

CASE 4051: SOUTHEASTERN NEW MEXICO  
NOMENCLATURE

Case Number

4057

Application  
Transcripts.

Small Exhibits

ETC.

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SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

1120 SIMAS BLDG. • P. O. BOX 1092 • PHONE 243-4491 • ALBUQUERQUE, NEW MEXICO



BEFORE THE  
NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

February 19, 1969

REGULAR HEARING

-----  
IN THE MATTER OF: )

Southeastern nomenclature case )  
calling for an order for the )  
creation, extension, and contrac- )  
tion of certain pools in Lea, )  
Eddy, Chaves, and Roosevelt )  
Counties, New Mexico. )

Case No. 4051

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

Alex J. Armijo, Land Commissioner

George Hatch, Counsel

TRANSCRIPT OF HEARING

MR. PORTER: Case 4051.

MR. HATCH: Case 4051, Southeastern nomenclature case calling for an order for the creation, extension, and contraction of certain pools in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico.

(Witness sworn.)

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

JOE D. RAMEY

called as a witness by the Commission, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. HATCH:

Q State your name and position for the record?

A Joe D. Ramey, Supervisor for the Commission's District No. 1

Q Are you prepared to make recommendations to the Commission concerning the creation, extension, and contraction of certain pools in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico?

A Yes.

Q Are your recommendations prepared in the form of an exhibit prepared by you or someone under your supervision?

A Yes, it is labeled Southeast New Mexico Nomenclature Exhibit 1, paragraphs A through T.

Q Would you refer to Exhibit 1 and to paragraphs A and B, and make your recommendations concerning the creation of those two pools and the assignment of oil discovery allowables?

A It is recommended that a new oil pool be created and designated as the Revelation-Delaware Pool, vertical limits to be the Delaware formation, and the horizontal limits as shown in paragraph A.

Discovery well was Marathon Oil Company, Miller Ranch Unit Well No. 1, located in Unit J of Section 18, Township 22 South, Range 25 East, and was completed on December 13, 1968, top of the perforations at 3,624 feet.

It is further recommended that a bonus allowable for an oil discovery in the amount of 18,120 barrels be assigned this well.

Paragraph B, it is recommended that a new oil pool be created and designated as the West Sawyer-San Andres Pool, vertical limits to be the San Andres formation, and the horizontal limits as shown in paragraph B.

Discovery well was Coastal States Gas Producing Company, Santa Fe No. 1, located in Unit 1, Section 33, Township 9 South, Range 27 East, and was completed on January 6, 1960, top of the

perforations at 4,244 feet.

It is also recommended that a discovery bonus allowable of 24,720 barrels be assigned this well.

Q Would you go on now to paragraphs C through T, and make any recommendations concerning the creation, extension, and contraction or deletion of any of those?

A It was recommended that the first paragraph C is as shown on the advertisement, paragraph D is to be dismissed, since this will be heard on a forthcoming Examiner Hearing. Paragraph G, I have additions in Township 9 South, Range 33 East, Section 25, the southeast quarter, Section 35, the southeast quarter. Further additions in Township 9, Range 35 East, Section 5, the east half and the southwest quarter. Section 6, the southeast quarter, Section 7, the north half, Section 8, the north half and the southeast quarter.

Paragraph H, an addition in Township 13 South, Range 33 East, Section 32, the northwest quarter, and an addition in Township 14 South, Range 33 East, Section 4, southwest quarter.

In paragraph J, I have an addition in Township 9 South, Range 37 East, Section 13, the northeast quarter.

Paragraph O is to be dismissed, since this acreage is already in the north Burn Pool.

And paragraph S, I have an addition in Township 17

South, Range 34 East, Section 23, the northeast quarter.

The rest is as advertised on the docket.

Q Do you recommend that these pools be created, extended, and contracted as corrected at this hearing?

A Yes, sir, I do.

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

MR. PORTER: Exhibit 1 will be admitted.

(Whereupon, Commission's Exhibit Number 1 was admitted in evidence.)

What paragraph did you move to be dismissed?

THE WITNESS: Paragraph D, and paragraph O.

MR. PORTER: Paragraph D and paragraph O will be dismissed. And the remainder of the recommendation will be taken under advisement. The hearing is adjourned.

I N D E X

<u>WITNESS</u>		<u>PAGE</u>
JOE D. PAMEY		
Direct Examination by Mr. Hatch		2

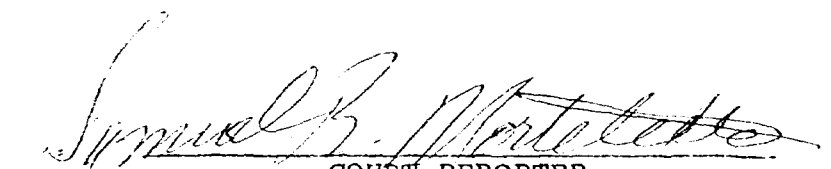
  

<u>EXHIBITS</u>	<u>MARKED</u>	<u>OFFERED AND ADMITTED</u>
Commission's Exhibit Number 1	2	5



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

I, SAMUEL MORTELETTE, Court Reporter in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

  
COURT REPORTER

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. 4051  
Order No. R-3681

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 8:30 a.m. on February 19, 1969, 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 February, 1969, 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 Eddy County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation of Revelation-Delaware Pool. Further, that the discovery well for said pool, the Marathon Oil Company Miller Ranch Unit Well No. 1, located in Unit J of Section 18, Township 22 South, Range 25 East, NMPM, is entitled to and should receive a bonus discovery allowable in the amount of 18,120 barrels to be assigned over a two-year period. The top of the perforations in said well is at 3624 feet.

(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 San Andres formation, said pool to bear the designation of West Sawyer-San Andres Pool. Further, that the discovery well for said pool, the Coastal States Gas Producing Company Santa Fe Well No. 1, located in Unit M of Section 33, Township 9 South, Range 37 East, NMPM, is entitled to and should receive a bonus discovery allowable in the amount of 24,720 barrels to be assigned over a two-year period. The top of the perforations in said well is at 4944 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 Cisco formation, said pool to bear the designation of Fordinkus-Cisco Gas Pool. Said Fordinkus-Cisco Gas Pool was discovered by the Charles B. Read Anderson State Well No. 1Y, located in Unit G of Section 14, Township 18 South, Range 24 East, NMPM. It was completed in the Cisco formation on November 7, 1968. The top of the perforations is at 6351 feet.

(5) That the proposed creation of a new pool in Section 12, Township 17 South, Range 36 East, NMPM, Lea County, New Mexico, for the production of oil from the Devonian formation should be dismissed inasmuch as said creation will be considered at a separate hearing.

(6) That there is need for the creation of a new gas pool in Chaves County, New Mexico, for the production of gas from the Grayburg-San Andres formation, said pool to bear the designation of Sams Ranch Grayburg-San Andres Gas Pool. Said Sams Ranch Grayburg-San Andres Gas Pool was discovered by the Midwest Oil Corporation Federal A Well No. 1, located in Unit L of Section 10, Township 14 South, Range 28 East, NMPM. It was completed in the Grayburg-San Andres formation on August 1, 1963. The top of the perforations is at 1683 feet.

(7) That there is need for the contraction of the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of certain acreage in order that the deleted acreage may be placed in the Vada-Pennsylvanian Pool.

(8) That there is need for the extension of the vertical limits of the North Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include all of the Upper Pennsylvanian formation in the interval from 9554 feet to 9814 feet. Type log: Coastal

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CASE No. 4051

Order No. R-3681

States Gas Producing Company Federal "20" Well No. 2, located in Unit N of Section 20, Township 13 South, Range 33 East, NMPM.

(9) That there is need for certain extensions to the Cato-San Andres Pool and the Sulimar-Queen Pool, both in Chaves County, New Mexico, the East Benson-Yates Pool, the West Henshaw-Grayburg Pool, the North Indian Hills-Morrow Gas Pool, and the McMillan-Morrow Gas Pool, all in Eddy County, New Mexico, the Baum-Upper Pennsylvanian Pool, the Quail-Queen Pool, the North Vacuum-Abo Pool, and the Vada-Pennsylvanian Pool, all in Lea County, New Mexico, the East Bluit-San Andres Pool and the Bluit-Wolfcamp Gas Pool, both in Roosevelt County, New Mexico. Further, that the proposed extension to the Lazy J-Pennsylvanian Pool in Lea County, New Mexico, should be dismissed to prevent the overlapping of two pools.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 22 SOUTH, RANGE 25 EAST, NMPM  
Section 18: NW/4 SE/4

That the discovery well for said pool, Marathon Oil Company's Miller Ranch Unit Well No. 1, located in Unit J of Section 18, Township 22 South, Range 25 East, NMPM, is hereby authorized an oil discovery allowable of 18,120 barrels to be assigned to said well at the rate of 25 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 San Andres production, is hereby created and designated as the West Sawyer-San Andres Pool, consisting of the following-described area:

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM  
Section 33: SW/4 SW/4

That the discovery well for said pool, Coastal States Gas Producing Company's Santa Fe Well No. 1, located in Unit M of Section 33, Township 9 South, Range 37 East, NMPM, is hereby authorized an oil discovery allowable of 24,720 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.

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CASE No. 4051  
Order No. R-3681

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

TOWNSHIP 18 SOUTH, RANGE 24 EAST, NMPM  
Section 14: E/2

(d) That the proposed creation of a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the Midway-Devonian Pool, consisting of the following-described area:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM  
Section 12: NW/4

is hereby dismissed.

(e) That a new pool in Chaves County, New Mexico, classified as a gas pool for Grayburg-San Andres production, is hereby created and designated as the Sams Ranch Grayburg-San Andres Gas Pool, consisting of the following-described area:

TOWNSHIP 14 SOUTH, RANGE 28 EAST, NMPM  
Section 10: SW/4  
Section 15: NW/4

(f) That the Inbe Permian-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following-described area:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
Section 15: S/2, NE/4, and E/2 NW/4

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

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
Section 25: SE/4  
Section 35: SE/4

TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM  
Section 5: E/2 and SW/4  
Section 6: SE/4  
Section 7: N/2  
Section 8: N/2 and SE/4

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
Section 15: All

CASE No. 4051  
Order No. R-3681

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

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM

Section 31: NE/4

Section 32: NW/4

TOWNSHIP 14 SOUTH, RANGE 32 EAST, NMPM

Section 1: SE/4

TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM

Section 4: SW/4

(i) That the East Benson-Yates Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM

Section 18: N/2 SW/4

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

TOWNSHIP 8 SOUTH, RANGE 37 EAST, NMPM

Section 13: NE/4

TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM

Section 18: SW/4

(k) That the Bluit-Wolfcamp Gas Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 7 SOUTH, RANGE 37 EAST, NMPM

Section 32: E/2

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

TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM

Section 3: SW/4

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(m) That the West Henshaw-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM  
Section 4: Lot 8

(n) That the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM  
Section 8: All  
Section 16: All  
Section 17: All

(o) That the proposed extension to the Lazy J-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described to include therein:

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
Section 19: NE/4  
Section 20: NW/4

is hereby dismissed.

(p) That the McMillan-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM  
Section 19: All

(q) That the Quail-Queen 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 11: E/2

(r) That the Sulimar-Queen Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM  
Section 13: S/2 SE/4  
Section 24: NW/4 NE/4

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CASE No. 4051  
Order No. R-3681

(s) That the North Vacuum-Abo 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 23: NE/4

Section 24: SE/4

(t) That the vertical limits of the North Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, are hereby extended to include all of the Upper Pennsylvanian formation in the interval from 9554 feet to 9614 feet. Type log: Coastal States Gas Producing Company Federal "20" Well No. 2, located in Unit W of Section 20, Township 13 South, Range 33 East, NMPM.

IT IS FURTHER ORDERED:

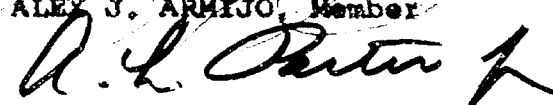
That the effective date of this order and all creations, contractions, and extensions of vertical and horizontal limits included herein shall be March 1, 1969.

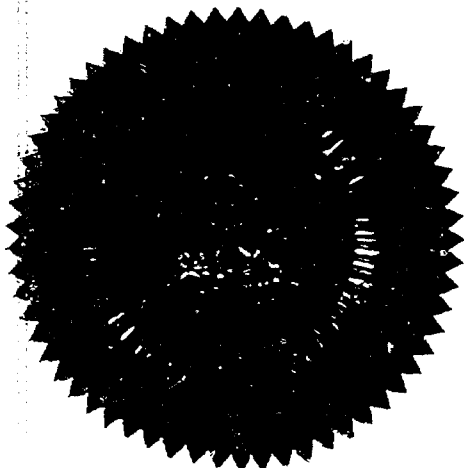
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
DAVID P. CARGO, Chairman

  
ALEX J. ARMILLO, Member

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



esr/



Memorandum  
Extension of the  
as the figures as  
the situation is  
and the pool

10/1/1911  
10/1/1911

CASE 4051: (a) CREATION OF A NEW OIL POOL

COUNTY	EDDY	POOL	REVELATION-DELAWARE		
TOWNSHIP 22 South		RANGE 25 East	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 oil well capable of producing.

