

Case Number

4782

Application

Transcripts

Small Exhibits

ETC.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 4782
Order No. R-4380

APPLICATION OF ATLANTIC RICHFIELD
COMPANY FOR A WATERFLOOD PROJECT,
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 26, 1972,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter and
was continued to September 13, 1972.

NOW, on this 30th day of August, 1972, the Commission,
a quorum being present, having considered the record and the
recommendations of the Examiner, and being fully advised in the
premises,

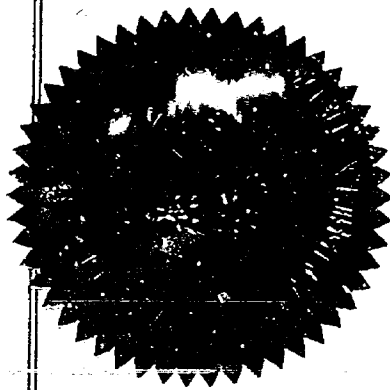
FINDS:

That the applicant's request for dismissal should be
granted.

IT IS THEREFORE ORDERED:

That Case No. 4782 is hereby dismissed.

DONE at Santa Fe, New Mexico, on the day and year hereinabove
designated.



S E A L

dr/

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Bruce King
BRUCE KING, Chairman

Alex J. Armijo
ALEX J. ARMIJO, Member

A. L. Porter, Jr.
A. L. PORTER, Jr., Member & Secretary

(Case 4783 continued)

2. A 240-acre unit comprising the NW/4 of Section 14 and the N/2 NE/4 of Section 15, to be dedicated to its State "A" A/1 Well No. 28;
3. A 320-acre unit comprising the N/2 of Section 23 to be dedicated to its State "A" A/1 Wells Nos. 26 and 27.

CASE 4747: (Continued from the June 28, 1972, Examiner Hearing)

Application of Union Texas Petroleum, a Division of Allied Chemical Corporation for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests below the base of the Devonian formation underlying the N/2 of Section 33, Township 25 South, Range 37 East, Crosby Field, Lea County, New Mexico. Said acreage to be dedicated to its well to be located 1650 feet from the North line and 2310 feet from the East line of said Section 33. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4773: Application of Union Texas Petroleum, a Division of Allied Chemical Corporation, a pressure maintenance project, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project in the Cato-San Andres Pool by the injection of water into the San Andres formation through its Baskett Well No. 1 located in Unit K of Section 11, Township 8 South, Range 30 East, Chaves County, New Mexico.

Applicant further seeks a procedure whereby additional injection wells and expansion of the project area may be approved without the necessity of notice and hearing.

CASE 4780: Application of Atlantic Richfield Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Robinson-Jackson Unit Area comprising 1160 acres, more or less, of Federal lands in Sections 27, 34, and 35, Township 17 South, Range 29 East, Grayburg-Jackson Pool, Eddy County, New Mexico.

CASE 4781: Application of Atlantic Richfield Company for amendment of a waterflood order and dual completions, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3185, as amended by Order No. R-3185-A, to permit the dual completion of its Turner "A" SP Wells Nos. 15 and 35 located in Section 19 and its Turner "B" SP Wells Nos. 41 and 78 located in Section 20, Township 17 South, Range 31 East, Grayburg-Jackson Pool, Eddy County, New Mexico, in such a manner as to permit selective injection of water into the Grayburg and San Andres zones.

CASE 4782: Application of Atlantic Richfield Company for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks

*Cont'd to
Sep 4/72*

(Case 4782 continued from page 4)

authority to institute a waterflood project in the Robinson-Jackson Unit Area, Grayburg-Jackson Pool, Eddy County, New Mexico, by the injection of water through thirteen wells located in Sections 27, 34, and 35 of Township 17 South, Range 29 East, Eddy County, New Mexico.

CASE 4771: Application of Black River Corporation for a non-standard gas unit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 402.22-acre, more or less, non-standard gas unit adjacent to the Washington Ranch-Morrow Gas Pool, comprising the W/2 of Section 4, Township 26 South, Range 24 East, Eddy County, New Mexico, to be dedicated to a well to be located in the approximate center of Lot 5 (SE/4 NW/4) of said Section 4.

CASE 4772: Application of Black River Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all leasehold, mineral, and royalty interests underlying the W/2 of Section 4, Township 26 South, Range 24 East, adjacent to the Washington Ranch-Morrow Gas Pool, Eddy County, New Mexico, comprising a 402.22-acre, more or less, non-standard gas unit. Said acreage to be dedicated to a well to be located in the approximate center of Lot 5 (SE/4 NW/4) of said Section 4.

Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4784: Southeastern New Mexico nomenclature case calling for an order for the creation and extension of certain pools in Lea, Roosevelt and Chaves Counties, New Mexico.

(a) Create a new pool in Lea County, New Mexico, classified as a gas pool for Fusselman production and designated as the Crosby-Fusselman Gas Pool. The discovery well is Union Texas Petroleum Corporation Crosby Deep No. 1 located in Unit N of Section 28, Township 25 South, Range 37 East, NMPM. Said pool described as:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
SECTION 28: S/2

(b) Create a new pool in Lea County, New Mexico, classified as a gas pool for San Andres production and designated as the North Eunice-San Andres Gas Pool. The discovery well is Sohio Petroleum Company, Alves "A" No. 2 located in Unit M of Section 8, Township 21 South, Range 37 East, NMPM.

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
SECTION 8: SW/4

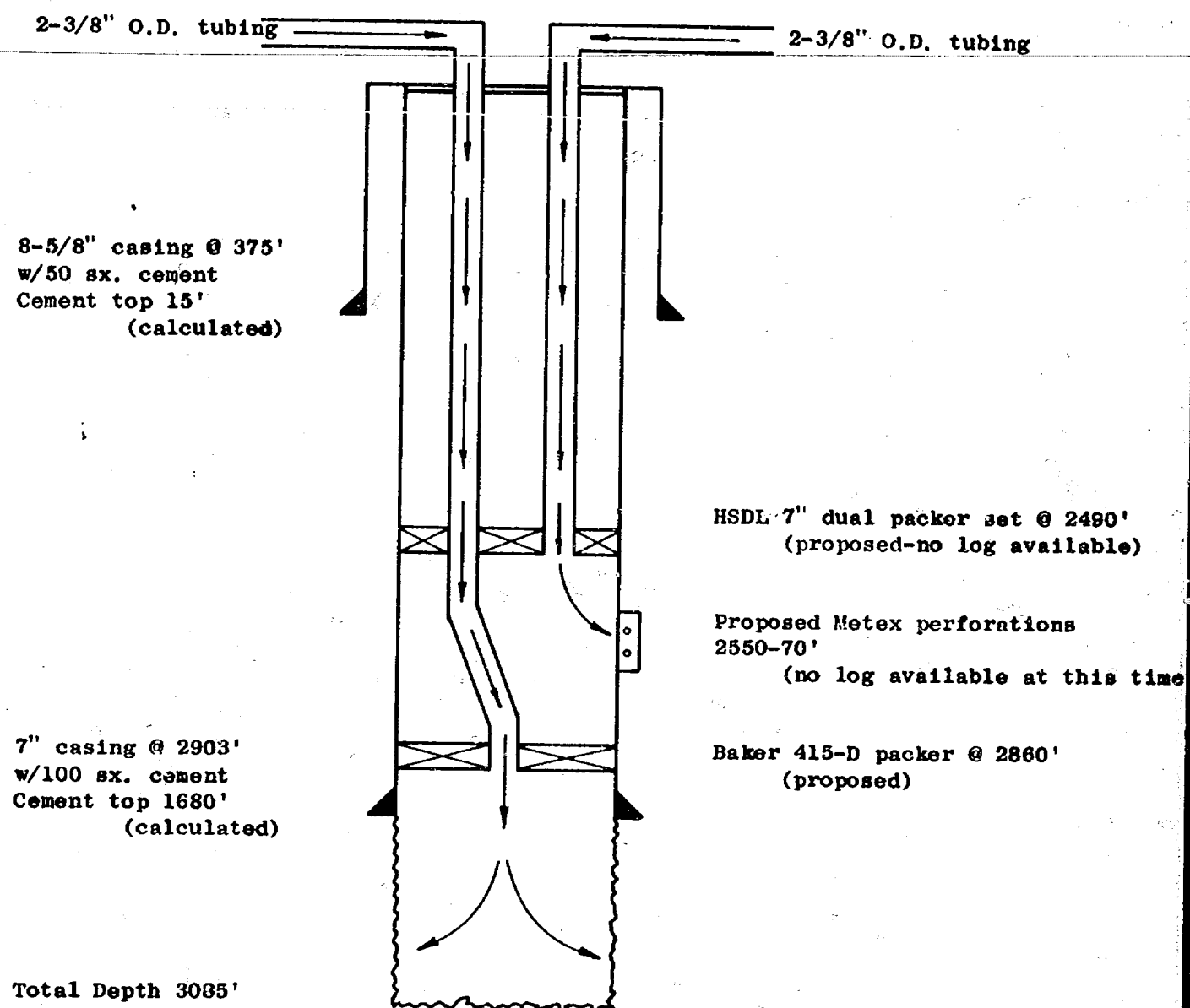
(c) Create a new pool in Roosevelt County, New Mexico, classified

ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON A NO. 10

660' FNL & 1980' FEL Sec. 34, T-17-S, R-29-E
EDDY COUNTY, NEW MEXICO

INJECTION WELL DIAGRAM



Case 4782

EXHIBIT _____

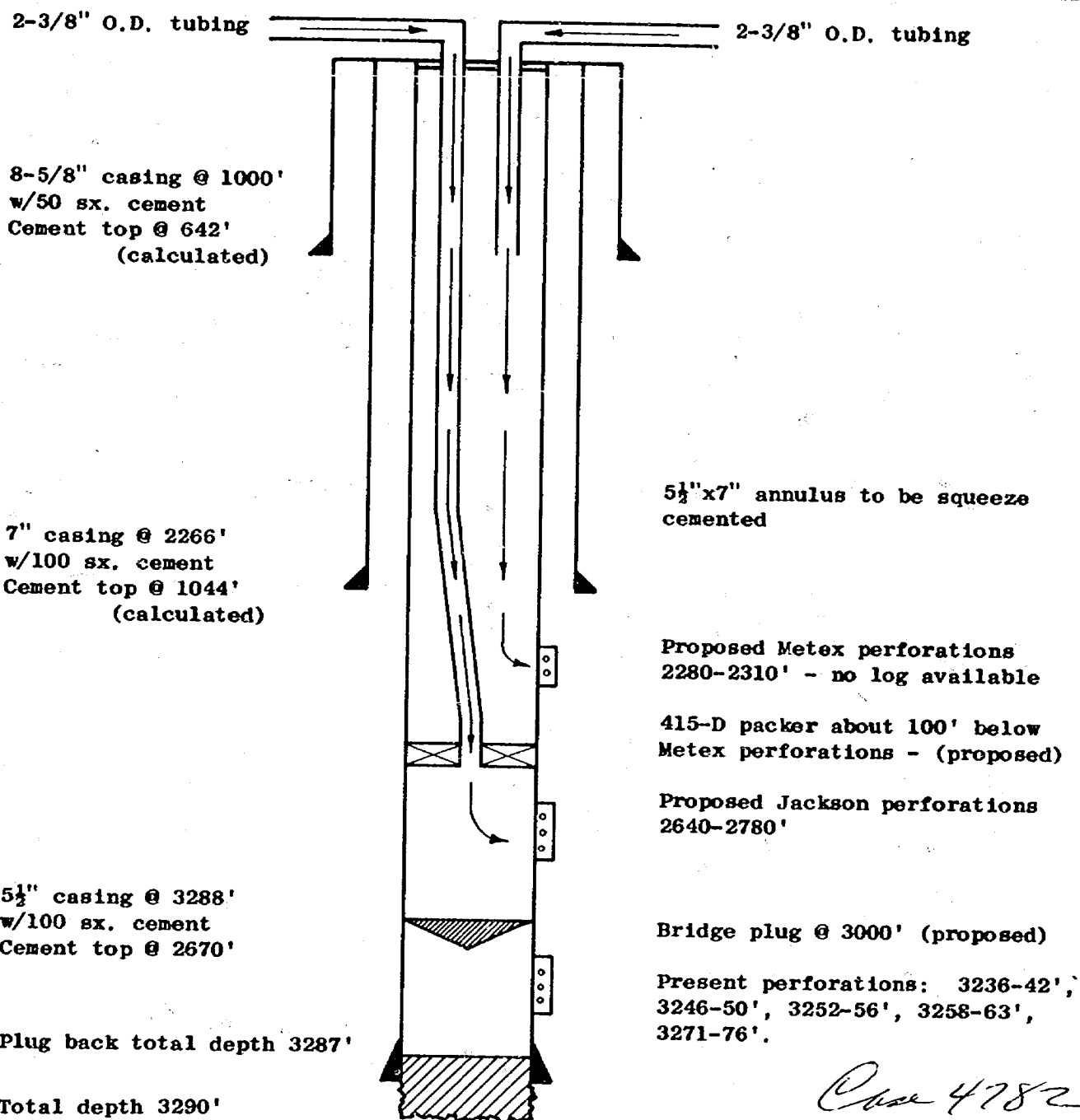
ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON B NO. 2

660' FNL & 1980' FEL Sec. 27, T-17-S, R-29-E

EDDY COUNTY, NEW MEXICO

INJECTION WELL DIAGRAM



EXHIBIT

ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON B NO. 5

660' FNL & 1980' FEL Sec. 35, T-17-S, R-29-E
EDDY COUNTY, NEW MEXICO

INJECTION WELL DIAGRAM

2-3/8" O.D. tubing

2-3/8" Tubing

8-5/8" casing @ 431'
w/50 sx cement.
Cement top @ 73'
(calculated)

7" casing @ 3008'
w/100 sx cement.
Cement top @ 1786'
(Calculated)

Total Depth 3162'

Perforations 2535-47', 2564-70'
to be squeezed

HSDL 7" dual packer @ 2580' (pro-
posed)

Metex perforations 2622-70'

Plug back total depth 2669'
C.I.B.P. @ 2678' to be drilled out
(proposed)

Baker 415-D packer @ 2700'
(proposed)

