

CASE 3617:

SOUTHEASTERN NEW MEXICO  
NOMENCLATURE

Case Number

3617

Application  
Transcripts.

Small Exhibits

ETC.

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

CASE No. 3617  
Order No. R-3280-A

IN THE MATTER OF THE APPLICATION OF THE  
OIL CONSERVATION COMMISSION UPON ITS OWN  
MOTION FOR AN ORDER CREATING, ABOLISHING,  
AND EXTENDING VERTICAL AND HORIZONTAL  
LIMITS OF CERTAIN POOLS IN CHAVES, EDDY,  
AND LEA COUNTIES, NEW MEXICO.

NUNC PRO TUNC ORDER

BY THE COMMISSION:

It appearing to the Commission that due to clerical error and inadvertence, Order No. R-3280, dated July 24, 1967, does not correctly state the intended order of the Commission,

IT IS THEREFORE ORDERED:

(1) That Finding No. 10 on Page 3 of Order No. R-3280, dated July 24, 1967, is hereby corrected to read as follows:

(10) That there is need for certain extensions to the Cato-San Andres Pool, the Twin Lakes-San Andres Pool, and the Acme-San Andres Pool, all in Chaves County, New Mexico, the North Bagley-Lower Pennsylvanian Pool, the Northeast Bagley-Wolfcamp Pool, the South Corbin-Morrow Gas Pool, the Justis-Blinbry Pool, the Justis Tubb-Drinkard Pool, the Lazy J-Pennsylvanian Pool, the Pearl-Seven Rivers Pool, the North Vacuum-Abo Pool, and the Vacuum-Wolfcamp Pool, all in Lea County, New Mexico. Further, that the proposed extension to the North Bagley-Middle Pennsylvanian Pool in Lea County, New Mexico, should be dismissed pending further study.

(2) That Ordering Paragraph (j) on Page 5 of said Order No. 3280 is hereby corrected to read as follows:

(j) That the Acme-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 27 EAST, NMPM  
Section 4: N/2 SW/4

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(3) That the corrections set forth above be entered nunc pro tunc as of July 24, 1967.

DONE at Santa Fe, New Mexico, on this 1st day of August, 1967.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



*David F. Cargo*

DAVID F. CARGO, Chairman

*Gustav S. Hays*

GUSTAV S. HAYS, Member

*A. L. Porter, Jr.*

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

esr/

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE No. 3617  
Order No. R-3280

THE APPLICATION OF THE OIL CONSERVATION  
COMMISSION UPON ITS OWN MOTION FOR AN ORDER  
CREATING, ABOLISHING, AND EXTENDING VERTICAL  
AND HORIZONTAL LIMITS OF CERTAIN POOLS IN  
CHAVES, EDDY, AND LEA COUNTIES, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on July 19, 1967, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 24th day of July, 1967, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Delaware Sand formation, said pool to bear the designation of East Paduca-Delaware Pool. Further, that the discovery well for said pool, the Joseph I. O'Neill, Jr., Federal "O" Well No. 1 located in Unit P of Section 14, Township 25 South, Range 32 East, NMPM, is entitled to and should receive a bonus discovery oil allowable in the amount of 24,255 barrels to be assigned over a two-year period. The top of the perforations in said well is 4851 feet.

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Order No. R-3280

(3) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Queen formation, said pool to bear the designation of Quail-Queen Pool. Further, that the discovery well for said pool, Atlantic Richfield Company's State "BG" No. 1, located in Unit H of Section 14, Township 19 South, Range 34 East, NMPM, is entitled to and should receive a bonus discovery oil allowable in the amount of 25,630 barrels to be assigned over a two-year period. The top of the perforations in said well is 5126 feet.

(4) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Strawn formation, said pool to bear the designation of Golden Lane-Strawn Gas Pool. Said Golden Lane-Strawn Gas Pool was discovered by Pennzoil Company, Hudson Federal No. 1, located in Unit C of Section 4, Township 21 South, Range 29 East, NMPM. It was completed in Strawn on November 8, 1966. The top of perforations is 11,098 feet.

(5) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Blinebry formation, said pool to bear the designation of Teague-Blinebry Pool. Said Teague-Blinebry Pool was discovered by Bronco Oil Corporation, E. C. Hill No. 2, located in Unit J of Section 27, Township 23 South, Range 37 East, NMPM. It was completed in Blinebry on May 30, 1967. The top of perforations is 5377 feet.

(6) That there is need for the consolidation of the West Bagley-Pennsylvanian Pool and the North Bagley-Lower Pennsylvanian Pool, Lea County, New Mexico, inasmuch as the pools produce from a common source of supply. Said consolidation is to be accomplished by abolishing the West Bagley-Pennsylvanian Pool and extending the North Bagley-Lower Pennsylvanian Pool.

(7) That the Empire-Queen Pool in Eddy County, New Mexico, should be abolished, and the wells in said pool should be included in the Red Lake Grayburg-San Andres Pool, as extended.

(8) That the Red Lake-Queen Gas Pool in Eddy County, New Mexico, should be abolished, and the well in said pool should be included in the Red Lake Grayburg-San Andres Pool, as extended.

(9) That the vertical limits of the Red Lake Grayburg-San Andres Pool in Eddy County, New Mexico, should be extended to

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Order No. R-3280

include the Queen formation and said pool should be redesignated Red Lake Queen-Grayburg-San Andres Pool.

(10) That there is need for certain extensions to the Cato-San Andres Pool and the Twin Lakes-San Andres Pool, both in Chaves County, New Mexico, the Acme-San Andres Pool in Eddy County, New Mexico, the North Bagley-Lower Pennsylvanian Pool, the Northeast Bagley-Wolfcamp Pool, the South Corbin-Morrow Gas Pool, the Justis-Blinebry Pool, the Justis Tubb-Drinkard Pool, the Lazy J-Pennsylvanian Pool, the Pearl-Seven Rivers Pool, the North Vacuum-Abo Pool, and the Vacuum-Wolfcamp Pool, all in Lea County, New Mexico. Further, that the proposed extension to the North Bagley-Middle Pennsylvanian Pool in Lea County, New Mexico, should be dismissed pending further study.

IT IS THEREFORE ORDERED:

(a) That a new pool in Lea County, New Mexico, classified as an oil pool for Delaware Sand production, is hereby created and designated as the East Paduca-Delaware Pool, consisting of the following-described area:

TOWNSHIP 25 SOUTH, RANGE 32 EAST, NMPM  
Section 14: SE/4 SE/4

That the discovery well for said pool, the Joseph I. O'Neill, Jr., Federal "O" Well No. 1, located in Unit P of Section 14, Township 25 South, Range 32 East, NMPM, is hereby authorized an oil discovery allowable of 24,255 barrels to be assigned to said well at the rate of 34 barrels per day in accordance with Rule 509 of the Commission Rules and Regulations.

(b) That a new pool in Lea County, New Mexico, classified as an oil pool for Queen production, is hereby created and designated as the Quail-Queen Pool, consisting of the following-described area:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
Section 13: W/2  
Section 14: E/2

That the discovery well for said pool, the Atlantic Richfield Company State "BG" Well No. 1, located in Unit H of Section 14, Township 19 South, Range 34 East, NMPM, is hereby authorized an oil discovery allowable of 25,630 barrels to be

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assigned at the rate of 36 barrels per day in accordance with Rule 509 of the Commission Rules and Regulations.

(c) That a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production, is hereby created and designated as the Golden Lane-Strawn Gas Pool, consisting of the following-described area:

TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM  
Section 4: Lots 1 through 8

(d) That a new pool in Lea County, New Mexico, classified as an oil pool for Blinebry production, is hereby created and designated as the Teague-Blinebry Pool, consisting of the following-described area:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM  
Section 16: S/2  
Section 21: E/2  
Section 27: S/2  
Section 28: E/2

(e) That the West Bagley-Pennsylvanian Pool in Lea County, New Mexico, consisting of the following-described area:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
Section 29: NE/4

is hereby abolished.

(f) That the North Bagley-Lower Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
Section 29: NE/4

(g) That the Empire-Queen Pool in Eddy County, New Mexico, consisting of the following-described area:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM  
Section 36: SW/4 SW/4

is hereby abolished.



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(h) That the Red Lake-Queen Gas Pool in Eddy County, New Mexico, consisting of the following-described area:

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM

Section 26: E/2 SW/4 and W/2 SE/4

is hereby abolished.

(i) That the vertical limits of the Red Lake Grayburg-San Andres Pool in Eddy County, New Mexico, are hereby extended to include the Queen formation and that said pool is redesignated the Red Lake Queen-Grayburg-San Andres Pool.

(j) That the Acme-San Andres Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 27 EAST, NMPM

Section 4: N/2 SW/4

(k) That the proposed extension to the North Bagley-Middle Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 16: NW/4

Section 17: SW/4

Section 18: S/2

is hereby dismissed.

(l) That the Northeast Bagley-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

Section 2: SW/4

(m) That the Cato-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPM

Section 2: SE/4

Section 8: NE/4

Section 15: SE/4

Section 22: NE/4

Section 23: NE/4 and SW/4

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(n) That the South Corbin-Morrow Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM  
Section 27: NE/4

(o) That the Justis-Blinbry Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
Section 12: SW/4

(p) That the Justis Tubb-Drinkard Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
Section 12: SW/4

(q) That the Lazy J-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM  
Section 1: W/2

(r) That the Pearl-Seven Rivers Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
Section 35: NE/4

(s) That the Twin Lakes-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM  
Section 36: S/2 SW/4

(t) That the North Vacuum-Abo Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby

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extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
Section 24: NW/4

(u) That the Vacuum-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

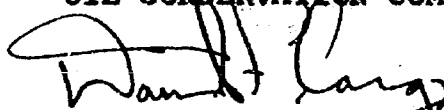
TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
Section 24: NW/4

IT IS FURTHER ORDERED:

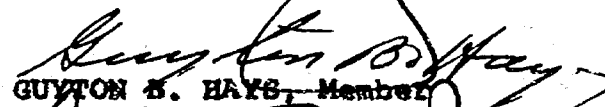
That the effective date of this order and all creations, abolishments, and extensions of vertical and horizontal limits included herein shall be August 1, 1967.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



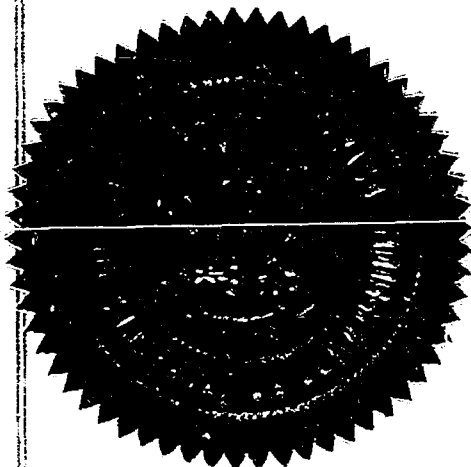
DAVID F. CARGO, Chairman



GUYTON B. HAYS, Member



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



esr/

CASE 3617: (a) CREATION OF A NEW OIL POOL

COUNTY LEA

POOL DUNCAN-DELAWARE

TOWNSHIP 25 South		RANGE 32 East		NMPM	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

JOSEPH L. O'NEILL, JR. - Federal "O" #1 in Unit P of Section 14-25-32.

Completed in Delaware on June 11, 1967. Top of Perforations ~~4852'~~ 4851'

Proposed pool boundary colored in red. SECTION 14: SE/4 SE/4

*Southeast N Mex Nomenclature*

*Exhibit No. 1 pp 2-4*

CASE 3617: (b) CREATION OF A NEW OIL POOL

COUNTY LEA POOL QUAIL-QUEEN

TOWNSHIP 19 South						RANGE 34 East						NMPM					
6	5	4	3	2	1												
7	8	9	10	11	12												
18	17	16	15	14	13												
19	20	21	22	23	24												
30	29	28	27	26	25												
31	32	33	34	35	36												

PURPOSE: One completed oil well capable of producing.

ATLANTIC RICHFIELD COMPANY - State BG #1 in Unit H of Section 14-19-34.

Completed in Queen on May 13, 1967. Top of Perforations 5126'.

Proposed pool boundary colored in red. SECTION 13: W/2

SECTION 14: E/2

CASE 3617: (c) CREATION OF A NEW GAS POOL

COUNTY	Eddy		POOL	Golden Lane-Strawn Gas		
TOWNSHIP	21S		RANGE	29E	NMFM	
6	5		4	3	2	1
7	8		9	10	11	12
18	17		16	15	14	13
19	20		21	22	23	24
30	29		28	27	26	25
31	32		33	34	35	36

Purpose: One completed gas well capable of producing.

Pennzoil Co., Hudson Federal well #1 in unit C of Section 4-21-29. Completed in Strawn November 8, 1966, through perforations 11098' to 11102'.

Proposed pool boundary colored in green.

Section 4: lots 1 through 8

CASE 3617: (d) CREATION OF A NEW OIL POOL

COUNTY LEA

POOL TEAGUE-BLINEBRY

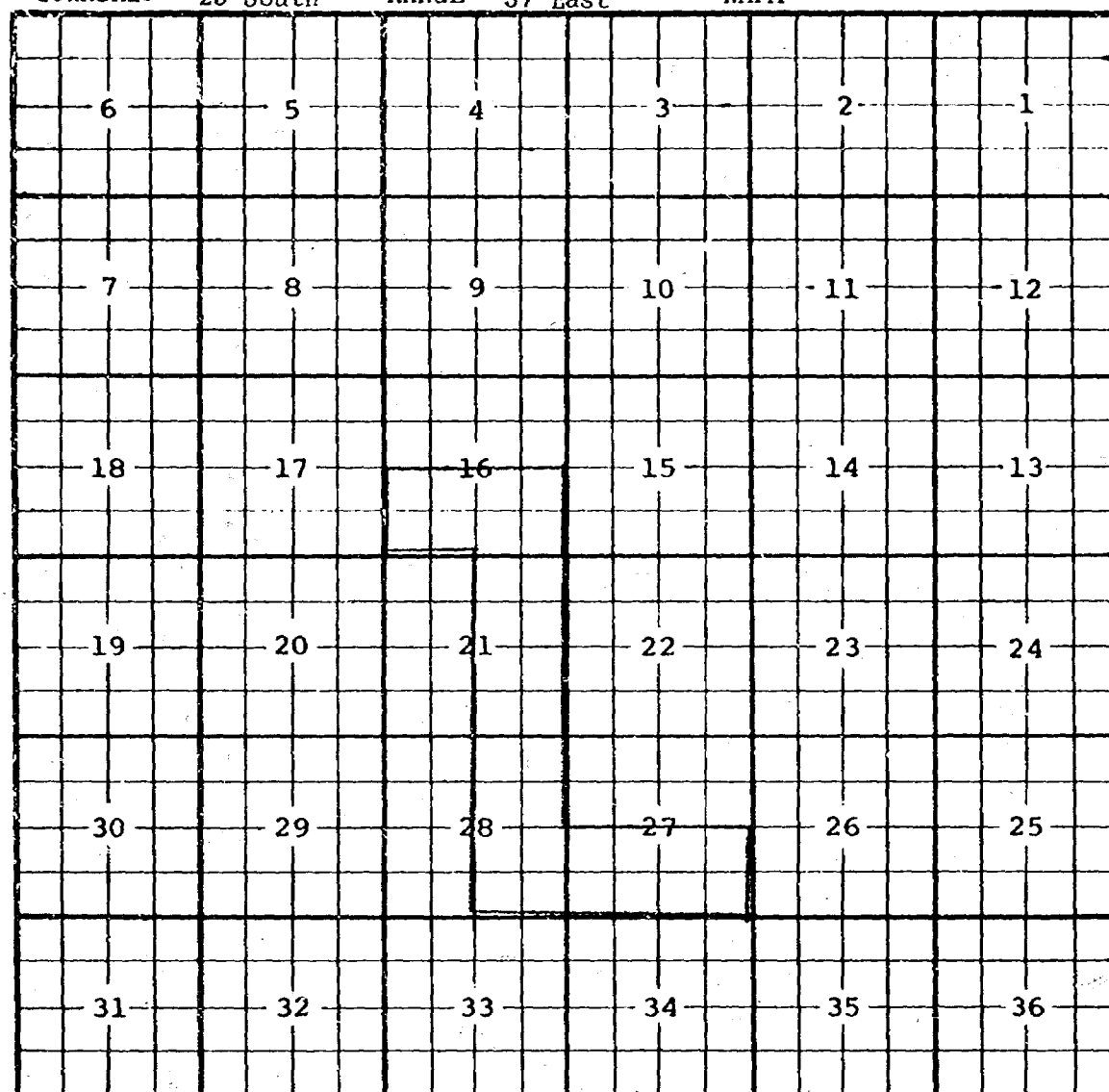
TOWNSHIP

23 South

RANGE

37 East

NMPM



PURPOSE: Four completed oil wells capable of producing.