MARATHON OIL COMPANY - Miller Ranch Unit #1 in Unit J of Section 13-22-25.

Completed in Delaware on December 13, 1968. Top of Perforations 3624'.

Proposed pool boundary colored in red. SECTION 13: NW/4 SE/4.

CASE 4051: (b) CREATION OF A NEW OIL POOL

COUNTY LEA POOL WEST SAWYER-SAN ANDRES

TOWNSHIP 9 South						RANGE 37 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.

COASTAL STATES GAS PRODUCING COMPANY - Santa Fe #1 in Unit M of Section 33-9-37. Completed in San Andres on January 6, 1969. Top of Perforations 4944'.

Proposed pool boundary colored in red. SECTION 33: SW/4 SW/4

CASE 4051: (c) CREATION OF A NEW GAS POOL

COUNTY	EDDY	POOL	Four-Dinkus-Cisco Gas			
TOWNSHIP	18S	RANGE	24E	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 gas well capable of producing.

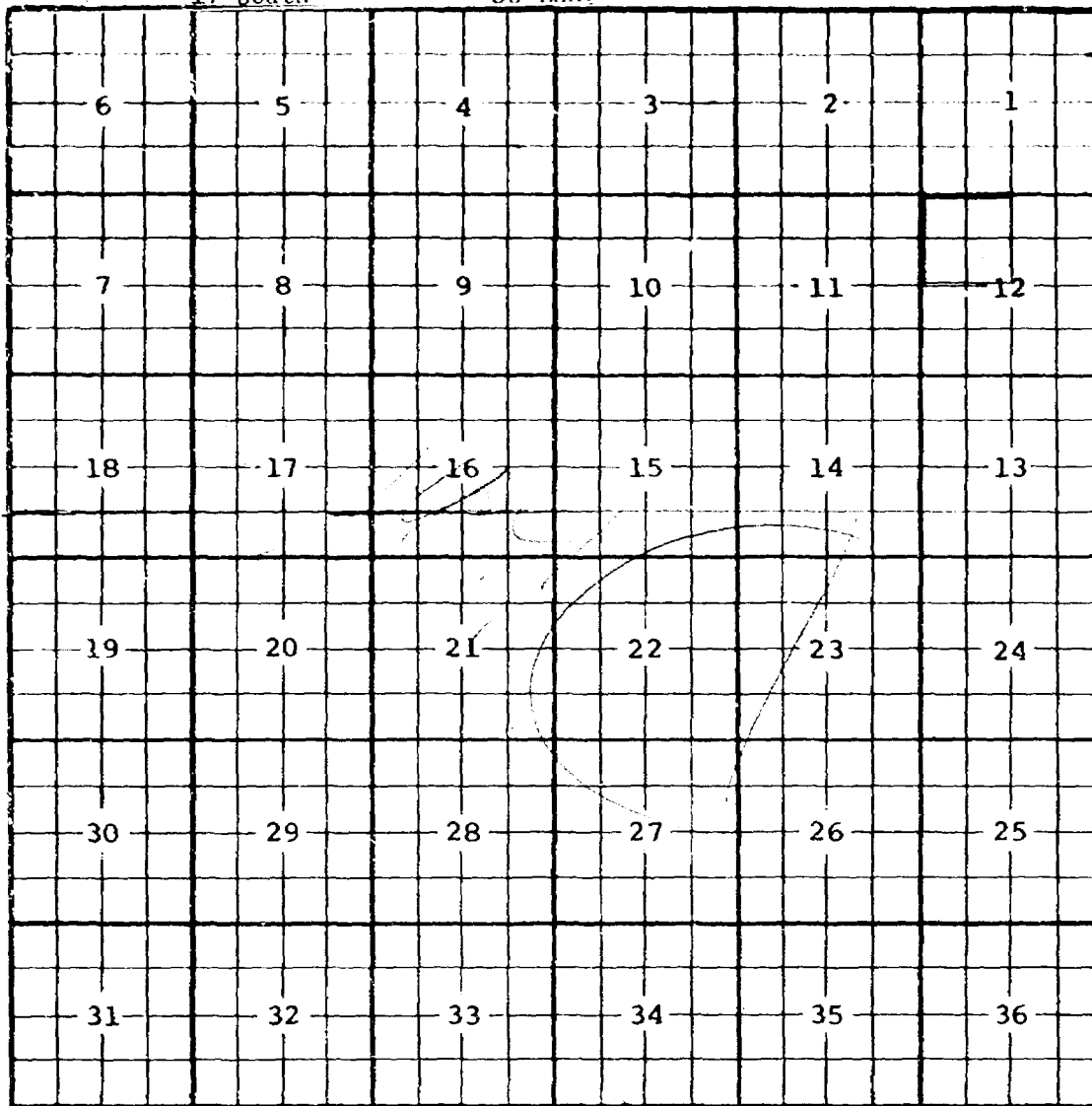
Discovery well: Charles B. Read, Anderson State well No. 1Y in unit G of Section 14-18-24. Completed in Cisco formation November 7, 1968, through perforations 6351' to 6388'.

Proposed pool boundary colored in green.

Section 14: E/2

CASE 4051: (d) CREATION OF A NEW OIL POOL

COUNTY	LEA	POOL	MIDWAY-DEVONIAN
TOWNSHIP	17 South	RANGE	36 East
			NMPM



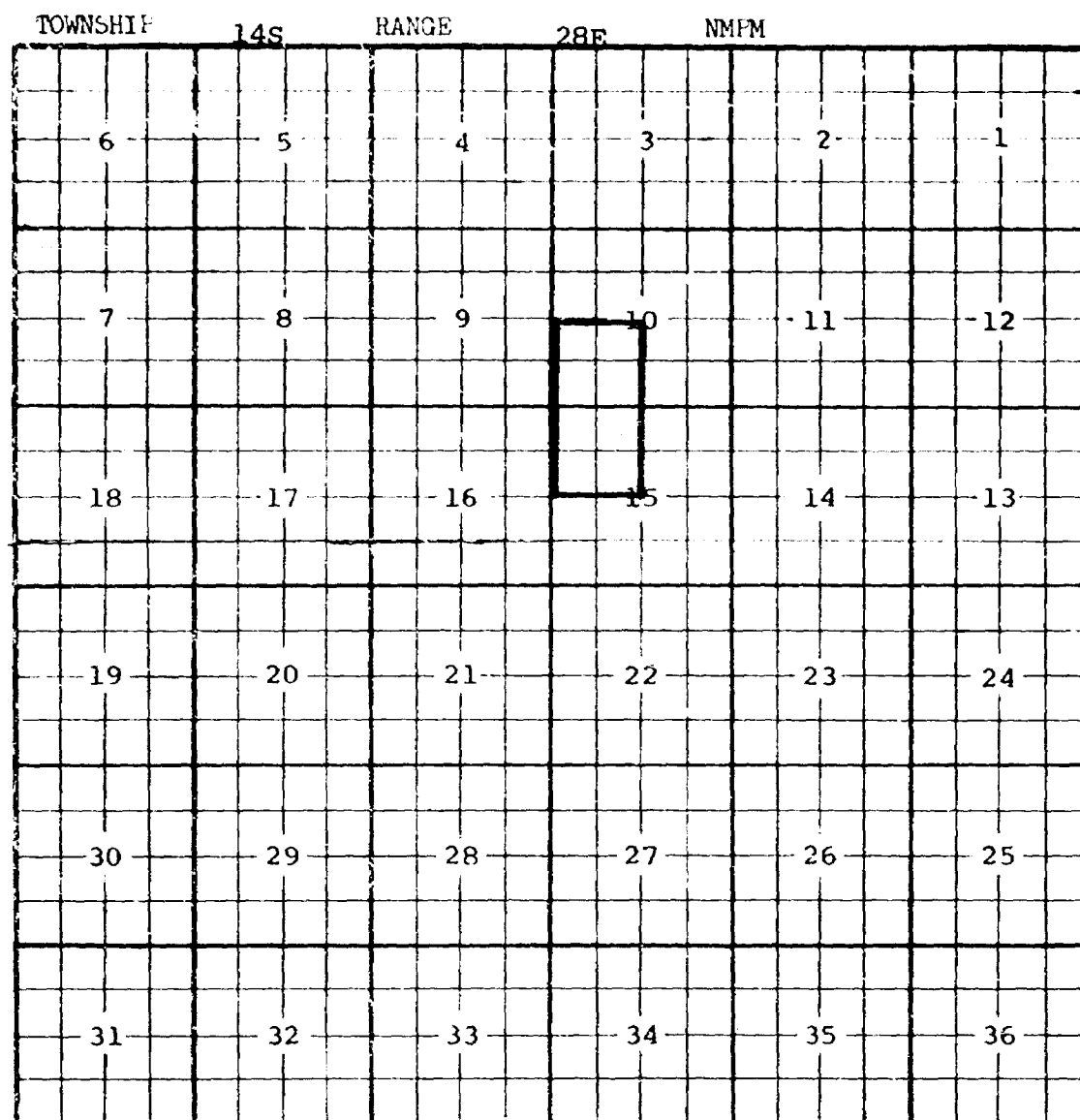
PURPOSE: One completed oil well capable of producing.

UNION OIL COMPANY OF CALIFORNIA - Midway State #1 in Unit F of Section 12-17-36. Completed in Devonian on December 22, 1968. Top of Perforations 11,476'.

Proposed pool boundary colored in red. SECTION 12: NW/4

CASE 4051: (e) CREATION OF A NEW GAS POOL

COUNTY CHAVES POOL Sams Ranch Grayburg-San Andres Gas



Purpose: Two completed gas wells capable of producing.

Discovery well: Midwest Oil Corp, Federal A well No.1 in Unit L of Section 10-14-28. Completed in Grayburg-San Andres Formation August 1, 1963, through perforations 1683' to 1777'.

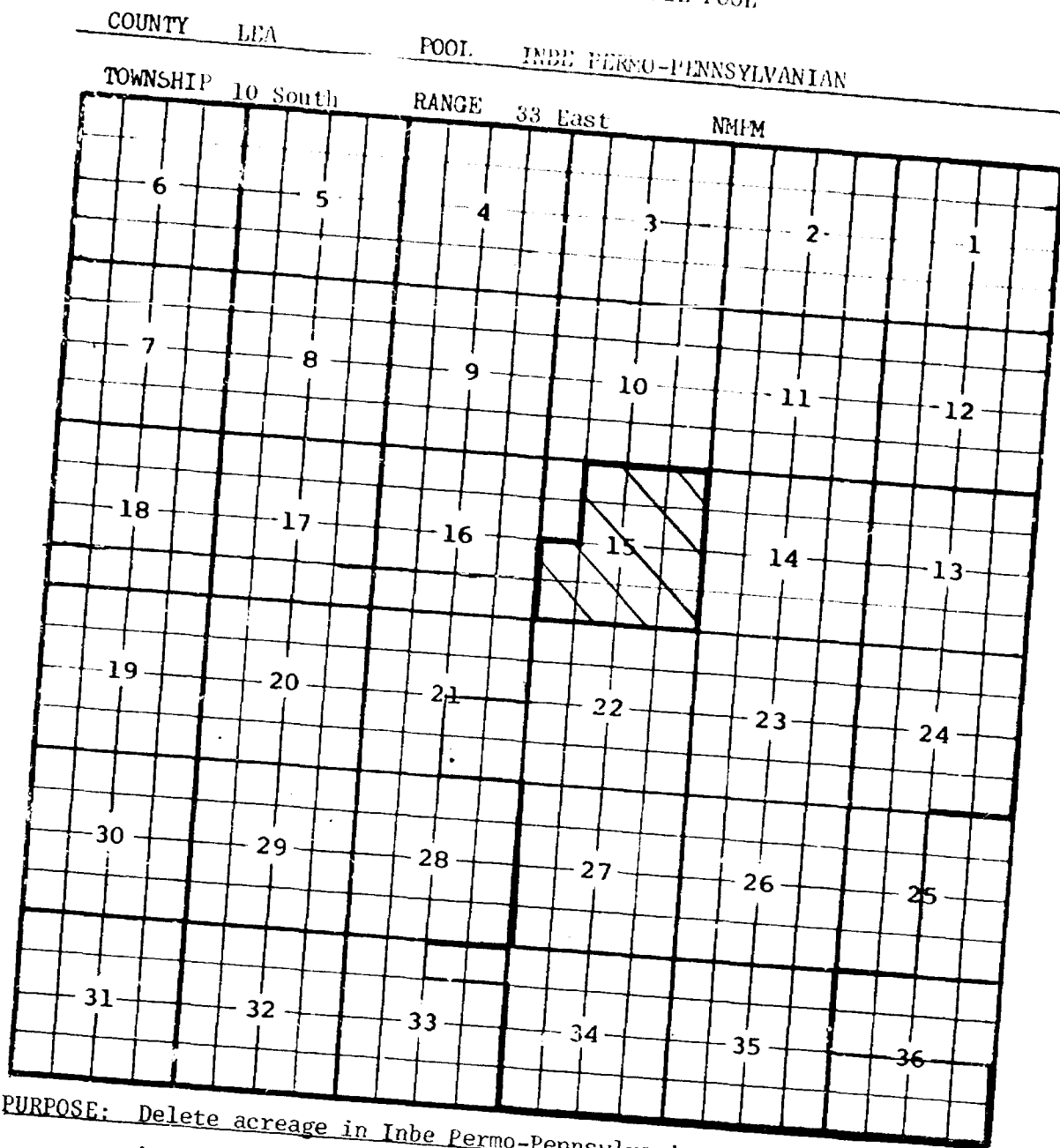
Hanson Oil Co. Honolulu Federal well No. 1 in unit C of Section 15-14-28. Completed in Grayburg formation December 12, 1967, through perforations 1720' to 1754'.

