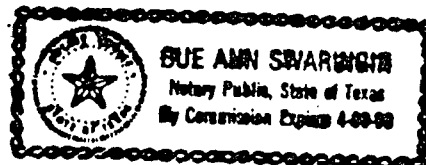
On this 8th day of OCTOBER, 1992, before me appeared WANDA + P.A. WOMBLE, to me personally known, who, being by me duly sworn (or affirmed), did say that ~~his/her~~/their name is WANDA + P.A. WOMBLE

          , and that ~~he/she~~/they executed the above and foregoing instrument of ~~his/her~~/their own free will.

SWORN TO AND SUBSCRIBED before me on this 8th day of OCTOBER, 1992.

My Commission Expires:  
4-9-93

Bue Ann Swearingin  
Notary Public in and for the  
State of TEXAS



ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_ and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:  
\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

\_\_\_\_\_  
(SPOUSE OF HERBERT PRUIT PAT JOYCE, JR.)

\_\_\_\_\_  
JACKIE KELTNER

\_\_\_\_\_  
(SPOUSE OF JACKIE KELTNER)

\_\_\_\_\_  
VERNE BISHOP

\_\_\_\_\_  
(SPOUSE OF VERNE BISHOP)

\_\_\_\_\_  
WANDA WOMBLE

\_\_\_\_\_  
(SPOUSE OF WANDA WOMBLE)

*Virginia Adams Muncy*  
\_\_\_\_\_  
VIRGINIA ADAMS MUNCY

*Deceased*  
\_\_\_\_\_  
(SPOUSE OF VIRGINIA ADAMS)

\_\_\_\_\_  
E. BERNARD JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

\_\_\_\_\_  
MARY E. JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

ACKNOWLEDGEMENT FOR INDIVIDUAL

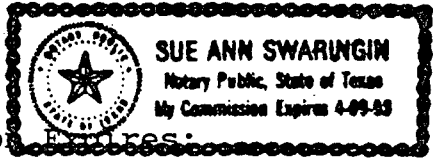
STATE OF TEXAS §

§

COUNTY OF NOLAN §

On this 22 day of SEPTEMBER, 1992, before me appeared Virginia Adams Muncy, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her/their name is Virginia Adams Muncy, and that he/she/they executed the above and foregoing instrument of his/her/their own free will.

SWORN TO AND SUBSCRIBED before me on this 22 day of SEPTEMBER, 1992.



My Commission Expires: 4-9-93

Sue Ann Swearingin  
Notary Public in and for the  
State of TEXAS

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §

§

COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_, and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:  
\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

\_\_\_\_\_  
(SPOUSE OF HERBERT PRUIT PAT JOYCE, JR.)

\_\_\_\_\_  
JACKIE KELTNER

\_\_\_\_\_  
(SPOUSE OF JACKIE KELTNER)

\_\_\_\_\_  
VERNE BISHOP

\_\_\_\_\_  
(SPOUSE OF VERNE BISHOP)

\_\_\_\_\_  
WANDA JUNE ADAMS WOMBLE, EXECUTRIX  
OF THE ESTATE OF HENRY BUSTER ADAMS,  
DECEASED

*E. Bernard Johnston*  
\_\_\_\_\_  
E. BERNARD JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

\_\_\_\_\_  
MARY E. JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

**WEST "B" OVERRIDING ROYALTY  
INTEREST OWNERS:**

\_\_\_\_\_  
ED M. LAWRENCE

\_\_\_\_\_  
(SPOUSE OF ED M. LAWRENCE)

ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF New Mexico §  
COUNTY OF Chaves §

On this 23rd day of September, 1992, before me appeared E. Bernard Johnston, to me personally known, who, being by me duly sworn (or affirmed), did say that his/~~her~~/~~their~~ name is E. Bernard Johnston

and that he/~~she~~/~~they~~ executed the above and foregoing instrument of his/~~her~~/~~their~~ own free will.

SWORN TO AND SUBSCRIBED before me on this 23rd day of September, 1992.

My Commission Expires:

3-10-95.

Barbara Dmapacher  
Notary Public in and for the  
State of

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_ and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_  
Notary Public in and for the  
State of

\_\_\_\_\_  
(SPOUSE OF HERBERT PRUIT PAT JOYCE, JR.)

