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JERRY W. LONG  
CONSULTANT

2709 Resolana Dr.  
Roswell, NM 88201

June 13, 1991

DIRECTOR  
Department of Energy and Minerals  
New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501-2088

Re: Application for Non-Standard Location  
GREAT WESTERN DRILLING COMPANY  
No.5 Mabel Hale Federal  
Unit E, Sec.11, T.19S., R.30E.  
Eddy County, New Mexico

Gentlemen:

You are respectfully requested to grant Administrative approval for a non-standard location for referenced well, which Great Western Drilling Company, P.O. Box 1659, Midland, Texas 79702, proposes to drill. The well will be a 3200' oil test in the Shugart pool.

The well has been staked 1500'FNL and 660'FWL, Sec.11, T.19S., R.30E., in order to provide the required "Buffer Zone" from the potash LMR. This location has the concurrence of the Bureau of Land Management, and the Amax Potash Company. However, this well is a non-standard location by NMOCD Regulations, since it is closer than 330' to a subdivision line.

Great Western Drilling Company is the working interest owner of all off-set drilling units, except the NESW of Sec.11. The working interests in the NESW of Sec.11 are as follows:

HARVEY E. YATES COMPANY  
SPIRAL, INC.  
EXPLORERS PETROLEUM CORP.  
HEYCO EMPLOYEES, LTD.  
STEVEN M. YATES  
EXBY LTD.  
P. O. Box 1933  
Roswell, N.M. 88201

BRUCE ANDERSON  
900 Allied Bank Plaza  
1000 Louisiana Street  
Houston, TX 77002-5099

ROGERS ASTON  
P. O. Box 1090  
Roswell, N.M. 88201

YATES ENERGY CORPORATION  
1010 Sunwest Center  
Roswell, N.M. 88201

TOM STEPHENS  
P.O. Box 698  
Roswell, N.M. 88201

JAMES H. YATES, INC.  
COLKELAN CORPORATION  
906 S. St. Frances Dr., Suite C  
Santa Fe, N.M. 87501

ROSE ANN MALONEY  
810 Stanolind  
Midland, TX 79705

FAIRWAY OIL & GAS CO.  
P. O. Box 50890  
Midland, TX 79710

JO ANN RYAN  
P. O. Box 1503  
Midland, TX 79702

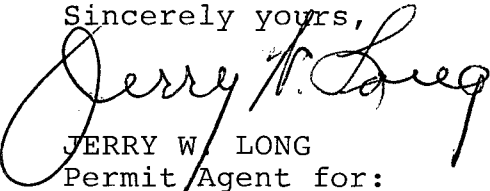
KERR-McGEE CORP.  
P. O. Box 11050  
Midland, TX 79702

BERGEN OIL CO.  
P. O. Box 2280  
Midland, TX 79702

A copy of this Application and a request for waiver of objection has been furnished, by Certified Mail, to the above off-set mineral owners.

Approval of this Application would provide the Applicant the opportunity to produce its just and equitable share of the oil from this pool.

