

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

30-025-28684

Form C-101
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		7. Unit Agreement Name Seven Rivers Queen Unit
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. Farm or Lease Name Seven Rivers Queen Unit
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company		9. Well No. 63
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Eunice Seven Rivers QnS
4. Location of Well UNIT LETTER <u>L</u> LOCATED <u>1330</u> FEET FROM THE <u>South</u> LINE AND <u>1310</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>34</u> TWP. <u>22S</u> RGE. <u>36E</u> NMPM		12. County Lea
19. Proposed Depth 3900'		19A. Formation Seven Rivers Qn
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 3499.2' GR	21A. Kind & Status Plug. Bond GCA #8	21B. Drilling Contractor not selected
22. Approx. Date Work will start 5/28/84		

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13-3/8" OD	54.5#	30'	2 1/2 yds Redi-mix	Surf
11"	8-5/8" OD	24#	300'	175 sx	Circ to surf
7-7/8"	5 1/2" OD	15.5#	3900'	725 sx	Circ to surf

Propose to drill an infill producer in order to recover additional reserves and enhance injection efficiency.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 11/5/84
UNLESS DRILLING UNDERWAY

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. GIVE SHUT-IN PREVENTION PROGRAM, IF ANY.

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

Signed Rafael E. Salinas Title Drlg. Engr. Date 4/10/84

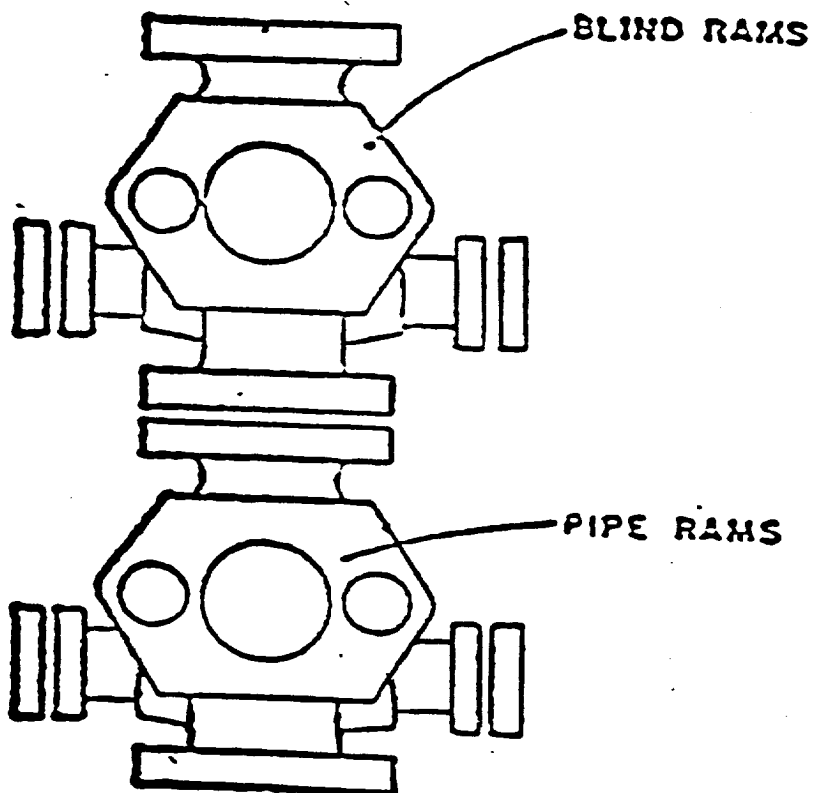
(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE

MAY 15 1984

CONDITIONS OF APPROVAL, IF ANY:



ARCO Oil & Gas Company

Division of Atlantic Richfield Company

Blow Out Preventer Program

Lease Name Seven Rivers Queen Unit

Well No. 63

Location 1330' FSL & 1310' FWL
Sec 34-22S-36E, Lea County

BOP to be tested when installed on well and will be maintained in good working condition during drilling. All wellhead fittings to be of sufficient pressure to operate in a safe manner.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 7-77
Supersedes 6-6-8
Effective 1-1-85

