



Copy Sent To E. Busch 10/11/90

OIL CONSERVATION DIVISION
RECEIVED

90 OCT 10 AM 8 56
18 17th St., Suite 1030
Denver, Colorado 80202
(303) 571-4220

October 5, 1990

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

OK

Attn: William J. Lemay

Re: Unorthodox Location
Marron W.N. Federal No. 8
NE Sec. 23, 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 730' from the east line and 1762' from the north line of Section 23. Attachment No. 2 is a completed C-102. A suitable location for the well could not be found in the northeast quarter of Section 23 due to the topography, existing well locations, and a pipeline. 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 causes.

Topographic obstructions, as shown on Attachment No. 3 include the wash in the bottom of Smith Canyon. Although there are two existing wells within the orthodox location window, there is not sufficient room on the existing pads 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: Meridian Oil, Inc., Certified
Great Lakes Chemical, Certified
Western Oil & Minerals Ltd., 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: 10-29-90

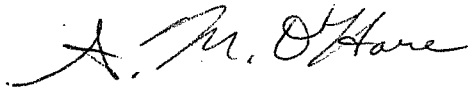
Attachments

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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: Meridian Oil, Inc., Certified
Great Lakes Chemical, Certified
Western Oil & Minerals Ltd., 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.

Great Lakes Chemical
Company Name

BY: Lawrence H. Vaughan

Date: 10/24/90

Attachments

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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: Meridian Oil, Inc., Certified
Great Lakes Chemical, Certified
Western Oil & Minerals Ltd., 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.

Western Oil & Minerals Ltd.
Company Name

BY: Jack Brady - Supervisor

Date: 10-15-90

Attachments

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 <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF - 078478
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 Marron W.N Federal
4. LOCATION OF WELL (Report clearly and in accordance with any State requirements.) At surface 1762' FNL & 730' FEL (Unit letter G) At proposed Prod. zone Approximately the same		9. WELL NO. #8
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE approximately 21 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) 730'		11. SEC., T., M., OR BLK. AND SURVEY OR AREA Sec 23, 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. 161'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether GR or KB) 5988.0' 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#	2318'	502 cuft/313 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 Ken W. Gosnell 915 688-5672 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

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

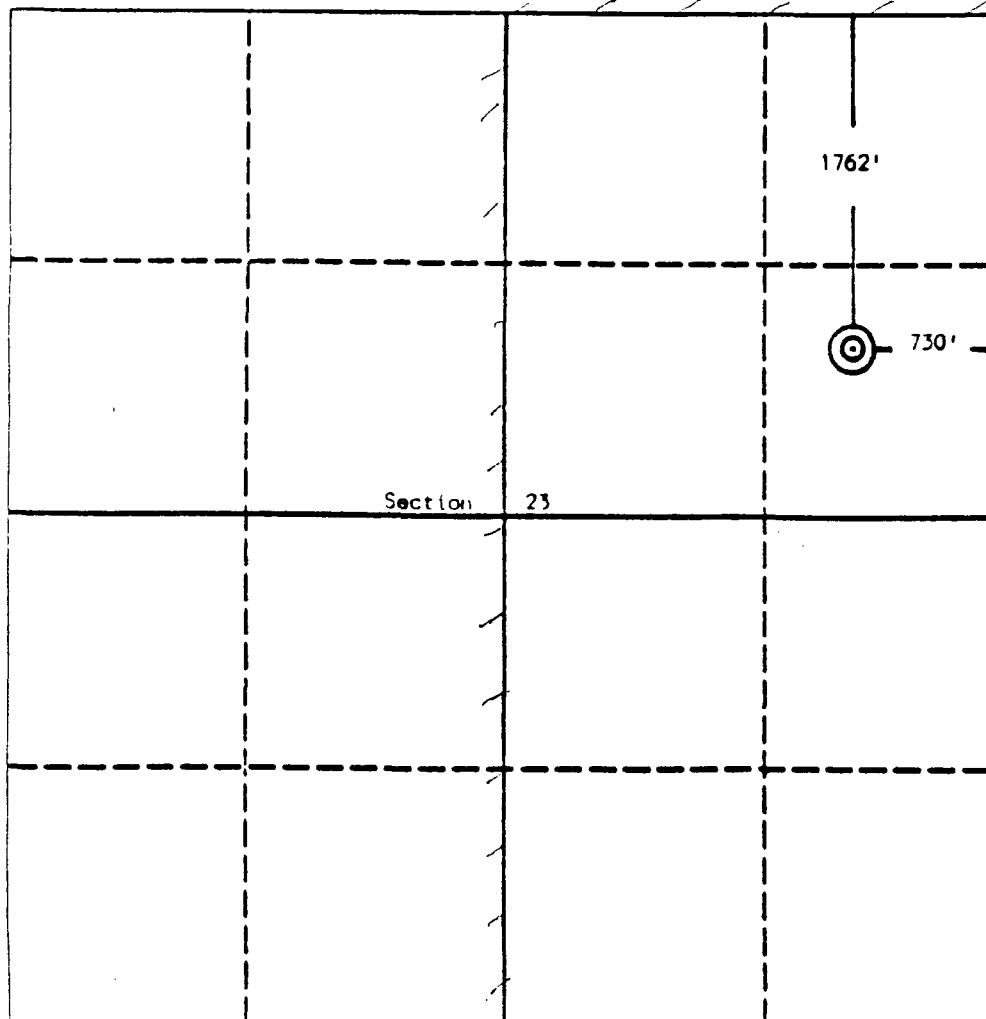
Operator ARCO Oil and Gas Company			Lease Marron W.N. Federal		Well No. 8
Unit Letter G	Section 23	Township 27 North	Range 8 West	County NMPM San Juan	
Actual Footage Location of Well: 1762 feet from the North line and 730 feet from the East line					
Ground level Elev. 5988	Producing Formation Fruitland		Pool Basin-Fruitland Coal Gas		Dedicated Acreage: E/2 320 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
9-14-90