DISCOVERY WELL--BRONCO OIL CORPORATION - E. C. Hill #2 in Unit J of Section 27-23-37. Completed in Blinebry on May 30, 1967. Top of Perforations 5377'.

TEXACO, INC. - New Mexico "BZ" State NCT-8 #15 in Unit J of Section 16-23-37. Completed in Blinebry on March 1, 1967. Top of Perforations 5407'.

BRONCO OIL CORPORATION - Saltmount #1 in Unit P of Section 21-23-37. Completed in Blinebry on May 15, 1967. Top of Perforations 5354'.

BRONCO OIL CORPORATION - E. C. Hill #3 in Unit O of Section 27-23-37. Completed in Blinebry on June 15, 1967. Top of Perforations 5328'.

ADDITION--TEXACO, INC. - New Mexico DC State #1 in Unit K of Section 16-23-37. Completed in Blinebry on July 1, 1967. Top of Perforations 5404'.

Proposed pool boundary colored in red. SECTION 16: SE/4

SECTION 21: E/2

SECTION 27: S/2

SECTION 28: E/2

ADDITION--SECTION 16: SW/4

CASE 3617: (e) ABOLISHMENT OF AN EXISTING OIL POOL

COUNTY LEA

POOL WEST BAGLEY-PENNSYLVANIAN

TOWNSHIP

11 South

RANGE

33 East

NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: To consolidate two pools producing from the same pay zone.

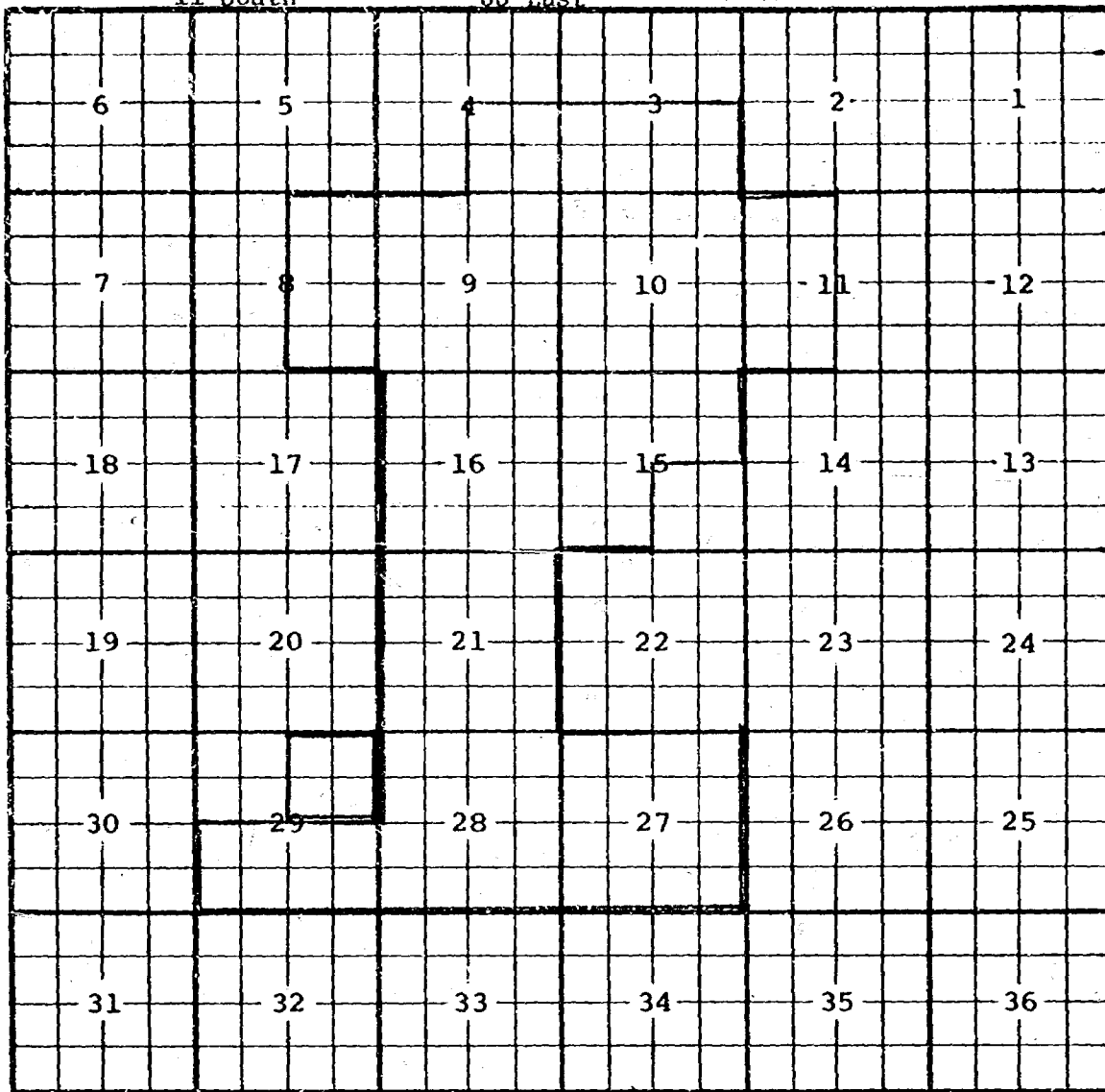
Proposed pool abolishment colored in blue. SECTION 29: NE/4



CASE 3617: (f) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTH BAGLEY-LOWER PENNSYLVANIAN

TOWNSHIP 11 South RANGE 33 East NMFM



PURPOSE: To take in abolished acreage from the West Bagley-Pennsylvanian Pool.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 29: NE/4

CASE 3617: (g) ABOLISHMENT OF AN EXISTING OIL POOL

COUNTY Eddy POOL Empire Queen

TOWNSHIP	17S	RANGE	27E	NMPM	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Purpose: To abolish the Empire-Queen Pool. The wells in this pool are to be taken into the Red Lake Pool by an extension of its vertical limits.

Pool to be abolished outlined in blue.

Section 36: SW/4 SW/4

CASE 3617: (h) ABOLISHMENT OF AN EXISTING GAS POOL  
COUNTY Eddy POOL Red Lake-Queen Gas

TOWNSHIP	17S	RANGE	27E	NMPM	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Purpose: To abolish the Red Lake-Queen Gas Pool. The well in this pool is to be taken into the Red Lake Pool by an extension of its vertical limits.

Pool to be abolished outlined in blue.

Section 26: E/2 SW/4 &  
W/2 SE/4

CASE 3617: (i) EXTENSION OF Red Lake (Grayburg-San Andres) change to  
 VERTICAL LIMITS OF AN EXISTING OIL POOL Red Lake (Queen-Grayburg-San Andres)  
 COUNTY Eddy POOL

TOWNSHIP	17S	RANGE	27E	NMPM	(Continued on next page)	
6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

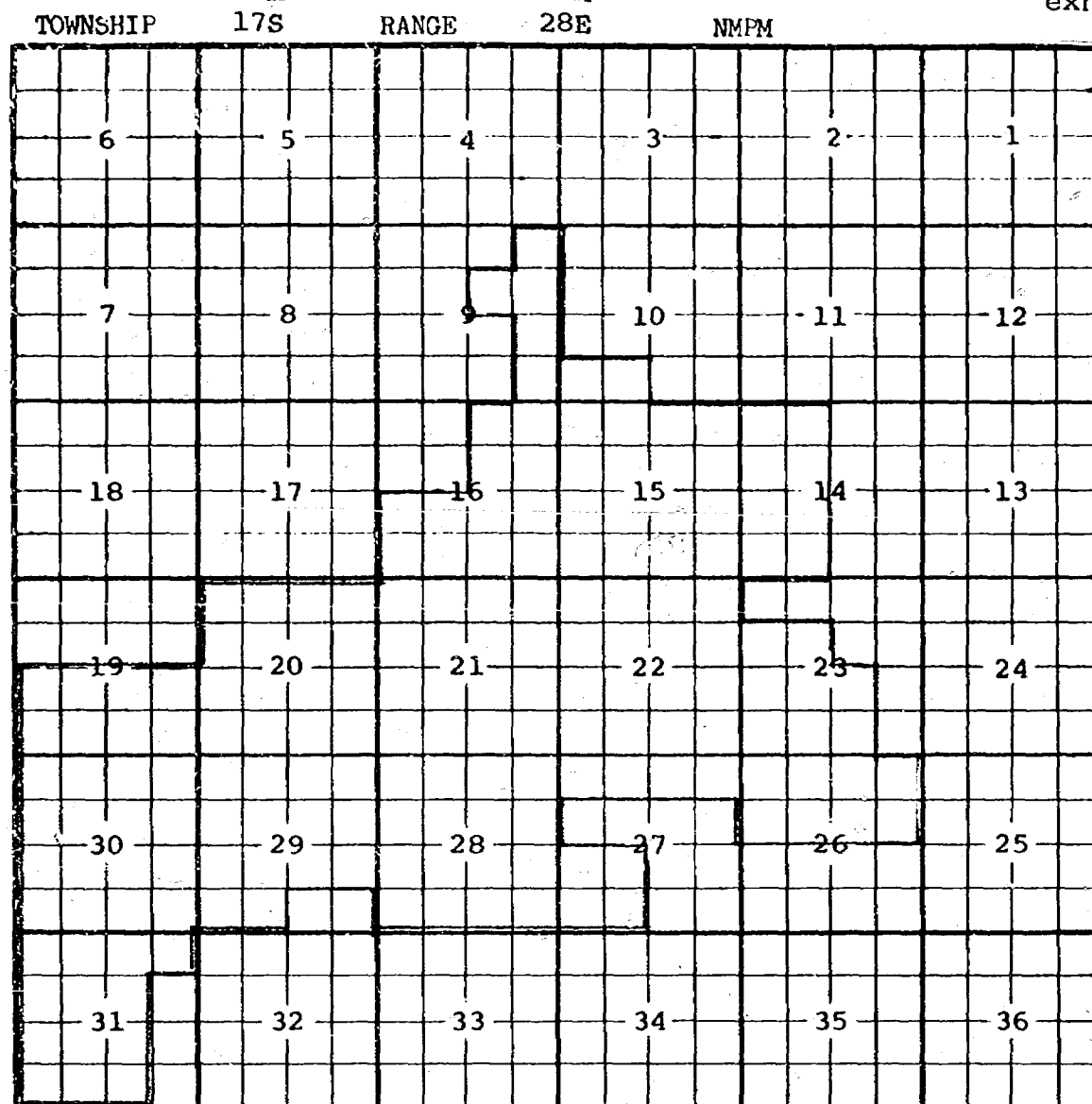
Purpose: To extend the vertical limits of the Red Lake (G-SA) Pool to include the Queen Formation. Based on 8 producing wells completed in or partially in the Queen formation within the present horizontal limits of the Red Lake Pool. The wells were formerly in the Red Lake-Queen Gas Pool, Empire-Queen Pool, Undesignated or exempt areas, R-2507 & R-2602.

J. E. Bedingfield, State well #6 in unit M of Section 36-17-27. Completed in Queen June 15, 1963, through perforations 1282' to 1327'.

A. O. Wooden, Harbold well #16 in unit N of Section 26-17-27. Completed in Queen & Grayburg January 15, 1963, through perforations 1104' to 1598'.

Pool boundary colored in red.

CASE 3617: (i) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL (Continued on next page)  
COUNTY Eddy POOL Red Lake as revised on page one of this  
exhibit.



Purpose: As stated on page one of this exhibit.

R. D. Collier, Atlantic State well #1 in unit O of Section 16-17-28. Completed in Queen-Grayburg July 20, 1966, through perforations 1464' to 1992'.

Ernest A. Hanson & Harold Kersey, H&K Federal well #1 in unit E of Section 14-17-28. Completed in Queen-Grayburg January 15, 1963, through perforations 1674' to 2034'.

Kincaid & Watson Drilg. Co., Aztec Federal well #4 in unit A of Section 15-17-28. Completed in Queen April 1, 1967, through perforations 1570' to 1584'.

N. Gordon Phillips, Keyes State well #2 in unit H of Section 9-17-28. Completed in Queen-Grayburg September, 1938, in open hole from 1223' to 1734'.

N. Gordon Phillips, Keyes State well #3 in unit G of Section 9-17-28. Completed in Queen-Grayburg-San Andres August, 1938, in open hole from 1141' to 2340'.

Yates Petroleum Corp., Spurck F State well #3 in unit E of Section 15-17-28. Completed in Queen-Grayburg May 24, 1959, through perforations 1454' to 1926'.

Pool boundary colored in red.

CASE 3617: (i) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL (Continued on next page)

COUNTY Eddy POOL Red Lake as revised on page one of this  
exhibit.

TOWNSHIP 18S RANGE 26E NMPM

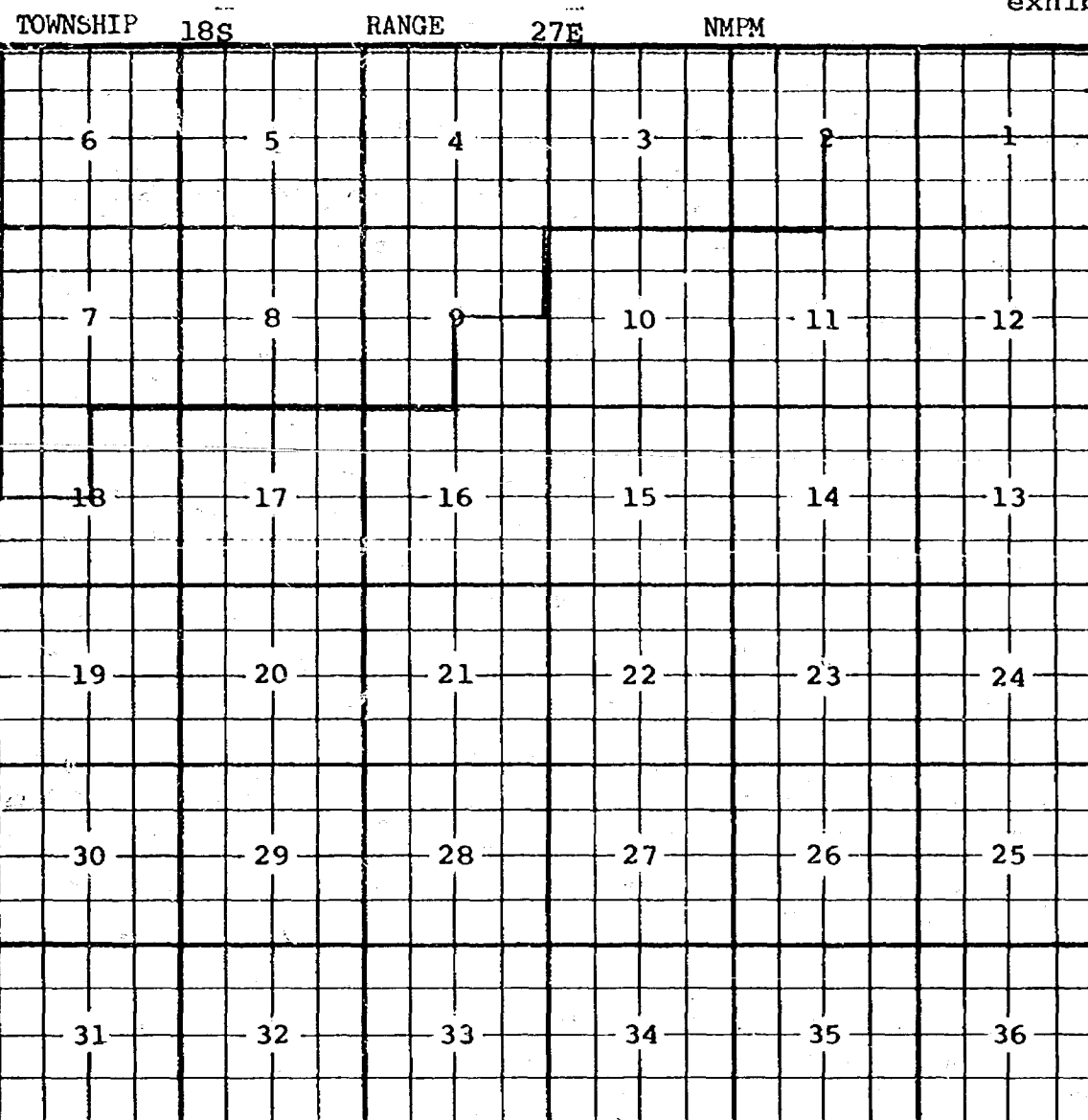
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Purpose: As stated on page one of this exhibit.