All distances must be from the outer boundaries of the Section

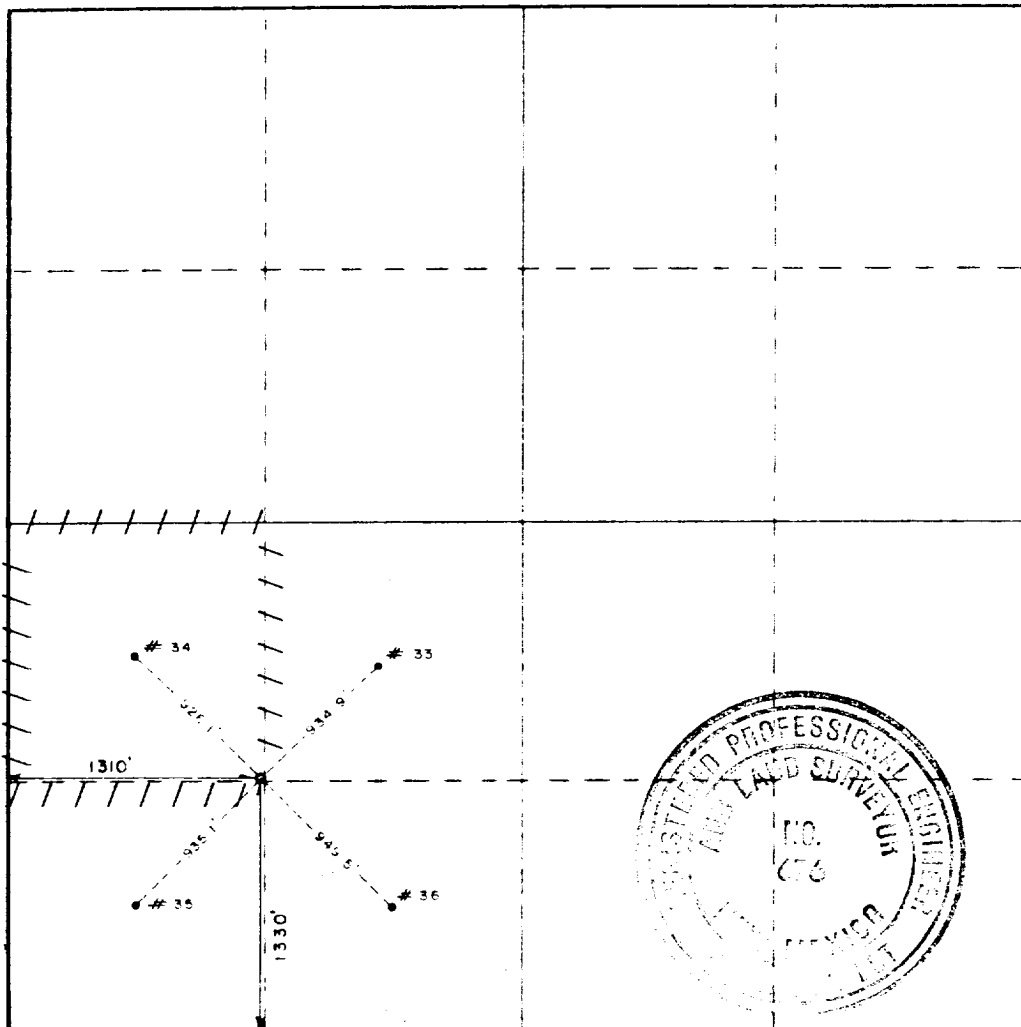
Div. of Atlantic Richfield Co. ARCO OIL & GAS Company		SEVEN RIVERS QUEEN UNIT		63
Section L	Section 34	Township 22S	Range 36E	County LEA
Acreage of Section and Well				
1330	feet from the SOUTH line and	1310	feet from the WEST line and	
Section and Elevation 3499.2	Producing Formation Seven Rivers Queen		Section and Elevation Eunice, South	40

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 _____

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.

Robert E. Balling
Drig Engr.

Company ARCO Oil and Gas Co.
Div of Atlantic Richfield Co.

Date
4/10/84

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
1/19/84

Registered Professional Engineer and Land Surveyor

John W. West

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

ARCO Oil and Gas Company
Permian District
Post Office Box 1610
Midland, Texas 79702
Telephone 915 684 0100



April 12, 1984

Mr. Joe D. Ramey
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Ramey:

RE: Unorthodox Location
Seven Rivers Queen Unit No. 63
Lea County, New Mexico

ARCO Oil and Gas Company respectfully requests administrative approval to drill its Seven Rivers Queen Unit No. 63, a producing well in an active waterflooding unit, at an unorthodox location of 1330' FSL and 1310' FWL, Section 34, Township 22 South, Range 36 East, Lea County. The well is to be drilled to a TD of 3900' to test the Seven Rivers 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. Offset operators have been notified of this request via certified mail. Attached is a plat showing the Seven Rivers Queen Unit and the proposed well's location.

Very truly yours,

Craig L. Payken
Area Engineer

CLP:RBM:sc
Att.