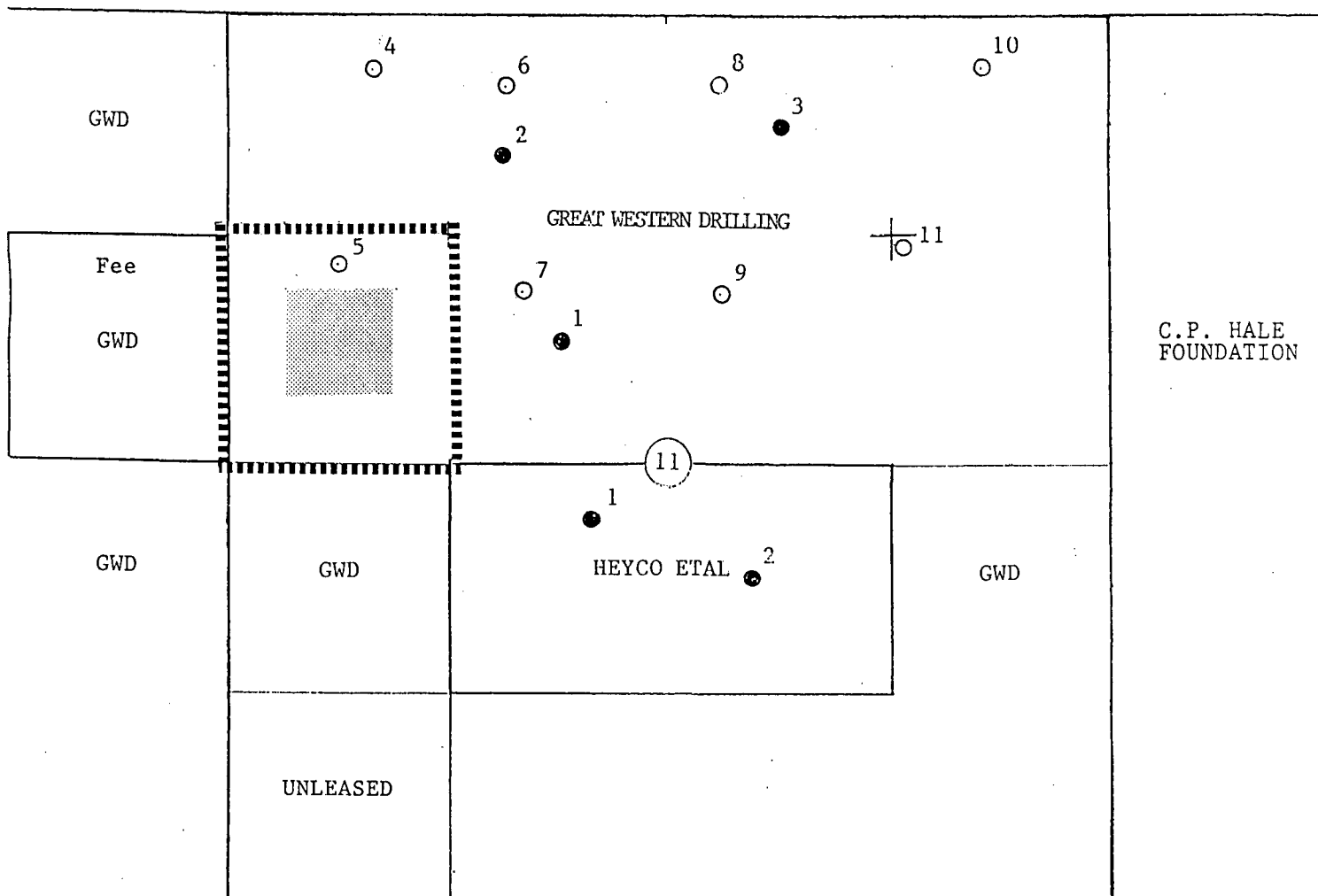
Sincerely yours,





JERRY W. LONG  
Permit Agent for:  
GREAT WESTERN DRILLING CO.

JWL/bll

GREAT WESTERN DRILLING COMPANY  
No.5 Mabel Hale Federal  
1500'FNL 660'FWL Sec.11-19S-30E  
Eddy County, New Mexico



 Drilling Unit  
 Standard Window

OWNERSHIP MAP  
(Working Interest)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

GREAT WESTERN DRILLING COMPANY

(Kenneth Smith)  
(505-396-5538)

3. ADDRESS OF OPERATOR

P.O. Box 1659

Midland, Texas 79702

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

At surface

1500' FNL, 660' FWL, Sec.11-19S-30E

At proposed prod. zone

Same

(UNIT E)

(SWNW)

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

24 air miles northeast of Carlsbad, New Mexico

16. DISTANCE FROM PROPOSED\*

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

660'

18. NO. OF ACRES IN LEASE

2160.32

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.

1100'±

19. PROPOSED DEPTH

3200'

20. ROTARY OR CABLE TOOLS

Rotary

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

3371.8 GL.

22. APPROX. DATE WORK WILL START\*

As Soon As Possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	685'	750 sx "C" + 2% CaCl <sub>2</sub> (Circ)
12-1/4"	8-5/8"	24#	1900'	1230 sx "C" + 2% CaCl <sub>2</sub> (Circ)
7-7/8"	5-1/2"	14#	3200'	400±sx "C" + 2% CaCl <sub>2</sub> Est. Top Cement - 1800'

Propose to drill to 3200'± to test Grayburg and intermediate formations.

This well is within the Designated Potash Area but outside of the NMOCD  
R-111-P Area.

Productive zones will be selectively perforated and stimulated.

See attached "SUPPLEMENTAL DRILLING DATA".

NMOCD approval of the unorthodox location is pending.