Pool boundary colored in red.

CASE 3617: (i) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL (Continued)

COUNTY Eddy POOL Red Lake as revised on page one of this exhibit.



Purpose: As stated on page one of this exhibit.

Pool boundary colored in red.

CASE 3617: (j) EXTENSION OF AN EXISTING OIL POOL

COUNTY	Eddy	POOL	Acme (San Andres)
TOWNSHIP	8S	RANGE	27E NMPM
6	5	4	3 2 1
7	8	9	10 11 12
18	17	16	15 14 13
19	20	21	22 23 24
30	29	28	27 26 25
31	32	33	34 35 36

Purpose: Two completed oil wells capable of producing.

Dr. Sam G. Dunn, Avalanche Journal State, well #4 in unit K of Section 4-8-27. Completed in San Andres April 8, 1967, through perforations 1934 to 1953.

Dr. Sam G. Dunn, Avalanche Journal State, well #6 in unit L of Section 4-8-27. Completed in San Andres April 6, 1967, through perforations 1919 to 1940.

Pool boundary colored in red.

Proposed extension colored in green.

Section 4: N/2 SW/4



CASE 3617: (k) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTH BAGLEY-MIDDLE PENNSYLVANIAN

TO BE  
DISMISSED

TOWNSHIP 11 South RANGE 33 East NMPM

A 6x6 grid with numbers 1 through 36. The numbers are arranged in rows from top to bottom: Row 1: 6, 5, 4, 3, 2, 1; Row 2: 7, 8, 9, 10, 11, 12; Row 3: 18, 17, 16, 15, 14, 13; Row 4: 19, 20, 21, 22, 23, 24; Row 5: 30, 29, 28, 27, 26, 25; Row 6: 31, 32, 33, 34, 35, 36. A path of 18 squares is highlighted with thick black lines, starting at square 10 and ending at square 18. The path consists of the following squares: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27.

PURPOSE: Two completed oil wells capable of producing.

PAN AMERICAN PETROLEUM CORPORATION - State DG #1 in Unit F of Section 16-11-33. Completed in Middle Pennsylvanian on May 8, 1967. Top of Perforations 9752'.

STOLTZ & COMPANY - CLARK - Huber Collier #1 in Unit K of Section 18-11-33.  
Completed in Lower Pennsylvanian on May 10, 1967. Top of Perforations  
10,052'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 16: NW/4

SECTION 17: SW/4

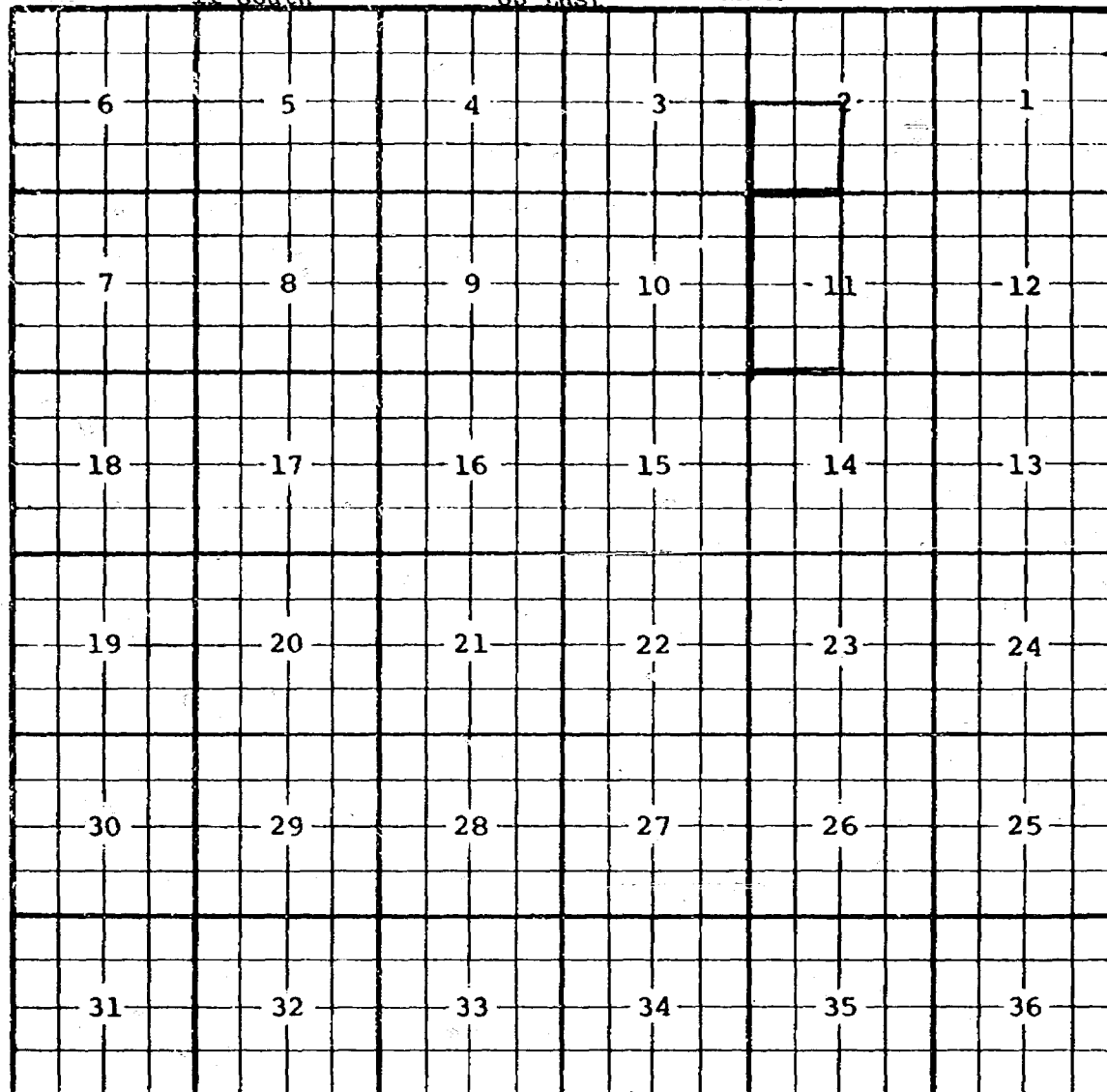
SECTION 18: S/2

TO BE DISMISSED PENDING FURTHER STUDY

CASE 3617: (1) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTHEAST BAGLEY-WOLFECAMP

TOWNSHIP 11 South RANGE 33 East NMPM



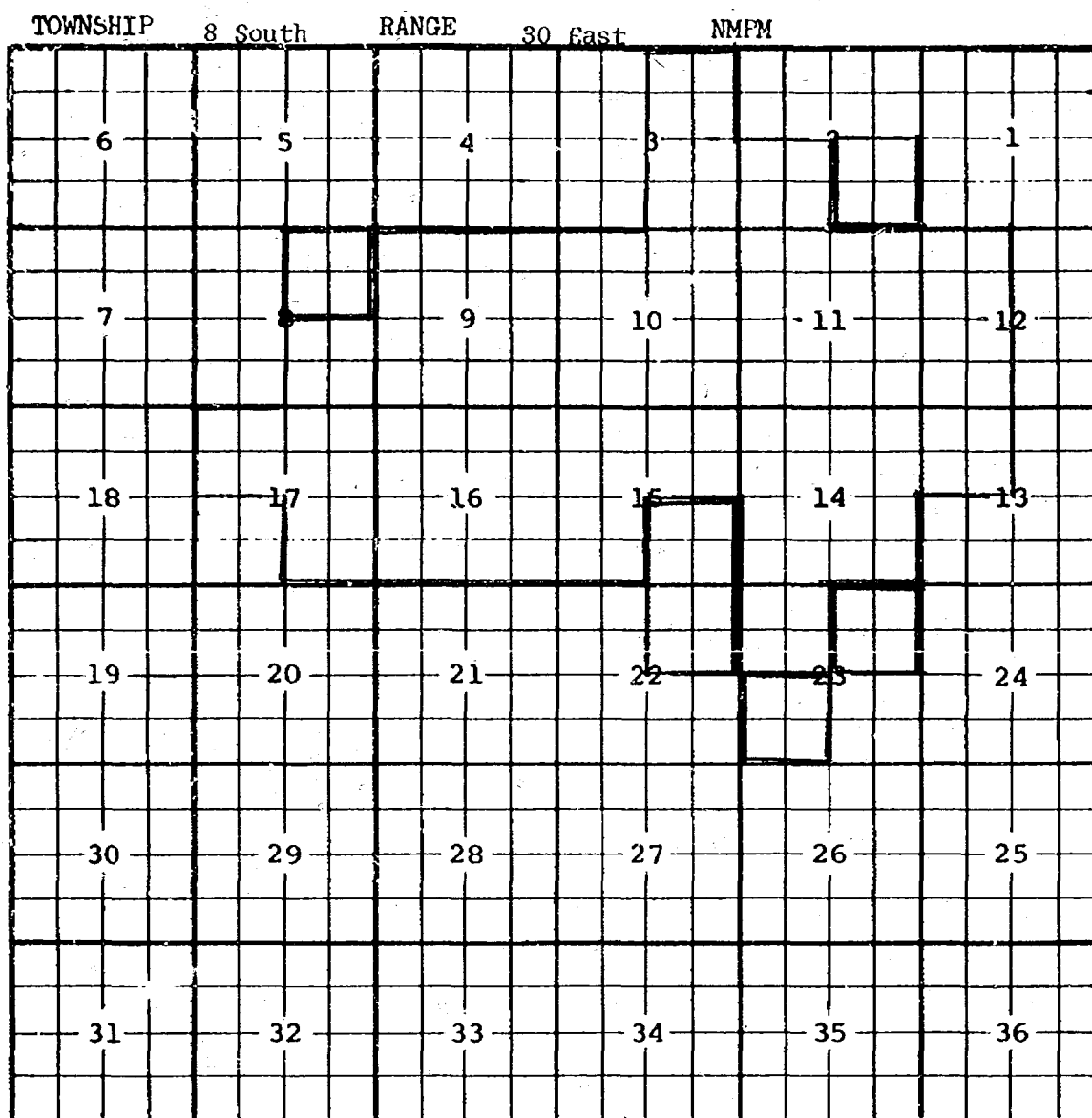
PURPOSE: One completed oil well capable of producing.

NATURAL GAS & OIL CORPORATION - New Mexico State #1 in Unit N of Section 2-11-33. Completed in Wolfcamp on Dec 19, 1967. Top of Perforations 8872'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 2: SW/4

CASE 3617: (m) EXTENSION OF AN EXISTING OIL POOL  
 COUNTY CHAVES POOL CATO-SAN ANDRES



PURPOSE: Ten completed oil wells capable of producing. (Wells listed on attached sheet.)

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 2: SE/4

SECTION 15: SE/4

SECTION 22: NE/4

SECTION 23: NE/4

ADDITIONS-----SECTION 8: NE/4

SECTION 23: SW/4

COUNTY	CHAVES	POOL	CATO-SAN ANDRES
TOWNSHIP	8 South	RANGE	30 East NMPM

MWJ PRODUCING COMPANY - Cato State #3 in Unit O of Section 2-8-30. Completed in San Andres on May 4, 1967. Top of Perforations 3412'.

SINCLAIR OIL & GAS COMPANY - L. C. Harris #1 in Unit I of Section 15-8-30. Completed in San Andres on May 16, 1967. Top of Perforations 3479'.

SINCLAIR OIL & GAS COMPANY - L. C. Harris #3 in Unit P of Section 15-8-30. Completed in San Andres on June 5, 1967. Top of Perforations 3472'.

SINCLAIR OIL & GAS COMPANY - L. C. Harris #4 in Unit J of Section 15-8-30. Completed in San Andres on June 12, 1967. Top of Perforations 3418'.

SINCLAIR OIL & GAS COMPANY - L. C. Harris #8 in Unit O of Section 15-8-30. Completed in San Andres on July 12, 1967. Top of Perforations 3465'.

SINCLAIR OIL & GAS COMPANY - L. C. Harris #2 in Unit A of Section 22-8-30. Completed in San Andres on May 23, 1967. Top of Perforations 3496'.

SINCLAIR OIL & GAS COMPANY - L. C. Harris #5 in Unit H of Section 22-8-30. Completed in San Andres on June 19, 1967. Top of Perforations 3484'.

SINCLAIR OIL & GAS COMPANY - L. C. Harris #6 in Unit B of Section 22-8-30. Completed in San Andres on June 26, 1967. Top of Perforations 3459'.