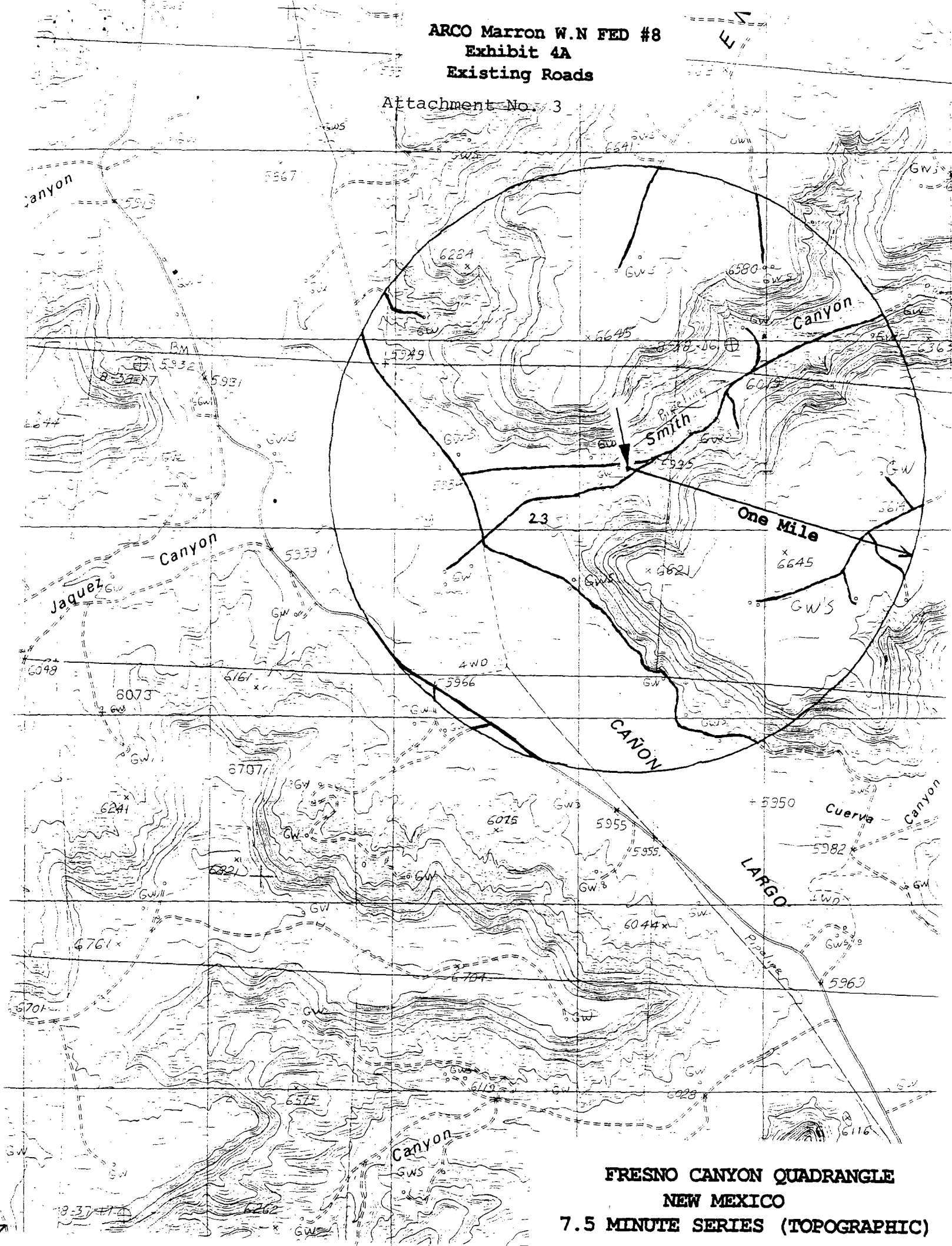
SURVEYOR CERTIFICATION

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 20, 1990

Signature & Seal of Professional Surveyor
Edgar L. Risenhoover
Certificate No. 3879
New Mexico
Edgar L. Risenhoover

Shirley C. Gosnell



FRESNO CANYON QUADRANGLE

NEW MEXICO

7.5 MINUTE SERIES (TOPOGRAPHIC)

San Juan 27-8

ARCO Marron W.N FED #8

Exhibit 4B

Existing Wells

Attachment NO. 4

Balack

Wynn Oil

SAN RIO

S - NM-5002
8 1/2 % of 8/8 ORR in Mv & D. Fm.
FWI - all other Form.
HBP

S - NM-5002
13 1/2 % of 8/8 ORR - Dakota For
FWI - all other Form.
HBP

NW Prod -
San Juan 27-8 7A

NW Prod -
San Juan 27-8 3"

OXNARD "B" W.N. FED COM.
Mv Form. (W/2)
ARCO 1/2 WI

ARCO

meridian
Fed.

meridian

Largo Fed.

Largo-Fed.

S - NM-5003
1/2 of 8/8 ORR - Mv & Dak.
FWI - all other Form.
HBP

W.C. Russell

