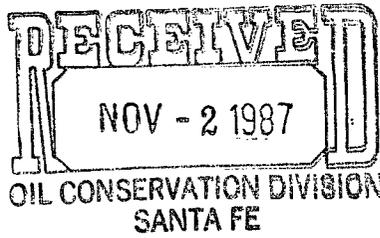


Release Date: November 2, 1987

B, DEC

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



October 27, 1987

NSL-2429  
RULE-104 F(I)

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

Langlie - Mattix Pool  
40 Acre dcd.  
NW1/4 NE1/4  
Section 3

RE: Unorthodox Location  
Seven Rivers Queen Unit No. 74  
Lea County, New Mexico  
Langlie Mattix Field

Dear Mr. LeMay:

ARCO Oil and Gas Company respectfully requests administrative approval to drill its Seven Rivers Queen Unit No. 74, a proposed producing well in an active waterflooding unit, at an unorthodox location of 1210' FNL & 2390' FEL, Section 3, Township 23 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.

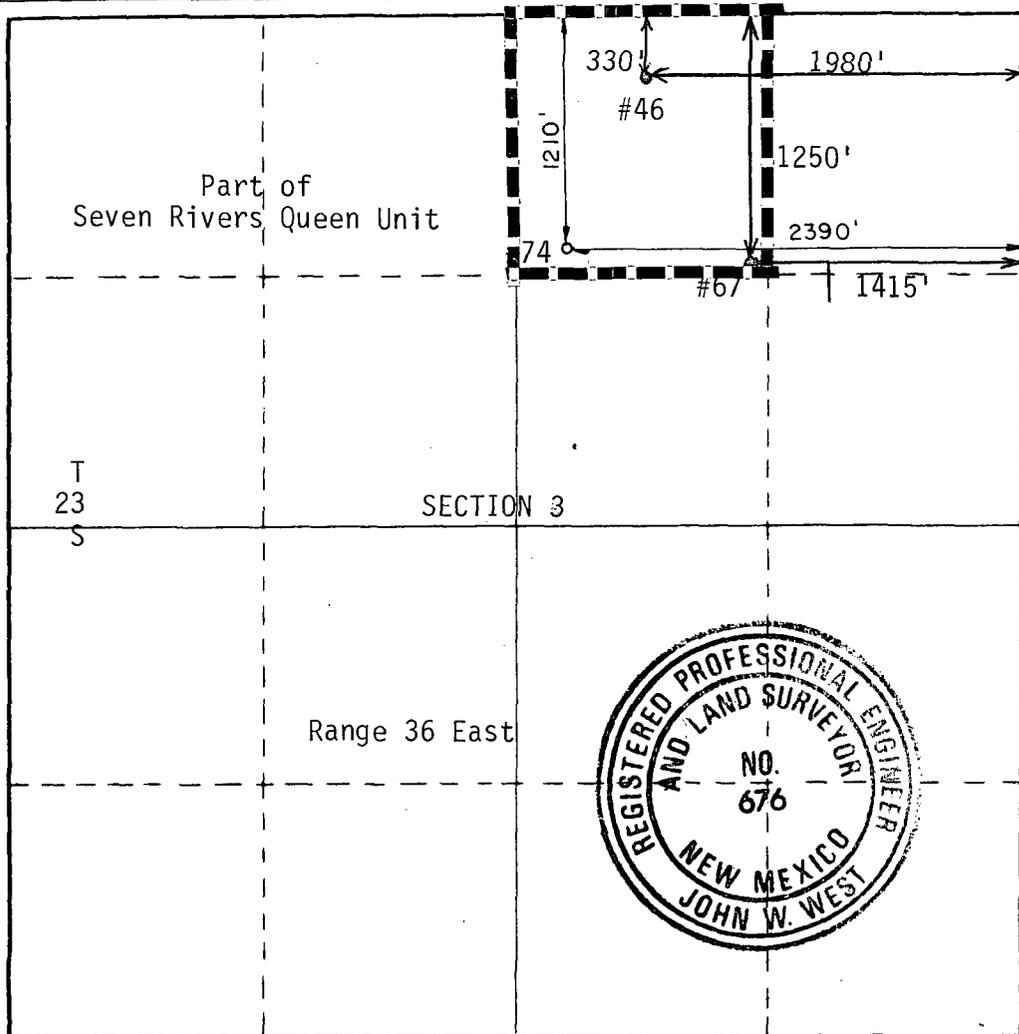
Operator Arco Oil & Gas		Lease Seven Rivers Queen Unit			Well No. 74
Unit Letter B	Section 3	Township 23 South	Range 36 East	County Lea	
Actual Footage Location of Well: 1210 feet from the North line and 2390 feet from the East line					
Ground Level Elev. 3493.4	Producing Formation Seven Rivers/ Queen		Pool Langlie Mattix	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 W. Ellis*

Name  
Cindy W. 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.

