



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE  
NOV - 2 1987  
10-30-87

GARRY CARRUTHERS  
GOVERNOR

POST OFFICE BOX 1980  
HOBBS, NEW MEXICO 88241-1980  
(505) 393-6161

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

RE: Proposed:

- MC \_\_\_\_\_
- DHC \_\_\_\_\_
- NSL  \_\_\_\_\_
- NSP \_\_\_\_\_
- SWD \_\_\_\_\_
- WFX \_\_\_\_\_
- PMX \_\_\_\_\_

Gentlemen:

I have examined the application for the:

Arco oil & Gas Co. Seven Rivers Queen et #75-o 34-22-36  
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK Jerry Sexton  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

Jerry Sexton  
Jerry Sexton  
Supervisor, District 1

/ed

Release Date: November 2, 1987

BDC

ARCO Oil and Gas Company  
Central District  
Post Office Box 1610  
Midland, Texas 79702  
Telephone 915 688 5200



NSL-2430  
RUCE-104 F(I)

October 27, 1987

South Eunice Seven Rivers  
Queen Pool  
40 Acre d.d.  
SW 1/4 SE 1/4  
Section 34

Mr. William J. LeMay  
New Mexico Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

RE: Unorthodox Location  
Seven Rivers Queen Unit No. 75  
Lea County, New Mexico  
Eunice, So. (Seven Rivers Queen) Field

Dear Mr. LeMay:

ARCO Oil and Gas Company respectfully requests administrative approval to drill its Seven Rivers Queen Unit No. 75, a proposed producing well in an active waterflooding unit, at an unorthodox location of 180' FSL & 2620' FEL, Section 34, Township 22 South, Range 36 East, Lea County, New Mexico. The well is to be drilled to a TD of 3880' to test the Seven Rivers and Queen formations. In ARCO's opinion, completion of the well at the proposed location will provide an efficient production and injection pattern within a secondary recovery project. This well is expected to recover unswept oil by increasing the amount of floodable pay and by increasing the injection efficiency due to increased continuity. The proration units which offset this proposed well are all within the Seven Rivers Queen Unit and, therefore, no offset operators are to be notified of this request. Attached is a plat showing the Seven Rivers Queen Unit and the proposed well's location.

Very truly yours,

D. J. Hartman  
Area Engineer

DJH:CWE:sc

cc: New Mexico Oil Conservation Division  
P. O. Box 1980  
Hobbs, New Mexico 88240

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

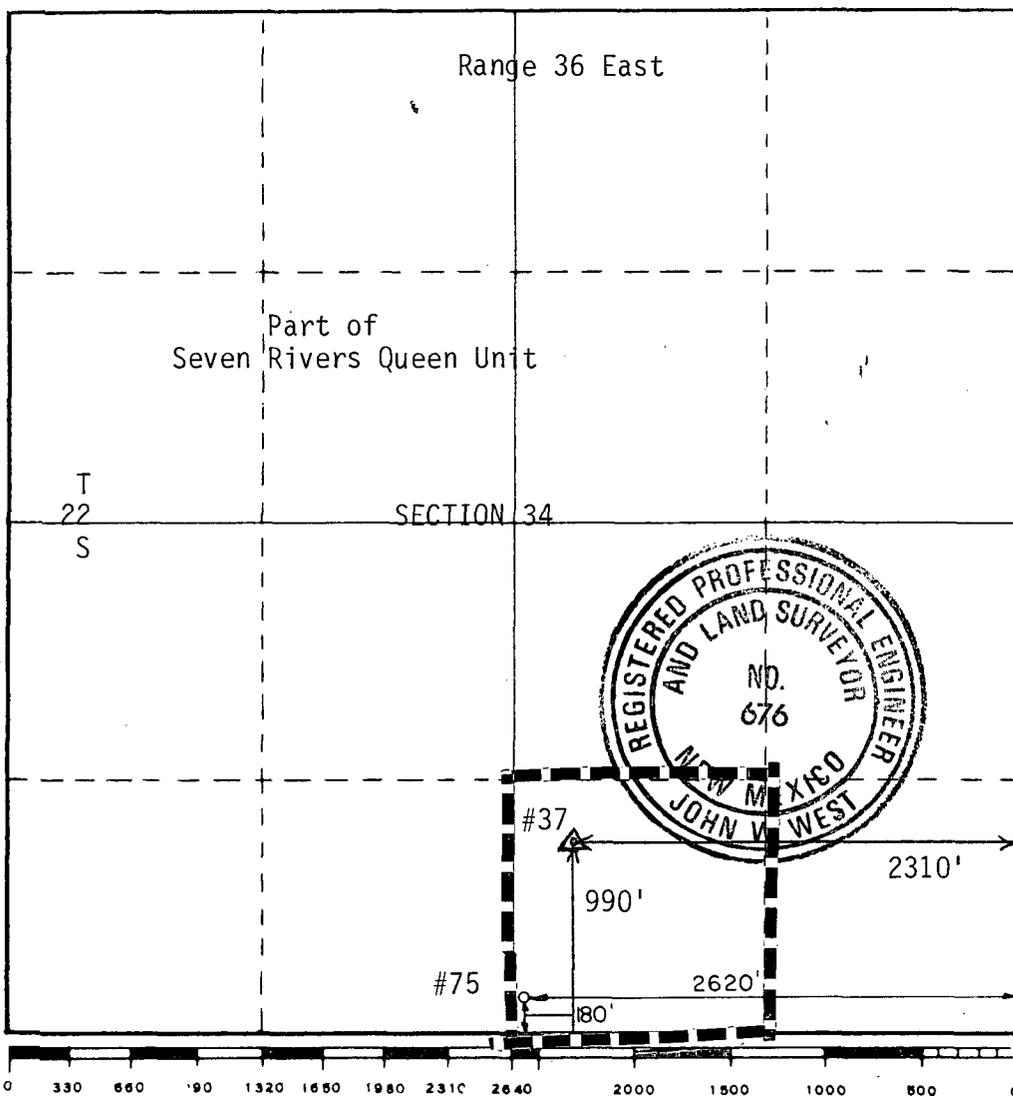
Operator Arco Oil & Gas		Lease Seven Rivers Queen Unit			Well No. 75
Unit Letter 0	Section 34	Township 22 South	Range 36 East	County Lea	
Actual Footage Location of Well: 180 feet from the South line and 2620 feet from the East line					
Ground Level Elev. 3499.3	Producing Formation Seven Rivers/ Queen		Pool Eunice, So. (SR/Qn)	Dedicated Acreage: 40 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation Unitization