Proposed pool boundary colored in green.

Section 10: SW/4

Section 15: NW/4

CASE 4051: (F) DELETION OF AN EXISTING OIL POOL



PURPOSE: Delete acreage in Inbe Permo-Pennsylvanian Pool in order that  
it may be placed in the Vada-Pennsylvanian Pool.

Pool boundary colored in red.  
Proposed pool deletion colored in blue. SECTION 15: S/2, NE/4, and E/2 NW/4

TOWNSHIP 10 South RANGE 33 East NMPM

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a 6x6 grid, with the top row containing numbers 6, 5, 4, 3, 2, 1 and the bottom row containing numbers 31, 32, 33, 34, 35, 36. A 3x3 subgrid is highlighted with a thick border, covering the cells containing numbers 10, 11, 12, 15, 14, 13, 22, 23, and 24.

Proposed pool extension colored in green. SECTION 15: All



COUNTY	LEA	POOL	VADA-PENNSYLVANIAN							
TOWNSHIP	9 South	RANGE	33 East	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: As stated on preceding page, paragraph (g), Exhibit I.

ADDITION--MIDWEST OIL CORPORATION - Federal "D" #1 in Unit P of Section 25-9-33. Completed in Bough on January 6, 1969. Top of Perforations 9708'.

ADDITION--MIDWEST OIL CORPORATION - Cross #1 in Unit O of Section 35-9-33. Completed in Bough "C" on January 26, 1969. Top of Perforations 9676'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 25: SE/4

SECTION 35: SE/4

CASE 4051: (g) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY	LEA	POOL	VADA-PENNSYLVANIAN			
TOWNSHIP 9 South		RANGE	35 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: As stated on preceding page, paragraph (g), Exhibit I.

ADDITION--BTA OIL PRODUCERS - Katy 684 Ltd. #1 in Unit B of Section 5-9-35. Completed in Bough C on July 18, 1968. Depth to Casing Shoe 9758'.

ADDITION--BTA OIL PRODUCERS - Wolf 686 Ltd. #1 in Unit P of Section 6-9-35. Completed in Pennsylvanian on January 26, 1969. Top of Perforations 9770'.

ADDITION--TENNECO OIL COMPANY - S. E. Anderson #1 in Unit I of Section 8-9-35. Completed in Bough C on January 30, 1969. Top of Perforations 9837'.

ADDITION--TENNECO OIL COMPANY - Coll Federal Com #1 in Unit B of Section 8-9-35. Completed in Bough C on November 21, 1968. Top of Perforations 9804'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 5: E/2 and SW/4  
SECTION : SE/4; SECTION : N/2; SECTION 8: N/2 and SE/4

CASE 4051: (b) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY	LEA	POOL	BAUM-UPPER PENNSYLVANIAN		
TOWNSHIP	13 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: Two completed oil wells capable of producing.

COASTAL STATES GAS PRODUCING COMPANY - State "31" #2 in Unit H of Section 31-13-33. Completed in Upper Pennsylvanian on December 16, 1968. Top of Perforations 9760'.

ADDITION--COASTAL STATES GAS PRODUCING COMPANY - State "32" Com #2 in Unit C of Section 32-13-33. Completed in Upper Pennsylvanian on December 3, 1968. Top of Perforations 9850'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 31: NE/4

ADDITION--SECTION 32: NW/4

COUNTY	LEA	POOL	BANK-UPPER PENNSYLVANIAN		
TOWNSHIP	14 South	RANGE	32 East	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: As stated on preceding page, paragraph (b), Exhibit I.

ROBERT B. HOLT - Coastal States #1 in Unit O of Section 1-14-32. Completed in Bough "B" on November 21, 1968. Top of Perforations 9839'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 1: SE/4

CASE 4051: (b) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY		LEA	POOL		BAUM-UPPER PENNSYLVANIAN	
TOWNSHIP		14 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: As stated on preceding page, paragraph (h), Exhibit I.  
 ADDITION--MWL PRODUCING COMPANY - Baum B State #1 in Unit L of Section 4-  
 14-33. Completed in Upper Pennsylvanian on January 17, 1969.  
 Top of Perforations 9914'.

Pool boundary colored in red.  
 Proposed pool extension colored in green. SECTION 4: SW/4

CASE 4051: (i) EXTENSION OF AN EXISTING OIL POOL

COUNTY	EDDY	POOL	East Benson-Yates
TOWNSHIP	19S	RANGE	31E NM1M
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.

E.A.Culbertson and Wallace W. Irwin and Odessa Equipment Co. Inc.,  
Federal 18 well No.2 in unit K of Section 18-19S-31E. Completed in  
Yates formation October 17, 1968, through perforations 2246' to  
2264'.

Pool boundary colored in red.

Proposed extension colored in green. Section 18: N/2 SW/4

CASE 4051: (j) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY ROOSEVELT POOL EAST BLUITT-SAN ANDRES

TOWNSHIP 8 South RANGE 38 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.

FRANKLIN, ASTON & FAIR, INC. - Shaw Federal #1 in Unit L of Section 18-8-38. Completed in San Andres on December 11, 1968. Top of Perforations 4688'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 18: SW/4

CASE 4051: (j) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY	ROOSEVELT				POOL	EAST BLUITT-SAN ANDRES									
TOWNSHIP	8 South				RANGE	37 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: As stated on preceding page, paragraph (j), Exhibit I.

ADDITION--EUGENE E. NEARBURG - Baetz Federal #1 in Unit G of Section 13-  
8-37. Completed in San Andres on December 26, 1968. Top of  
Perforations 4649'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 13: NE/4



CASE 1051: ( )

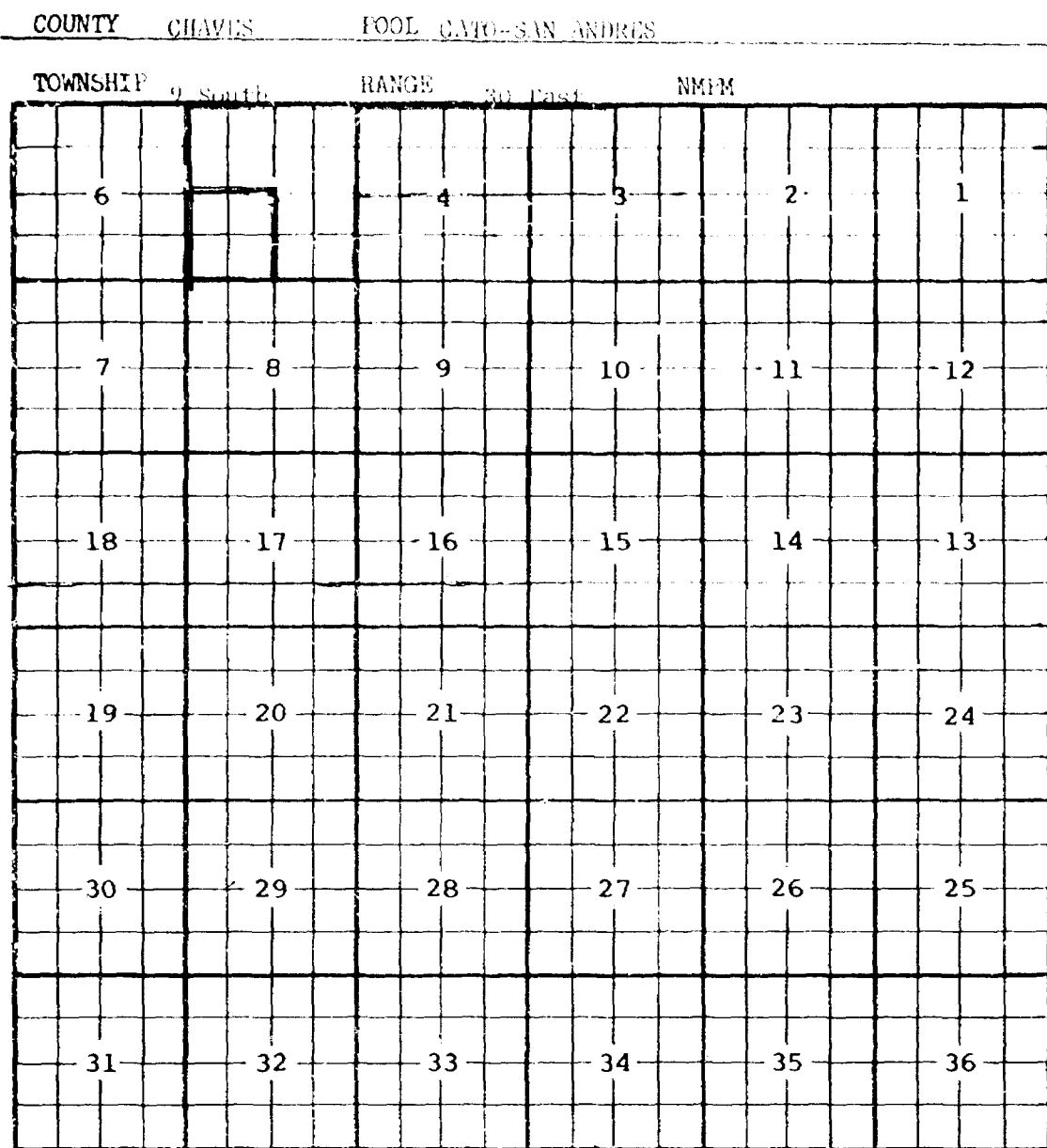
COUNTY RUSSELL

TOWNSHIP 2 SOUTH RANGE 12 EAST

	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.  
TEXAS PACIFIC OIL COMPANY - Bluff State Com #1 in Unit I of Section 32-  
7-37. Completed in Wolfcamp on August 31, 1967. Rep of Laboratories  
Inc.  
Pool boundary colored in red.  
Proposed pool extension colored in green.

CASE 4051: (1) EXTENSION OF AN EXISTING OIL POOL



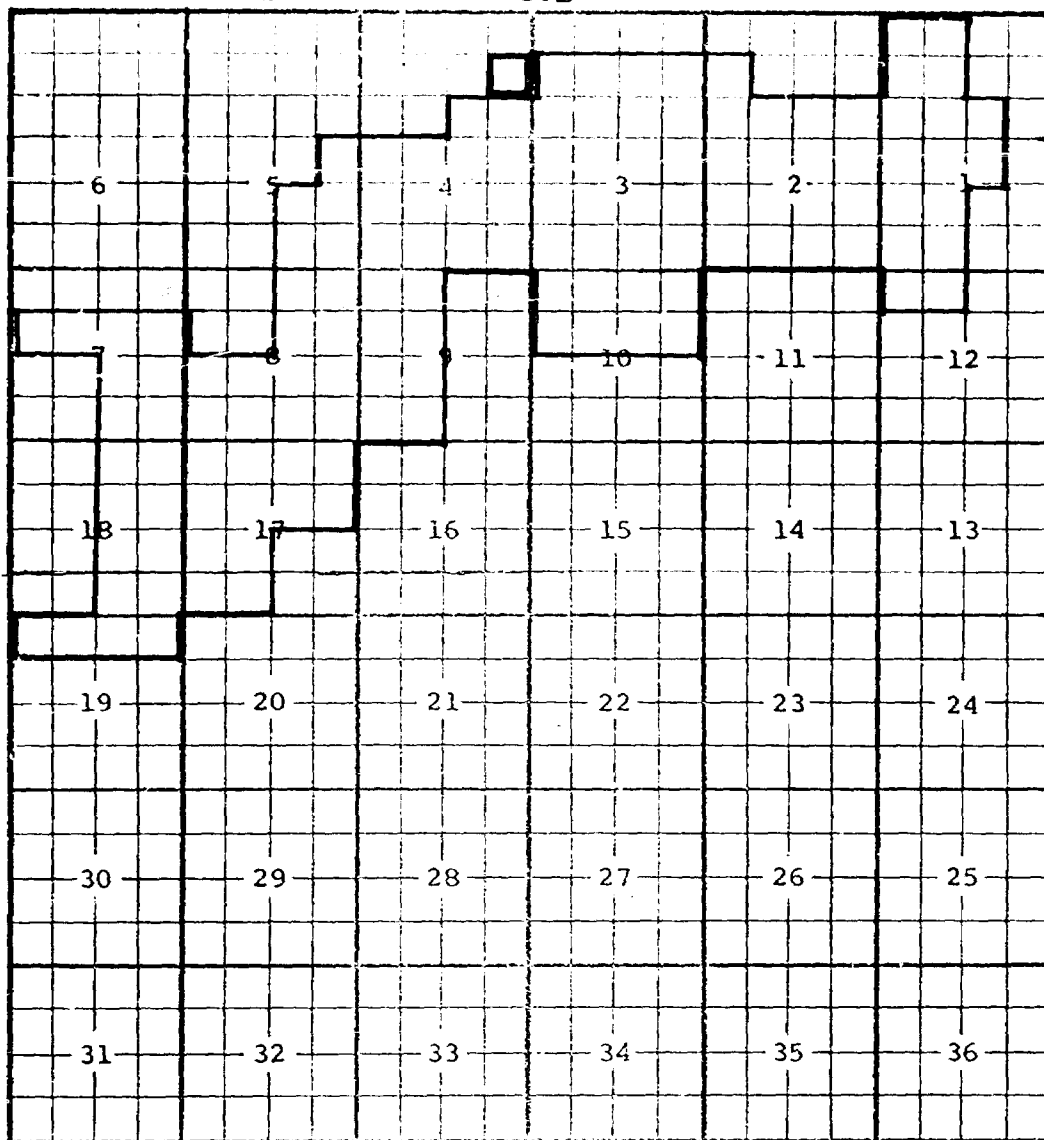
PURPOSE: One completed oil well capable of producing.