\_\_\_\_\_  
JACKIE KELTNER


\_\_\_\_\_  
(SPOUSE OF JACKIE KELTNER)

\_\_\_\_\_  
VERNE BISHOP

\_\_\_\_\_  
(SPOUSE OF VERNE BISHOP)

\_\_\_\_\_  
WANDA JUNE ADAMS WOMBLE, EXECUTRIX  
OF THE ESTATE OF HENRY BUSTER ADAMS,  
DECEASED

\_\_\_\_\_  
E. BERNARD JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

  
\_\_\_\_\_  
MARY E. JOHNSTON, CO-PERSONAL  
REPRESENTATIVE OF THE ESTATE OF  
JANE S. JOHNSTON, DECEASED

**WEST "B" OVERRIDING ROYALTY  
INTEREST OWNERS:**

\_\_\_\_\_  
ED M. LAWRENCE

\_\_\_\_\_  
(SPOUSE OF ED M. LAWRENCE)



ACKNOWLEDGEMENT FOR INDIVIDUAL

STATE OF New Mexico §

COUNTY OF Chaves §

On this 23rd day of September, 1992, before me appeared Mary E. Johnston, to me personally known, who, being by me duly sworn (or affirmed), did say that ~~his~~/her/~~their~~ name is Mary E. Johnston

          , and that ~~he~~/she/~~they~~ executed the above and foregoing instrument of ~~his~~/her/~~their~~ own free will.

SWORN TO AND SUBSCRIBED before me on this 23rd day of September, 1992.

My Commission Expires:

3-10-95

Barbara D. Dwyer  
Notary Public in and for the  
State of

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_\_ day of \_\_\_\_\_, 1992, before me appeared \_\_\_\_\_, to me personally known, who, being by me duly sworn (or affirmed), did say that his/her name is \_\_\_\_\_, that he/she is the \_\_\_\_\_ of \_\_\_\_\_, and that he/she executed the above and foregoing instrument on behalf of said corporation for the uses and purposes set forth herein.

SWORN TO AND SUBSCRIBED before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1992.

My Commission Expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for the  
State of

\_\_\_\_\_  
WILLIAM M. EYSSEN, JR.

\_\_\_\_\_  
(SPOUSE OF WILLIAM M. EYSSEN, JR.)

\_\_\_\_\_  
ELDON CRISMAN

\_\_\_\_\_  
KATHLEEN CRISMAN

\_\_\_\_\_  
LUCILE HAWLEY

\_\_\_\_\_  
(SPOUSE OF LUCILE HAWLEY)

SISTERS OF ST. FRANCIS OF ASSISI

\_\_\_\_\_  
BY: \_\_\_\_\_

ITS: \_\_\_\_\_

STATE OF COLORADO §  
§  
COUNTY OF DENVER §

On this 16th day of September, 1992, before me appeared, Mitchell L. Solich, to me personally known, who, being by me duly sworn (or affirmed), did say that he is the Vice-President of A-H Petroleum Corporation, Partner of Socorro Petroleum Company, a partnership, and that he executed the above and foregoing instrument on behalf of said partnership and acknowledged said instrument to be the free act and deed of said partnership.

SWORN TO AND SUBSCRIBED before me on this 16th day of September, 1992.

My Commission Expires:  
My commission expires August 19, 1995.

Mary Jane Starbuck  
Notary Public in and for the  
State of Colorado

STATE OF COLORADO §  
§  
COUNTY OF DENVER §

On this 16th day of September, 1992, before me appeared, Mitchell L. Solich, to me personally known, who, being by me duly sworn (or affirmed), did say that he is the Vice-President of Harmex Corporation, Partner of Socorro Petroleum Company, a partnership, and that he executed the above and foregoing instrument on behalf of said partnership and acknowledged said instrument to be the free act and deed of said partnership.

SWORN TO AND SUBSCRIBED before me on this 16th day of September, 1992.

My Commission Expires:  
My commission expires August 19, 1995

Mary Jane Starbuck  
Notary Public in and for the  
State of Colorado

EXHIBIT "A"

WEST "A" LEASES AND LANDS

United States Oil and Gas Lease No. LC 029426(a) dated February 1, 1989, from the United States of America, as Lessor, to Atlantic Richfield Company, as Lessee, covering and pertaining to Lots 1, 2, 3, and 4 and the S $\frac{1}{2}$ N $\frac{1}{2}$  of Section 3, and Lots 1 and 2, the S $\frac{1}{2}$ NE $\frac{1}{4}$  and the SE $\frac{1}{4}$  of Section 4, all in T-17-S, R-31-E, N.M.P.M., Eddy County, New Mexico, containing 639.56 acres more or less, from the surface of the earth down to the top of the Glorietta formation.

