



Copy Sent to E. Russell
OIL CONSERVATION DIVISION
RECEIVED

30 OCT 10 AM 8 56

October 5, 1990

518 17th St., Suite 1030
Denver, Colorado 80202
(303) 571-4220

State of New Mexico
Energy, Minerals and Natural Resources Dept.
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Attn: William J. Lemay

Case 10175

Re: Unorthodox Location
Hammond W.N. Federal No. 11
NE Sec. 34, T27N, R8W
San Juan County, NM

Gentlemen:

Maralex Resources, Inc. (Maralex) hereby submits the following application in triplicate for an unorthodox location for the subject well. ARCO Oil and Gas has previously submitted a permit application (see Attachment No. 1) for the subject well with the Bureau of Land Management.

The proposed well is located 205' from the north line and 130' from the east line of Section 34. Attachment No. 2 is a completed C-102. A suitable location for the well could not be found in the northeast quarter of Section 34 due to the topography. Directional drilling of the well is not feasible due to the shallow total depth and the distance from a legal location to the surface location required due to the above mentioned cause.

Topographic obstructions, as shown on Attachment No. 3 include the steep terrain and cliffs leading from Blanco Mesa into Largo Canyon. Although there is one existing well within the orthodox location window, there is not sufficient room on the existing pad for another drilling location.

Attachment No. 4 shows existing wells in the area and all offset operators. To the best of our knowledge, the information on this map is current and correct. None of the offsetting wells are currently producing from the Basin Fruitland Coal pool.

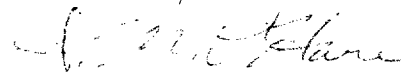
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the NMOCD an executed waiver of objections to the unorthodox location that is provided at the end of this letter. Maralex will submit to the NMOCD the return receipt cards signifying receipt by the offset operators of this notification as soon as they are returned to us.

By virtue of our purchase of ARCO's operating rights to the Fruitland Formation in all of Township 27 North, Range 8 West, San Juan County, New Mexico, Maralex is now the operator of the shallow rights designated under ARCO on Attachment No. 4.

Please call me at (303) 571-4220 at your earliest convenience if any additional information is required for processing of this application.

Sincerely,



A. M. O'Hare, P.E.
President
Maralex Resources, Inc.

cc: Great Lakes Chemical, Certified
Western Oil & Minerals Ltd., Certified
Ibex Partnership, Certified
Meridian Oil Production, Co., Certified
Bureau of Land Management,
Farmington Resource Area

If you have no objection to the proposed unorthodox location, please sign the waiver below and forward to the NMOCD in the envelop provided.

WE HEREBY WAIVE OUR RIGHT TO OBJECT TO THE UNORTHODOX LOCATION PROPOSED IN THIS APPLICATION BY MARALEX RESOURCES, INC.

Company Name

BY: _____

Date: _____

Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF - 078480	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NONE	
2. NAME OF OPERATOR ARCO Oil and Gas Company, a Division of Atlantic Richfield Co.		7. UNIT AGREEMENT NAME -----	
3. ADDRESS OF OPERATOR P.O. Box 1610, Midland, Texas 79702		8. FARM OR LEASE NAME Hammond W.N Federal	
4. LOCATION OF WELL (Report clearly and in accordance with any State requirements.) At surface 205' FNL & 130' FEL (Unit Letter A) At proposed Prod. zone Approximately the same		9. WELL NO. #11	
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE approximately 22 miles SE of Blanco, New Mexico		10. FIELD AND POOL, OR WILDCAT Basin-Fruitland Coal Gas	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 130'		11. SEC., T., M., OR BLK. AND SURVEY OR AREA Sec 34, T27N-R8W	
16. NO. OF ACRES IN LEASE 2560		12. COUNTY San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320, E/2		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1927'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether GR or KB) 6690.0' GR		22. APPROX. DATE WORK WILL START Spud 11/90	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT ft^3
12-1/4"	8-5/8"	24#	500'	384 cuft/325 SX
7-7/8"	5-1/2"	15.5#	2405'	521 cuft/324 SX

It is proposed to drill a 12-1/4" hole to 500' using fresh water spud mud. After setting surface casing, the shoe will be drilled out with a 7-7/8" bit, continuing to TD. A low solids, fresh water gel/polymer mud system will be utilized. A water loss of less than 20cc will be maintained and a mud weight of 9.5 ppg will be used to balance the 1600 psi Fruitland pore pressure. At TD, open-hole logs consisting of GR/CAL/FDC will be run and 5-1/2" production casing will be set and cemented to surface.