Case 4782

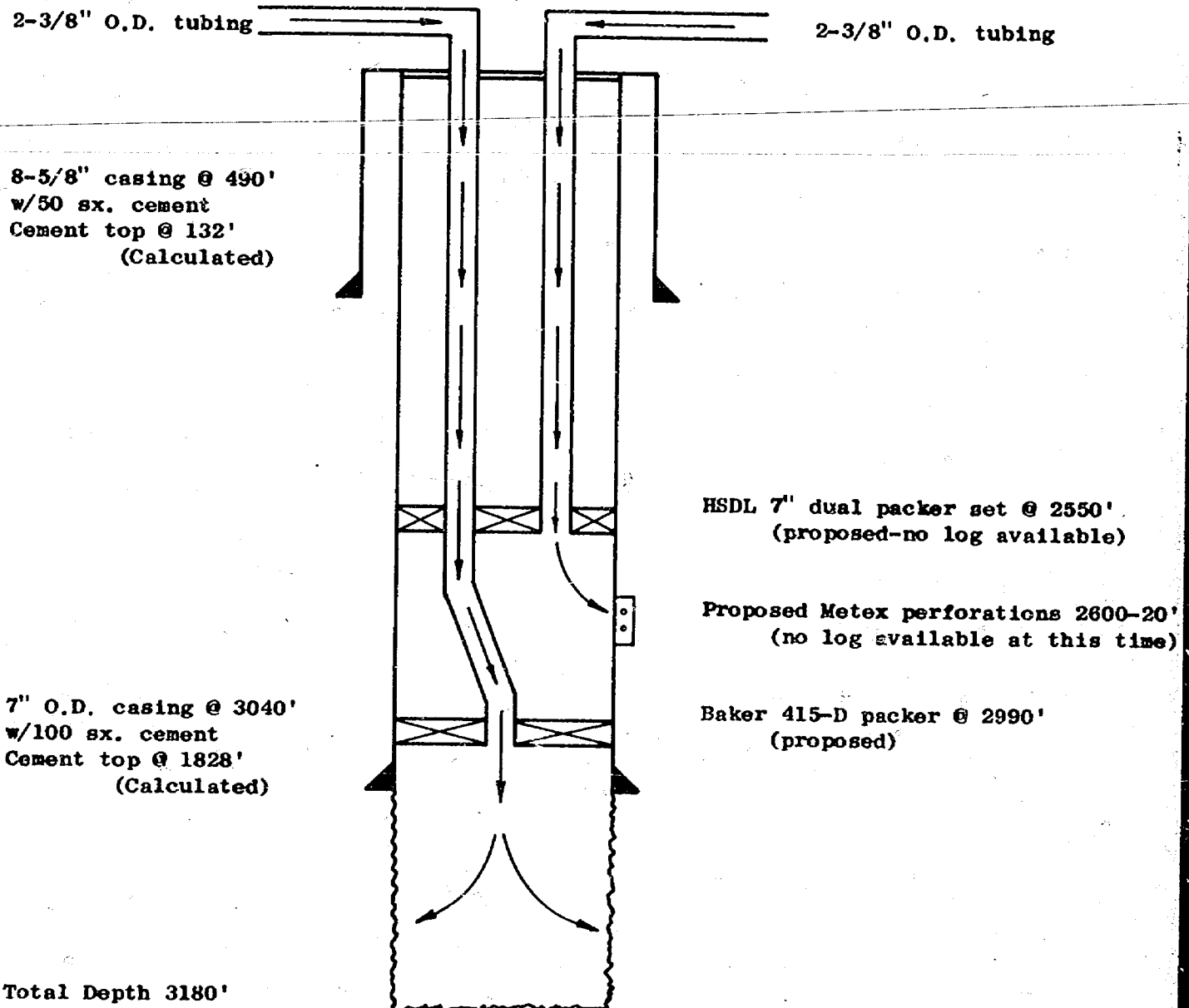
EXHIBIT

ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON B NO.7

1980' FNL & 1980' FWL Sec. 35, T-17-S, R-29-E
EDDY COUNTY, NEW MEXICO

INJECTION WELL DIAGRAM

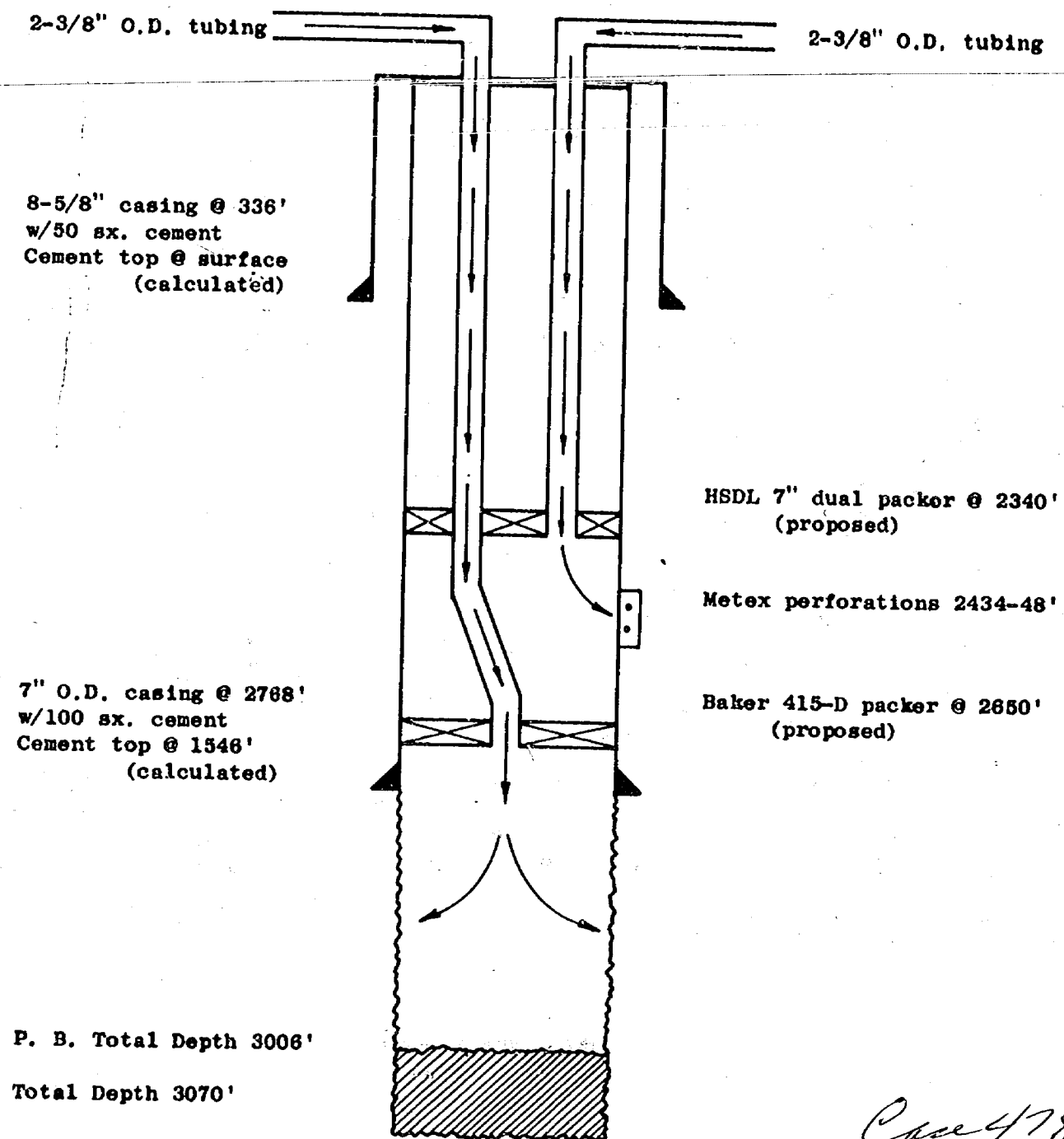


Case 4782

EXHIBIT _____

ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON B NO. 9
660' FSL & 1980' FWL Sec. 27, T-17-S, R-29-E
EDDY COUNTY, NEW MEXICO
INJECTION WELL DIAGRAM