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 interests, has been approved by the Commission.



CERTIFICATION

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

*Cindy Ellis*

Name  
Cindy Ellis

Position  
Engineer

Company  
ARCO Oil & Gas Co.

Date  
10-26-87

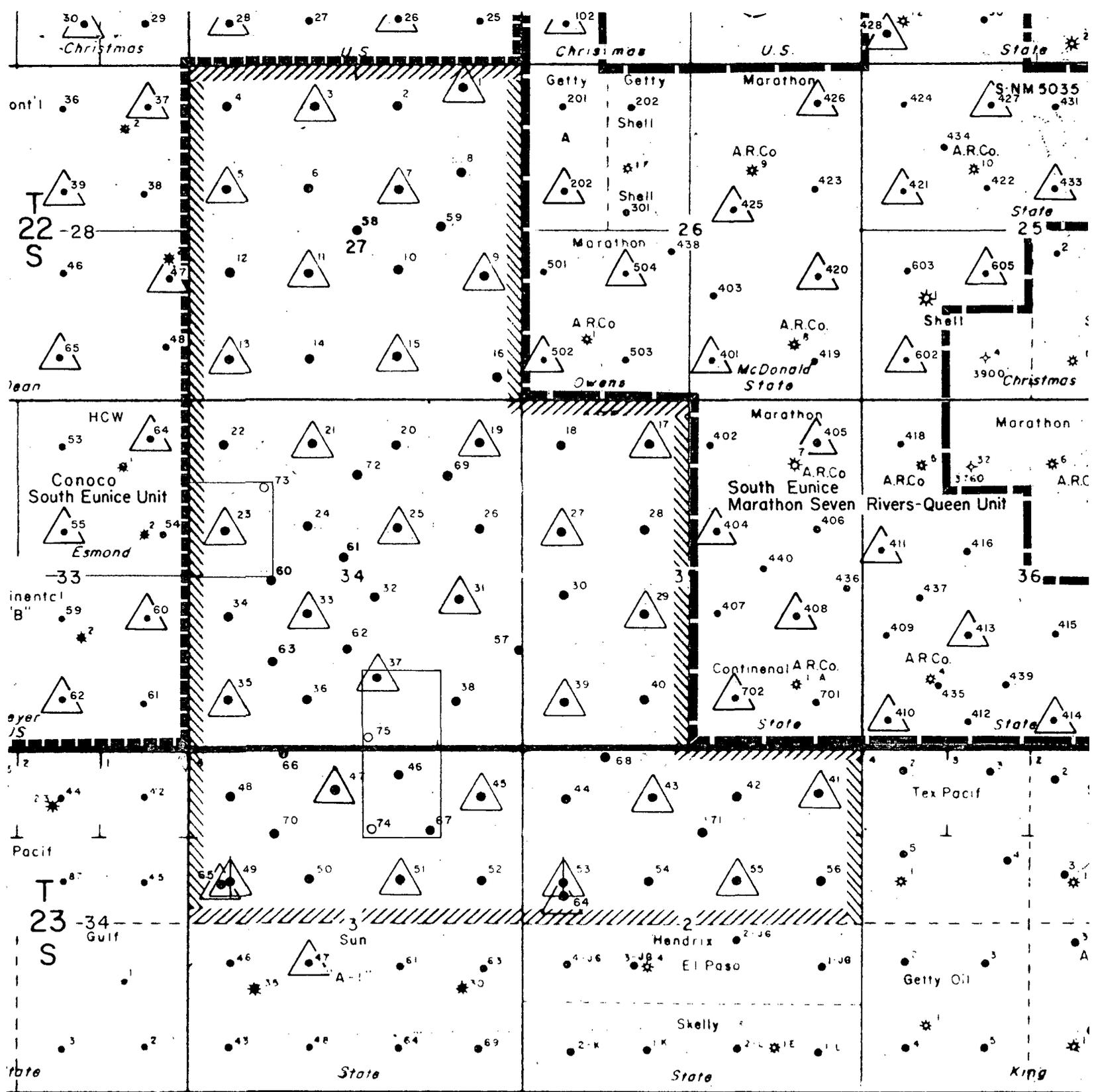
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
October 21, 1987

Registered Professional Engineer  
and/or Land Surveyor

*John W. West*

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



R 36 E

**ARCO Oil and Gas Company**   
 Division of Atlantic Richfield Company  
 Central District Midland, Texas

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**SEVEN RIVERS-QUEEN UNIT**  
 LEA CO., NEW MEXICO

PROPOSED WELLS  
 No. 73,74,75

Scale: 1" = 2000'

By C. ELLIS	Drawn By	Date 7-85
Date 7-85	Revised By E. Davis	Date 10-87
Dept. SOUTH ENGINEERING	Dwg. No.	