S - NM-5003
8 1/2 % of 8/8 ORR - Chacra & Mv Fm.
FWI - all other Form.
HBP

Western O&M

S - NM-5003
FWI
MARRON W.N. FED COM.
Mv Form. (E/2)
ARCO - Oper. Fw

Great Lakes
chem

One Mile

Western O&M

S - NM-5004
13 1/2 % ORR - Mv & Dak. Form.
FWI - all other Form.
HBP

Western O&M

S - NM-5004
8 1/2 % of 8/8 ORR - Chacra & Mv
FWI - all other Form.

Western O&M

Tenneco
Dawson-Fed

ARCO

ARCO

W.C. Russell

26

25

S - NM-5004
1/8 of 8/8 ORR - 2300 to 2350
FWI - all other Form. (NE/4)
HBP

W.C. Russell

S - NM-5004
FWI
Mv

EPNG

EPNG

Lively Exp
Lively

EPNG

J.P. McHugh

Great Lakes Chem

Wynn & Brooks
Fed. 7"

Burroughs

Lively Exp
Lively

J.P. McHugh

Hammond

Hammond W.N. Fed.

Com E 6

PC

Hammond

1/8 of 8/8 ORR - 2185 to 2270 (SE/4)
FWI - all other Form.

R & G. Drig.

Mv

Com C 4

Com E 6

PC

Hammond

34

35

36

31

3

4x
PC

31