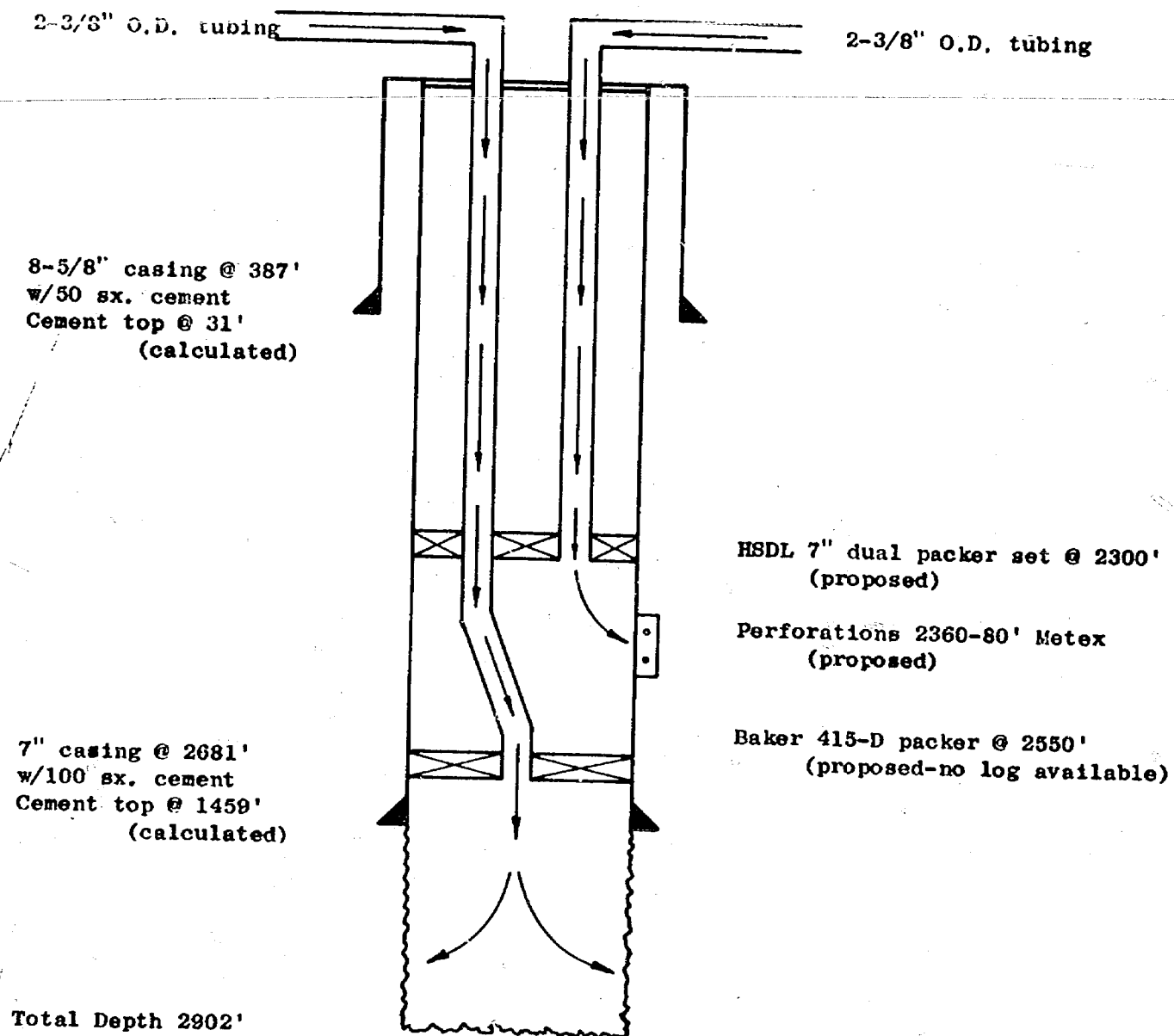


Case 4782

EXHIBIT

ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON B NO. 12
1980' FNL & 660' FEL Sec. 27, T-17-S, R-29-E
EDDY COUNTY, NEW MEXICO
INJECTION WELL DIAGRAM



Case 4782

EXHIBIT _____

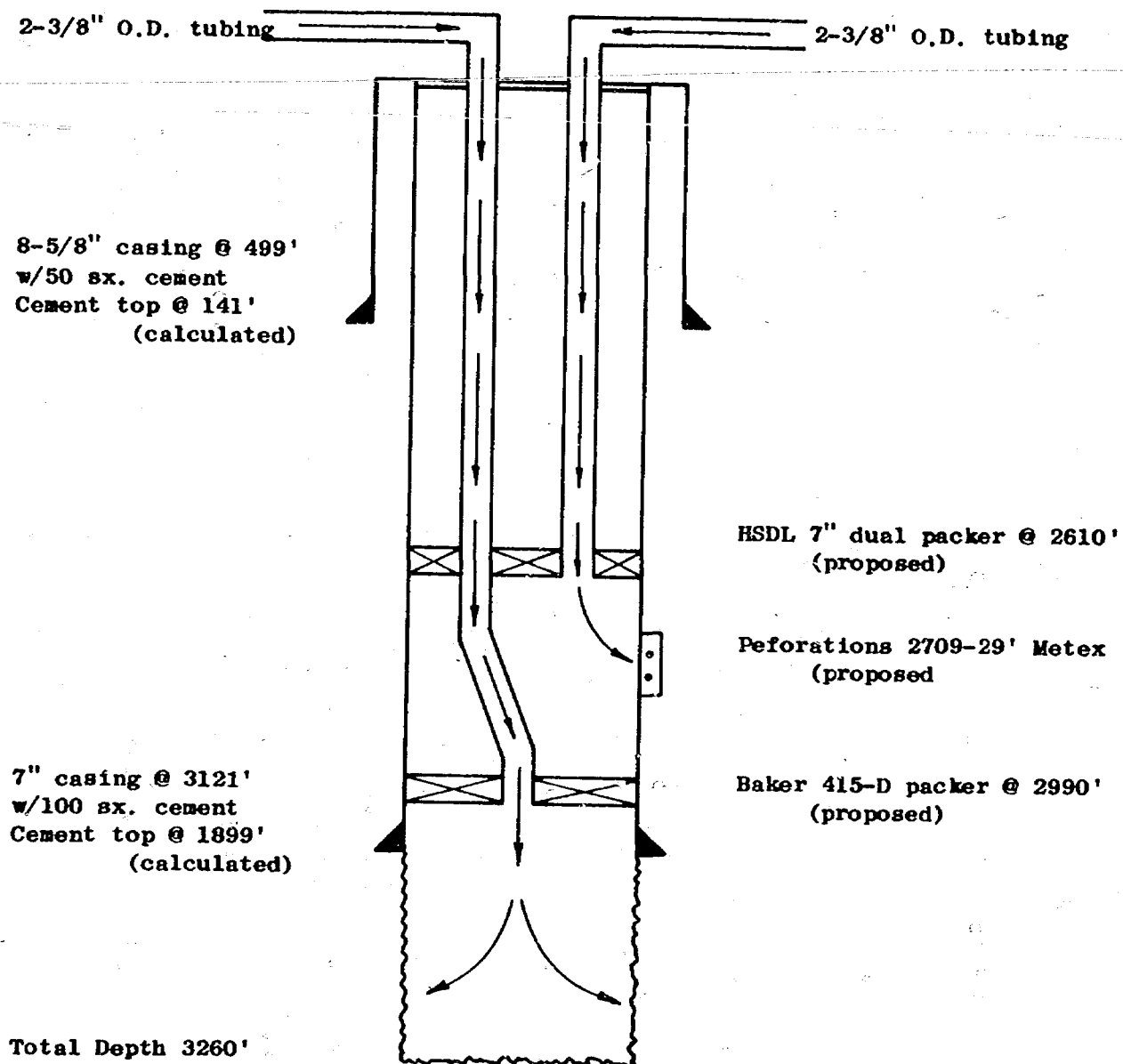
ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON B NO. 13