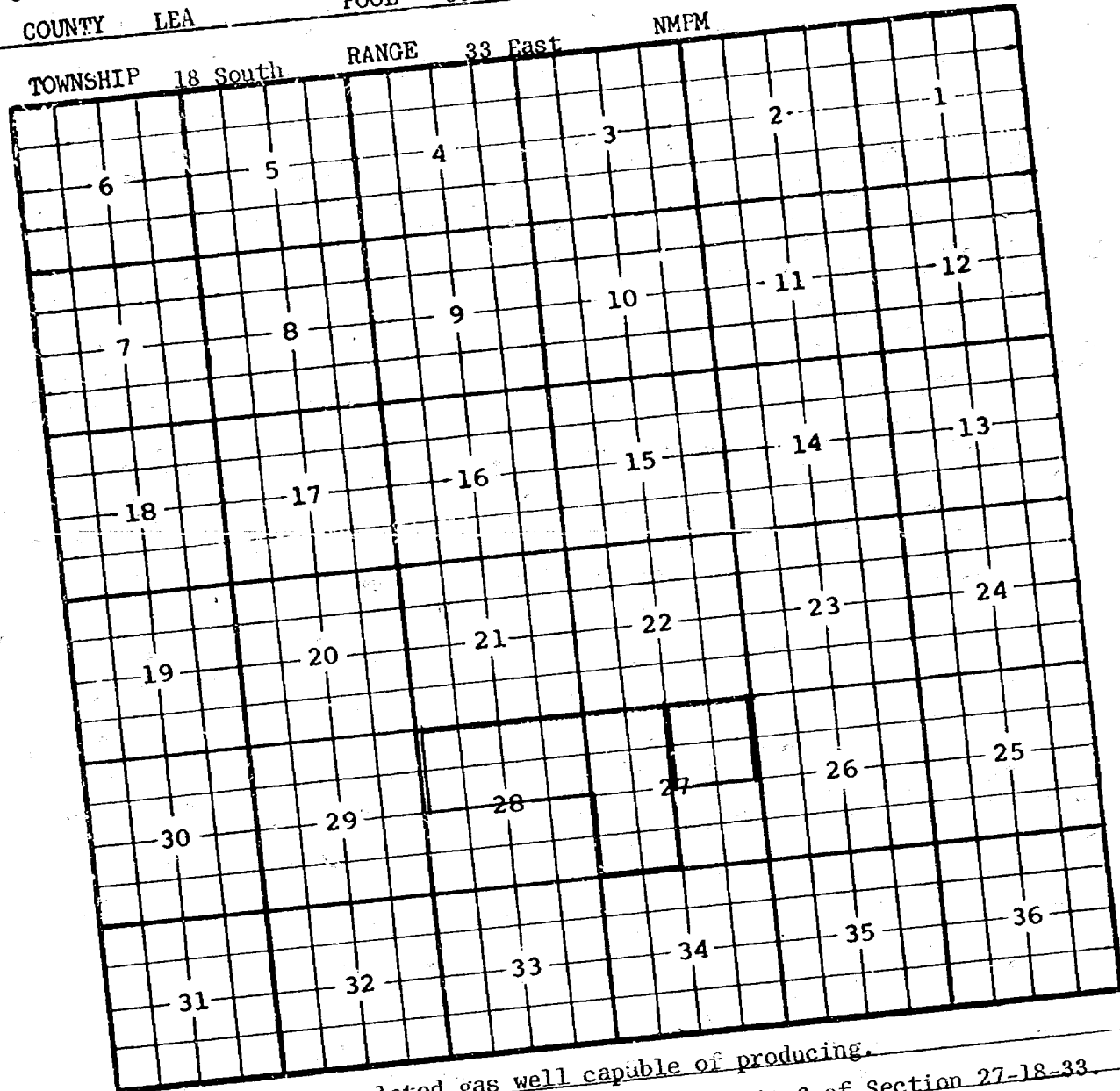
SINCLAIR OIL & GAS COMPANY - L. C. Harris #7 in Unit G of Section 22-8-30. Completed in San Andres on July 4, 1967. Top of Perforations 3477'.

PAN AMERICAN PETROLEUM CORPORATION - Cato "D" Federal #1 in Unit B of Section 23-8-30. Completed in San Andres on May 1, 1967. Top of Perforations 3568'.

ADDITION--UNION TEXAS PETROLEUM CORPORATION - Baxter Federal #4 in Unit H of Section 8-8-30. Completed in San Andres on June 10, 1967. Top of Perforations 3230'.

ADDITION--SHELL OIL COMPANY - Hodges Federal #1 in Unit L of Section 23-8-30. Completed in San Andres on June 5, 1967. Top of Perforations 3538'.

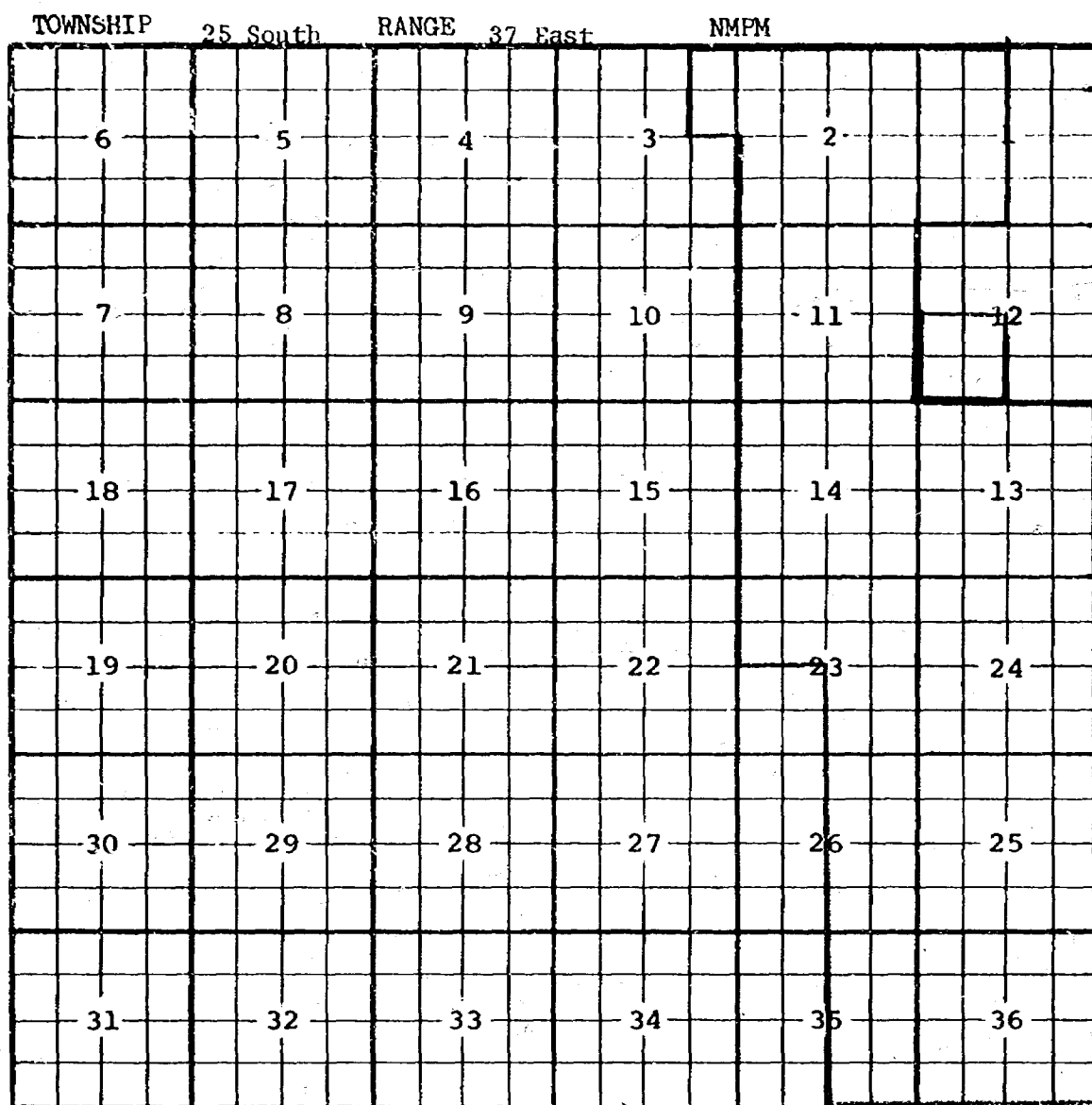
CASE 3617: (n) EXTENSION OF AN EXISTING GAS POOL  
COUNTY LEA POOL SOUTH CORBIN-MORROW GAS



PURPOSE: One completed gas well capable of producing.  
AZTEC OIL & GAS COMPANY - Federal MA #1 in Unit G of Section 27-18-33.  
Completed in Morrow on April 27, 1967. Top of Perforations 13,198'.  
Pool boundary colored in red.  
Proposed pool extension colored in green. SECTION 27: NE/4

CASE 3617: (o) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL JUSTIS-BLINEBRY



PURPOSE: One completed oil well capable of producing.

TEXAS PACIFIC OIL COMPANY - Eaton S.W. #8 in Unit M of Section 12-25-37.  
Completed in Blinebry on April 28, 1967. Top of Perforations 5341'.

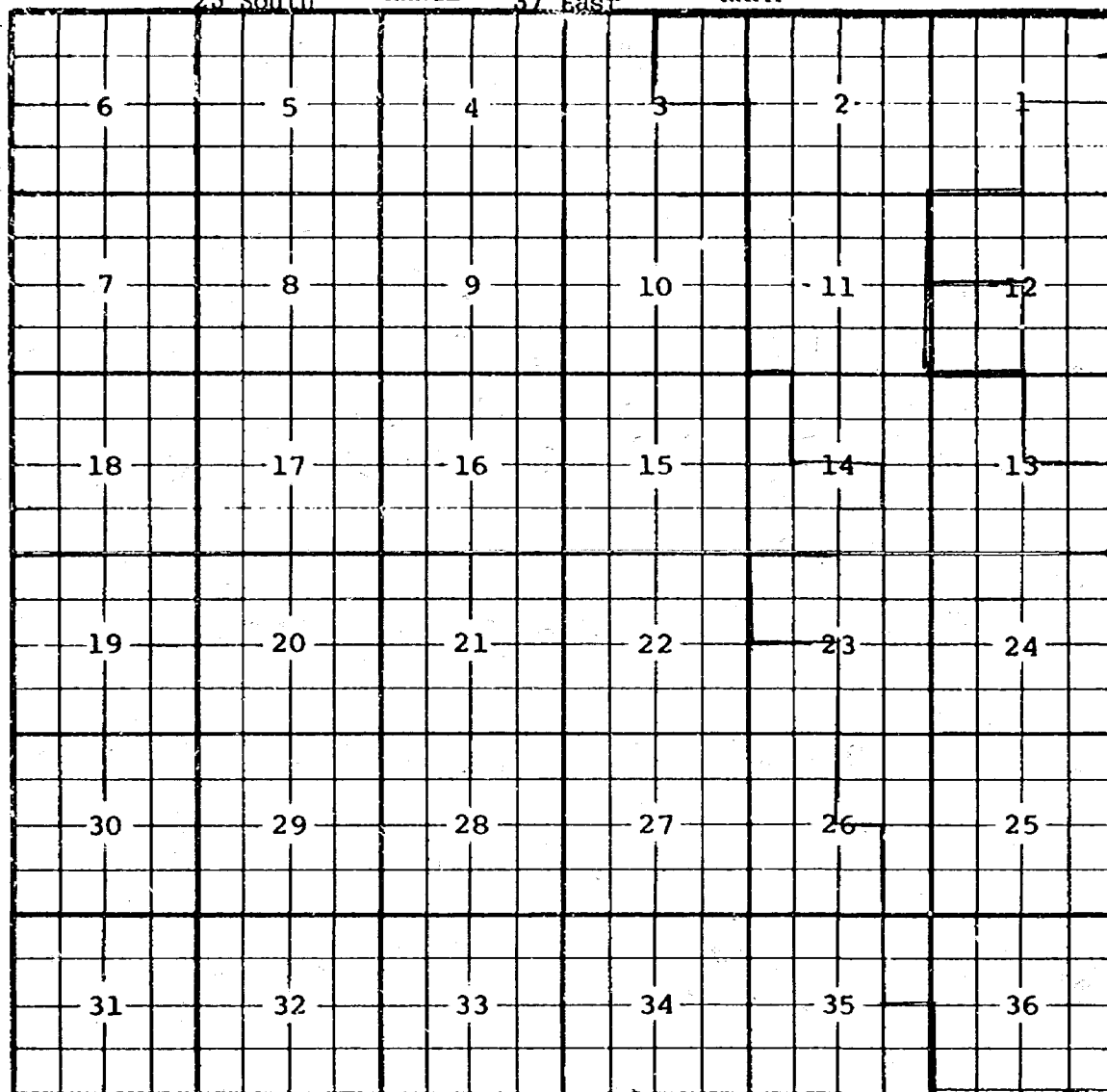
Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 12: SW/4

CASE 3617: (p) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL JUSTIS TUBB-DRINKARD

TOWNSHIP 25 South RANGE 37 East NMPM



PURPOSE: Two completed oil wells capable of producing.

TEXAS PACIFIC OIL COMPANY - Eaton S.W. #8 in Unit M of Section 12-25-37.  
Completed in Tubb Drinkard on April 23, 1967. Top of Perforations 5780'.

TEXAS PACIFIC OIL COMPANY - Eaton S.W. #9 in Unit L of Section 12-25-37.  
Completed in Tubb Drinkard on June 29, 1967. Top of Perforations 5742'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 12: SW/4

CASE 3617: (q) EXTENSION OF AN EXISTING OIL POOL

COUNTY	LEA	POOL	LAZY J-PENNSYLVANIAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
TOWNSHIP	14 South		RANGE	33 East		NMPM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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PURPOSE: One completed oil well capable of producing.

SKELLY OIL COMPANY - William Sanders #1 in Unit D of Section 1-14-33.

Completed in Pennsylvanian on May 12, 1967. Top of Perforations 9844'.

ADDITION--SKELLY OIL COMPANY - Childress A #1 in Unit L of Section 1-14-

33. Completed in Pennsylvanian on June 22, 1967. Top of

Perforations 9852'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 1: NW/4

ADDITION-----SECTION 1: SW/4



CASE 3617: (r) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL PEARL-SEVEN RIVERS

TOWNSHIP 19 South RANGE 34 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

ERNEST A. HANSON - Mescalero Ridge Unit "35" #17 in Unit G of Section 35-19-34. Completed in Seven Rivers on May 12, 1967. Top of Perforations 4009'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 35: NE/4

CASE 3617: (s) EXTENSION OF AN EXISTING OIL POOL

COUNTY Chaves POOL Twin Lakes-San Andres

TOWNSHIP	8S	RANGE	28E	NMPM
6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35

Purpose: One completed oil well capable of producing.

H. N. Sweeney, Citgo State well #2 in unit N of section 36-8-28.  
Completed in San Andres March 23, 1967, through perforations  
2605' to 2609'.

Pool boundary colored in red.

Proposed extension colored in green.

Section 36: S/2 SW/4

CASE 3617: (t) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTH VACUUM-ABO

TOWNSHIP 17 South RANGE 34 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

MOBIL OIL CORPORATION - Bridges State #119 in Unit F of Section 24-17-34.

Completed in Abo on March 30, 1967. Top of Perforations 8486'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 24: NW/4

CASE 3617: (u) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL VACUUM-WOLF CAMP

TOWNSHIP 17 South RANGE 34 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing:  
 MOBIL OIL CORPORATION - Bridges State #119 in Unit F of Section 24-17-34.  
 Completed in Wolfcamp on March 28, 1967. Top of Perforations 9717'.  
 Pool boundary colored in red.  
 Proposed pool extension colored in green. SECTION 24: NW/4

NOMENCLATURE ADVERTISEMENT FOR JULY, 1967

CASE 3617

In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the creation of new pools in Eddy and Lea Counties, New Mexico, the abolishment of existing pools in Eddy and Lea Counties, New Mexico, and the extension of vertical and horizontal limits of certain existing pools in Chaves, Eddy, and Lea Counties, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations, abolishments, and extensions of vertical and horizontal limits should not be made.