Pursuant to the "Onshore Oil and Gas Order #1" attachments are as follows:

1. Certified Location Plat
2. Drilling Plan with attachments
3. Surface Use Plan with attachments

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Kenn G. Gossnell TITLE Regulatory Coordinator DATE 9-14-90
(This space for Federal or State Use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

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

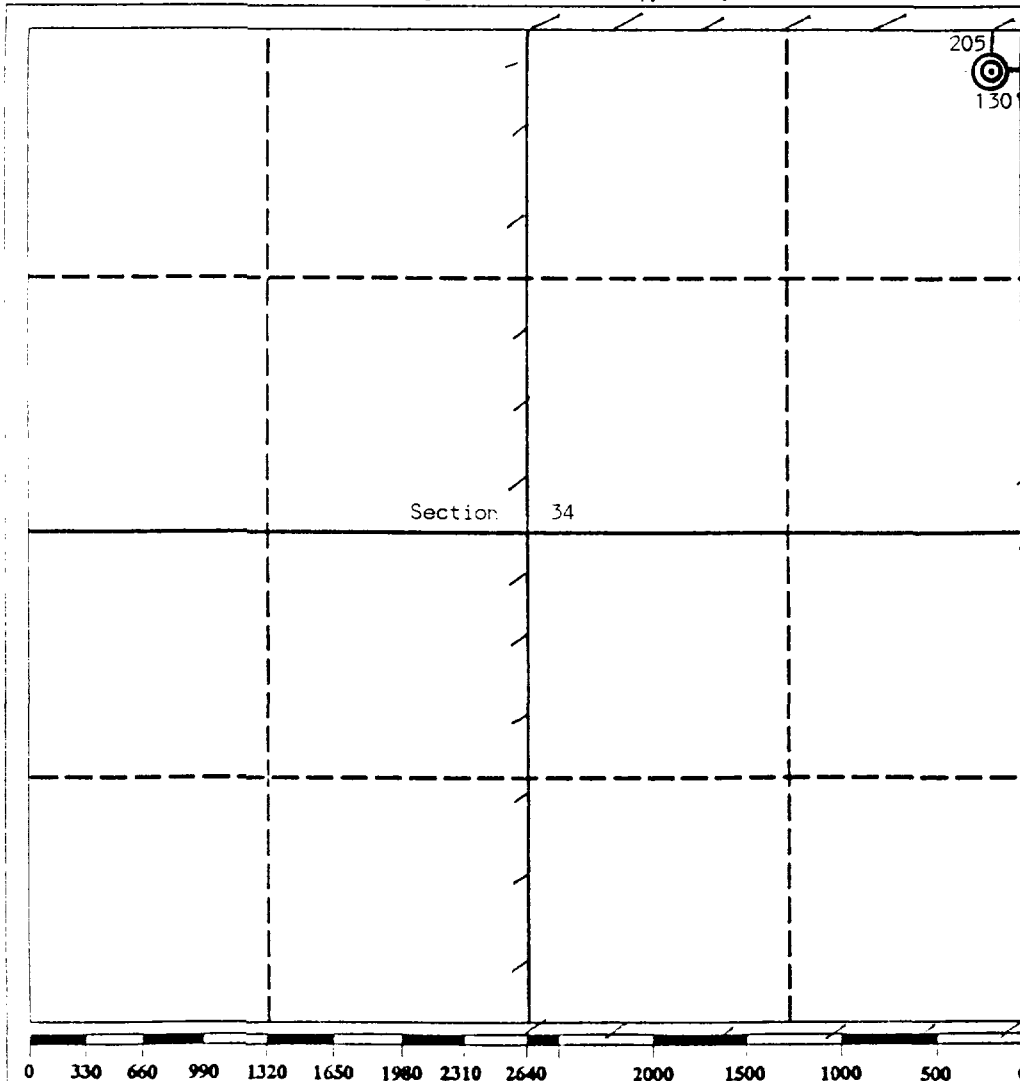
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ARCO Oil and Gas Company			Lease Hammond W.N. Federal		Well No. 11
Unit Letter A	Section 34	Township 27 North	Range 8 West	County San Juan	
Actual Footage Location of Well: 205 feet from the North line and 130 feet from the East line					
Ground level Elev. 6690	Producing Formation Fruitland	Pool Basin-Fruitland Coal Gas			Dedicated Acreage: 320 Acres

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

Ken W. Gosnell

Printed Name

Ken W. Gosnell

Position

Regulatory Coordinator

Company

ARCO Oil & Gas Co.