1980' FNL & 1320' FEL Sec. 35, T-17-S, R-29-E

EDDY COUNTY, NEW MEXICO

INJECTION WELL DIAGRAM

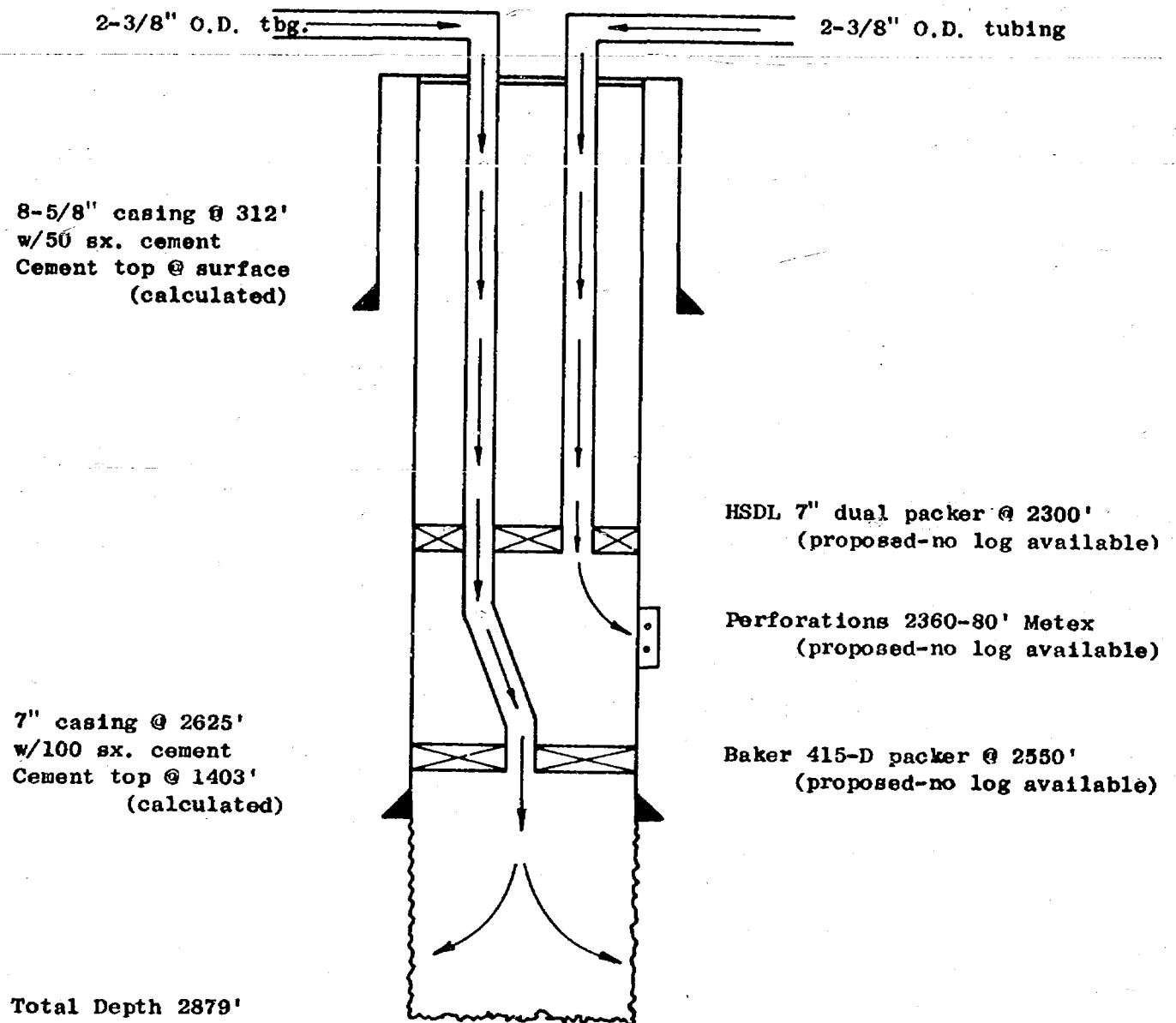


Case 4782

EXHIBIT

ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON B NO.14
1980' FNL & 1980' FWL Sec. 27, T-17-S, R-27-E
EDDY COUNTY, NEW MEXICO
INJECTION WELL DIAGRAM



Cue 4782

EXHIBIT _____

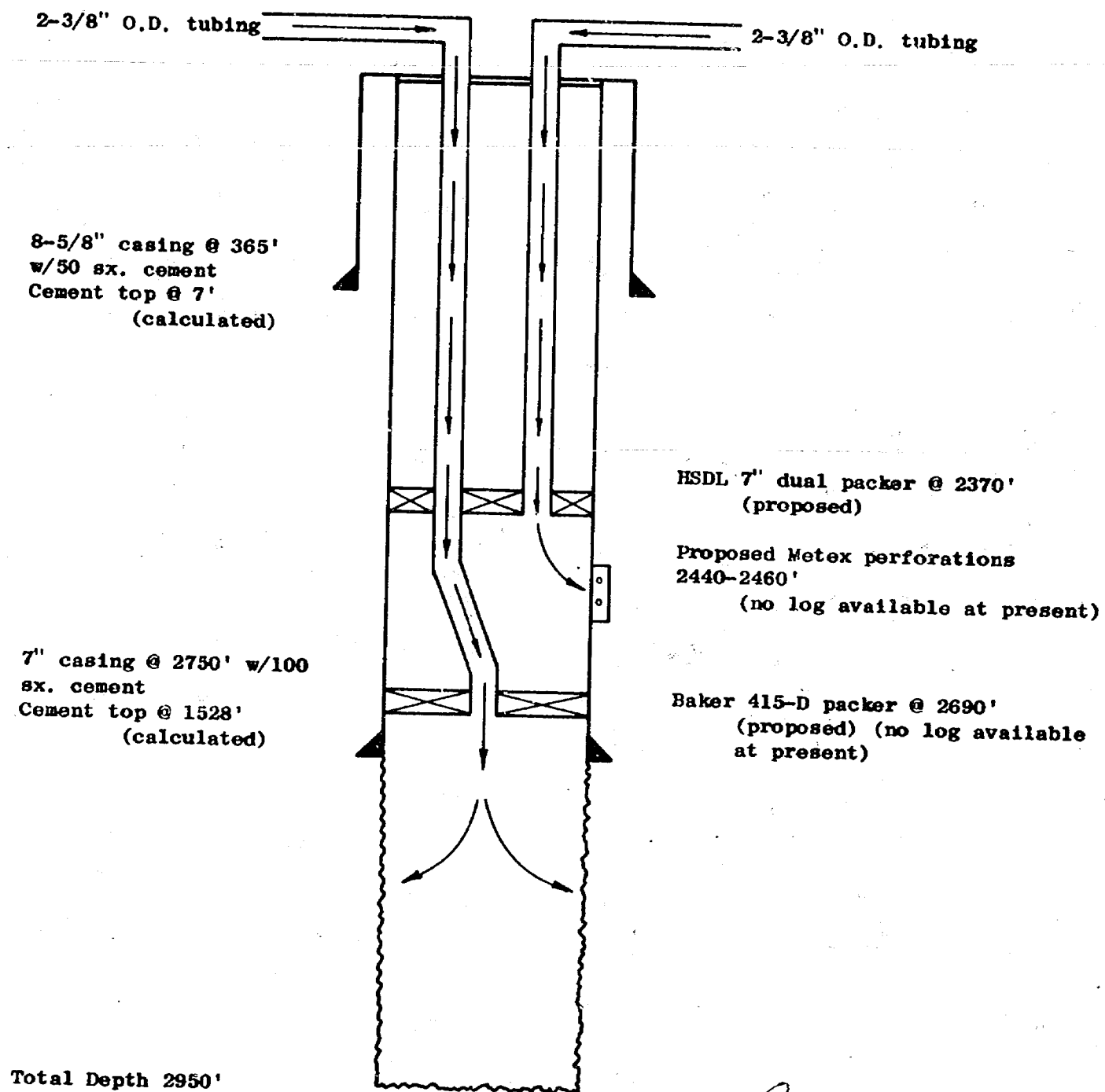
ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON A NO. 8