SHELL OIL COMPANY - N. H. McGrail #1 in Unit K of Section 5-9-30. Completed in San Andres on December 1, 1968. Top of Perforations 3282'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 5: SW/4

COUNTY EDDY POOL West Henshaw-Grayburg  
TOWNSHIP 16S RANGE 30E NMPM



Purpose: One completed gas well (in an oil pool) capable of producing.

Roy E. Kimsey, Jr. Richardson Oils Federal well No. 1 in unit H of Section 4-16-30. Completed in Grayburg October 21, 1968, through perforations 2760' to 2770'.

Pool boundary colored in red.

Proposed extension colored in green. Section 4: Lot 8

CASE 4051: (n) EXTENSION OF AN EXISTING GAS POOL

COUNTY EDDY POOL North Indian Hills-Morrow Gas  
TOWNSHIP 21S RANGE 24E NMPM

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

Purpose: Two completed gas wells capable of

Purpose: Two completed gas wells capable of producing.  
David Fasken, Indian Hill

David Fasken, Indian Hills Unit Well No.7 in unit F of Section 16-21-24. Completed in Morrow September 25, 1968, through perforations 9520' to 9780'.

David Fasken, Indian Hills Unit Gas Com. A well No. 6 in unit J of Section 17-21-24. Completed in Morrow October 1, 1968, through perforations 9839' to 9982'.

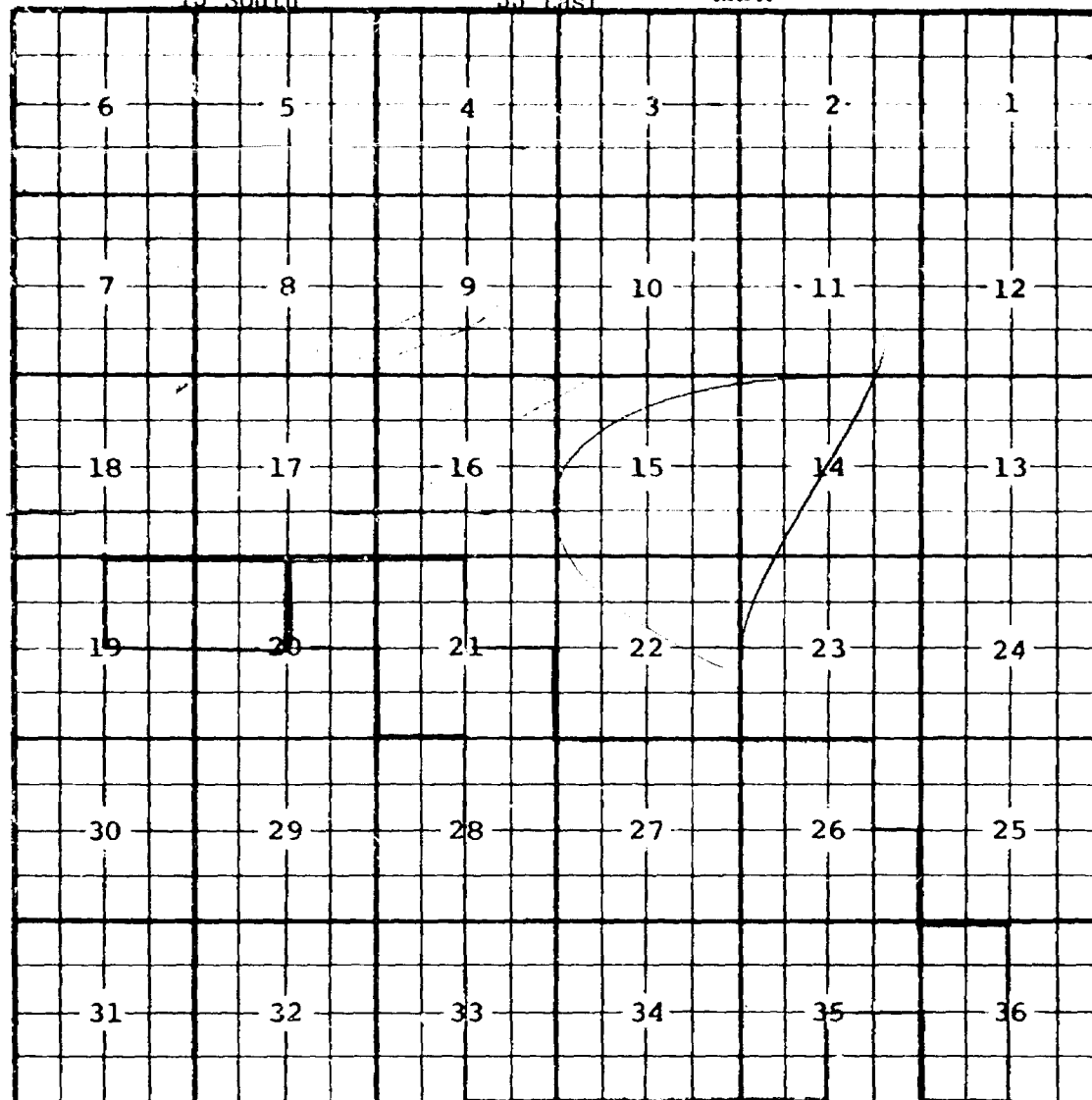
Pool boundary colored in red.  
Proposed extension

Proposed extensions colored in green. Section 8.16 & 17 All

CASE 4051: (a) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL LAZY J-PENNSYLVANIAN

TOWNSHIP 13 South RANGE 33 East NMPM



PURPOSE: Two completed oil wells capable of producing.

DELAWARE-APACHE CORPORATION - State "19" #2 in Unit A of Section 19-13-33.

Completed in Rough on December 25, 1968. Top of Perforations 9669'.

COASTAL STATES GAS PRODUCING COMPANY - Federal "20" #3 in Unit C of Sec-  
tion 20-13-33. Completed in Pennsylvania on December 17, 1968. Top of  
Perforations 9777'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 19: NE/4

SECTION 20: NW/4

TO BE DISMISSED BECAUSE SAID ACREAGE IS ALREADY IN NORTH BATH-UPPER  
PENNSYLVANIAN POOL.

CASE 4051: (p) EXTENSION OF AN EXISTING GAS POOL

COUNTY EDDY POOL McMillan-Morrow Gas

TOWNSHIP	20S	RANGE	27E	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 gas well capable of producing.

Sohio Petroleum Company, State 1-19 Com. well No.1 in unit F of Section 19-20-27. Completed in Morrow November 29, 1968, through perforations 10322' to 10405'.

Pool boundary colored in red.

Proposed extension colored in green. Section 19: All

CASE 4051: (q) EXTENSION OF AN EXISTING OIL POOL.

COUNTY LEA

POOL QUAIL-QUEEN

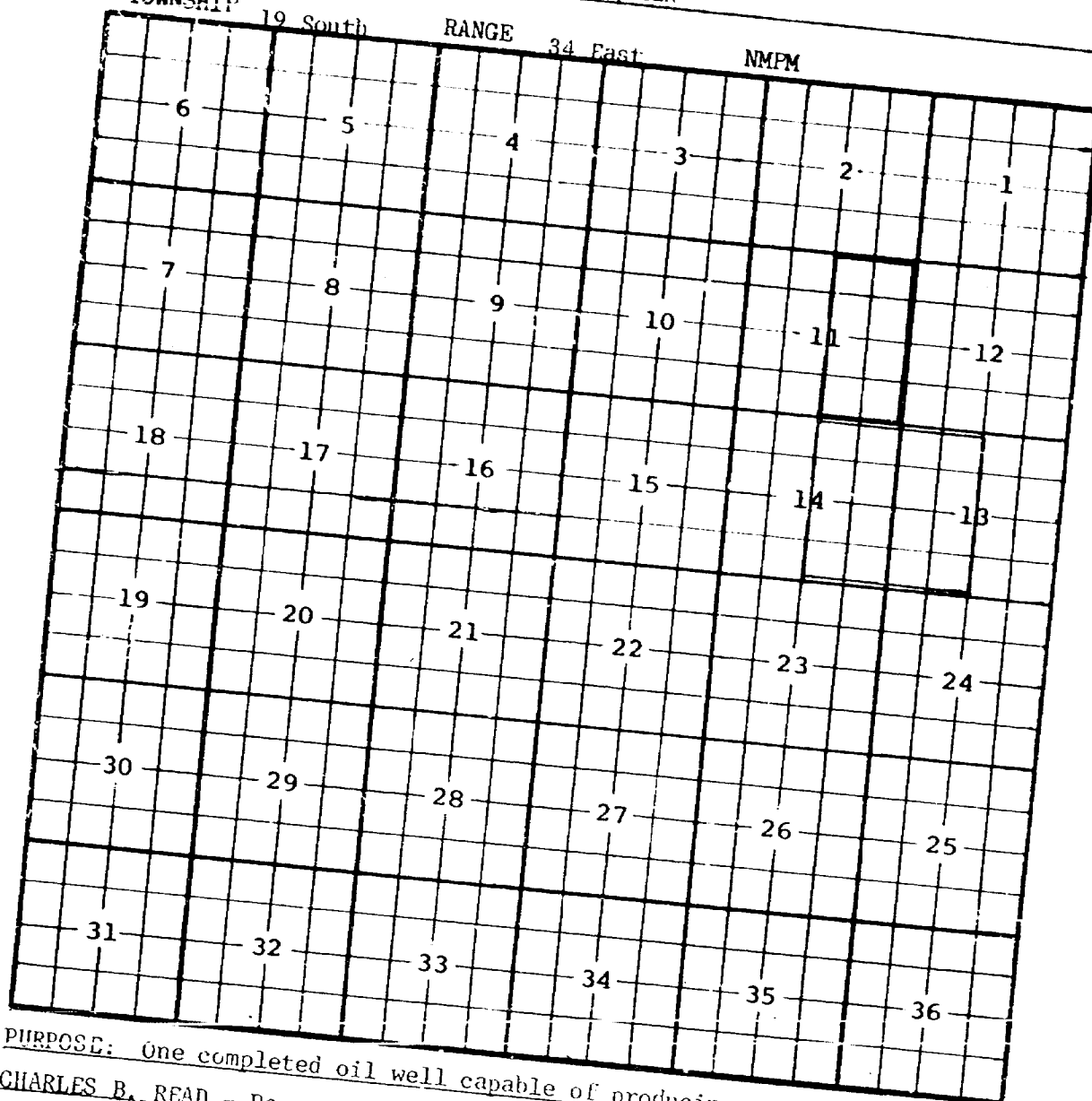
TOWNSHIP

19 South

RANGE

34 East

NMPM



PURPOSE: One completed oil well capable of producing.