Date

9-4-90

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.

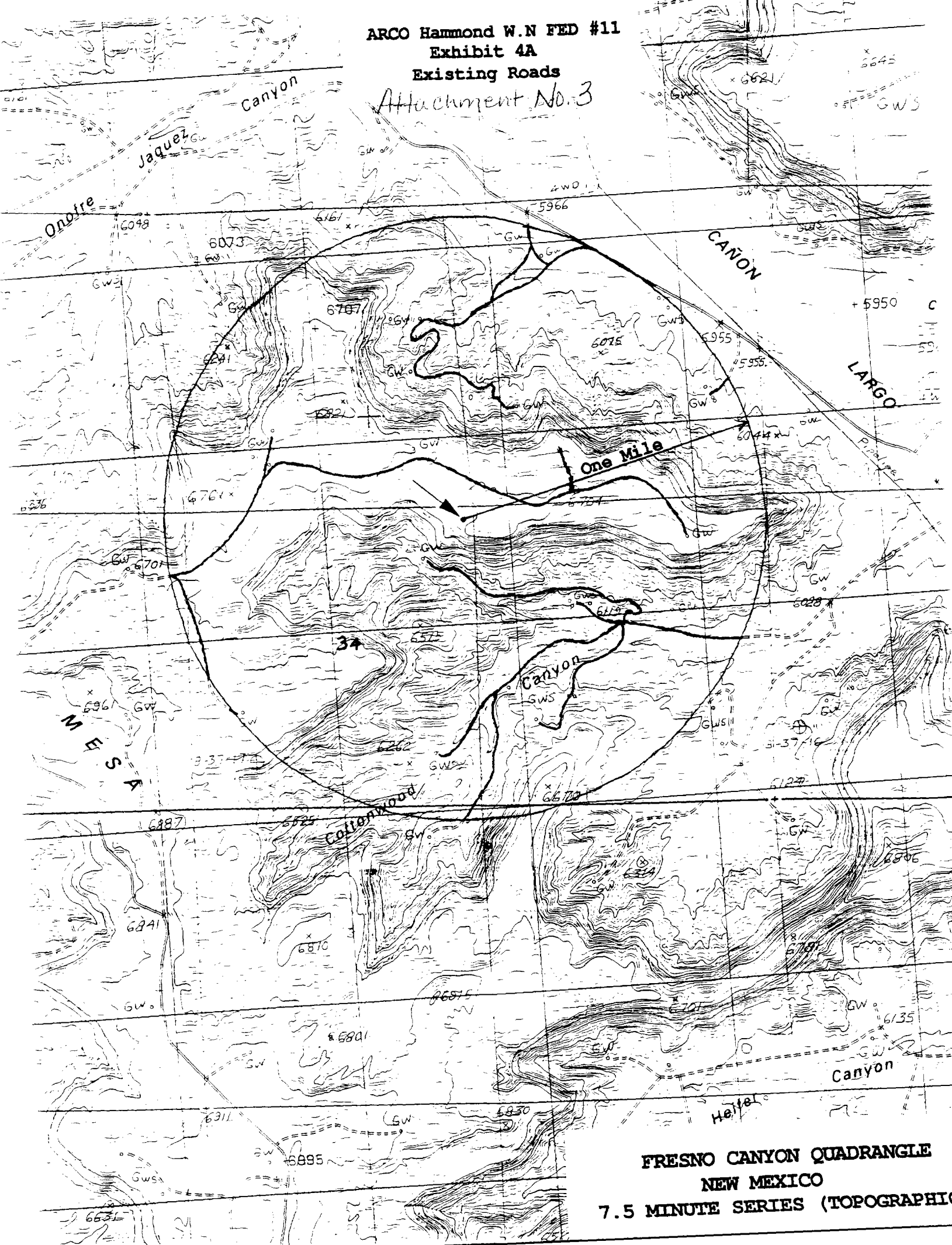
Date Surveyed

August 13, 1990

Signature & Seal of
Professional Surveyor

EDGAR L. RISENHOVER
NEW MEXICO
1979
Edgar L. Risenhoover
REGISTERED LAND SURVEYOR