- ✓ **(c)** CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Golden Lane-Strawn Gas Pool. The discovery well is Pennzoil Company, Hudson Federal No. 1, located in Unit C of Section 4, Township 21 South, Range 29 East, NMPM. Said pool described as:

✓ TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM  
SECTION 4: Lots 1 through 8

- ✓ **b)** CREATE A new pool in ~~Lea County, New Mexico~~, classified as an oil pool for Queen production and designated as the North Pearl-Queen Pool. The discovery well is Atlantic Richfield Company, State BC No. 1, located in Unit H of Section 14, Township 19 South, Range 34 East, NMPM. Said pool described as:

✓ TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
SECTION 14: NE/4

- ~~23X~~ CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Blinebry production and designated as the Teague-Blinebry Pool. The discovery well is Bronco Oil Corporation, E. C. Hill No. 2, located in Unit J of Section 27, Township 23 South, Range 37 East, NMPM. Said pool described as:

✓ TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM  
SECTION 16: SE/4  
SECTION 21: E/2  
SECTION 27: S/2  
SECTION 28: E/2

- ~~20X~~ ABOLISH the West Bagley-Pennsylvanian Pool in Lea County, New Mexico, described as:

~~(f)~~ <sup>old</sup> TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 29: NE/4  
*(see "h" on next page)*

- ~~gXX~~ ABOLISH the Empire-Queen Pool in Eddy County, New Mexico, described as:

✓ TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM  
SECTION 36: SW/4 SW/4

- ~~hXX~~ ABOLISH the Red Lake-Queen Gas Pool in Eddy County, New Mexico, described as:

✓ TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM  
SECTION 26: E/2 SW/4 and W/2 SE/4

*i(g) see old "g" on last page*

jk g) EXTEND the Acme-San Andres Pool in Chaves County, New Mexico, to include therein:

✓ TOWNSHIP 8 SOUTH, RANGE 27 EAST, NMPM  
SECTION 4: N/2 SW/4 ✓

(A) h) EXTEND the North Bagley-Lower Pennsylvanian Pool in Lea County, New Mexico, to include therein: ✓

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 29: NE/4

K i) EXTEND the North Bagley-Middle Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 16: NW/4 ✓  
SECTION 17: SW/4  
SECTION 18: S/2

l j) EXTEND the Northeast Bagley-Wolfcamp Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 2: SW/4 ✓

m k) EXTEND the Cato-San Andres Pool in Chaves County, New Mexico, to include therein:

✓ TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPM  
SECTION 2: SE/4 ✓  
SECTION 15: SE/4  
SECTION 22: NE/4  
SECTION 23: NE/4

n l) EXTEND the South Corbin-Morrow Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM  
SECTION 27: NE/4 ✓

o m) EXTEND the Justis-Blinbry Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
SECTION 12: SW/4 ✓

p n) EXTEND the Justis Tubb-Drinkard Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
SECTION 12: SW/4 ✓

July, 1967 Nomenclature

- o) EXTEND the Lazy J-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM  
SECTION 1: NW/4 ✓

- p) EXTEND the Pearl-Seven Rivers Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
SECTION 35: NE/4 ✓

- (g) [X] EXTEND the vertical limits of the Red Lake Grayburg-San Andres Pool in Eddy County, New Mexico, to include the Queen formation and redesignate said pool as Red Lake Queen-Grayburg-San Andres Pool.

- r) EXTEND the Twin Lakes-San Andres Pool in Chaves County, New Mexico, to include therein:

✓ TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM  
SECTION 36: S/2 SW/4 ✓

- s) EXTEND the North Vacuum-Abo Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
SECTION 24: NW/4 ✓

- t) EXTEND the Vacuum-Wolfcamp Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
SECTION 24: NW/4 ✓

DOCKET: REGULAR HEARING - WEDNESDAY - JULY 19, 1967

OIL CONSERVATION COMMISSION - 9 A.M. - MORGAN HALL, STATE LAND OFFICE BUILDING,  
SANTA FE, NEW MEXICO

- ALLOWABLE: (1) Consideration of the oil allowable for August, 1967;
- (2) Consideration of the allowable production of gas for August, 1967, from thirteen prorated pools in Lea, Eddy and Roosevelt Counties, New Mexico. Consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico, for August, 1967.

CASE 3617: Southeastern New Mexico nomenclature case calling for an order for the creation of two pools and the assignment of oil discovery allowables therein, and for the creation, extension and abolishment of certain other pools in Lea, Eddy and Chaves Counties, New Mexico.

- (a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Delaware Sand production and designated the Duncan-Delaware Pool comprising the following described acreage:

TOWNSHIP 25 SOUTH, RANGE 32 EAST, NMPM  
SECTION 14: SE/4 SE/4

Further, for the assignment of approximately 24,255 barrels of oil discovery allowable to the discovery well, J. I. O'Neill, Jr.'s Federal "O" Well No. 1 located in Unit P of said Section 14.

- (b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Queen production and designated the Quail-Queen Pool comprising the following described acreage:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
SECTION 13: W/2  
SECTION 14: E/2

Further, for the assignment of approximately 25,630 barrels of oil discovery allowable to the discovery well, Atlantic Richfield's State "BG" Well No. 1 located in Unit H of said Section 14.

- (c) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated the Golden Lane-Strawn Gas Pool comprising the following described acreage:

TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM  
SECTION 4: Lots 1 through 8

- (d) Create a new pool in Lea County, New Mexico classified as an oil pool for Blinebry production and designated the Teague-Blinebry Pool comprising the following described acreage:



- TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM  
SECTION 16: SE/4  
SECTION 21: E/2  
SECTION 27: S/2  
SECTION 28: E/2
- (e) Abolish the West Bagley Pennsylvanian Pool in Lea County, New Mexico, described as:  
TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 29: NE/4
- (f) Extend the North Bagley Lower Pennsylvanian Pool to include therein:  
TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 29: NE/4
- (g) Abolish the Empire-Queen Pool in Eddy County, New Mexico described as:  
TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM  
SECTION 36: SW/4 SW/4
- (h) Abolish the Red Lake Queen Gas Pool in Eddy County, described as:  
TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM  
SECTION 26: E/2, SW/4 and W/2 SE/4
- (i) Extend the vertical limits of the Red Lake Grayburg-San Andres Pool in Eddy County to include the Queen formation and re-designate said pool as the Red Lake Queen-Grayburg-San Andres Pool.
- (j) Extend the Acme-San Andres Pool in Chaves County to include therein:  
TOWNSHIP 8 SOUTH, RANGE 27 EAST, NMPM  
SECTION 4: N/2 SW/4
- (k) Extend the North Bagley-Middle Pennsylvanian Pool to include therein:  
TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 16: NW/4  
SECTION 17: SW/4  
SECTION 18: S/2
- (1) Extend the Northeast Bagley-Wolfcamp Pool in Lea County to include therein:  
TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM  
SECTION 2: SW/4

Regular Hearing July 19, 1967

Docket No. 21-67

-3-

- (m) Extend the Cato-San Andres Pool to include therein:

TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPM  
SECTION 2: SE/4  
SECTION 15: SE/4  
SECTION 22: NE/4  
SECTION 23: NE/4

- (n) Extend the South Corbin-Morrow Gas Pool to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM  
SECTION 27: NE/4

- (o) Extend the Justis-Blinebry Pool to include therein:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
SECTION 12: SW/4

- (p) Extend the Justis Tubb-Drinkard Pool to include therein:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM  
SECTION 12: SW/4

- (q) Extend the Lazy J-Pennsylvanian Pool to include therein:

TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM  
SECTION 1: NW/4

- (r) Extend the Pearl-Seven Rivers Pool to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
SECTION 35: NE/4

- (s) Extend the Twin Lakes-San Andres Pool to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM  
SECTION 36: S/2 SW/4

- (t) Extend the North Vacuum-Abo Pool to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
SECTION 24: NW/4

- (u) Extend the Vacuum-Wolfcamp Pool to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM  
SECTION 24: NW/4

Regular Hearing - July 19, 1967  
-4-

Docket No. 21-67

CASE 3618:

Northwestern New Mexico nomenclature case calling for an order for the creation, extension, and contraction of certain pools in San Juan, Rio Arriba, Sandoval and McKinley Counties, New Mexico:

(a) Create a new pool in San Juan County classified as an oil pool for Dakota production, designated as the North Hogback-Dakota Oil Pool and described as:

TOWNSHIP 29 NORTH, RANGE 16 WEST, NMPM  
SECTION 6: SW/4  
SECTION 7: NW/4

TOWNSHIP 29 NORTH, RANGE 17 WEST, NMPM  
SECTION 1: SE/4  
SECTION 12: NE/4

(b) Create a new pool in San Juan County classified as a gas pool for Mississippian production, designated as the Table Mesa-Mississippian Gas Pool and described as:

TOWNSHIP 27 NORTH, RANGE 17 WEST, NMPM  
SECTION 9: NE/4

(c) Extend the Pinon-Fruitland Pool boundary to include therein:

TOWNSHIP 28 NORTH, RANGE 11 WEST, NMPM  
SECTION 18: S/2

(d) Extend the Ballard-Pictured Cliffs Pool boundary to include therein:

TOWNSHIP 23 NORTH, RANGE 3 WEST, NMPM  
SECTION 35: NW/4

(e) Extend the Fulcher Kutz-Pictured Cliffs Pool boundary to include therein:

TOWNSHIP 29 NORTH, RANGE 11 WEST, NMPM  
SECTION 7: SE/4  
SECTION 8: SW/4  
SECTION 18: NE/4

(f) Extend the South Blanco-Pictured Cliffs Pool boundary to include therein:

TOWNSHIP 25 NORTH, RANGE 3 WEST, NMPM  
SECTION 7: NW/4

TOWNSHIP 25 NORTH, RANGE 6 WEST, NMPM  
SECTION 25: SE/4

Regular Hearing - July 19, 1967  
-5-

Docket No. 21-67

(g) Extend the Lybrook-Gallup Oil Pool boundary to include therein:

TOWNSHIP 23 NORTH, RANGE 7 WEST, NMPM  
SECTION 4: W/2 SE/4

(h) Contract the South Blanco-Tocito Oil Pool boundary by deletion therefrom:

TOWNSHIP 26 NORTH, RANGE 6 WEST, NMPM  
SECTION 13: N/2

(i) Extend the South Hospah-Lower Sand Oil Pool boundary to include therein:

TOWNSHIP 17 NORTH, RANGE 9 WEST, NMPM  
SECTION 1: SW/4 SE/4, NE/4 SE/4

(j) Extend the Tapacito-Gallup Associated Pool boundary to include therein:

TOWNSHIP 26 NORTH, RANGE 6 WEST, NMPM  
SECTION 13: NE/4

(k) Extend the Table Mesa-Pennsylvanian "C" Pool boundary to include therein:

TOWNSHIP 27 NORTH, RANGE 17 WEST, NMPM  
SECTION 9: NE/4

(1) Extend the Tocito Dome-Pennsylvanian "D" Pool boundary to include therein:

TOWNSHIP 26 NORTH, RANGE 18 WEST, NMPM  
SECTION 8: SE/4

CASE 3619:

Application of Atlantic Richfield Company for special pool rules, Lea County, New Mexico, Applicant, in the above-styled cause, seeks the promulgation of temporary special pool rules for the Quail-Queen Pool, including a provision for 80-acre proration units and fixed well locations.

410 WEST OHIO  
MIDLAND, TEXAS

JOSEPH I. O'NEILL, JR.  
OIL PROPERTIES

June 21, 1967

TELEPHONE  
MUTUAL 3-2771

*Case 3617*  
*pp 2*

Texaco, Inc.  
P. O. Box 3109  
Midland, Texas

Re: Joseph I. O'Neill, Jr. Federal "O" No. 1,  
Lea County, New Mexico

Gentlemen:

In compliance with the rules and regulations of the New Mexico Oil Conservation Commission, attached is a copy of Form G-109, Application For Discovery Allowable and Creation of a New Pool, on the above cited well.

This application will be set on the regular hearing docket for July 19, 1967.

Very truly yours,

*E. T. Anderson*  
E. T. Anderson

ETA/nb

Attachment

CC: New Mexico Oil Conservation Commission  
Attention: Mr. Daniel S. Nutter  
P. O. Box 2088  
Santa Fe, New Mexico

MAIN OFFICE 000

'67 JUN 22 PM 1 2

2

DOCKET MAILED  
Date 7-7-67

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN

State of New Mexico  
Oil Conservation Commission

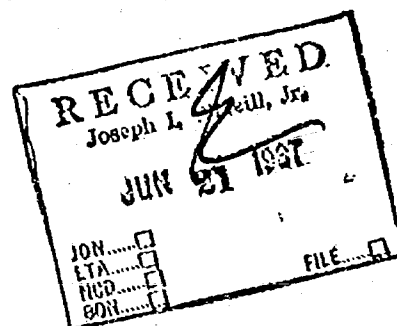


P. O. BOX 2088  
SANTA FE

June 19, 1967

LAND COMMISSIONER  
GUYTON B. HAYS  
MEMBER

*Well*  
*Case 3617*  
STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR



Joseph I. O'Neill, Jr.  
410 West Ohio  
Midland, Texas 79701

Attention: Mr. E. T. Anderson

Gentlemen:

We are in receipt of your application for bonus discovery allowable for your Federal "O" Well No. 1 in Unit P of Section 14, Township 25 South, Range 32 East, Lea County, New Mexico.

This application will be set on the regular hearing docket for July 19, 1967.

Our records indicate that Texaco Inc. owns leases within one mile of the subject well but was not furnished a copy of the application. Please furnish Texaco with a copy of your application, and furnish this office with evidence of such notification.

Very truly yours,

DANIEL S. NUTTER  
Chief Engineer

DSN/ir

MAIN OFFICE  
'67 JUN 22 PM 1 2

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN

State of New Mexico  
Oil Conservation Commission



LAND COMMISSIONER  
GUYTON B. HAYS  
MEMBER

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

P. O. BOX 1980  
HOBBS  
June 23, 1967

*Can*  
*3617*

*pp b.*

Mr. Dan Nutter, Chief Engineer  
New Mexico Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico

MAIN OFFICE OCC

'67 JUL 6 PM 1 20

Dear Dan:

I recommend that this attached application for discovery allowable of Atlantic Richfield Company, State "BG" Well No. 1, Unit H, Section 14, T-19-S, R-34-E be approved, and that this new pool be called "Ridge-Queen".

Very truly yours,

OIL CONSERVATION COMMISSION

*John W. Runyan*

John W. Runyan  
District Geologist

JWR:fd

Attachment

CLARENCE E. HINKLE  
W. E. BONDURANT, JR.  
S. B. CHRISTY IV  
LEWIS C. COX, JR.  
PAUL W. EATON, JR.  
CONRAD E. COFFIELD  
HAROLD L. HENSLEY, JR.  
MICHAEL R. WALLER  
STUART D. SHANOR

LAW OFFICES  
HINKLE, BONDURANT & CHRISTY  
600 HINKLE BUILDING  
ROSWELL, NEW MEXICO 88201

MIDLAND, TEXAS OFFICE  
521 MIDLAND TOWER  
(915) MU 3-4691  
OF COUNSEL: HIRAM M. DOW

June 21, 1967

TELEPHONE (505) 622-6510  
POST OFFICE BOX 10

Mr. J. D. Ramey  
Supervisor and Oil and Gas Inspector  
New Mexico Oil Conservation Commission  
Box 1980  
Hobbs, New Mexico

MAIN OFFICE 000

'67 JUL 6 PM 1 20

Dear Mr. Ramey:

Our client, Atlantic Richfield Company, is making application to the New Mexico Oil Conservation Commission for an oil discovery allowable in connection with its State "BG" No. 1 well located 1980 feet from the North line and 660 feet from the East line of Section 14, Township 19 South, Range 34 East Lea County. In accordance with Rule 509 there is enclosed herewith 2 copies of Form C-109 together with letter of W. P. Tomlinson, District Engineer for Atlantic Richfield, transmitting the same to the Santa Fe office of the Oil Conservation Commission. You will find attached to Form C-109 the exhibits referred to in Mr. Tomlinson's letter.

We are filing a copy of the application and above mentioned documents with the Oil Conservation Commission in Santa Fe and requesting that this matter be placed on the regular hearing docket for July 19.

We are also filing with the Commission application of Atlantic Richfield for the establishment of the East Ridge Pool to consist of the W $\frac{1}{2}$  Section 13 and E $\frac{1}{2}$  Section 14, Township 19 South, Range 34 East and also for the promulgation of temporary special rules and regulations for said pool, including 80 acre spacing. A copy of this application is also enclosed for your information and we are requesting that it also be set down for hearing on July 19.

Yours very truly,

CEH:cs

Enc.

cc: W. P. Tomlinson

cc: A. L. Porter, Jr.

cc: Atlantic Richfield - Dallas

HINKLE, BONDURANT & CHRISTY

By

DOCKET MAILED

Date 7-7-67



BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

JUN 22 11 43 AM '67

Application of Atlantic Richfield Company for establishment of the East Ridge Pool to consist of the  $W\frac{1}{2}$  Section 13 and  $E\frac{1}{2}$  Section 14, Township 19 South, Range 34 East, Lea County, New Mexico and for the adoption of temporary special field rules for said pool, including 80 acre well spacing and proration units.