1980' FSL & 1980' FEL Sec. 27, T-17-S, R-29-E

EDDY COUNTY, NEW MEXICO

INJECTION WELL DIAGRAM



Case 4782

EXHIBIT _____

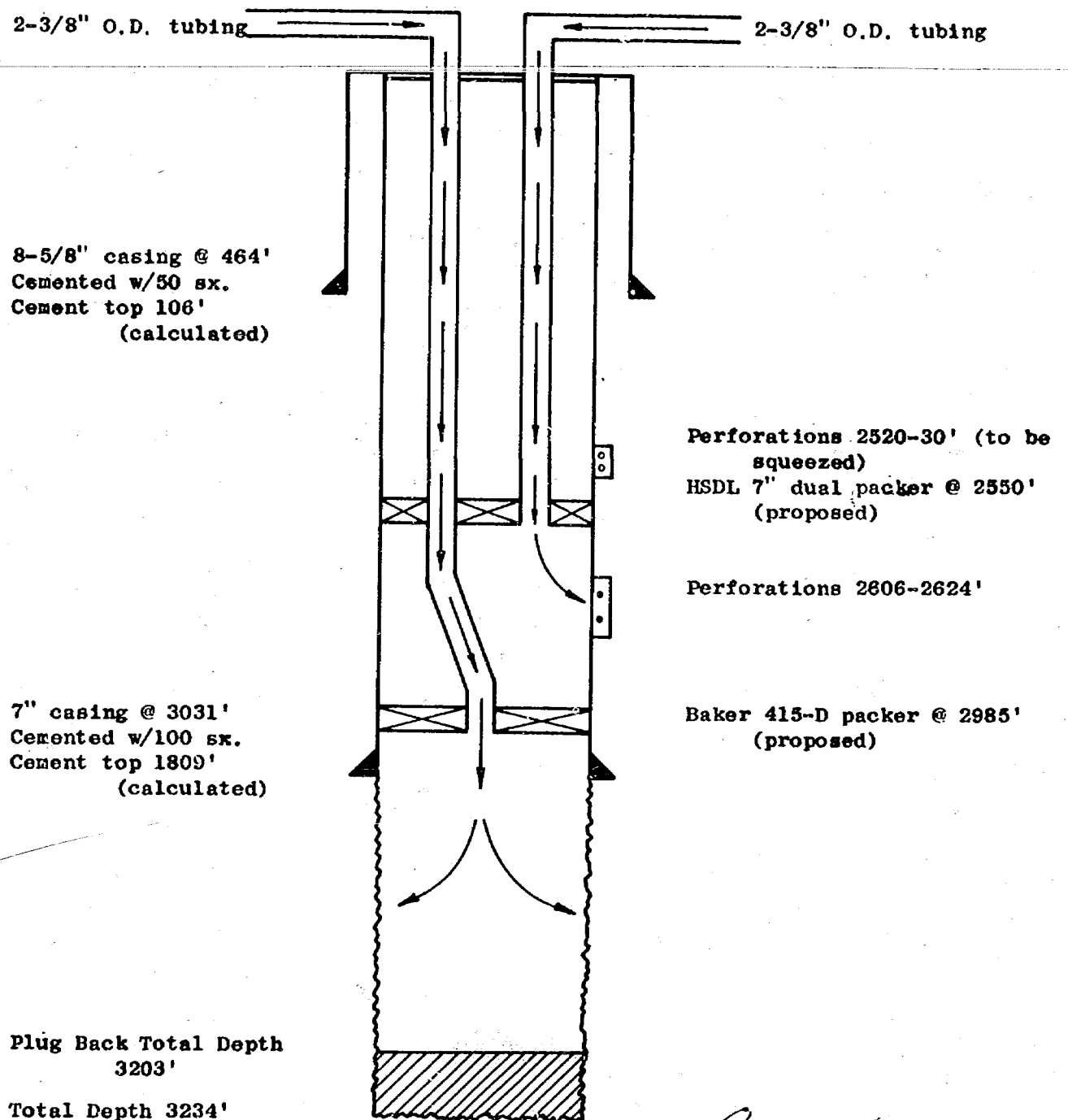
ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON A NO. 6