Standard 640 acre Section



FRESNO CANYON QUADRANGLE


NEW MEXICO

7.5 MINUTE SERIES (TOPOGRAPHIC)

Attachment No. 4

SW Prod

Turner

2-A  18-E
PC 'D
'Lively Expl.
Lively

Lively Expl...
Lively

October 5, 1990

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Denver, Colorado 80202
(303) 571-4220

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Energy, Minerals and Natural Resources Dept.
Oil Conservation Division
P. O. Box 2088
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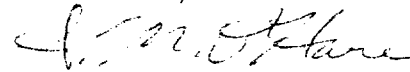
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Sincerely,



A. M. O'Hare, P.E.
President
Maralex Resources, Inc.

cc: Great Lakes Chemical, Certified
Western Oil & Minerals Ltd., Certified
Ibex Partnership, Certified
Meridian Oil Production, Co., Certified
Bureau of Land Management,
Farmington Resource Area

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WE HEREBY WAIVE OUR RIGHT TO OBJECT TO THE UNORTHODOX LOCATION PROPOSED IN THIS APPLICATION BY MARALEX RESOURCES, INC.

Company Name

BY: _____

Date: _____

Attachments

Attachment No. 1
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 August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐ **PLUG BACK** ☐

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

2. NAME OF OPERATOR
ARCO Oil and Gas Company, a Division of Atlantic Richfield Co.

3. ADDRESS OF OPERATOR
P.O. Box 1610, Midland, Texas 79702

4. LOCATION OF WELL (Report clearly and in accordance with any State requirements.)
At surface 205' FNL & 130' FEL (Unit Letter A)
At proposed Prod. zone Approximately the same

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
approximately 22 miles SE of Blanco, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. line, if any) **130'**

16. NO. OF ACRES IN LEASE
2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
320, E/2

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1927'

19. PROPOSED DEPTH
2405'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether GR or KB)
6690.0' GR

22. APPROX. DATE WORK WILL START
Spud 11/90

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT ^{ft³}
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(This space for Federal or State Use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

Attachment No. 2
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 ARCO Oil and Gas Company			Lease Hammond W.N. Federal		Well No. 11
Unit Letter A	Section 34	Township 27 North	Range 8 West	County San Juan	
NMPM					

Actual Footage Location of Well:

205 feet from the North line and 130 feet from the East line

Ground level Elev. 6690	Producing Formation Fruitland	Pool Basin-Fruitland Coal Gas	Dedicated Acreage: 320 Acres
----------------------------	----------------------------------	----------------------------------	---------------------------------