MAIN OFFICE

'67 JUL 6 PM 1 20

Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico

Comes Atlantic Richfield Company, a corporation with offices at Roswell, New Mexico and hereby makes application for the establishment of the East Ridge Pool, Lea County, New Mexico and for the promulgation of temporary special rules and regulations for said pool and with respect thereto respectfully shows:

1. That applicant has heretofore completed a well located in Unit H of Section 14, Township 19 South, Range 34 East, N.M.P.M. Lea County, New Mexico, said well being located 1980 feet from the North line and 660 feet from the East line of said Section 14. Said well was completed on May 26, 1967 and is producing through perforations from 5126 feet to 5336 feet and was tested on completion with a potential of 194 barrels of oil per day and 240 barrels of water. That said well is producing from the Queen zone or formation and is a new discovery which is separate and distinct from pools heretofore designated in the area producing from the Queen formation. It is believed from the geological and geophysical information available at this time that said well reasonably proves to be productive all of the  $W\frac{1}{2}$  Section 13 and  $E\frac{1}{2}$  Section 14, Township 19 South, Range 34 East, N.M.P.M., which applicant requests be designated as constituting the East Ridge Pool.

2. That applicant owns or controls all except 80 acres of the acreage referred to above which it is requesting be included in the designation of the East Ridge Pool. Applicant contemplates the drilling

of additional wells, the same to be located so as to effect 80 acre spacing consisting of the N $\frac{1}{4}$ , S $\frac{1}{4}$ , E $\frac{1}{4}$  or W $\frac{1}{4}$  of governmental quarter sections and so that each well will be located in approximately the center with a tolerance of 150 feet of the SE $\frac{1}{4}$  and NW $\frac{1}{4}$  of each governmental quarter section. From information presently available and the producing characteristics of said well, it is believed that one well will effectively and efficiently drain 80 acres, and applicant seeks a temporary order providing for special field rules including 80 acre spacing and by such temporary order it is believed that the economic loss caused by the drilling of unnecessary wells will be prevented and that such spacing will be in the interest of prevention of waste and the protection of correlative rights.

3. Applicant requests that this matter be heard at the regular hearing of the Commission on July 19.

Respectfully submitted,

ATLANTIC RICHFIELD COMPANY

By

W. P. Tomlinson

HINKLE, BONDURANT & CHRISTY

By

[Signature]  
Attorneys for Applicant

Box 10

Roswell, New Mexico

Atlantic Richfield Company North American Producing Division  
New Mexico-Arizona District  
Post Office Box 1978  
Roswell, New Mexico 88201  
Telephone 505 622 4041

W. P. Tomlinson  
District Engineer

June 16, 1967

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

Attention: Mr. A. L. Porter, Jr.  
Secretary Director

Re: Application for Discovery Allowable  
Concerning Atlantic Richfield Company's  
State "BG" No. 1  
As per Commission Rule 509

Gentlemen:

Atlantic Richfield Company respectfully requests approval of a discovery allowable for our State "BG" No. 1 well, located 1980' FNL and 660' FEL, Section 14, Township 19 South, Range 34 East, Lea County, New Mexico. A completed Form C-109 and the following Exhibits are attached.

- (1) Plat showing location of wells, zones of completion, total depth, ownership and cross section location for wells within two miles of the State "BG" No. 1.
- (2) Structural contour map on the top of the Queen formation.
- (3) North-South cross section.
- (4) Gamma Ray - Sonic Log of the State "BG" No. 1 showing formation tops and bottoms.

Our State "BG" No. 1 was completed on May 26, 1967, and had a swabbing rate of 194 BO and 240 BWPD from Queen perforations 5126, 5145, 5153, 5170, 5186, 5198, 5227, 5276, 5317 and 5336. The swab test was taken 5-13-67 and the last test taken was on 6-13-67, pumping 83 BO and 124 BWPD with a pumping fluid level of 2100'. These tests substantiate the commercial capabilities of this well.

The nearest production to the State "BG" No. 1 is U. S. Smelting's State "B" No. 1, located 1-1/4 miles northeast



OFFICE OF

6 PM

NMOCC  
Page 2

in the Scharb Field. U. S. Smelting's well produces from the deeper Bone Springs formation. The nearest Queen production is south in the West Pearl Queen Field. The nearest producing well in this field is St. Clair's Superior Federal No. 2 which is located 660' FN and WL of Section 25, Township 19 South, Range 34 East and is 2-1/4 miles south of the subject well. As shown on the attached Structural Contour Map, the State "BG" No. 1 is separated from the West Pearl Queen Field by a deep east-west trending trough. The State "BG" No. 1 is the first Queen production, in this area, north of the trough. Also, on the west, east and north of the subject well, numerous Queen dry holes have been drilled.

The existence of a separate field is further substantiated by the fact that the wells in the West Pearl Queen Field tested higher oil cuts at lower structural positions than did the State "BG" No. 1. As an example the State "BG" No. 1 has a Queen top of a -866 feet and tested all water from the top sand member of the Queen while Hanson's No. 3 Mescalero Ridge Unit in Section 26, Township 19 South, Range 34 East, tested 50 BOPD and no water from the upper member with the top of the Queen being at a -867 feet. Also, the State "BG" No. 1 tested 45% oil cut (194 BO and 240 BWP) from the lower Queen members while Hanson's No. 5 Mescalero Ridge Unit in Section 26, Township 19 South, Range 34 East, tested 80 BOPD and no water from the lower members at a Queen top of -868 feet.

A bottom hole pressure survey on the State "BG" No. 1 taken 6-9-67 has previously been submitted. The 48 hour shut-in pressure at the mid point of the perforations (5231') was 1542 psi. The API gravity of the crude is 33.5°. No cores were taken in this well and no other reservoir data are available.

Yours very truly,

*W. P. Tomlinson*

W. P. Tomlinson

WPT:jcb

cc: NMOCC, P.O.Box 1980, Hobbs, N.M., Attention: Mr. Joe D. Ramey  
Offset Operators - List Attached

MAILING LIST

Gulf Oil Corporation  
P. O. Box 1938  
Roswell, New Mexico

Union Production  
P. O. Box 4306  
Midland, Texas

Mobil Oil Corporation  
P. O. Box 633  
Midland, Texas

Shell Oil Company  
P. O. Box 1509  
Midland, Texas

Drilling & Expl. (Sinclair)  
P. O. Box 14700  
Midland, Texas

C. Martin  
C. M. Martin Drilling Company  
Mertzon, Texas

Pacific Western (Getty Oil Company)  
P. O. Box 1231  
Midland, Texas

G. Wilbanks  
2200 Scurry  
Big Springs, Texas

**NEW MEXICO OIL CONSERVATION COMMISSION  
APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL**

Form C-109  
Adopted 9-1-66

NOTE: This form is to be filed and attachments made in accordance with the provisions of Rule 509. If discovery is claimed for more than one zone, separate forms must be filed for each.

Operator <b>Atlantic Richfield Company</b>		Address <b>P. O. Box 1978, Roswell, New Mexico</b>	
Lease Name <b>State "BG"</b>		Well No. <b>1</b>	County <b>Lea</b>
Well Location Unit Letter <b>H</b> , <b>1980</b> Feet from The <b>North</b> Line and <b>660</b> Feet From the <b>East</b> Line of Section <b>14</b> , Township <b>19 South</b> , Range <b>34 East</b> , NMPM			
Suggested Pool Names (List in order of preference) 1. <b>East Ridge</b> 2. <b>Ridge Queen</b> 3. <b>Quail Queen</b>			
Name of Producing Formation <b>Queen</b>	Perforations <b>5126, 5145, 5153, 5170, 5186, 5198, 5227, 5276, 5317 and 5336</b>	Date of Filing Form C-104 <b>5-26-67</b>	
Was "Affidavit of Discovery" Previously Filed For This Well in this Pool? <b>No</b>	If Yes, Give Date of Filing <b>---</b>	Date Well was Spudded <b>4-3-67</b>	Date Compl. Ready to Prod. <b>5-26-67</b>
Total Depth <b>10,350</b>	Plugged Back Depth <b>5430</b>	Depth Casing Shoe <b>5462</b>	Tubing Depth <b>5109</b>
Oil Well Potential (Test to be taken only after all load oil has been recovered) <b>194</b> Bbls, Oil Per Day Based On <b>178</b> Bbls In <b>22</b> Hours; <b>240</b> Bbls Water Per Day Based On <b>220</b> Bbls		Elevation (Gr., DF, RKB, RT, etc.) <b>Gr. 3970, RKB 3983</b>	
In <b>22</b> Hours; Gas Production During Test: <b>Not Meas.</b> MCF; Gas-Oil Ratio: <b>---</b>		Method Of Producing: <b>Swab.</b> Chk. Size: <b>---</b>	

**NEAREST PRODUCTION TO THIS DISCOVERY** (includes past and present oil or gas producing areas and zones whether this discovery is based on horizontal or vertical separation):

Pool Name <b>Scharb</b>	Name of Producing Formation <b>Bone Spring</b>	Top of Pay <b>10,236</b>	Bottom of Pay <b>10,804</b>	Currently Producing? <b>Yes</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool <b>1-1/4 Miles Northeast</b>		Vertical Distance from Subject Discovery Zone to Producing Interval this Pool <b>4,900'</b>		

**NEAREST COMPARABLE PRODUCTION** (includes past and present oil or gas production from this pay or formation only):

Pool Name <b>West Pearl Queen</b>	Top of Pay <b>4936</b>	Bottom of Pay <b>5055</b>	Currently Producing? <b>Yes</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool <b>2-1/4 Miles South</b>			

Is "County Deep" Discovery Allowable Requested for Subject Discovery Well? <b>No</b>	If Yes, Give Name, Location, and Depth of Next Deepest Oil Production in this County <b>---</b>
---	--

Is the Subject Well Multiple Completion? <b>No</b>	Is Discovery Allowable Requested for other Zone(s)? <b>No</b>	If Yes, Name all Such Formations <b>---</b>
---	--	--

**LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL** (Attach additional sheet if necessary)

NAME	ADDRESS
Gulf Oil Corporation	P. O. Box 1938, Roswell, New Mexico
Union Production	P. O. Box 4306, Midland, Texas
Mobil Oil Corporation	P. O. Box 633, Midland, Texas
Shell Oil Company	P. O. Box 1509, Midland, Texas
Drilling & Expl. (Sinclair)	P. O. Box 14700, Midland, Texas
C. Martin	C. M. Martin Drilling Company, Mertzon, Texas
Pacific Western (Getty Oil Company)	P. O. Box 1231, Midland, Texas
G. Wilbanks	2200 Scurry, Big Springs, Texas

Attach evidence that all of the above operators have been furnished a copy of this application. Any of said operators who intends to object to the designation of the subject well as a discovery well, eligible to receive a discovery allowable, must notify the appropriate District Office and the Santa Fe Office of the Commission of such intent in writing within ten days after receiving a copy of this application.

Remarks: The subject well is separated from the Queen Pool to the south by a deep structural trough. Producing characteristics also indicate this to be a separate pool.
--

**CERTIFICATION**

I hereby certify that all rules and regulations of the New Mexico Oil Conservation Commission have been complied with, with respect to the subject well, and that it is my opinion that a bona fide discovery of a hitherto unknown common source of oil supply has been made in said well. I further certify that the discovery allowable for the subject well, if authorized, will be produced from the subject zone in this well only. Further, that the information given herein and attached hereto is true and complete to the best of my knowledge and belief.

*[Signature]*

District Engineer

June 16, 1967

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL**

Form C-109  
 Adopted 9-1-66

NOTE: This form is to be filled and attachments made in accordance with the provisions of Rule 509.  
 If discovery is claimed for more than one zone, separate forms must be filed for each.

*Page 3617*

Operator <b>JOSEPH I. O'NEILL, JR.</b>		Address <b>410 West Ohio, Midland, Texas 79701</b>	
Lease Name <b>Federal "O"</b>		Well No. <b>1</b>	County <b>Lee</b>
Well Location Unit Letter <b>P</b> ; <b>660</b> Feet from The <b>South</b> Line and <b>660</b> Feet From the <b>East</b> Line of Section <b>14</b> , Township <b>258</b> , Range <b>32E</b> , NMPM			
Suggested Pool Names (List in order of preference) 1. <b>Duncan</b> 2. <b>Lundbeck</b> 3. <b>Lond</b>			
Name of Producing Formation <b>Olds section of Delaware</b>		Perforations <b>4851, 4852, 4853, 4854, 4855'</b>	Date of Filing Form C-109 <b>June 12, 1967</b>
Was "Affidavit of Discovery" Previously Filed For This Well in this Pool? <b>No</b>		If Yes, Give Date of Filing	Date Well was Spudded <b>May 24, 1967</b>
Total Depth <b>4904' RDB</b>		Plugged Back Depth <b>4897' RDB</b>	Elevation (Gr., DF, RKB, RT, etc.) <b>3434.3' RDB 3445.3' DF</b>
Oil Well Potential (Test to be taken only after all load oil has been recovered) <b>85</b> Bbls. Oil Per Day Based On <b>24</b> Hours; <b>55</b> Bbls Water Per Day Based On <b>24</b> Hours; Gas Production During Test: <b>TSTM</b> MCF; Gas-Oil Ratio: <b>Plwg &amp; Swbg</b> Method Of Producing: <b>Swbg</b> Chk. <b>2"</b> Size			

NEAREST PRODUCTION TO THIS DISCOVERY (Includes past and present oil or gas producing areas and zones whether this discovery is based on horizontal or vertical separation):

Pool Name <b>Paduca</b>	Name of Producing Formation <b>Ramsey Sec. of Delaware</b>	Top of Pay <b>4560' approx</b>	Bottom of Pay <b>4585' approx</b>	Currently Producing? <b>yes</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool <b>This well is 7920' east of nearest well in Paduca Field.</b>		Vertical Distance from Subject Discovery Well to the Nearest Well in this Pool <b>Approx 30' or the thickness of the Ford Shale since this well produces from the Olds Sand section of the Delaware.</b>		

NEAREST COMPARABLE PRODUCTION (Includes past and present oil or gas production from this pay or formation only):

Pool Name <b>Grice, Loving County, Texas</b>	Top of Pay <b>4630' approx</b>	Bottom of Pay <b>4660' approx</b>	Currently Producing? <b>Yes</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool <b>18 miles south</b>			

Is "County Deep" Discovery Allowable Requested for Subject Discovery Well? <b>No</b>	If Yes, Give Name, Location, and Depth of Next Deepest Oil Production in this County <b>MAIN OFFICE 00</b>
---	---

Is the Subject Well Multiple Completion? <b>No</b>	Is Discovery Allowable Requested for other Zone(s)? <b>No</b>	If Yes, Name all Such Formations <b>67 JUN 16 PM 1-28</b>
---	--	--

LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL (Attach additional sheet if necessary)

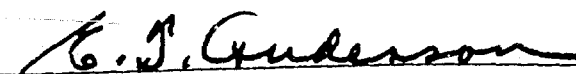
NAME	ADDRESS
Union Oil Company of California	Security Nat'l Bank Bldg., Roswell, N.M. 89201
Richardson Oil & P. R. Bass	First State Bank Bldg., Midland, Texas 79701
Tenneco Oil Co.	201 W. Wall Bldg., Midland, Texas 79701
Continental Oil Co.	P. O. Box 431, Midland, Texas 79701

Attach evidence that all of the above operators have been furnished a copy of this application. Any of said operators who intends to object to the designation of the subject well as a discovery well, eligible to receive a discovery allowable, must notify the appropriate District Office and the Santa Fe Office of the Commission of such intent in writing within ten days after receiving a copy of this application.