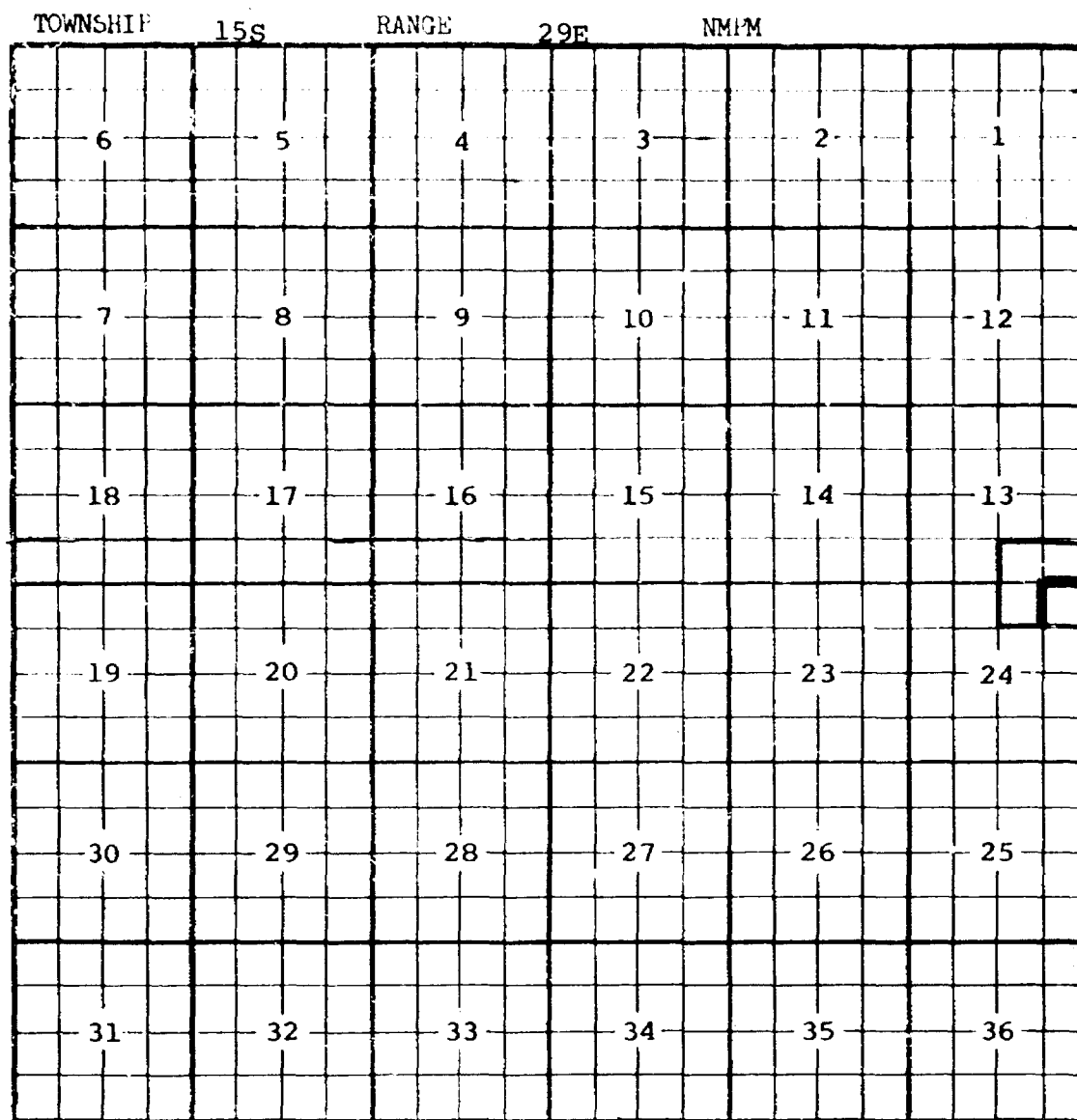
CHARLES B. READ - Pennzoil State #1 in Unit G of Section 11-19-34. Completed in Penrose on December 14, 1968. Top of Perforations 4992.5'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 11: E/2

CASE 4051: (r) EXTENSION OF AN EXISTING OIL POOL

COUNTY CHAVES POOL Sulimar-Queen



Purpose: Two completed oil wells capable of producing.

Jack L. McClellan, Lisa B Federal well No.3 in unit O of Section 13-15-29. Completed in Queen November 1, 1968, through perforations 2015' to 2032'.

Pan American Petroleum Corp., Smernoff Federal well No. 1 in unit B of Section 24-15-29. Completed in Queen September 30, 1968, through perforations 2003' to 2012'.

Pool boundary colored in red.

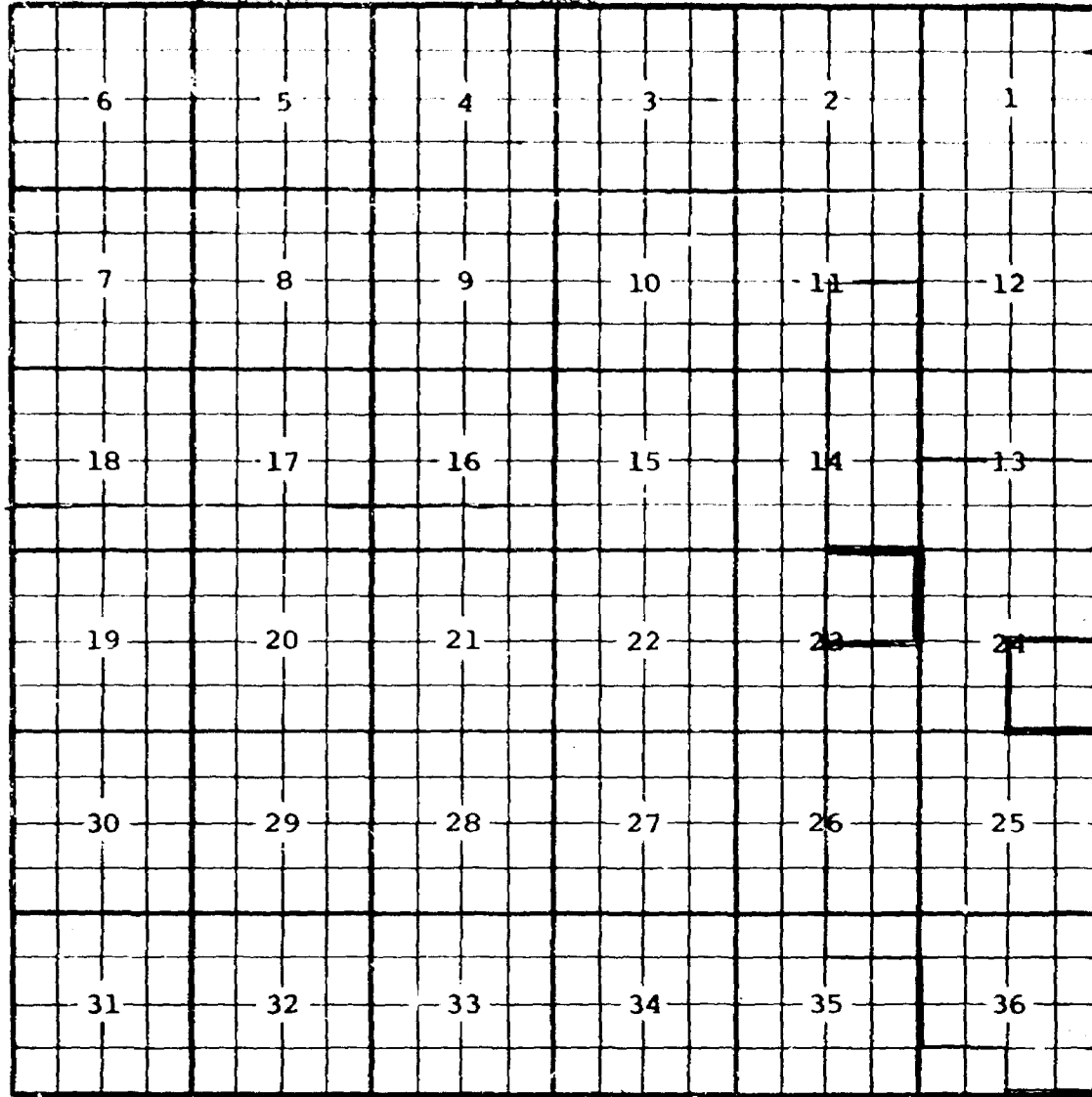
Proposed extensions colored in green. Section 13: S/2 SE/4  
Section 24: NW/4 NE/4



CASE 4051: (s) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA POOL NORTH VALUUM-A1X1

TOWNSHIP 17 South RANGE 34 East NMPM



PURPOSE: One completed oil well capable of producing.

MALLARD PETROLEUM, INC. - State "A" #1 in Unit J of Section 24-17-34.

Completed in Abo on November 30, 1968. Top of Perforations 8475'.

ADDITION--MOBIL OIL CORPORATION - Bridges State #128 in Unit H of Section 23-17-34. Completed in Abo on February 5, 1969. Top of Perforations 8473'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 24: SE/4

ADDITION--SECTION 23: NE/4

CASE 4051: (t) EXTENSION OF VERTICAL LIMITS OF AN EXISTING OIL POOL

COUNTY	LEA	POOL	NORTH BAUM-UPPER PENNSYLVANIAN												
TOWNSHIP	13 South	RANGE	33 East	IMFM											
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: Extend the vertical limits of said pool in order to include all  
of the Upper Pennsylvanian formation in the interval from 9554  
feet to 9814 feet. Type Log: Coastal States Gas Producing  
Company's Federal "20" #2 in Unit N of Section 20-13-33.

Pool boundary colored in red.

DOCKET: REGULAR HEARING - WEDNESDAY - FEBRUARY 19, 1969

OIL CONSERVATION COMMISSION - 8:30 A. M. - MORGAN HALL, STATE LAND OFFICE  
BUILDING, SANTA FE, NEW MEXICO

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- ALLOWABLE: (1) Consideration of the oil allowable for March, 1969;
- (2) Consideration of the allowable production of gas for March, 1969, 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.

CASE 3834: (Reopened):

In the matter of Case No. 3834 being reopened pursuant to the provisions of Order No. R-3479, which order suspended for a period of one year beginning August 1, 1968, certain portions of Rules 14 (A) and 15 (A) of the General Rules and Regulations for the prorated gas pools of Northwest New Mexico, promulgated by Order No. R-1670, as amended. All interested parties may appear and show why said Order No. R-3479 should or should not be rescinded.

CASE 3996 (Continued from the January 15, 1969, Regular Hearing)

Application of Martin Yates, III, for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's Cordie King Well No. 1 located in Unit L of Section 22, Township 23 South, Range 26 East, Kark Canyon (Delaware) Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the aforesaid quarter-quarter section.

CASE 4026 (Continued from the January 15, 1969, Regular Hearing)

Application of Fred Pool Drilling Company for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's leases located in Sections 8 and 9, Township 25 South, Range 30 East, Corral Canyon-Delaware Pool, Eddy

(Case 4026 continued)

County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in three unlined surface pits located in the SW/4 NW/4 and the SE/4 SE/4 of said Section 8, and the SW/4 SW/4 of said Section 9.

- CASE 4027: (Continued from the January 15, 1969, Regular Hearing)  
Application of MacDonald Oil Corporation for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's Sinclair Parke Well No. 1 located in Unit F of Section 22, Township 17 South, Range 30 East, Jackson Abo Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the aforesaid Unit F.
- CASE 4046: Application of Texaco, Inc., for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's New Mexico State CR Lease located in Section 32, Township 19 South, Range 32 East, Lusk Field, Lea County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in Unit F of said Section 32. In the alternative, applicant seeks the extension of that area excepted from the provisions of Order (3) of said Order No. R-3221 by Order No. R-3221-B to include the aforesaid Section 32.
- CASE 4047: Application of Larry C. Squires for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would authorize the applicant to dispose of produced salt water into three natural salt lakes located in Lea County, New Mexico, as follows:

(Continued Case 4047:)

Laguna Plata, sometimes referred to as Laguna Grande located in Sections 2, 3, 9, 10, and 11, Township 20 South, Range 32 East;

Laguna Gatuna, sometimes referred to as Salt Lake, located in Sections 7, 17, 18, 19, and 20, Township 20 South, Range 33 East;

Laguna Tonto, located in Sections 32 and 33, Township 19 South, Range 33 East, and Section 4, Township 20 South, Range 33 East.

**CASE 4048:** Application of C. W. Trainer for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's leases located in Section 24, Township 19 South, Range 33 East and in Sections 19, 20, 29, 30, Township 19 South, Range 34 East, undesignated Queen pool, Lea County, New Mexico. Applicant seeks authority to dispose of salt water produced by wells completed on said leases in unlined surface pits on said leases.

**CASE 3993: (De Novo)**

Application of Coastal States Gas Producing Company for the creation of a new pool and for special pool rules, Lea County, New Mexico.

Applicant, in the above-styled cause, seeks the creation of a new Pennsylvanian oil pool to be designated the North Baum-Upper Pennsylvanian Pool comprising the following-described lands:

TOWNSHIP 13 SOUTH, RANGE 33 EAST, Lea County, N.Mex.  
Section 19: E/2  
Section 20: NW/4 and S/2  
Section 21: SW/4

and for the promulgation of temporary special rules therefor, including a provision for 160-acre spacing and proration units and the assignment of 80-acre allowables.

Applicant further seeks the contraction of the Lazy J-Pennsylvanian Pool by the deletion from said pool of the E/2 of Section 20 and the W/2 of Section 21, both in the aforesaid Township and Range.

(Case 3993 continued)

Upon application of Max W. Coll, II, this case will be heard De Novo under the provisions of Rule 1220.

CASE 4049: Application of Standard Oil Company of Texas for an exception to Order No. R-3221, as amended, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January, 1969. Said exception would be for the applicant's wells located in Section 5, Township 24 South, Range 38 East, and in Section 32, Township 23 South, Range 38 East, Stateline-Ellenburger Pool, Lea County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined surface pit located in the NE/4 of said Section 5.

CASE 4050: Application of Texaco Inc. for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221, as amended, which order prohibits the disposal of water produced in conjunction with the production of oil or gas on the surface of the ground in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico, after January 1, 1969. Said exception would be for the applicant's T. W. Heflin Federal Well No. 1 located in Unit O of Section 24, Township 23 South, Range 31 East, Cotton Draw Brushy Canyon Pool, Eddy County, New Mexico. Applicant seeks authority to continue to dispose of produced salt water in an unlined pit located in said Unit O.