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

JERRY W. LONG

TITLE Permit Agent

DATE June 8, 1991

(This space for Federal or State office 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 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.

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 GREAT WESTERN DRILLING COMPANY			Lease MABEL <del>MABLE</del> HALE FEDERAL		Well No. 5
Unit Letter E	Section 11	Township 19 SOUTH	Range 30 EAST	County NMPM	EDDY
Actual Footage Location of Well: 660 feet from the WEST line and 1500 feet from the NORTH line					
Ground level Elev. 3371.8	Producing Formation Yates-SR-Q-Grayburg		Pool Shugart	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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).

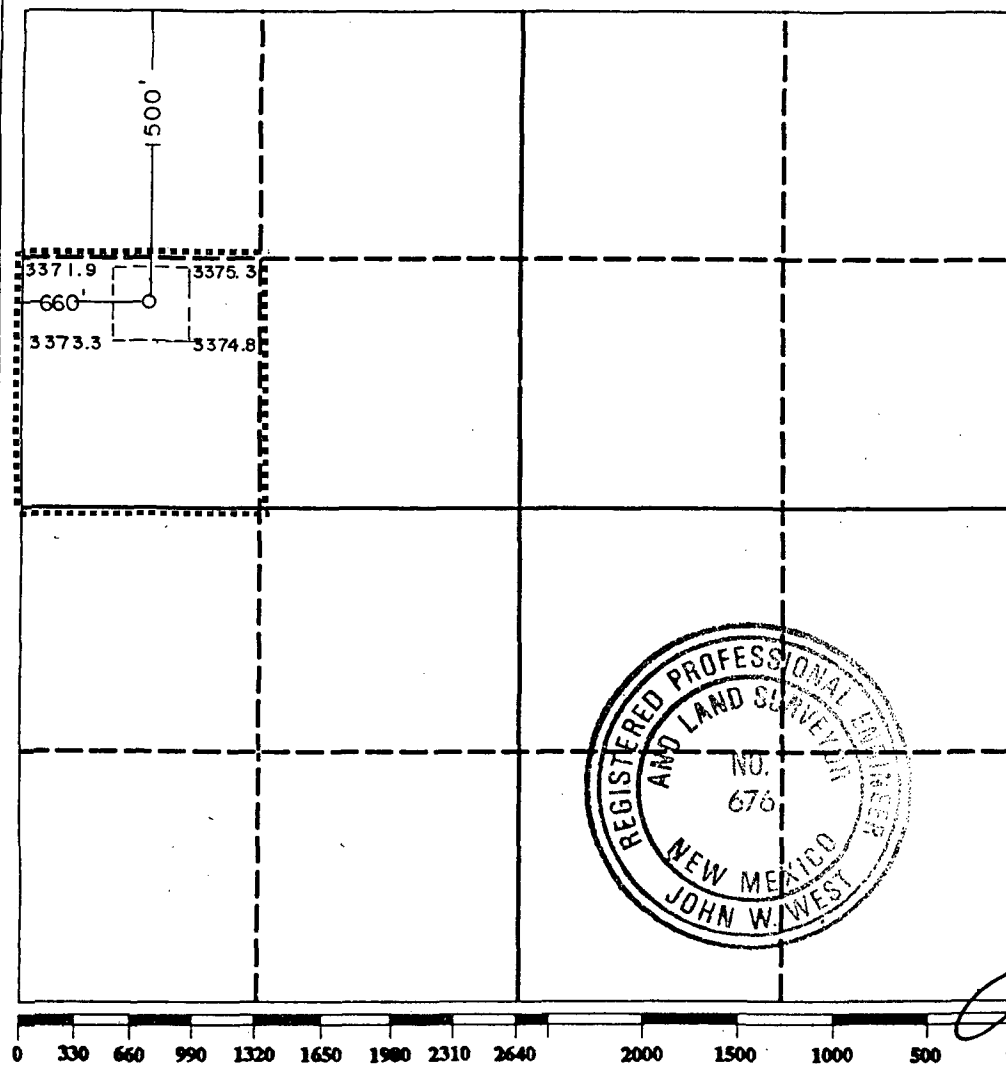
SINGLE LEASE

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 NA

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  
Printed Name  
JERRY W. LONG

Position  
Permit Agent

Company  
GREAT WESTERN DRILLING CO.

Date  
June 8, 1991

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  
5-13-91

Signature & Seal of  
Professional Surveyor

Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239