Remarks:
----------

**CERTIFICATION**

I hereby certify that all rules and regulations of the New Mexico Oil Conservation Commission have been complied with, with respect to the subject well, and that it is my opinion that a bona fide discovery of a hitherto unknown common source of oil supply has been made in said well. I further certify that the discovery allowable for the subject well, if authorized, will be produced from the subject zone in this well only. Further, that the information given herein and attached hereto is true and complete to the best of my knowledge and belief.

  
 Signature **E.T. Anderson**      Production Superintendent      Date **June 14, 1967**

JOSEPH I. O'NEILL, JR.  
OIL PROPERTIES

410 WEST OHIO  
MIDLAND, TEXAS 79701

June 14, 1967

TELEPHONE  
MUTUAL 3-2771

*Case 3617*

Union Oil Company of California  
Security National Bank Building  
Roswell, New Mexico 88201

Richardson Oil & Perry R. Bass  
First State Bank Building  
Midland, Texas 79701

Tenneco Oil Co.  
201 W. Wall Building  
Midland, Texas 79701

Continental Oil Company  
P. O. Box 431  
Midland, Texas 79701

Re: Joseph I. O'Neill, Jr. Federal "O" No. 1,  
Lea County, New Mexico

Gentlemen:

In compliance with the rules and regulations of the New Mexico Oil Conservation Commission, attached is a copy of Form C-109, Application For Discovery Allowable and Creation of a New Pool, on the above cited well.

Very truly yours,

E. T. Anderson

MAIN OFFICE 0000

ETA/nb

Attachment

'67 JUN 16 PM 1 28



JOSEPH I. O'NEILL, JR.  
OIL PROPERTIES

410 WEST OHIO  
MIDLAND, TEXAS 79701

July 10, 1967

TELEPHONE  
MUTUAL 3-2771

MAIN OFFICE 000

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

'67 JUL 11 PM 1 11

Re: Joseph I. O'Neill, Jr. Federal "O" No. 1,  
Located 660' FSL and 660' FEL of Section 14,  
T25S, R32E, Lea County, New Mexico

Gentlemen:

To complete the information required for a discovery allowable and creation of a new pool, we enclose the following material which was omitted at the time our Form C-109 was mailed to your office on June 15, 1967:

1. One copy of subsurface structural map.
2. One copy of geological cross-section.
3. One copy of Johnston Testers Drillstem Test Report 4815 to 4868' (only bottom hole pressure data available).
4. One copy of Core Analysis 4819 to 4829' and 4849 to 4872'.

Very truly yours,



E. T. Anderson

ETA/nb

Enc. - 4

CC: NMOCC, P. O. Box 1980, Hobbs, New Mexico

410 WEST OHIO  
MIDLAND, TEXAS 79701

JOSEPH I. O'NEILL, JR.  
OIL PROPERTIES

July 10, 1967

TELEPHONE  
MUTUAL 3-2771

Mr. J. W. Runyan  
New Mexico Oil Conservation Commission  
P. O. Box 1980  
Hobbs, New Mexico

MAIN OFFICE 000

'67 JUL 11 PM 1 11

Re: Joseph I. O'Neill, Jr. Federal "O" No. 1,  
Located 660' FSL and 660' FEL of Section 14,  
T25S, R32E, Lea County, New Mexico

Dear Mr. Runyan:

To complete the information required for a discovery allowable and creation of a new pool, we enclose the following material which was omitted at the time our Form C-109 was mailed to your office on June 15, 1967:

1. Two copies of subsurface structural map.
2. Two copies of geological cross-section.
3. Two copies of Johnston Testers Drillstem Test Report 4815 to 4868' (only bottom hole pressure data available).
4. Two copies of Core Analysis 4819 to 4829' and 4849 to 4872'.

If any additional material is required for the hearing scheduled for July 19, please advise.

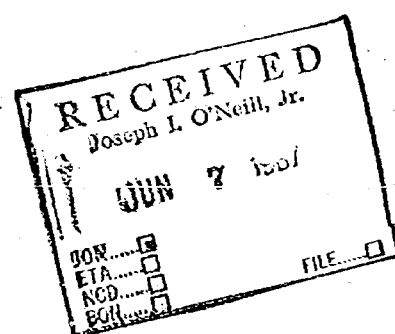
Very truly yours,

E. T. Anderson

ETA/nb

Enc. - 8

CC: NMOCC, P. O. Box 2088, Santa Fe, New Mexico ✓





## **MULTI-FLOW EVALUATOR (MFE)**

### *Field Data Technical Report*

The Multi-Flow Evaluator (MFE) is a wholly new formation evaluation tool that provides test data on an unlimited number of flow and shut-in pressure tests, plus a pressurized formation fluid sample under final flowing pressure. This sample may be drained at the well site, at our field location, or in your laboratory.

 **JOHNSTON TESTERS**

**Pressure  
Log\***

Field Report No. 02125 B

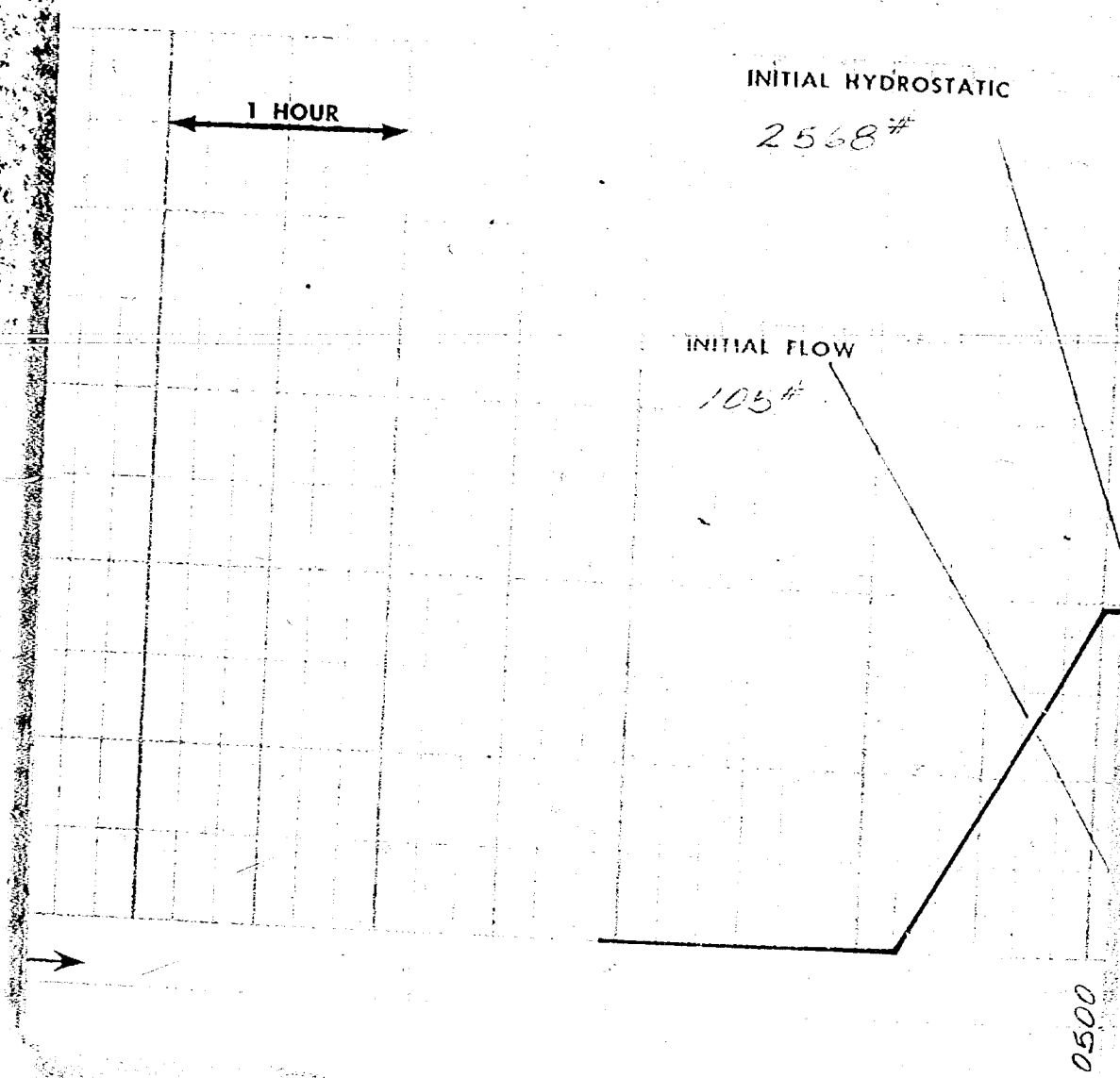
Instrument:  
Number J-106

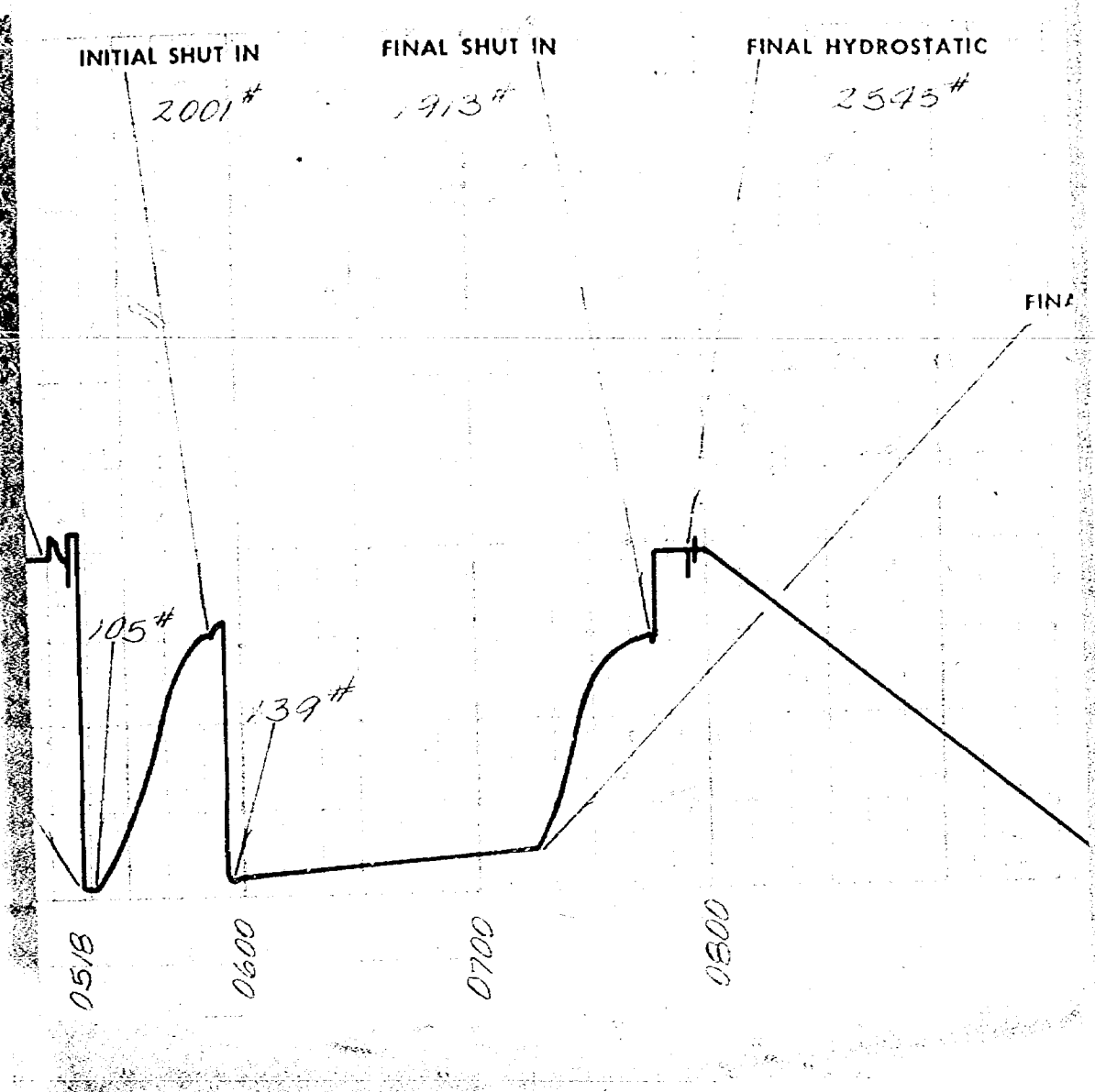
Capacity 6400 p.s.i.

Depth 4858 ft.

\*a continuous tracing of the original chart

TIME —





1 HOUR

AL FLOW

826 #

 JOHNSTON TESTERS

Pressure  
Log\*

Field Report No. 02125 B

Instrument:  
Number J-106

Capacity 6400 p.s.i.

Depth 4858 ft.

\*a continuous tracing of the original chart

Form J-228a



[illegible]



# MULTI-FLOW EVALUATOR FLUID SAMPLE REPORT

Date 6-1-67 Field Report No. 02125 B

Company JOSEPH I. O'NEILL, JR.

Well FEDERAL "O"-#1 Field WILD CAT

County LEA State NEW MEXICO

Test Interval 4815' To 4868' Test No. 1

Type of Test M. F. E. Recovery Description SEE

## RECOVERY DATA ON SURFACE INFORMATION SHEET

Bot. Hole Temp. 88 °F. Recorded Pressures: ISI \* 2001 psig.  
SSI - psig.  
FF 326 psig.  
FSI \* 1913 psig.

*\*Shut-in Pressure did not reach static reservoir pressure.*

## EVALUATOR SAMPLER UNIT

Sample Drained: ☒ On Location ☐ Service Center ☐ Other \_\_\_\_\_  
☐ Laboratory Name \_\_\_\_\_  
Address \_\_\_\_\_

Sampler Pressure 185 psig. at Surface

Recovery: Cu. Ft. Gas .70  
cc. Oil 1000  
cc. Water -  
cc. Mud 320  
Total Liquid cc. 1320

Gravity - °API - °F.  
Gas/Oil Ratio 111 CU.FT./BBL.

### RESISTIVITY

Recovery Water .04 @ 84 °F.  
Recovery Mud - @ - °F.  
Recovery Mud Filtrate - @ - °F.  
Mud Pit Sample .04 @ 84 °F.  
Mud Pit Sample Filtrate .04 @ 84 °F.

### CHLORIDE CONTENT

198000 ppm.  
- ppm.  
198000 ppm.