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

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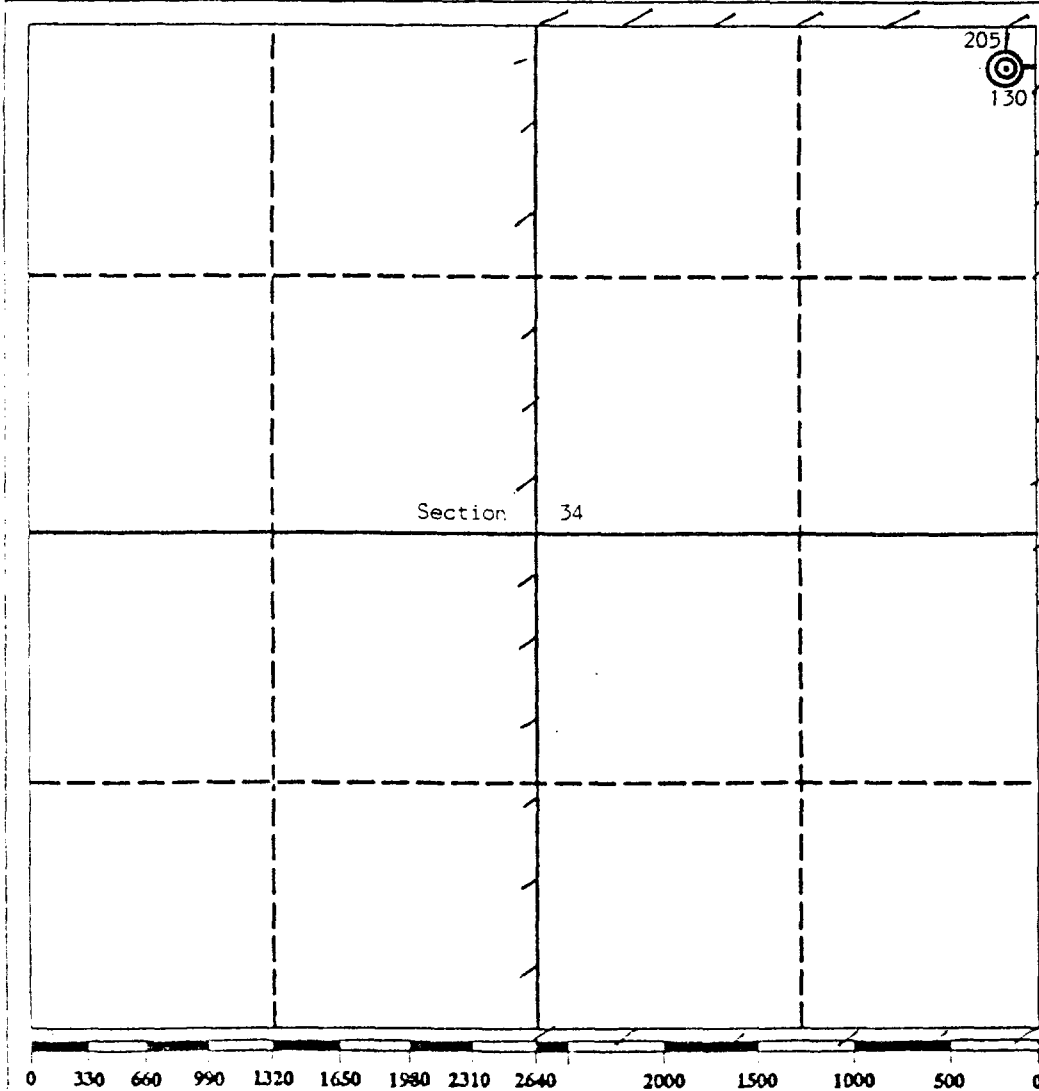
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☐ Yes ☐ No

If answer is "yes" type of consolidation

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Ken W. Gosnell

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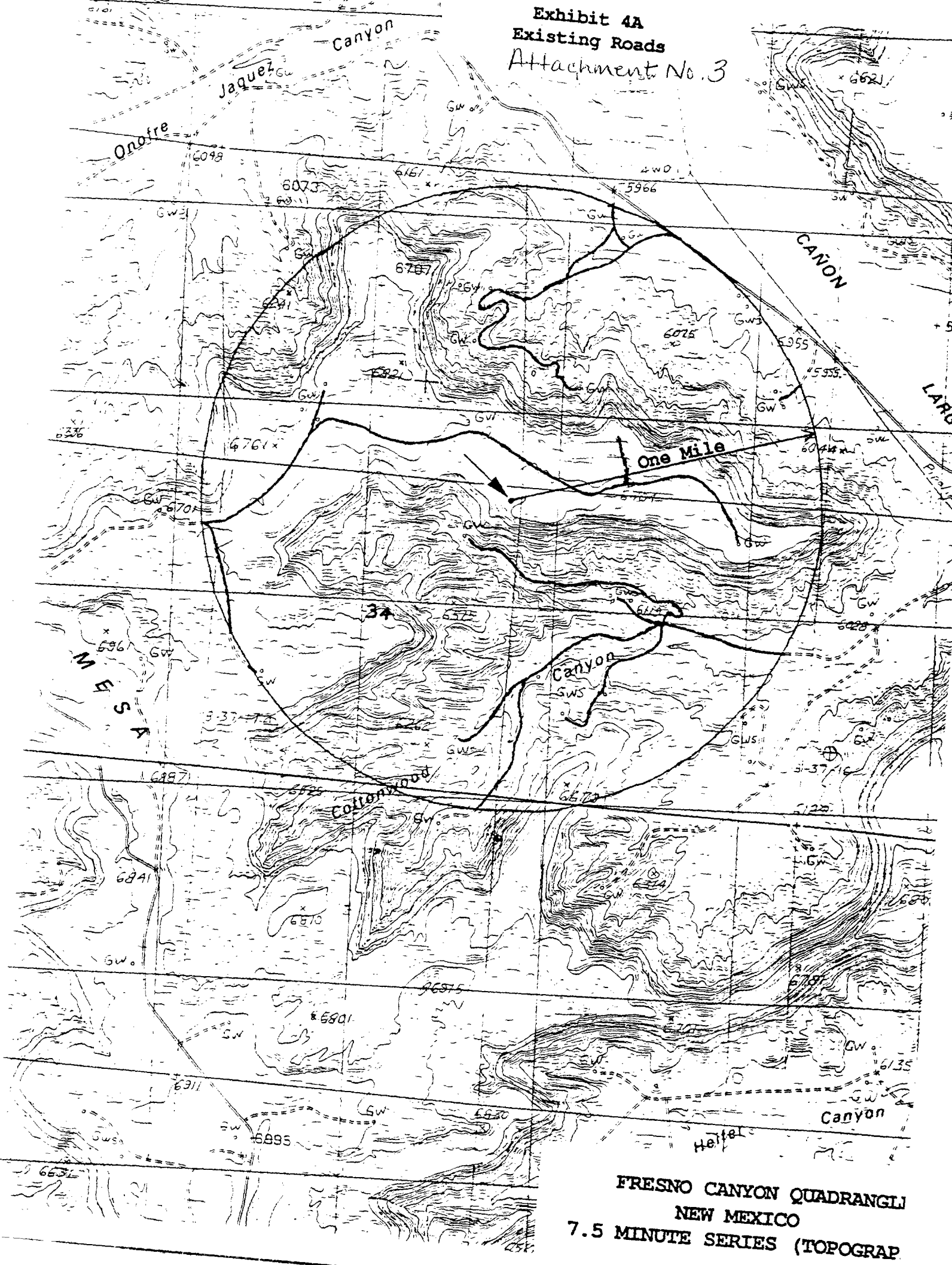
Date Surveyed