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

cc: Conoco Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

cc: Sun Exploration and Production Co.
P. O. Box 1861
Midland, Texas 79702

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 1
Supersedes 1-1, 1-2, 1-3
1-10-1973

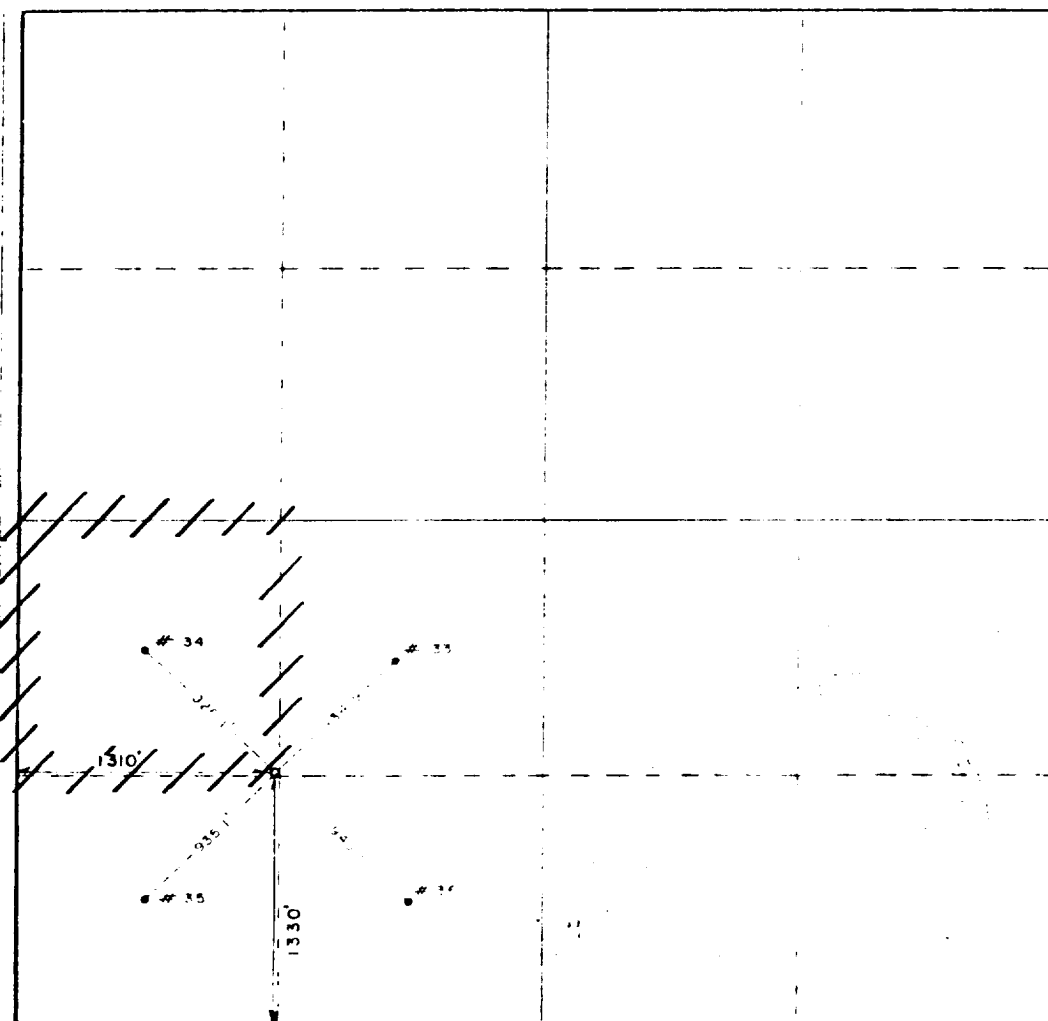
Operator ARCO OIL & GAS CORP.		Unit SEVEN RIVERS QUEEN UNIT		Acreage 63	
Section Letter L	Section 34	Township 22S	Range 36E	County LEA	
Actual Surface Elevation of Well					
1330 feet from the SOUTH line and		1310 feet from the WEST line			
Ground Level Elev. 3499.2	Producing Formation SEVEN RIVERS QUEEN		Depth EUNICE SOUTH		Depth from Surface 40

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).
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 _____

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.