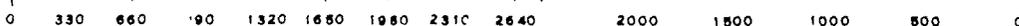
Date Surveyed  
October 21, 1987

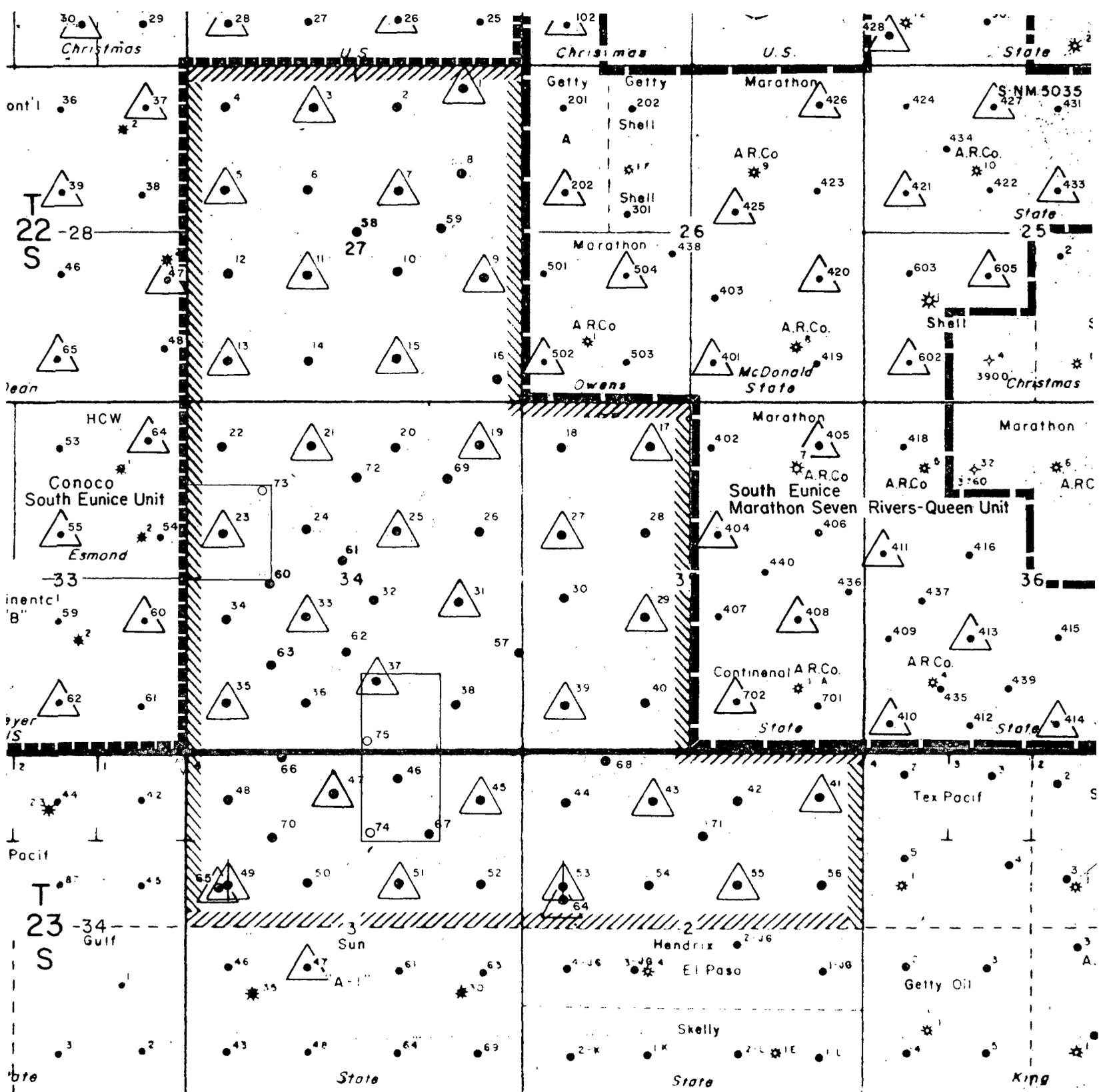
Registered Professional Engineer and/or Land Surveyor

*John W. West*

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

96580





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

**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.	



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
 OIL CONSERVATION DIVISION  
 HOBBS DISTRICT OFFICE

GARREY CARRUTHERS  
 GOVERNOR

RECEIVED  
 NOV - 2 1987  
 10-30-87  
 OIL CONSERVATION DIVISION  
 SANTA FE

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:

*Arcs Oil & Gas Co. Seven Rivers Queen ut 74-B 3-23-36*  
 Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

*OK*

Yours very truly,

*Jerry Sexton*  
 Jerry Sexton  
 Supervisor, District 1

/ed