August 13, 1990

Signature & Seal of Professional Surveyor

Edgar L. Risenhoover
5979
Edgar L. Risenhoover

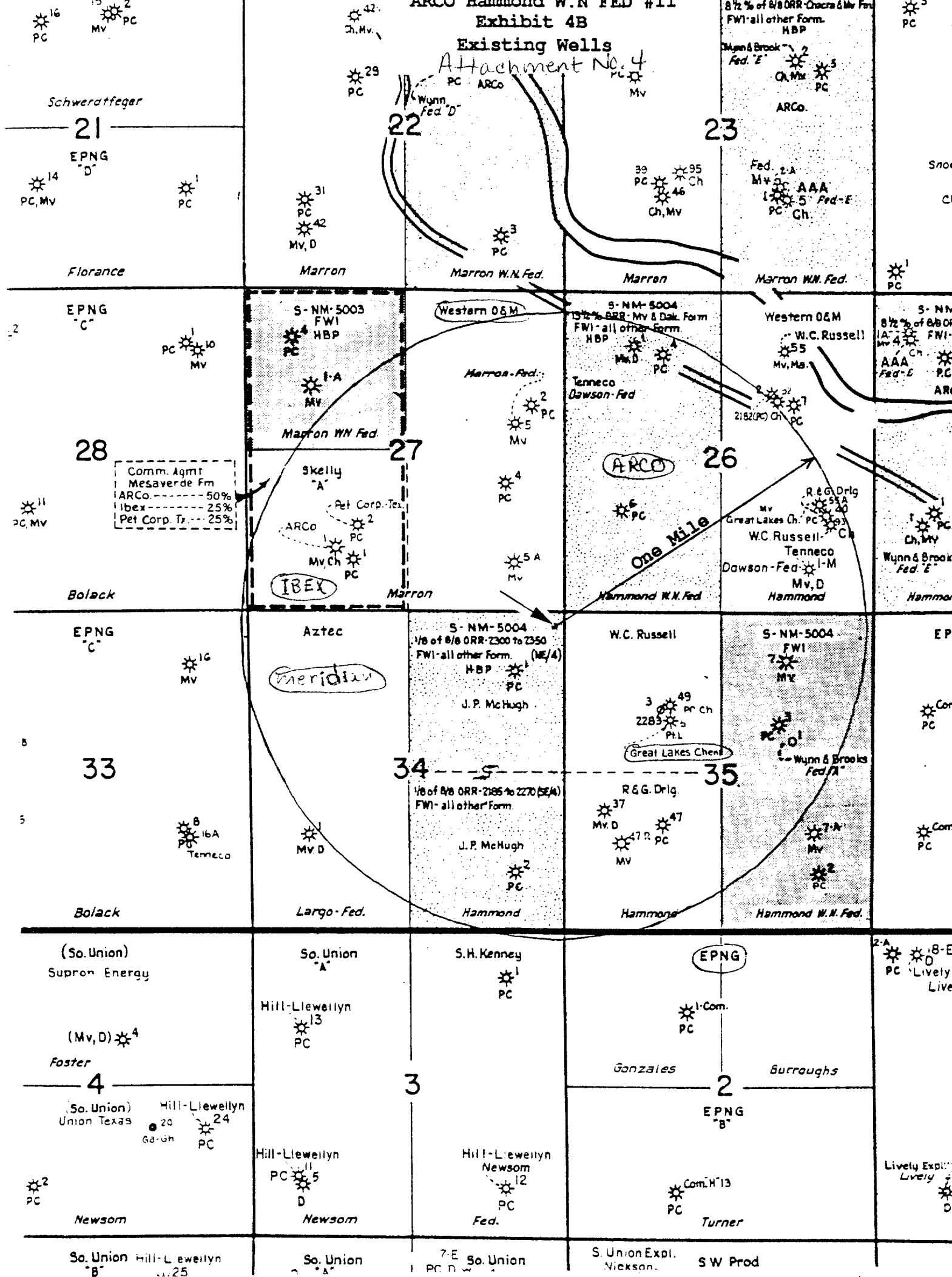
Exhibit 4A
Existing Roads
Attachment No. 3