CASE 4051: Southeastern nomenclature case calling for an order for the creation, extension, and contraction of certain pools in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico:

(a) Create a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production and designated as the Revelation-Delaware Pool comprising the following:

TOWNSHIP 22 SOUTH, RANGE 25 EAST, NMPM  
Section 18: NW/4 SE/4

Further, for the assignment of approximately 18,120 barrels of oil discovery allowable to the discovery well Marathon

(Case 4051 continued)

Oil Company's Miller Ranch Unit Well No. 1, located in Unit J of said Section 18.

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for San Andres Production and designated as the West Sawyer-San Andres Pool comprising the following:

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM  
Section 33: SW/4 SW/4

Further, for the assignment of approximately 24,720 barrels of oil discovery allowable to the discovery well Coastal States Gas Producing Company's Santa Fe Well No. 1, located in Unit M of said Section 33.

(c) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Cisco production and designated as the Fordinkus-Cisco Gas Pool. The discovery well is Charles B. Read's Anderson State Well 1 Y, located in Unit G of Section 14, Township 18 South, Range 24 East. Said pool should comprise:

TOWNSHIP 18 SOUTH, RANGE 24 EAST, NMPM  
Section 14: E/2

(d) Create a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the Midway-Devonian Pool. The discovery well is Union Oil Company of California's Midway State Well No. 1, located in Unit F of Section 12, Township 17 South, Range 36 East, NMPM. Said pool should comprise:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM  
Section 12: NW/4

(e) Create a new pool in Chaves County, New Mexico, classified as a gas pool for Grayburg-San Andres production and designated as the Sams Ranch Grayburg-San Andres Gas Pool. The discovery well is Midwest Oil Corporation Federal A No. 1 located in Unit L of Section 10, Township 14 South, Range 28 East, NMPM. Said pool should comprise:

TOWNSHIP 14 SOUTH, RANGE 28 EAST, NMPM  
Section 10: SW/4  
Section 15: NW/4

(f) Contract the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
Section 15: S/2, NE/4, and E/2 NW/4

(g) Extend the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
Section 15: All

(h) Extend the Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
Section 31: NE/4

TOWNSHIP 14 SOUTH, RANGE 32 EAST, NMPM  
Section 1: SE/4

(i) Extend the East Benson-Yates Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM  
Section 18: N/2 SW/4

(j) Extend the East Bluitt-San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM  
Section 18: SW/4

(k) Extend the Bluitt-Wolfcamp Gas Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 37 EAST, NMPM  
Section 32: E/2

(l) Extend the Cato-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM  
Section 5: SW/4



Regular Hearing-February 19, 1969

Docket No. 5-69

(m) Extend the West Henshaw-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM  
Section 4: Lot 8

(n) Extend the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM  
Section 8: All  
Section 16: All  
Section 17: All

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

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
Section 19: NE/4  
Section 20: NW/4

*D. J. ...*  
(p) Extend the McMillan-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM  
Section 19: All

(q) Extend the Quail-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
Section 11: E/2

(r) Extend the Sulimar-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM  
Section 13: S/2 SE/4  
Section 24: NW/4 NE/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: SE/4

(t) Extend the vertical limits of the North Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include all of the Upper Pennsylvanian formation in the interval from 9554 feet to 9814 feet on the log of the Coastal States Federal "20" Well No. 2, located in Unit N of Section 20, Township 13 South, Range 33 East, NMPM.



# OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO  
P. O. BOX 1980 - HOBBS

February 7, 1949

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN

LAND COMMISSIONER  
ALEX ARMijo  
MEMBER

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

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

Dear Dan:

I recommend that the Coastal States Producing Company Santa Fe Well No. 1, located in the SW/4 SW/4 of Section 33, T9S, R37E be granted a discovery allowable.

(1) Their application for a discovery allowable is in good order with all required exhibits.

(2) This discovery is located on a structural high with the nearest production being  $3\frac{1}{2}$  miles away on another structure. The producing formation is San Andres.

I also recommend that the Union Oil Company of California Midway State Well No. 1, which is located in Unit F of Section 12, T17S, R36E be granted a discovery allowable for Devonian production.

(1) Their application for a discovery allowable is complete with all required exhibits.

(2) This discovery is located  $2\frac{3}{4}$  miles from the nearest production. The structure of the new reservoir is unknown due to lack of control to contour a map of the immediate area.

I will place both of these discoveries on the nomenclature advertisement list this month for the regular nomenclature hearing in March unless you have any objections.

Very truly yours,

OIL CONSERVATION COMMISSION

*John W. Runyan*  
John W. Runyan  
Geologist, District I

JWR:fd

*File  
February 11/49  
Nomenclature  
(SE N.M.)*

*See  
Nomenclature  
Feb  
reg.*

*on  
Feb  
Nomenclature  
with  
discovery  
it is also  
checked in  
N.M. 4069  
on 1/16/49*

NOMENCLATURE ADVERTISEMENT FOR FEBRUARY, 1969

CASE 451

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 Chaves, Eddy, and Lea Counties, New Mexico, the contraction of an existing pool in Lea County, New Mexico, and the extension of certain existing pools in Chaves, Eddy, Lea, and Roosevelt 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, contractions, and extensions should not be made.

a)  
Revelation  
Delaware

~~Fordinkas~~ ~~Anderson~~ - Cisco

e) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Cisco production and designated as the ~~4-Dinkas-Cisco~~ Gas Pool. The discovery well is Charles B. Read, Anderson State No. 1Y located in Unit G of Section 14, Township 18 South, Range 24 East, NMPM. Said pool described as:

b)  
W. Sawyer  
San Andres

✓ TOWNSHIP 18 SOUTH, RANGE 24 EAST, NMPM  
SECTION 14: E/2

d) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the Midway-Devonian Pool. The discovery well is Union Oil Company of California, Midway State No. 1 located in Unit F of Section 12, Township 17 South, Range 36 East, NMPM. Said pool described as:

✓ TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM  
SECTION 12: NW/4

c) CREATE A new pool in Chaves County, New Mexico, classified as a gas pool for Grayburg-San Andres production and designated as the Sams Ranch Grayburg-San Andres Gas Pool. The discovery well is Midwest Oil Corporation, Federal A No. 1 located in Unit L of Section 10, Township 14 South, Range 28 East, NMPM. Said pool described as:

✓ TOWNSHIP 14 SOUTH, RANGE 28 EAST, NMPM  
SECTION 10: SW/4  
SECTION 15: NW/4

f) CONTRACT the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

insert

✓ TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
SECTION 15: S/2, NE/4 and E/2 NW/4

(g)

h) EXTEND the Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
SECTION 31: NE/4

✓ TOWNSHIP 14 SOUTH, RANGE 32 EAST, NMPM  
SECTION 1: SE/4

i) EXTEND the East Benson-Yates Pool in Eddy County, New Mexico, to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM  
SECTION 18: N/2 SW/4

February, 1969 Nomenclature

- j \* g) EXTEND the East Bluitt-San Andres Pool in Roosevelt County, New Mexico, to include therein:  
✓ TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM  
SECTION 18: SW/4
- k i h) EXTEND the Bluitt-Wolfcamp Gas Pool in Roosevelt County, New Mexico, to include therein:  
✓ TOWNSHIP 7 SOUTH, RANGE 37 EAST, NMPM  
SECTION 32: E/2
- l j i) EXTEND the Cato-San Andres Pool in Chaves County, New Mexico, to include therein:  
✓ TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM  
SECTION 5: SW/4
- m k j) EXTEND the West Henshaw-Grayburg Pool in Eddy County, New Mexico, to include therein:  
✓ TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM  
SECTION 4: Lot 8
- n l i) EXTEND the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, to include therein:  
TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM  
✓ SECTION 8: All  
SECTION 16: All  
SECTION 17: All
- o j i) EXTEND the Lazy J-Pennsylvanian Pool in Lea County, New Mexico, to include therein:  
✓ TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
SECTION 19: NE/4  
SECTION 20: NW/4
- p h i) EXTEND the McMillan-Morrow Gas Pool in Eddy County, New Mexico, to include therein:  
✓ TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM  
SECTION 19: All
- q o i) EXTEND the Quail-Queen Pool in Lea County, New Mexico, to include therein:  
✓ TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
SECTION 11: E/2
- r p i) EXTEND the Sulimar-Queen Pool in Chaves County, New Mexico, to include therein:  
TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM  
✓ SECTION 13: S/2 SE/4  
SECTION 24: NW/4 NE/4

February, 1969 Nomenclature

**S F** P) EXTEND the North Vacuum-Abo Pool in Lea County, New Mexico, to include therein:

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

g) ~~the~~ P) EXTEND the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

*insert*

*on front page*

✓ TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
SECTION 15: All

k) ✓ P) Extend the vertical limits of the North Basin -  
Upper Pennsylvanian Pool in Lea County,  
New Mexico, to include all of the Upper Pennsylvanian  
formation in the interval from  
9554 feet to 9814 feet on the log of the  
Coastal States Federal "20" well No 2, located  
in Unit N of Section 20, Township 13  
South, Range 33 East, NMPM.

COASTAL STATES GAS PRODUCING COMPANY  
NORTH TEXAS DIVISION  
WILCO BUILDING  
MIDLAND, TEXAS  
79701

January 22, 1969

JAN 30 1969

New Mexico Oil Conservation Commission  
P. O. Box 1980  
Hobbs, New Mexico

Case 4057

Attention: Mr. Joe D. Ramey

Re: Discovery Allowable  
Santa Fe Well No. 1  
Lea County, New Mexico

Gentlemen:

Attached is Form C-109 requesting discovery allowable for the Coastal States' Santa Fe No. 1 located in the SW/4 of the SW/4 of Section 33, T-9-S, R-37-E, Lea County, New Mexico.

Also attached is a land plat and a structure map of the area.

The nearest comparable production is in the Sawyer (San Andres) Field approximately three and one-half miles northeast of the subject well. The production from the Sawyer Field is gas while the production from the Coastal States' Santa Fe No. 1 is 20 gravity crude. The two fields are separated by a deep trough approximately 100 feet lower than either field.

The productive zone is shown on the attached log from the subject well.

If any additional information is needed, please advise.

Very truly yours,

By  
JRD

Joe R. Howard  
Division Production Superintendent

JRH:JRMCG:lo  
Attachments

cc: New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico w/attachments

W. D. Elliott w/attachments

# Memo

From  
D. S. NUTTER  
CHIEF ENGINEER

To

Went Sawyer - San  
Antonio

SW 1/4 60/4 23 93 27E  
Kew County

Discovery allowance  
24,723 shs.



NOMENCLATURE ADVERTISEMENT FOR FEBRUARY, 1969

CASE 4051

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 Chaves, Eddy, and Lea Counties, New Mexico, the contraction of an existing pool in Lea County, New Mexico, and the extension of certain existing pools in Chaves, Eddy, Lea, and Roosevelt 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, contractions, and extensions should not be made.

a) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Cisco production and designated as the 4 Dinkus-Cisco Gas Pool. The discovery well is Charles B. Read, Anderson State No. 1Y located in Unit G of Section 14, Township 18 South, Range 24 East, NMPM. Said pool described as:

TOWNSHIP 18 SOUTH, RANGE 24 EAST, NMPM  
SECTION 14: E/2

b) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the Midway-Devonian Pool. The discovery well is Union Oil Company of California, Midway State No. 1 located in Unit F of Section 12, Township 17 South, Range 36 East, NMPM. Said pool described as:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM  
SECTION 12: NW/4

c) CREATE A new pool in Chaves County, New Mexico, classified as a gas pool for Grayburg-San Andres production and designated as the Sams Ranch Grayburg-San Andres Gas Pool. The discovery well is Midwest Oil Corporation, Federal A No. 1 located in Unit L of Section 10, Township 14 South, Range 28 East, NMPM. Said pool described as:

TOWNSHIP 14 SOUTH, RANGE 28 EAST, NMPM  
SECTION 10: SW/4  
SECTION 15: NW/4

d) CONTRACT the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
SECTION 15: S/2, NE/4 and E/2 NW/4

e) EXTEND the Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
SECTION 31: NE/4

TOWNSHIP 14 SOUTH, RANGE 32 EAST, NMPM  
SECTION 1: SE/4

f) EXTEND the East Benson-Yates Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM  
SECTION 18: N/2 SW/4

- g) EXTEND the East Bluit-San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM  
SECTION 18: SW/4

- h) EXTEND the Bluit-Wolfcamp Gas Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 37 EAST, NMPM  
SECTION 32: E/2

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

TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM  
SECTION 5: SW/4

- j) EXTEND the West Henshaw-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM  
SECTION 4: Lot 8

- k) EXTEND the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM  
SECTION 8: All  
SECTION 16: All  
SECTION 17: All

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

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
SECTION 19: NE/4  
SECTION 20: NW/4

- m) EXTEND the McMillan-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM  
SECTION 19: All

- n) EXTEND the Quail-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM  
SECTION 11: E/2

- o) EXTEND the Sulimar-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM  
SECTION 13: S/2 SE/4  
SECTION 24: NW/4 NE/4

-3-

February, 1969 Nonenclature

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

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

q) EXTEND the Vada-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
SECTION 15: All



MARATHON OIL COMPANY

PRODUCTION - UNITED STATES AND CANADA

P. O. BOX 552  
MIDLAND, TEXAS 79701  
January 27, 1969

New Mexico Oil Conservation Commission  
Drawer 00  
Artesia, New Mexico 88210

Attention: Mr. W. A. Gressett

Gentlemen:

Application for Discovery Allowable  
And Creation of New Pool  
Marathon Oil Company  
Miller Ranch Unit No. 1, Undesignated  
Delaware Sand Oil Pool  
Eddy County, New Mexico

We respectfully submit in accordance with Statewide Rule 509 two copies of Form C-109, Application for Discovery Allowable and Creation of a New Pool, for Marathon Oil Company's Miller Ranch Unit No. 1, a Delaware Sand oil discovery, Eddy County, New Mexico. This well is located 1680' from the south line and 1980' from the east line of Section 18, T-22-S, R-25-E.