1980' FNL & 660' FEL Sec. 34, T-17-S, R-29-E

EDDY COUNTY, NEW MEXICO

INJECTION WELL DIAGRAM



Case 4782

EXHIBIT _____

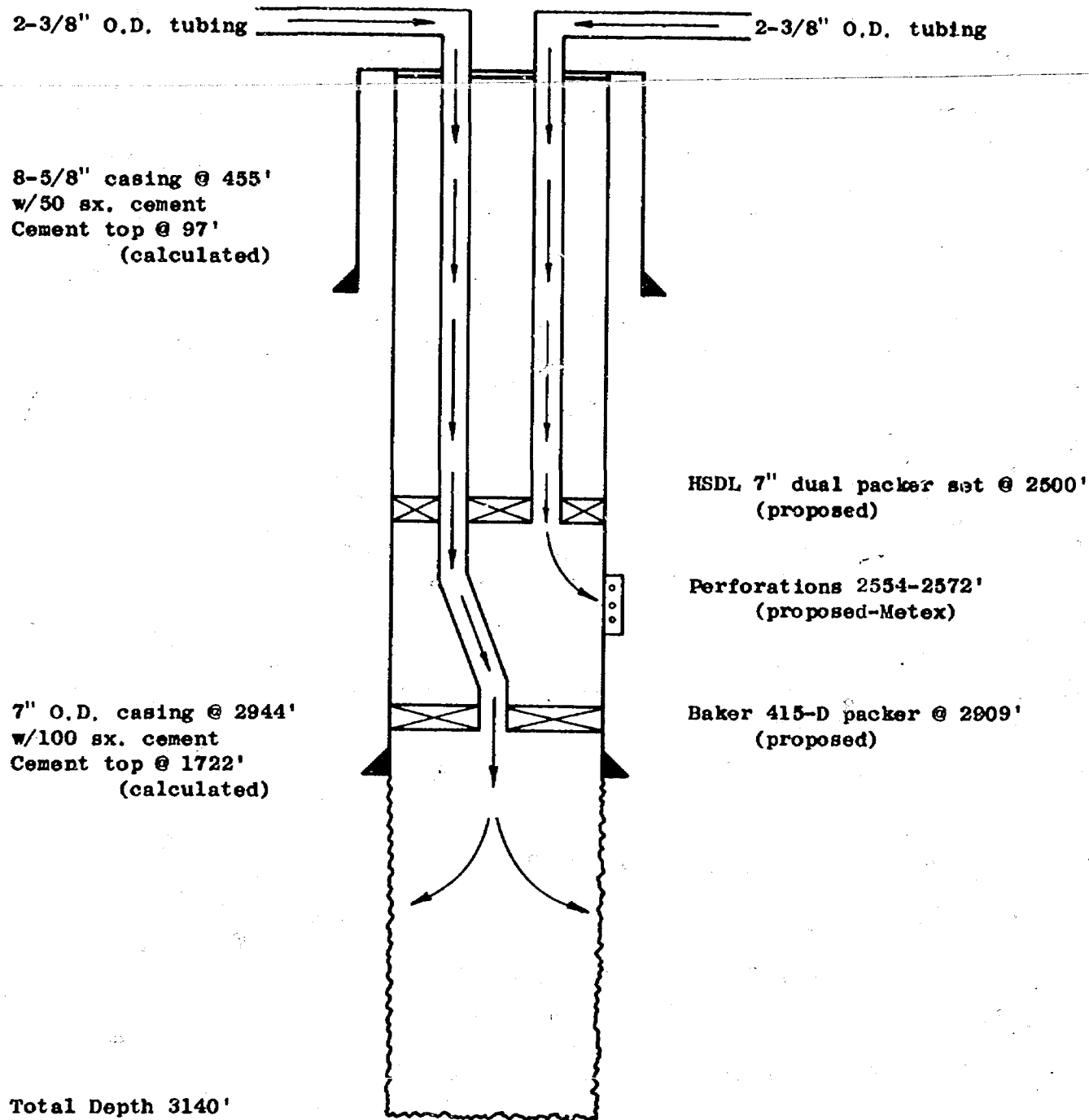
ATLANTIC RICHFIELD COMPANY

F.M. ROBINSON A NO.3

660' FNL & 660' FWL Sec. 35, T-17-S, R-29-E

EDDY COUNTY, NEW MEXICO

INJECTION WELL DIAGRAM



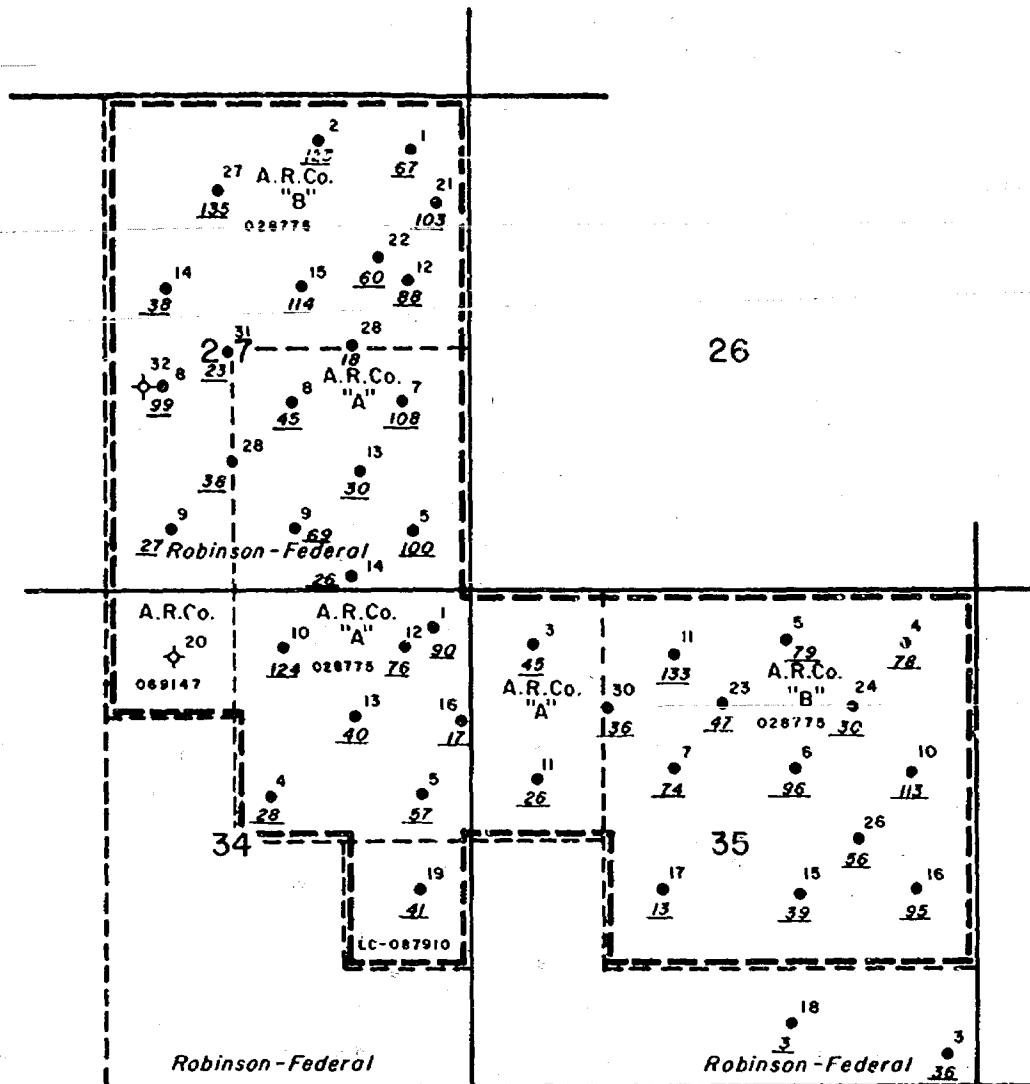
Total Depth 3140'

Case 4782 EXHIBIT

R - 29 - E

T
17
S

T
17
S



— LEGEND —

UNIT OUTLINE
28 - CUMULATIVE OIL PRODUCED, MBO AT 1-1-72

EXHIBIT

Atlantic Richfield Company
North American Producing Division
Permian District - Midland, Texas



ROBINSON-JACKSON UNIT
EDDY COUNTY, NEW MEXICO

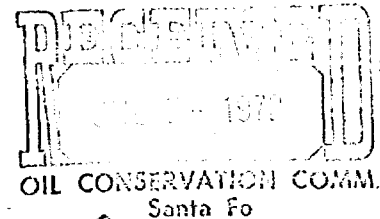
BY R.F. BAKER	REVIEWED BY L.C.G.	DATE 6-8-72
DATE 6-8-72	REVIEWED BY	DATE
BY WEST ENG.	BY	

Case 4782

Atlantic Richfield Company Legal Division
Post Office Box 1610
Midland, Texas 79701

June 30, 1972

Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico



Case 4782

Re: In the Matter of the Application of
Atlantic Richfield Company to Amend
Existing Orders Approving the Sinclair
Turner "A" Grayburg-Jackson Water
Flood Project and the Sinclair Turner
"B" Grayburg-Jackson Water Flood
Project, Eddy County, New Mexico

2 Application of Atlantic Richfield
Company for Approval of a Water Flood
Project for the Robinson-Jackson Unit
Area Comprising 1,160 Acres, more or
less, of Federal Lands in Township 17
South, Range 29 East, N.M.P.M. by the
Injection of Water into 13 Wells Com-
pleted in the Grayburg Jackson Pool

3 Application of Atlantic Richfield
Company for Approval of the Robinson-
Jackson Unit Agreement, Eddy County,
New Mexico

Gentlemen:

Enclosed in triplicate are the subject Applications
which we request be docketed and set for hearing
before an examiner on the same date for the con-
venience of our New Mexico counsel and witnesses.

Very truly yours,

Horace N. Burton
Horace N. Burton
Attorney

HNB:11

Encs.

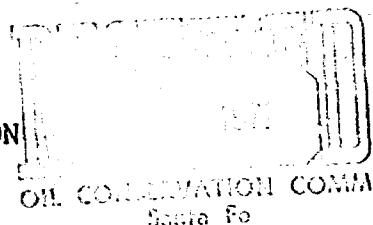
cc: Mr. Clarence E. Hinkle (encs.)

RECEIVED

Date *7-14-72*

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO



APPLICATION OF ATLANTIC RICHFIELD
COMPANY FOR APPROVAL OF A WATER FLOOD
PROJECT FOR THE ROBINSON-JACKSON UNIT
AREA COMPRISING 1,160 ACRES, MORE OR
LESS, OF FEDERAL LANDS IN TOWNSHIP 17
SOUTH, RANGE 29 EAST, N.M.P.M. BY THE
INJECTION OF WATER INTO 13 WELLS COM-
PLETED IN THE GRAYBURG JACKSON POOL

CASE NO. 4782

Oil Conservation Commission
Box 2088
Santa Fe, New Mexico 87501

Comes Atlantic Richfield Company, acting by and through the under-
signed attorneys, and hereby makes application for approval of a
water flood project for the Robinson-Jackson Unit Area comprising
1,160 acres, more or less, of federal lands in Township 17 South,
Range 29 East, N.M.P.M. by the injection of water into 13 wells
completed in the Grayburg Jackson Pool, Eddy County, New Mexico,
and in support thereof respectfully shows:

1. That applicant is the unit operator of the Robinson-
Jackson Unit Agreement which comprises 1,160 acres of federal lands
in Township 17 South, Range 29 East, N.M.P.M. Eddy County. Appli-
cant seeks approval of the Commission of said Unit Agreement by
separate application concurrently filed herewith.