FRESNO CANYON QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

Existing Wells

Attachment No. 4





OCT 17 AM 8 40

October 5, 1990

518 17th St., Suite 1030
Denver, Colorado 80202
(303) 571-4220

State of New Mexico
Energy, Minerals and Natural Resources Dept.
Oil Conservation Division
P. O. Box 2088
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Attn: William J. Lemay

Re: Unorthodox Location
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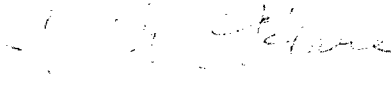
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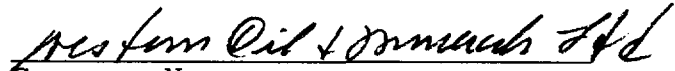
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President
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Bureau of Land Management,
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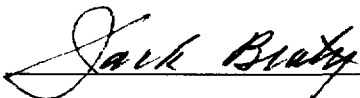
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Company Name

BY:

Date:

Attachments


10-15-90



October 5, 1990

518 17th St., Suite 1030
Denver, Colorado 80202
(303) 571-4220

State of New Mexico
Energy, Minerals and Natural Resources Dept.
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Great Lakes Chemical
Company Name

BY: Lourence M. Vaughan

Date: 10/24/90

Attachments

Van



OIL DIVISION
100

90 OCT 31 AM 8 46

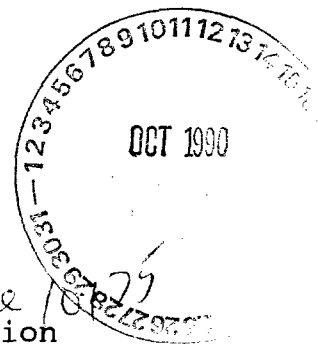
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By copy of this letter sent through certified mail, the offset operators are being notified of this application for unorthodox location. They are being requested to return to

the NMOCD an executed waiver of objections to the unorthodox location that is provided at the end of this letter. Maralex will submit to the NMOCD the return receipt cards signifying receipt by the offset operators of this notification as soon as they are returned to us.

By virtue of our purchase of ARCO's operating rights to the Fruitland Formation in all of Township 27 North, Range 8 West, San Juan County, New Mexico, Maralex is now the operator of the shallow rights designated under ARCO on Attachment No. 4.

Please call me at (303) 571-4220 at your earliest convenience if any additional information is required for processing of this application.

Sincerely,



A. M. O'Hare, P.E.
President
Maralex Resources, Inc.

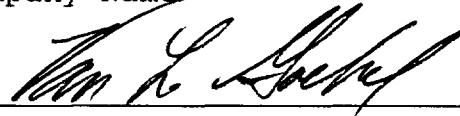
cc: Great Lakes Chemical, Certified
Western Oil & Minerals Ltd., Certified
Ibex Partnership, Certified
Meridian Oil Production, Co., Certified
Bureau of Land Management,
Farmington Resource Area

If you have no objection to the proposed unorthodox location, please sign the waiver below and forward to the NMOCD in the envelop provided.