In support of the application we are enclosing the following:

- (1) A map depicting all wells within a two mile radius of the discovery well.
- (2) A complete electrical log of the subject well with the top and bottom of the producing formation identified.
- (3) A geological cross-section of the subject well and near-by wells.

The geological cross-section consists of only three wells (subject well and two dry holes) in the immediate area. The nearest comparable Delaware Sand oil production is found in the Dark Canyon (Delaware) Pool located approximately 11 miles southeast of Marathon's Miller Ranch Unit No. 1.

DOCKET MARKED

Date \_\_\_\_\_

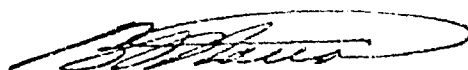
Production from the Dark Canyon (Delaware) Pool is obtained from one well, Martin Yates III Cordie King No. 1, located in Unit L, Section 22, T-23-S, R-26-E. There are no logs available on this well, therefore we have not extended our geologic cross-section to include this well.

Since the subject well is a wildcat, and only recently placed on production, very little reservoir data is available. Form C-124, Reservoir Pressure Report, for this well was submitted on January 21, 1969. The measured static reservoir pressure was 1079 psig at a datum of +179', with a recorded reservoir temperature of 92°F.

Marathon Oil Company respectfully requests that you give this application your kind consideration.

Respectfully submitted,

MARATHON OIL COMPANY



B. G. Howard  
District Operations Manager

BGH:mc  
Attachments

cc: Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501  
Attention Mr. A. L. Porter, Jr. ✓

Offset Operators  
(Shown on Form C-109)

Mr. John Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 1857  
Roswell, New Mexico 88201

## APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL

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.

*Case 4051*

Operator <b>Marathon Oil Company</b>		Address <b>P. O. Box 220, Hobbs, New Mexico</b>	
Lease Name <b>Miller Ranch Unit</b>		Well No. <b>1</b>	County <b>Eddy</b>
Well Location Unit Letter: <b>J</b> <b>1630</b> Feet from The <b>South</b> Line and <b>1980</b> Feet From the <b>East</b> Line of Section <b>18</b> Township <b>22 South</b> Range <b>25 East</b> NMPM			
Suggested Pool Names (List in order of preference) 1. <b>REVELATION</b> 2.      3.			
Name of Producing Formation <b>Delaware Sand</b>		Perforations <b>3624' to 3636'</b>	Date of Filing Form C-104 <b>1-20-69</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>10-30-68</b>
			Date Compl. Ready to Prod. <b>12-14-68</b>
Total Depth <b>8135'</b>	Plugged Back Depth <b>3678'</b>	Depth Casing Shoe <b>3735'</b>	Tubing Depth <b>3586'</b>
		Elevation (Gr., DF, RKB, RT, etc.) <b>RKB 3809'</b>	
Oil Well Potential (Test to be taken only after all load oil has been recovered) <b>163</b> Bbls. Oil Per Day Based On <b>163</b> Bbls In <b>24</b> Hours; <b>18</b> Bbls Water Per Day Based On <b>18</b> Bbls In <b>24</b> Hours; Gas Production During Test: <b>194</b> MCF; Gas-Oil Ratio: <b>1190</b> Method Of Producing: <b>Flow</b> Chk. Size: <b>16/64"</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>Rock Tank</b>	Name of Producing Formation <b>Lower Morrow</b>	Top of Pay <b>10,406</b>	Bottom of Pay <b>10,438</b>	Currently Producing? <b>SI Gas Well</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool <b>4 miles South</b>		Vertical Distance from Subject Discovery Zone to Producing Interval this Pool <b>6769'</b>		

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

Pool Name <b>Dark Canyon Delaware</b>	Top of Pay <b>1870</b>	Bottom of Pay <b>1381</b>	Currently Producing? <b>Yes</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool <b>11 miles Southeast</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>1962</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>18.12</b>
---	--	--

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

NAME	ADDRESS
Cities Service Oil Company	P. O. Box 69, Hobbs, New Mexico 88240
Gulf Oil Corporation	P. O. Box 1938, Roswell, New Mexico 88201
John R. Kennedy	1010 West 4th, Roswell, New Mexico 88201
Phillips Petroleum Company	P. O. Box 791, Midland, Texas 79701
Kelly Bell	1411 Wilco Building, 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:

Above operators were furnished a copy of this application on January 27, 1969

## 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 Operations Manager

January 27, 1969

Position

Date

NEW MEXICO 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 out by the operator of the well with the provisions of Rule 507.  
If discovery is claimed for more than one well, separate forms must be filed for each.

Operator <b>Marathon Oil Company</b>		P. O. Box 220, Hobbs, New Mexico	
Lease Name <b>Miller Ranch Unit</b>		1 Eddy	
Well Location			
Unit Letter <b>J</b>	1680	South	1980 Feet
From the <b>East</b>	18	22 South	25 East NMPM
Suggested Pool Names (List in order of preference)			
1. <b>REVELATION</b>			
Name of Producing Formation <b>Delaware Sand</b>		Date of Filing Form C-104 <b>1-20-69</b>	
Was "Affidavit of Discovery" Previously Filed? <b>No</b>		Date Well was Spudded <b>10-30-68</b>	
For This Well in this Pool?		Date Compl. Ready to Prod. <b>12-14-68</b>	
Total Depth <b>8135'</b>	Plugged Back Depth <b>3678'</b>	Depth casing shoe <b>3735'</b>	Elevation (Gr., DF, RKB, RT, etc.) <b>RKB 3809'</b>
Oil Well Potential (Test to be taken only after oil load oil has been recovered)			
<b>163</b> Bbls. Oil Per Day Based On	<b>163</b>	<b>24</b>	<b>18</b> Bbls. Water Per Day Based On
In <b>24</b> Hours Gas Production Based On Test	<b>194</b>	<b>1190</b>	Method of Production <b>Flow</b> Chk. Size <b>16/64"</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>Rock Tank</b>	Name of Producing Formation <b>Lower Morrow</b>	Top of Pay <b>10,406</b>	Bottom of Pay <b>10,438</b>	Currently Producing? <b>SI Gas Well</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool <b>4 miles South</b>		Vertical Distance from Subject Discovery Zone to Producing Interval this Pool <b>6769'</b>		

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

Pool Name <b>Dark Canyon Delaware</b>	Top of Pay <b>1870</b>	Bottom of Pay <b>1881</b>	Currently Producing? <b>Yes</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool <b>11 miles Southeast</b>			

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

RECEIVED

JAN 28 1969

Is the Subject Well Multiple Completion? <b>No</b>	Is Discovery Allowable Requested for this Well? <b>No</b>	If Yes, Name of Both Formations
O. C. C. ARTEBIA, OFFICE		

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

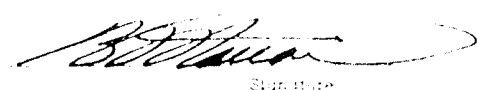
NAME	ADDRESS
Cities Service Oil Company	P. O. Box 69, Hobbs, New Mexico 88240
Gulf Oil Corporation	P. O. Box 1938, Roswell, New Mexico 88201
John R. Kennedy	1010 West 4th, Roswell, New Mexico 88201
Phillips Petroleum Company	P. O. Box 791, Midland, Texas 79701
Kelly Bell	1411 Wilco Building, Midland, 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:  Above operators were furnished a copy of this application on January 27, 1969
---

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 new oil discovery of a substantial and new 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 paid to the owner of the 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 Operations Manager

January 27, 1969  
Date

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

Form O-1  
April 1968 Edition

NOTE: This form is to be filed and attachments made in accordance with the provisions of Rule 57.  
If discovery is claimed for more than one zone, separate forms must be filed for each.

Applicant <b>States Gas Producing Company</b>		Address <b>Box 238, Midland, Texas 79701</b>	
County <b>Midland</b>		City <b>Midland</b>	
Unit Letter <b>M</b>	Section <b>660</b>	East line <b>South</b>	Line and <b>660</b> Feet
From the <b>West</b>	Line of Section <b>33</b>	Township <b>9S</b>	Range <b>37E</b> N.M.M.
Suggested Pool Names (List in order of preference) 1. <b>West Sawyer</b>			
Name of Producing Formation <b>San Andres</b>	Perforations <b>4944-50', 53-60', 65-68'</b>	Date of Filing Form O-104 <b>January 15, 1969</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>12-12-68</b>	Date Compl. Ready to Prod. <b>1-6-69</b>
Total Depth <b>5065'</b>	Plugged Back Depth <b>5026'</b>	Depth Casing Shoe <b>5065'</b>	Tubing Depth <b>4969'</b>
Oil Well Potential (Test to be taken only after all lost oil has been recovered) <b>169</b> Bbls. Oil Per Day Based On		<b>169</b> Bbls In	<b>24</b> Hours
<b>86</b> Bbls Water Per Day Based On		<b>86</b> Bbls	
In <b>24</b> Hours	Gas Production During Test <b>157M</b> MCF	Gas-Oil Ratio <b>- -</b>	Method of Pumping <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>Crossroads, East</b>	Name of Producing Formation <b>Devonian</b>	Top of Pay <b>12,200</b>	Bottom of Pay <b>12,300</b>	Currently Producing? <b>Yes</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool <b>2-1/4 miles NW</b>		Vertical Distance from Subject Discovery Zone to Producing Interval this Pool <b>7300'</b>		

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

Pool Name <b>Sawyer (San Andres)</b>	Top of Pay <b>4940'</b>	Bottom of Pay <b>4970'</b>	Currently Producing? <b>Yes</b>
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool <b>3-1/2 miles NE</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
Texas Pacific Oil Company	Box 4067, Midland, Texas 79701
Sun Oil Company	Box 1861, Midland, Texas 79701
Bell Petroleum	Box 1533, Midland, Texas 79701
Superior Oil Company	Box 1900, Midland, Texas 79701
Sinclair Oil and Gas Company	Box 1470, Midland, Texas 79701

Attach evidence that all of the above operators have been furnished a copy of this application, and that the operator who intends to operate the top portion of the subject well as a discovery well, agrees to make a discovery well, must notify the appropriate District Office and the Santa Fe Office of the Commission of such intent in writing, within ten days after filing a copy of this application.

Remarks: <b>All the above operators have been furnished a copy of this application. Nearest San Andres production in the Sawyer Field is gas production.</b>
---

CERTIFICATION

I hereby certify that all rules and regulations of the New Mexico Oil Conservation Commission have been complied with, and that it is my opinion that all of the above operators of the subject well, and the operator who intends to operate the top portion of the subject well as a discovery well, agree to make a discovery well, must notify the appropriate District Office and the Santa Fe Office of the Commission of such intent in writing, within ten days after filing a copy of this application.



OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 22, 1969

Mr. Clarence E. Hinkle  
Hinkle, Bondurant & Christy  
Attorneys at Law  
Post Office Box 10  
Roswell, New Mexico 88201

*file in  
nomenclature  
can file for  
Feb. 1969*

*Case 4051*

Re: Extension of the vertical  
limits of the North Baum-  
Upper Pennsylvanian Pool

Dear Clarence:

In response to your letter of January 21, 1969, I would like to inform you that the Commission will set a case on its own motion to extend the vertical limits of the North Baum-Upper Pennsylvanian Pool, Lea County, New Mexico, to include all of the Upper Pennsylvanian formation in the interval from 9554 feet to 9814 feet on the log of the Coastal States Federal "20" Well No. 2, located in Unit N of Section 20, Township 13 South, Range 33 East. The matter will be heard as part of the regular nomenclature case on February 19, 1969.

Very truly yours,

GEORGE M. HATCH  
Attorney

GMH/esr

cc: Coastal States Gas Producing Company  
P. O. Box 235  
Midland, Texas

Delaware-Apache Corporation  
1720 Wilco Building  
Midland, Texas

Pan American Petroleum Corporation  
P. O. Box 1410  
Fort Worth, Texas

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Y

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January 21, 1969

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*file in Nomenclature  
Case file for Feb. 1969  
Case 4051*

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico 87501

Re: Case No. 3993  
Order No. R-3644  
Coastal States Gas Producing Co.

Dear Pete:

Jack McGraw, Division Petroleum Engineer for Coastal States Gas Producing Company, has called our attention to the provisions of Paragraph (2) on Page 3 of Order R-3644, which restricts the vertical limits of the North Baum-Upper Penn Pool to the Upper Pennsylvanian formation as found in the interval from 9,732 feet to 9,814 feet on the log of the discovery well which was Coastal States' Federal "20" well No. 2 located in Unit N, Section 20, Township 13 South, Range 33 East.