END OF EXHIBIT "A"

EXHIBIT "B"

WEST "B" LEASES AND LANDS

United States Oil and Gas Lease No. LC 029426(b) dated March 1, 1991, from the United States of America, as Lessor, to Atlantic Richfield Company, as Lessee, covering and pertaining to the S $\frac{1}{2}$  of Section 3, Lots 3 and 4, the S $\frac{1}{2}$ NW $\frac{1}{4}$ , and the SW $\frac{1}{4}$  of Section 4, all of Section 9, and all of Section 10, T-17-S, R-31-E, N.M.P.M., Eddy County, New Mexico, containing 1,919.88 acres, more or less, from the surface of the earth down to the top of the Glorietta formation.

END OF EXHIBIT "B"

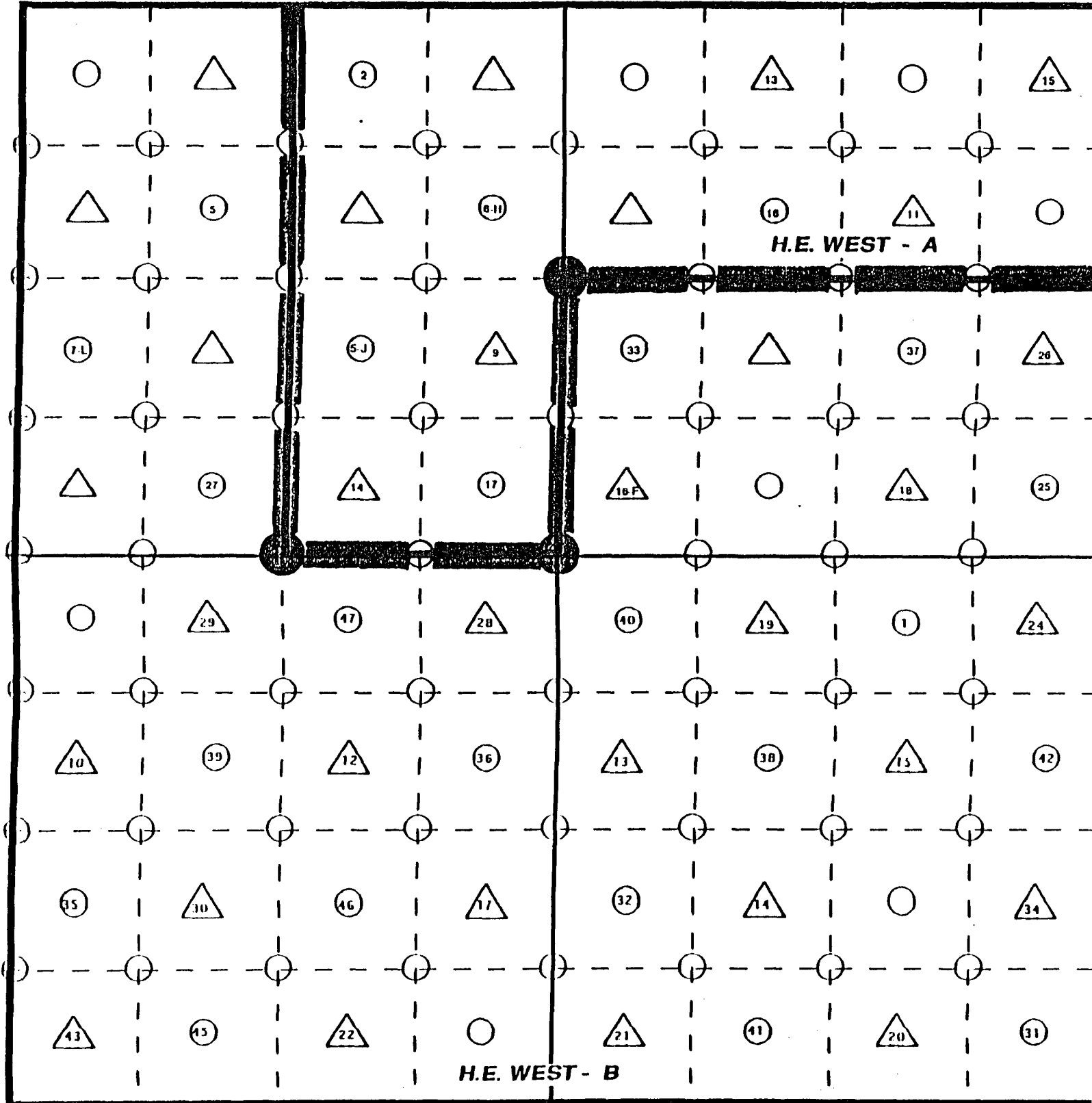
**EXHIBIT "C"**

County EDDY State NEW MEXICO

Township 17 SOUTH Range 31 EAST

SECTION 4

SECTION 3



○ PRODUCER  
△ INJECTOR