WE HEREBY WAIVE OUR RIGHT TO OBJECT TO THE UNORTHODOX LOCATION PROPOSED IN THIS APPLICATION BY MARALEX RESOURCES, INC.

Meridian Oil Production Inc.
Company Name

BY:



Date:

10-28-90

Attachments



October 5, 1990

518 17th St., Suite 1030
Denver, Colorado 80202
(303) 571-4220

State of New Mexico
Energy, Minerals and Natural Resources Dept.
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Attn: William J. Lemay

Re: Unorthodox Location
Hammond W.N. Federal No. 11
NE Sec. 34, T27N, R8W
San Juan County, NM

Gentlemen:

Maralex Resources, Inc. (Maralex) hereby submits the following application in triplicate for an unorthodox location for the subject well. ARCO Oil and Gas has previously submitted a permit application (see Attachment No. 1) for the subject well with the Bureau of Land Management.

The proposed well is located 205' from the north line and 130' from the east line of Section 34. Attachment No. 2 is a completed C-102. A suitable location for the well could not be found in the northeast quarter of Section 34 due to the topography. Directional drilling of the well is not feasible due to the shallow total depth and the distance from a legal location to the surface location required due to the above mentioned cause.

Topographic obstructions, as shown on Attachment No. 3 include the steep terrain and cliffs leading from Blanco Mesa into Largo Canyon. Although there is one existing well within the orthodox location window, there is not sufficient room on the existing pad for another drilling location.

Attachment No. 4 shows existing wells in the area and all offset operators. To the best of our knowledge, the information on this map is current and correct. None of the offsetting wells are currently producing from the Basin Fruitland Coal pool.

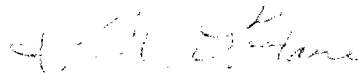
By copy of this letter sent through certified mail, the offset operators are being notified of this application for unorthodox location. They are being requested to return to

the NMOCD an executed waiver of objections to the unorthodox location that is provided at the end of this letter. Maralex will submit to the NMOCD the return receipt cards signifying receipt by the offset operators of this notification as soon as they are returned to us.

By virtue of our purchase of ARCO's operating rights to the Fruitland Formation in all of Township 27 North, Range 8 West, San Juan County, New Mexico, Maralex is now the operator of the shallow rights designated under ARCO on Attachment No. 4.

Please call me at (303) 571-4220 at your earliest convenience if any additional information is required for processing of this application.

Sincerely,



A. M. O'Hare, P.E.
President
Maralex Resources, Inc.

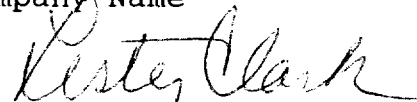
cc: Great Lakes Chemical, Certified
Western Oil & Minerals Ltd., Certified
Ibex Partnership, Certified
Meridian Oil Production, Co., Certified
Bureau of Land Management,
Farmington Resource Area

If you have no objection to the proposed unorthodox location, please sign the waiver below and forward to the NMOCD in the envelop provided.

WE HEREBY WAIVE OUR RIGHT TO OBJECT TO THE UNORTHODOX LOCATION PROPOSED IN THIS APPLICATION BY MARALEX RESOURCES, INC.

IBEX PARTNERSHIP
Company Name

BY:



Lester Clark, Authorized Partner

Date: October 19, 1990

Attachments

APPROVED
AS TO FORM



AS TO CONTENT



AS TO INTEREST

ADMINISTRATION

POST OFFICE BOX 911
BRECKENRIDGE, TEXAS 76024-0911
IBEX PARTNERSHIP
DIVISION
NOV 13 AM 8 52

AREA CODE 817 559-3355

November 9, 1990

State of New Mexico
Energy, Minerals and
Natural Resources Dept.
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Attention: William J. Lemay

Re: Unorthodox Location
Marron W.N. Federal Com
No. 9 and No. 11
San Juan County, New Mexico

Gentlemen:

Please find enclosed one (1) each original executed by Ibex Partnership on the above referenced.

Thank you.

Very truly yours,

Edgar L. Price

Edgar L. Price
Land Department

ELP/sm
L57/11890a
Enclosure