Jack McGraw states that it is true that the above described interval is the only zone currently producing in Section 20; however, in this general area there are other porosity zones in the Upper Penn formation which have been referred to in the various cases as zones "A", "B" and "C". The "A" and "B" zones of the Upper Penn formation now appear to be productive to the west in Sections 13 and 19, Township 13 South, Range 33 East and at least the lands in Section 19 would be within one mile of the horizontal limits of the North Baum-Upper Penn pool as designated in Order R-3644. Mr. McGraw further points out that as this area is developed under the present order it will be necessary to request a new field designation unless the vertical limits of the North Baum field are revised to include the "A" and "B" zones of the Upper Penn formation.

Mr. A. L. Porter, Jr.

-2-

January 21, 1969

This, in our opinion, should not be any particular problem as far as the Commission is concerned since the horizontal separation from the Lazy J field was shown to exist in all porosity zones ("A", "B" and "C"). The fact that the "A" and "B" zones do not produce in Section 20 is further proof of separation from the Lazy J Pool.

Coastal States would like to see that the vertical limits of the North Baum-Upper Penn field are revised to include the interval from 9,554 feet to 9,814 feet as found on the log of Coastal States' Federal "20" No. 2 located in the SE $\frac{1}{4}$ SW $\frac{1}{4}$  Section 20, Township 13 South, Range 33 East, which would include all of the Upper Penn formation from the bottom of the "C" zone to the top of the "A" zone.

Mr. McGraw states that he has discussed this matter with Pan American and Delaware Apache who are currently developing their properties in Sections 13 and 19 and they would also like to see the vertical limits as provided by Order R-3644 revised as above indicated.

My reason for writing to you about this matter is to determine whether under the circumstances it would be possible for the Commission on its own motion to set this matter down for hearing with respect to such a revision or whether you think it would be necessary for Coastal States, Pan American or Delaware Apache to make an application for hearing on the matter. We believe that the evidence which was introduced in Case No. 3993 pursuant to which Order R-3644 was issued is probably sufficient to substantiate a revision of the order if you feel that it would be possible for the Commission to issue an amendment to the order revising the vertical limits as above indicated.

Your cooperation in connection with this matter will be greatly appreciated.

Yours sincerely,

HINKLE, BONDURANT & CHRISTY

By 

CEH:cs

cc: Jack McGraw

# PAN AMERICAN PETROLEUM CORPORATION

OIL AND GAS BUILDING

P. O. BOX 1410

FORT WORTH, TEXAS--76101

January 21, 1969

File: GHF-26-986.510.1

Subject: Revision of Vertical Limits,  
No. Baum (Upper Pennsylvanian) Pool,  
Lea County, New Mexico

D. L. RAY  
DIVISION ENGINEER

69 JAN 23

*Case 14051*

*SE KONTAK*

*7-1-69*

New Mexico Oil Conservation Commission  
Post Office Box 871  
Santa Fe, New Mexico 87501

Gentlemen:

Pan American Petroleum Corporation respectfully requests that the vertical limits of the subject pool, as designated by Order No. R-3644, Case 3993, be revised such that the interval from 9554' to 9732' in Coastal States Federal "20" Well No. 2 be also included in the No. Baum (Upper Pennsylvanian) Pool.

Pan American's State DL No. 1 (located in Unit I, Section 13, T13S, R33E) and Apache's State 19-2 (located in Unit A, Section 19, T13S, R33E) are both completed in intervals in the Upper Pennsylvanian above the currently designated upper vertical limit of this pool. Both wells are also perforated within the current vertical limits (See Attachment I). Wells within the Lazy J Penn Pool, located to the southeast are completed at random throughout an interval correlative to the gross interval 9554' to 9814' in the Coastal States Federal "20" Well No. 2. Although the Lazy J Penn Pool is separated horizontally from the No. Baum (Upper Pennsylvanian) Pool, the various completion intervals of Lazy J Pool wells illustrates the common acceptance of the above mentioned interval as Upper Pennsylvanian. Geologically, it also appears that approximately 9554' is the top of the Pennsylvanian interval in Coastal States Federal "20" Well No. 1.

As two wells within the limits of the No. Baum (Upper Pennsylvanian) Pool are currently completed within the correlative interval 9554' to 9814' in the above referenced Coastal States well; and as geologically and by usage in the Lazy J Penn Pool this interval is designated as a common Pennsylvanian reservoir, it is requested that the vertical limits of the No. Baum (Upper Pennsylvanian) Pool be administratively extended to include the interval 9554' to 9732'.

New Mexico Oil  
Conservation Commission

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File: GHF-26-986.510.1

All other operators in this pool are being furnished copies of this application, and it is our understanding that they are in support of our request.

Yours very truly,

*D.L. Ray*  
*dy*

WCW:jn  
Attachments

cc: Coastal States Gas Producing Co - w/attachment  
P. O. Box 235  
Midland, Texas 79701  
Attn: Mr. Jack McGraw

Apache Corporation - w/attachment  
Wilco Building  
Midland, Texas 79701  
Attn: Mr. Lyn Williams

CASE NO. 4051  
ORDER NO. R-

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

~~ASSIGNMENT OF BONUS DISCOVERY ALLOWABLES TO  
AND A NEW EDDY~~ ORDER OF THE COMMISSION  
~~COUNTY AND TO A WELL IN LEA COUNTY, NEW MEXICO~~  
BY THE COMMISSION:

This cause came on for hearing at 8:30 a.m. on February 19, 1969, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this \_\_\_ day of February, 1969, 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 Eddy County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation of Revelation-Delaware Pool. Further, that the discovery well for said pool, the Marathon Oil Company Miller Ranch Unit Well No. 1, located in Unit J of Section 18, Township 22 South, Range 25 East, NMPM, is entitled to and should receive a bonus discovery allowable in the amount of 18,120 barrels *to be assigned over a two year period.* ~~to be assigned over a two year period.~~ ~~in the Delaware formation on December 13, 1968.~~ The top of the perforations *in said well* is at 3624 feet.

(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 San Andres formation, said pool to bear the designation of West Sawyer-San Andres Pool. Further, that the discovery well for said pool, the Coastal States Gas Producing Company Santa Fe Well No. 1, located in Unit M of Section 33, Township 9 South, Range 37 East, NMPM, is entitled to and should receive a bonus discovery allowable in the amount of 24,720 barrels *to be assigned over a two year* ~~to be assigned over a two year~~ ~~completed in the San Andres formation on January 6, 1969.~~ The top of the perforations *in said well* is at 4944 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 Cisco formation, said pool to bear the designation of Fordinkus-Cisco Gas Pool. Said Fordinkus-Cisco Gas Pool was discovered by the Charles B. Read Anderson State Well No. 1Y, located in Unit G of Section 14, Township 18 South, Range 24 East, NMPM. It was completed in the Cisco formation on November 7, 1968. The top of the perforations is at 6351 feet.

*(5) That the proposed creation of a new pool in Section 12, Township 17 South, Range 36 East, NMPM, Lea County, New Mexico, for the production of oil from the Devonian formation should be dismissed inasmuch as said creation will be considered at a separate hearing.*

(6) That there is need for the creation of a new gas pool in Chaves County, New Mexico, for the production of gas from the Grayburg-San Andres

(a) addition

That the discovery well for said pool, Marathon Oil Company's Miller Ranch Unit Well No. 1, located in Unit J of Section 18, Township 22 South, Range 25 East, NMPM, is hereby authorized an oil discovery allowable of 18,120 <sup>barrels</sup> to be assigned to said well at the rate of 25 barrels per day in accordance with Rule 509 of the Commission Rules and Regulations.

(b) addition

That the discovery well for said pool, Coastal States Gas Producing Company's Santa Fe Well No. 1, located in Unit M of Section 33, Township 9 South, Range 37 East, NMPM, is hereby authorized an oil discovery allowable of 24,720 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.

(d) That the proposed creation of a new ~~oil~~ pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the Midway-Devonian Pool, consisting of the following described area:

Township 17 South, Range 36 East, NMPM,  
Section 12: NW 1/4

is hereby dismissed.

formation, said pool to bear the designation of Sams Ranch Grayburg-San Andres Gas Pool. Said Sams Ranch Grayburg-San Andres Gas Pool was discovered by the Midwest Oil Corporation Federal A Well No. 1, located in Unit L of Section 10, Township 14 South, Range 28 East, NMPM. It was completed in the Grayburg-San Andres formation on August 1, 1963. The top of the perforations is at 1683 feet.

(7) That there is need for the contraction of the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, by the deletion of certain acreage in order that the deleted acreage may be placed in the Vada-Pennsylvanian Pool.

(8) That there is need for the extension of the vertical limits of the North Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include all of the Upper Pennsylvanian formation in the interval from 9554 feet to 9814 feet. ~~the~~ *the* ~~Coastal States Gas Producing Company Federal "20" Well No. 2, located in Unit N of Section 20, Township 13 South, Range 33 East, NMPM.~~

(9) That there is need for certain extensions to the Cato-San Andres Pool and the Sulimar-Queen Pool, both in Chaves County, New Mexico, the East Benson-Yates Pool, the West Henshaw-Grayburg Pool, the North Indian Hills-Morrow Gas Pool, and the McMillan-Morrow Gas Pool, all in Eddy County, New Mexico, the Baum-Upper Pennsylvanian Pool, the ~~Lazy J-Pennsylvanian Pool~~, the Quail-Queen Pool, and the North Vacuum-Abo Pool, and the Vada-Pennsylvanian Pool, all in Lea County, New Mexico, the East Bluit-San Andres Pool and the Bluit-Wolfcamp Gas Pool, both in Roosevelt County, New Mexico. *Further that the proposed extension to the Lazy J-Pennsylvanian Pool in Lea County, New Mexico, should be dismissed to prevent the overlapping of two pools.*

IT IS THEREFORE ORDERED:

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

✓ TOWNSHIP 22 SOUTH, RANGE 25 EAST, NMPM  
SECTION 18: NW/4 SE/4

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

✓ TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM  
SECTION 33: SW/4 SW/4

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

TOWNSHIP 18 SOUTH, RANGE 24 EAST, NMPM  
SECTION 14: E/2

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

*See note*

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM  
SECTION 12: NW/4

(e) That a new pool in Chaves County, New Mexico, classified as a gas pool for Grayburg-San Andres production, is hereby created and designated as the Sams Ranch Grayburg-San Andres Gas Pool, consisting of the following described area:

✓ TOWNSHIP 14 SOUTH, RANGE 28 EAST, NMPM  
SECTION 10: SW/4  
SECTION 15: NW/4

(f) That the Inbe Permo-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby contracted by the deletion of the following described area:

✓ TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
SECTION 15: S/2, NE/4, and E/2 NW/4



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

✓ TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM  
SECTION 25: SE/4  
SECTION 35: SE/4

✓ TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM  
SECTION 5: E/2 and SW/4  
SECTION 6: SE/4  
SECTION 7: N/2  
SECTION 8: N/2 and SE/4

✓ TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM  
SECTION 15: All

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

✓ TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM  
SECTION 31: NE/4  
SECTION 32: NW/4

✓ TOWNSHIP 14 SOUTH, RANGE 32 EAST, NMPM  
SECTION 1: SE/4

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

(i) That the East Benson-Yates Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM  
SECTION 18: N/2 SW/4

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

✓ TOWNSHIP 8 SOUTH, RANGE 37 EAST, NMPM  
SECTION 13: NE/4

TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM  
SECTION 18: SW/4

(k) That the Bluitt-Wolfcamp Gas Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 7 SOUTH, RANGE 37 EAST, NMPM  
SECTION 32: E/2

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

✓ TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM  
SECTION 5: SW/4

(m) That the West Henshaw-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM  
SECTION 4: Lot 8

(c) That the proposed extension to the Lazy J - Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described to include therein:

Township 13 South, Range 33 East, NM PM

Section 19: NE 1/4

Section 20: NW 1/4

is hereby dismissed

(n) That the North Indian Hills-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 21 SOUTH, RANGE 24 EAST, NMPM

SECTION 8: All

SECTION 16: All

SECTION 17: All

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

✓ TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM

TO BE  
DISMISSED

SECTION 19: NE/4

SECTION 20: NW/4

(p) That the McMillan-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM

SECTION 19: All

(q) That the Quail-Queen 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 11: E/2

(r) That the Sulimar-Queen Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM

SECTION 13: S/2 SE/4

SECTION 24: NW/4 NE/4

(s) That the North Vacuum-Abo 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 23: NE/4

SECTION 24: SE/4

Type ✓ (t) That the vertical limits of the North Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, are hereby extended to include all of the Upper Pennsylvanian formation in the interval from 9554 feet to 9814 feet, on the log: ~~of the~~ Coastal States Gas Producing Company Federal "20" Well No. 2, located in Unit N of Section 20, Township 13 South, Range 33 East, NMPM.

IT IS FURTHER ORDERED:

That the effective date of this order and all creations, contractions, and extensions of vertical and horizontal limits included herein shall be March 1, 1969.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

DAVID F. CARCO, Chairman

ALEX ARMIJO, Member

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

S E A L