2. That applicant seeks approval of a secondary recovery
project covering all of the lands within the Robinson-Jackson Unit
Area by the injection of water into 13 wells heretofore completed
in the Grayburg Jackson Pool, said wells, all located in Township
17 South, Range 29 East, being as follows:

1. Robinson A No. 3 located 660 feet from the north line and 660
feet from the west line of Section 35.
2. Robinson A No. 5 located 660 feet from the south line and 660
feet from the east line of Section 27.
3. Robinson A No. 6 located 1980 feet from the north line and 660
feet from the east line of Section 34.
4. Robinson A No. 8 located 1980 feet from the south line and 1980
feet from the east line of Section 27.
5. Robinson A No. 10 located 660 feet from the north line and 1980
feet from the east line of Section 34.
6. Robinson B No. 2 located 660 feet from the north line and 1980
feet from the east line of Section 27.
7. Robinson B No. 5 located 660 feet from the north line and 1980
feet from the east line of Section 35.
8. Robinson B No. 7 located 1980 feet from the north line and 1980
feet from the west line of Section 35.
9. Robinson B No. 9 located 660 feet from the south line and 1980
feet from the west line of Section 27.
10. Robinson B No. 10 located 1980 feet from the north line and 660
feet from the east line of Section 35.

11. Robinson B No. 12 located 1980 feet from the north line and 660 feet from the east line of Section 27.

12. Robinson B No. 13 located 1980 feet from the south line and 1980 feet from the east line of Section 35.

13. Robinson B No. 14 located 1980 feet from the north line and 1980 feet from the west line of Section 27.

3. That there is attached hereto a plat showing the location of the proposed injection wells and the location of all other wells within a radius of 2 miles from said proposed injection wells and the formation from which said wells are producing or have produced. The plat also indicates the lease owners within a radius of 2 miles.

4. That there is also filed herewith logs of 6 of the proposed injection wells. The logs of the other 7 wells are not filed due to the fact that the logs are not available as these wells have been completed for a considerable length of time.

5. There is also filed herewith a diagrammatic sketch of each of the proposed injection wells showing all casing strings, including diameters and setting depths, quantities used and tops of cement, perforated or open hole intervals, tubing strings, including diameters and setting depths, and packers which will be used.

6. That applicant seeks to have assigned to the Robinson-Jackson Unit Area the maximum project allowable in accordance with Rule 701 of the Commission.

7. Applicant believes that the proposed water flood project for the Robinson-Jackson Unit Area is in the interest of conservation and the prevention of waste and will promote the greatest ultimate recovery of oil and gas from the project area.

Applicant requests that this matter be set down for hearing at the examiner's hearing.

Respectfully submitted,

ATLANTIC RICHFIELD COMPANY *WPT*

Horace N. Burton

Horace N. Burton

P. O. Box 1610, Midland, Texas 79701

Clarence E. Hinkle

HINKLE, BONDURANT, COX & EATON

P. O. Box 10, Roswell, New Mexico 88201



Case 4782

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

NOV 7 - 1968

FILED	
NOV 11 1968	
RECEIVED	
DEPT. OF THE INTERIOR	
GEOL. SURV.	
REC'D	
CDG	
REP	

Sinclair Oil and Gas Company
P. O. Box 1470
Midland, Texas 79701

Gentlemen:

Your undated application filed on September 5, 1968, with the Regional Oil and Gas Supervisor, Roswell, New Mexico, requests the designation of the Robinson-Jackson unit area embracing 1,160 acres, more or less, of Federal land, Eddy County, New Mexico, as logically subject to operation under the unitization provisions of the Mineral Leasing Act, as amended.

Unitization is for the purpose of conducting secondary recovery operations by waterflooding and will be limited to the Grayburg formation and the upper portion of the San Andres formation, such stratigraphic interval being defined by Section 2(f) of the unit agreement. The proposed unit area has been developed by 42 wells that are now or have been completed in the formation to be unitized. Participation will be based 90 percent on ultimate primary production and 10 percent on surface acreage. You estimate that secondary recovery operations will result in the recovery of 2,709,582 barrels of additional oil.

The land outlined on your plat marked Exhibit A, Robinson-Jackson unit, Eddy County, New Mexico, is acceptable as a logical unit area for secondary operations. Your proposed form of unit agreement, which modifies the standard form to the extent necessary to cover conditions incidental to secondary recovery operations in a producing unit, will be acceptable if further modified in accordance with the marked form returned herewith.) The remaining marked copies of the proposed form of unit agreement are being retained for distribution to the appropriate offices of the Geological Survey.

(In the absence of any type of land requiring special provisions or any objections not now apparent, a duly executed agreement conformed to the marked copy and approved by the appropriate officials of the State of New Mexico will be approved if submitted in approvable status within a reasonable period of time.) However, the right is reserved to deny approval of any executed agreement that, in our opinion, does not have the full commitment of sufficient lands to afford effective control of secondary recovery operations.

Please include the latest status of all acreage when the executed agreement is submitted for final approval. The format of the sample exhibits attached to the 1961 reprint of the standard form should be followed closely in the preparation of Exhibits A and B.

Sincerely yours,

Arthur A. Baker

Acting Director



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

June 7, 1972

CC: J. Walker

LCH

ADK.

Proposed Robinson-Jackson Unit

Case 4782

MP

Atlantic Richfield Company
P.O. Box 1610
Midland, Texas 79701

Attention: Mr. W. P. Tomlinson

Gentlemen:

Your letter of May 30 states that you are now actively working toward unitization of the proposed Robinson-Jackson unit, Eddy County, New Mexico, and inquires if the designation of such proposed unit area is still in effect.

Our records show that the Acting Director's letter of November 7, 1968, to Sinclair Oil and Gas Company designated the Robinson-Jackson unit area as logically subject to operation under the unitization provisions of the Mineral Leasing Act as amended. Inasmuch as Sinclair was merged into Atlantic in 1969, this office will consider an application for approval of the Robinson-Jackson unit agreement if submitted by Atlantic in accordance with the Acting Director's letter of November 7, 1968. All references to "Sinclair Oil and Gas Company" in the unit agreement should of course be replaced by "Atlantic Richfield Company." In addition, the format of the sample exhibits attached to the 1968 reprint of the Form of Unit Agreement for Unproved Areas should be followed closely in the preparation of exhibits A, B, and C.


Sincerely yours,

N. O. Frederick
N. O. FREDERICK
Regional Oil and Gas Supervisor

DRAFT

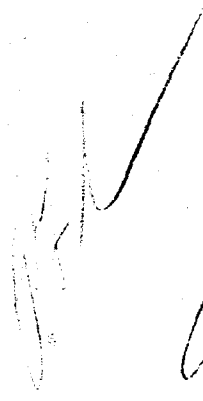

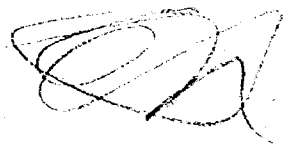
GMH/dr 

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

 IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 4782

Order No. R-4380

 APPLICATION OF ATLANTIC RICHFIELD
COMPANY FOR A WATERFLOOD PROJECT,
EDDY COUNTY, NEW MEXICO.  

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 26, 1972,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter and was.
Continued to September 13, 1972.

NOW, on this _____ day of August, 1972, the Commission,
a quorum being present, having considered the record and the recom-
mendations of the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be
granted.

IT IS THEREFORE ORDERED:

That Case No. 4782 is hereby dismissed.

DONE at Santa Fe, New Mexico, on the day and year hereinabove
designated.

CASE 4783: Application of TEXAS
PACIFIC FOR 3 NON-STANDARD UNITS
& REDEDICATION OF ACREAGE.