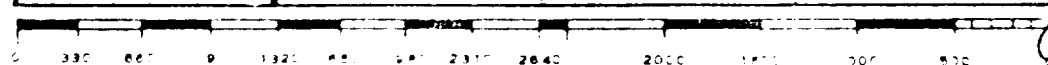
CERTIFICATION

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

Craig L. Payton
AREA ENGINEER
ARCO OIL AND GAS CO.
12 APRIL, 1984

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 of Survey 1/19/84
Registration Number and Location 1330, 1310
Certificate No. JOHN W. WEST
RONALD J. ELLISON

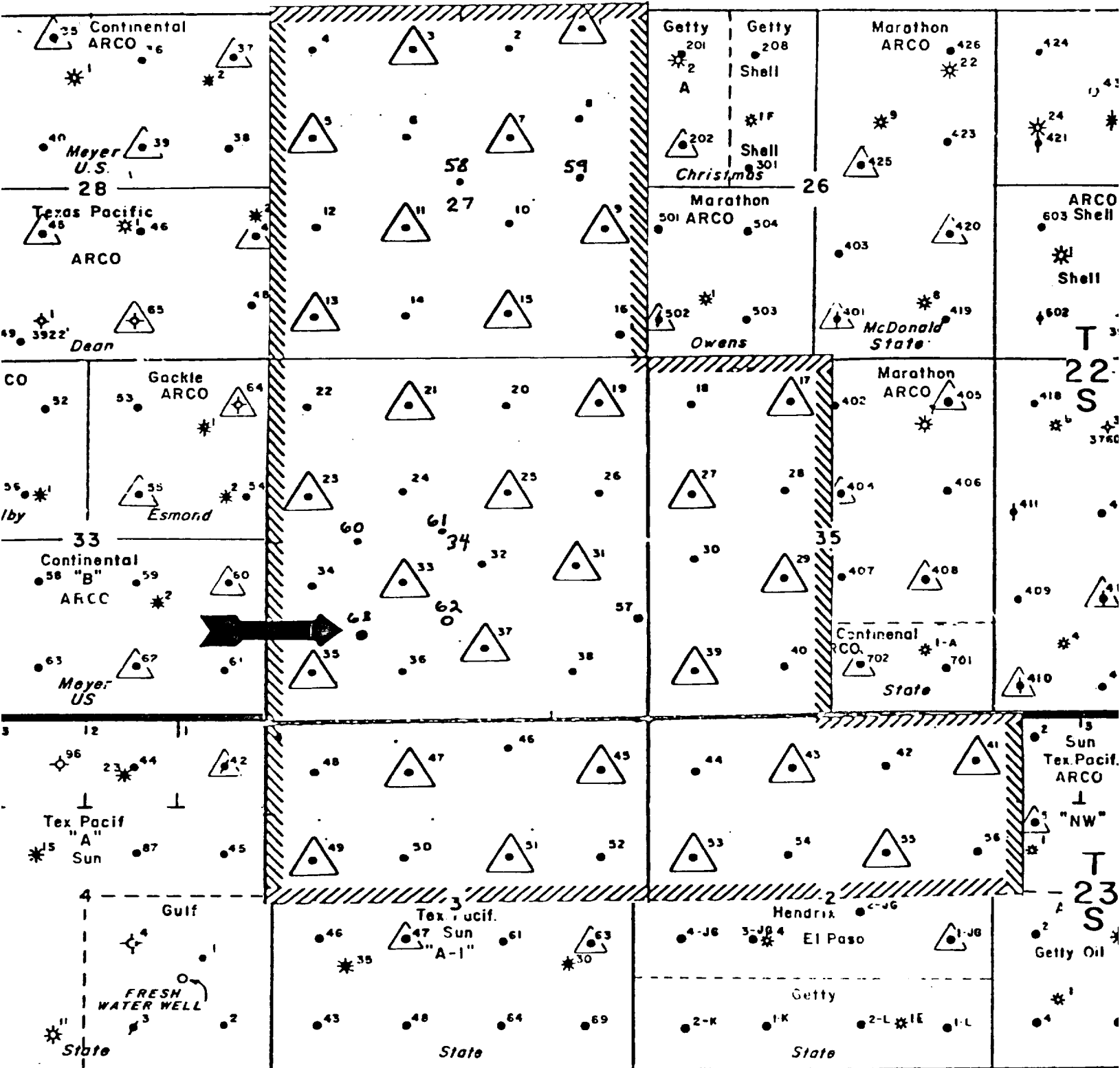


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APR 16 1984

O.C.D.
MOBBS OFFICE

R 36 E



R 36 E

UNIT BOUNDARY

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

SEVEN RIVERS-QUEEN UNIT
LEA COUNTY, NEW MEXICO

UNIT MAP

Figure 2

SCALE: 1" = 2000'

By: R. CRAIG	Drawn By: [Signature]	Date: 4-81
Date: 2-82	Revised By: [Signature]	Date: [Blank]
By: WEST AREA ENGR.	By: [Signature]	Date: [Blank]

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APR 16 1984

O.C.D.
HOBBS OFFICE

FILE