Remarks \_\_\_\_\_

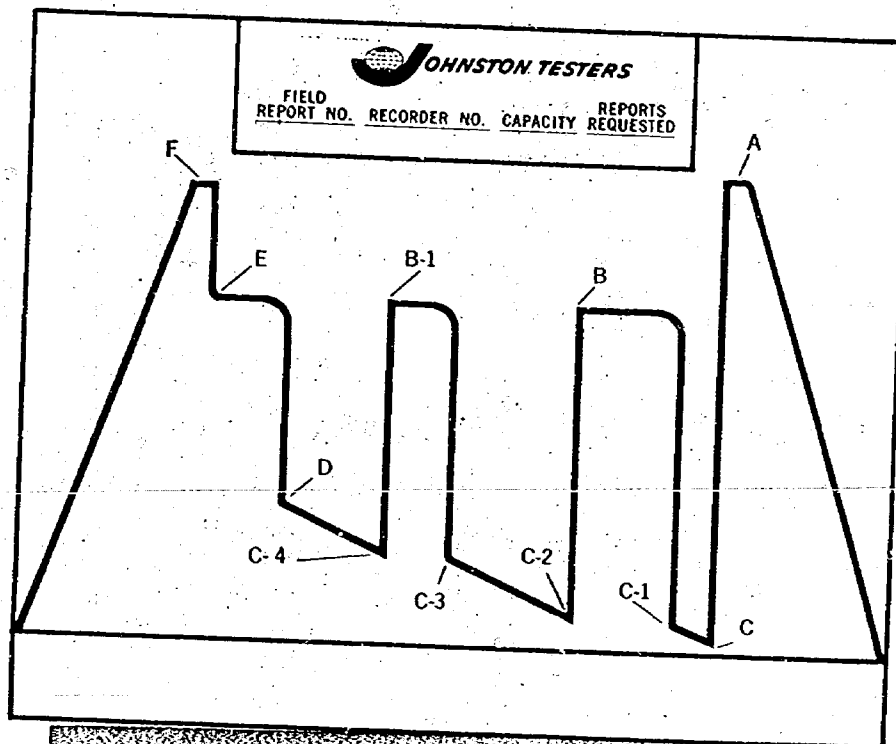


### PRESSURE DATA

[illegible]



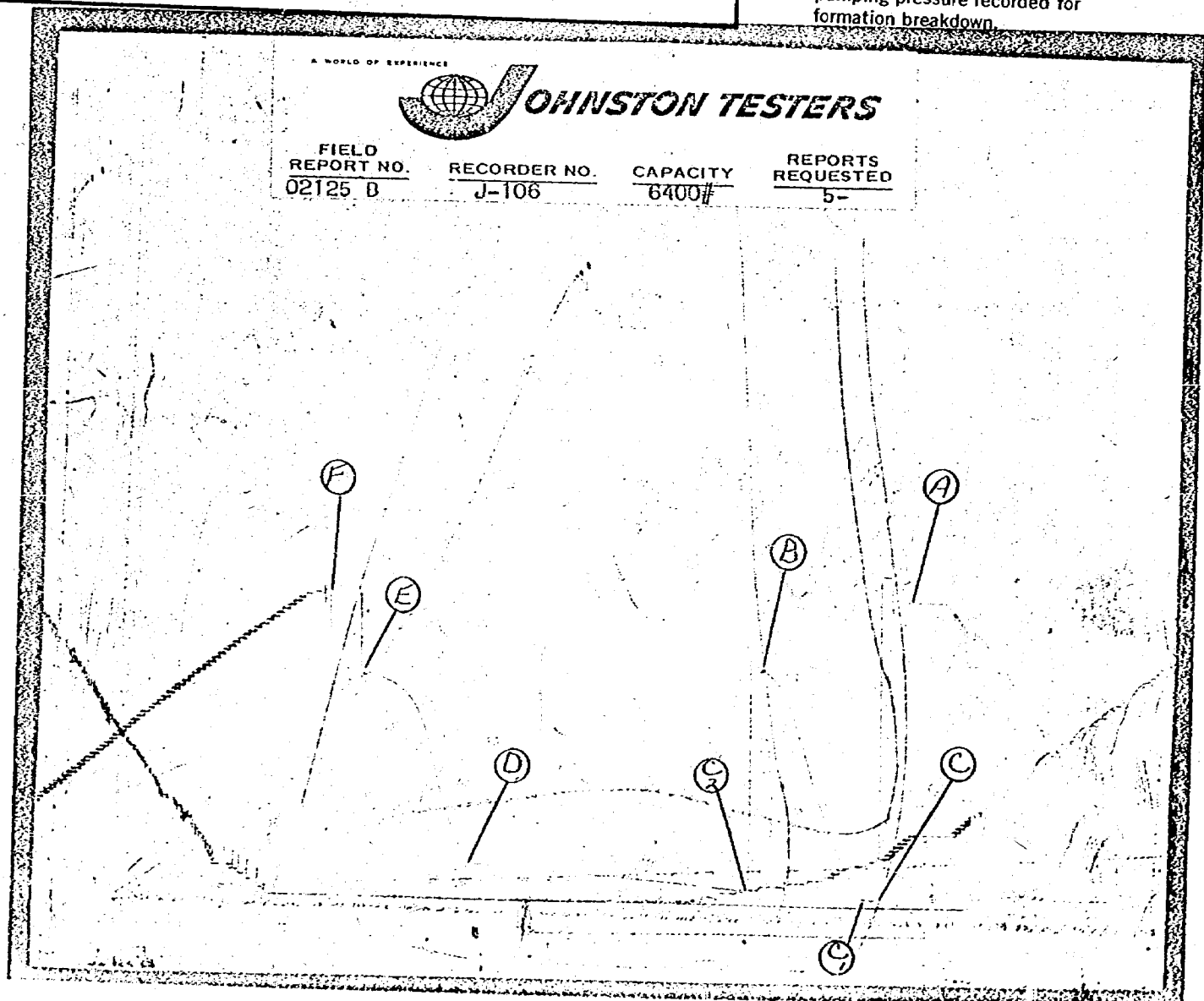
## GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- A. Initial Hyd. Mud
- B. Initial Shut-in
- C. Initial Flow
- D. Final Flow
- E. Final Shut-in
- F. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings, (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- B-1, B-2, B-3, etc. Subsequent Shut-in Pressures
- C-1, C-2, C-3, etc. Flowing Pressures
- D-1, D-2, D-3, etc. Subsequent Final Flow Pressures
- E-1, E-2, E-3, etc. Subsequent Final Shut-in Pressures
- F-1, F-2, F-3, etc. Final Hyd. Mud Pressures
- Z— Special pressure points such as pumping pressure recorded for formation breakdown



**CORE ANALYSIS REPORT**  
**FOR**  
**JOSEPH I. O'NEILL, JR.**  
**FEDERAL "O" NO. 1 WELL**  
**WILDCAT**  
**LEA COUNTY, NEW MEXICO**



## Petroleum Reservoir Engineering

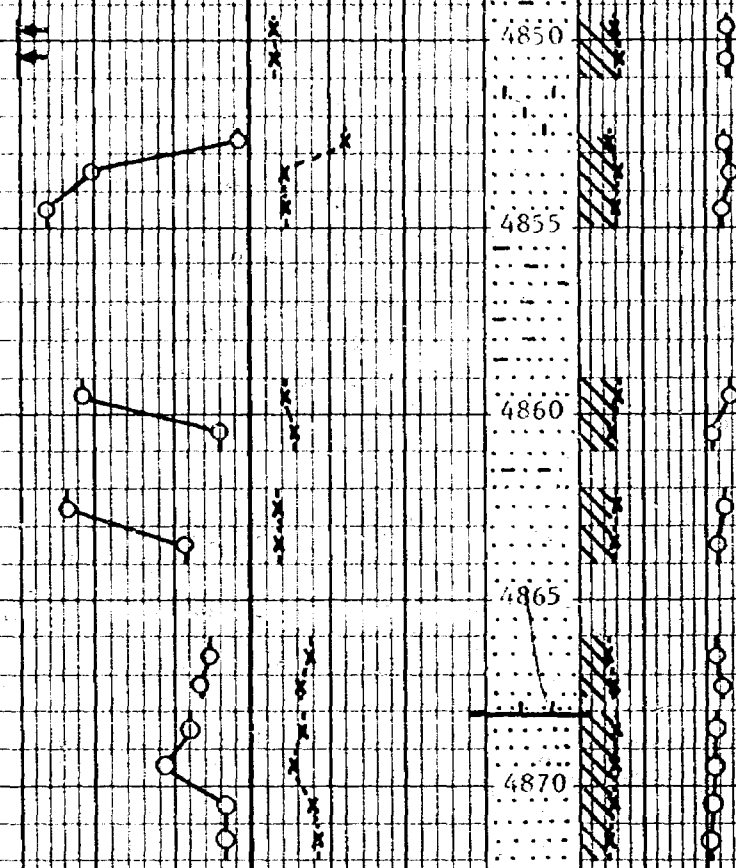
## COMPLETION COREGRAPH

SAND  LIMESTONE  CONGLOMERATE  CHERT  ANHYDRITE 

SHALE  DOLOMITE  OOLITES   

[illegible]

1	4849.5-50.0	112	27.1	14.4	41.0
2	4850.0-51.0	91	26.8	16.0	41.8
3	4852.5-53.0	2.6	18.2	12.1	42.3
4	53.0-54.0	31	25.5	15.7	40.4
5	4854.0-55.0	40	25.6	14.8	44.4
6	4859.0-60.0	32	25.7	15.5	40.2
7	4860.0-61.0	6.0	24.4	12.7	47.5
8	4862.0-63.0	35	26.7	15.0	43.0
9	4863.0-64.0	13	26.6	13.5	45.8
10	4866.0-67.0	8.6	22.8	11.8	46.2
11	4867.0-67.5	10	23.7	13.1	44.3
12	4868.0-69.0	12	23.5	14.9	47.3
13	69.0-70.0	17	24.8	14.5	47.2
14	70.0-71.0	5.8	22.3	13.0	48.0
15	4871.0-72.0	5.0	21.4	12.6	49.0



4840  
4845  
4850  
4855  
4860  
4865  
4870  
4875  
4880  
4885  
4890  
4895  
4900  
4905

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
DALLAS 7, TEXAS

Formation cored in the subject well has been analyzed according to instructions received at the laboratory. Results of the analysis are presented in both tabular and graphical form on the attached Completion Coregraph. Information relative to the drilling fluid used during the coring operation, sampling and preservation of the core and type of analysis employed will also be found on the Completion Coregraph.

Thank you for the opportunity to be of service.

Core Laboratories, Inc.  
P. O. Box 4337  
Midland, Texas

UNITED STATES CANADA SOUTH AMERICA EUROPE AFRICA AUSTRALIA

CL-431



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6-8-67

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Mr. E. T. Anderson  
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410 West Ohio  
Midland, Texas

JOSEPH I. O'NEILL, JR.  
OIL PROPERTIES

410 WEST OHIO  
MIDLAND, TEXAS 79701

July 11, 1967

TELEPHONE  
MUTUAL 3-2771

MAIN OFFICE OGC

'67 JUL 12 PM 1 16

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

Re: Joseph I. O'Neill, Jr. Federal "O" No. 1,  
Located 660' FSL and 660' FEL of Section 14,  
T25S, R32E, Lea County, New Mexico

Gentlemen:

The attached contoured subsurface structural map was omitted from our letter of July 10.

Very truly yours,

*Nell Blackman*

(Mrs.) Nell Blackman,  
Secretary to Mr. Anderson

nb

Attachment

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1120 SIMAS BLDG. • P. O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO

BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO  
July 19, 1967

REGULAR HEARING

IN THE MATTER OF:

Southeastern New Mexico nomenclature  
case calling for an order for the  
creation of two pools and the assign-  
ment of oil discovery allowables  
therein, and for the creation,  
extension and abolishment of certain  
other pools in Lea, Eddy and Chaves  
Counties, New Mexico.

Case No. 3617

BEFORE: A. L. PORTER, Jr.  
Secretary-Director

TRANSCRIPT

(Whereupon, Exhibit Number 1  
was marked for identification.)

MR. PORTER: We'll take up the Southeastern New  
Mexico nomenclature case next.

Mr. Ramey.

MR. HATCH: Case 3617, Southeastern New Mexico  
nomenclature case calling for an order for the creation of two  
pools and the assignment of oil discovery allowables therein,  
and for the creation, extension and abolishment of certain  
other pools in Lea, Eddy and Chaves Counties, New Mexico.

(Witness sworn.)

\*\*\*

J O E D. R A M E Y, a witness, called by the Commission,  
having been first duly sworn, was examined and testified as  
follows:

DIRECT EXAMINATION

BY MR. HATCH:

Q Would you state your name and position for the  
record?

A Joe D. Ramey. I am Supervisor of the Commission's  
District 1 at Hobbs, New Mexico.

Q Are you prepared to make recommendations to the  
Commission concerning the creation of certain pools and the  
assignment of oil discovery allowables to two of the pools,

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and the extension and the abolishment of certain pools all in Lea, Eddy and Chaves Counties in New Mexico?

A Yes, sir.

Q Have you prepared an exhibit or exhibits relative to your recommendations?

A Yes, I have.

Q What is that exhibit?

A It's labeled, "Southeast New Mexico Nomenclature Exhibit 1," Paragraphs A through U.

Q Will you please refer to the exhibit and to Paragraph A of Case 3617 and make your recommendations to the Commission concerning the creation of a new pool in Lea County, New Mexico and the assignment of an oil discovery allowable to the discovery well?

A Yes, sir. Paragraph A. It is recommended that that new oil pool be created and designated as the East Paduca- Delaware Pool. Now, this is the change: the docket advertised this as the Duncan-Delaware Pool, but at the request of the operator, we have changed the name to the East Paduca Pool.

The vertical limits to be the Sand Formation, and the horizontal limits as shown advertised on the docket that the discovery well was the Joseph E. O'Neill, Jr.'s Federal "O" Well Number 1 located in Unit P, Section 14, Township 25 South, Range 32 East. The well was completed on June 11th, 1967, and

the top perforation is at 4,852 feet. Further, it is recommended that a discovery allowable of 24,255 barrels be assigned this well.

Q Will you please refer, again, to your exhibit and to Paragraph B of Case 3617 and make your recommendations to the Commission concerning the creation of a new pool in Lea County, New Mexico, and the assignment of an oil discovery allowable to the discovery well?

A It is recommended that a new oil pool be created and designated as the Quail-Queen Pool.

The vertical limits to be the Queen Formation, and the horizontal limits as shown advertised on the docket that discovery well was the Atlantic Richfield Company's State "BG" Well Number 1 located in Unit H, Section 14, Township 19 South, Range 34 East. The well was completed on May 13th, 1967, and the top perforations is at 5,126 feet.

In line with this, it is recommended that a discovery allowable of 25,630 barrels be assigned this well.

Q All right. Will you go ahead with your exhibit, then comparing the exhibit in Paragraphs C through U with the docket and point out any corrections that need to be made.

A I might go back on Paragraphs A and B. We have the appropriate exhibits and discovery allowable applications with all the necessary attachments on those.

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The remainder of the nomenclature is as advertised with exceptions of the following:

Paragraph D. We have an addition in Township 23 South, Range 37 East, Section 16: the Southwest Quarter.

Paragraph H. There is a correction. The docket advertised it as the East Half and the Southwest Quarter, and that should read: the East Half of the Southwest Quarter.

MR. PORTER: Was that corrected in the newspaper?

A I'm not sure about that, Mr. Porter.

MRS. RODRIQUEZ: We don't advertise the descriptions.

A Paragraph K. It is recommended that this be dismissed pending further study.

Paragraph M. We have an addition in Township 8 South, Range 30 East: Section 8, the Northeast Quarter; Section 23, the Southwest Quarter.

Paragraph Q. In addition, in Township 14 South, Range 33 East, Section 1: Southwest Quarter.

The remainder is as advertised or as shown on the docket.

Q Do you recommend that the pools be created, extended and abolished as advertised and corrected then?

A Yes, sir, I do, with the exception of Paragraph Q, which should be dismissed.

Q "Q"?

A Is that what I said? "K." Okay, "K."

Q Was Exhibit 1 prepared by you or under your supervision?

A Yes, sir, it was.

MR. HATCH: I would like to move the introduction of Exhibit 1 at this time.

MR. PORTER: Without objection, the exhibit will be admitted.

(Whereupon, Exhibit Number 1 was admitted into evidence.)

MR. PORTER: Does anyone have a question of Mr. Ramey? If not, the witness will be excused.

MR. NUTTER: Sir, I just have one question.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Ramey, you stated that the perforations in that Joseph E. O'Neill Well were 4,852 feet?

A Yes, sir.

Q That would calculate up to an allowable of 24,260. That must have been based on a perforation of 4,851 feet. Would you check that out, please?

A Their advertisement states that the top perforation is at 4,851. We should correct that. The top of the



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STATE OF NEW MEXICO )  
 ) ss.  
COUNTY OF BERNALILLO )

IN WITNESS WHEREOF, I have affixed my hand and notarial seal this 24th day of July, 1967.

My Commission Expires:  
February 10, 1971.