CASE 4513: SOUTHEASTERN NEW MEXICO NOMENCLATURE

3

Y

- 25e Number

Application Transcripts. Small Exhibits

[1
PY, CONVENTIONS	BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico March 17, 1971	
DAILY CO	EXAMINER HEARING	
MOIDT CONVENTIONS DEPOSITIONS, HEARINGS, STATE MENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS 0. BOX 1092 • PHONE 243-6691 • ALAUQUERQUE, NEW MEXICO) IN THE MATTER OF:) Southeastern New Mexico nomenclature case) calling for the extension, creation and)Case No abolishment of certain pools in Lea, Eddy,) Chaves and Roosevelt Counties, New Mexico.)	. 4513
dearnigy-meigr	BEFORE: Daniel S. Nutter, Examiner.	
	TRANSCRIPT OF HEARING	

		PAGE 2
	1	MR. NUTTER: Call Case No. 4513.
	2	MR. HATCH: Southeastern New Mexico nomenclature
	3	case calling for the extension, creation and abolishment of
	4	certain pools in Lea, Eddy, Chaves and Roosevelt Counties,
	5	New Mexico.
	6	(Witness sworn.)
) }	7	(Whereupon, Applicant's Exhibit No. 1 was marked for
meie	8	identification.)
dearnley-meier	9	JAMES E. KAPETINA,
arn	10	having been first duly sworn, testified as follows:
	11	DIRECT EXAMINATION
ENTIONS 7103	12	BY MR. HATCH:
r, convi XICO 8	13	Q Would you state your name and position for the record?
TESTIMONY, DAILY COPY, CONVENTIONS Querque, New Mexico 87103 Ew Mexico 87108	14	A James E. Kapetina, petroleum engineer for the New Mexico
онт, ра 9.06. 7 5.7100 8	15	Oil Conservation Commission.
T TESTIMONY, D Uquerque. Nemmexico	16	Q Are you prepared to make recommendations to the Examiner
EXPERT 1 - Albu 20ue, N	17	concerning the extension, creation and abolishment of
rements, expe 243-66910 A L Buquerrouë	18	certain pools in Lea, Eddy, Chaves and Roosevelt Counties,
55, 57AT 540NE 5T • AL	19	New Mexico?
, HEARINGS, STATI , 1992 • PHONE ; DG. EAST • ALE	20	A Iam.
SITIONS, I	21	Q Are your recommendations prepared in the form of an
SPECIALIZING IN: DEI'OSITIONS, HEARINGS, STATEMENTS, 209 Simms blog. #17.0, box 1992 + Phone 243-669 1'IRST NATIONAL !!ANK BLDG. EAST + ALBUQUEF	22	exhibit?
LIZING II MMS BL	23	A They are in form of Nomenclature Exhibit No. 1, paragraph
SPECIA 209 St FIRST	24	"A" through "S".
	25	Q Would you refer to Exhibit 1 and paragraphs "A" through

			PAGE 3
	1	, , , , , , , , , , , , , , , , ,	"S" and point out any differences between it and the
	2		docket that was distributed at this hearing?
	3	λ	Yes, sir. Paragraph "B" is recommended that paragraph
	4		"B" be dismissed inasmuch as the discovery well has been
	5		plugged and abandoned.
· .	6		Paragraph "M" has an addition, Township 22 South,
	7		Range 27 East; the addition is west half of Section 31.
nele	8		In paragraph "N" two additions, Township 14 South,
dearnley-meier	9		Range 29 East; the addition, southwest quarter and north-
arnl	10		west quarter of Section 25 and Township 15 South, Range
99	11		29 East, Section 12, Southeast quarter southeast quarter.
NTIONS 103	12		Two additions to paragarph "S", Township 9 South,
TESTIMONY, DAILY COPY, CONVENTIONS Querque, New Mexico 87103 Ew Mexico 87108	13		Range 34 East; the addition is the southwest quarter of
АІLY СОРҮ, NEW MEXI 87108	14		Section 3 and the west half of Section 10; also Township
ONY, DAI QUE, N			9 South, Range 35 East; southwest quarter of Section 16.
	16	Q	Do you recommend that the pools in paragraphs "A" through
EXPERT 1 • ALBU RQUE, N	17		"S" be extended, created and abolished as shown on the
EMENTS, E 243-6691 Buquer	18		docket and as corrected in this hearing
S, STATE Hone 2 't • Al B	19	A	Yes, sir, I recommend such.
HEARING: 1092 • PI		Q	and that is with the motion to dismiss paragraph "B"?
TIONS, BLC F BLC F	21		Was Exhibit No. 1 prepared by some member of the staff
I DE*0511 DE*0511	22		of the New Mexico Oil Conservation Commission?
SPECIALIZING IN, DE 209 SIMMS BLDG	23	A	The exhibit was prepared under the supervision of the
SPECIAL LON SIM	24		Hobbs office supervisor.
	25		MR. HATCH: I would like to introduce Exhibit No. 1.

1	MR. NUTTER: Exhibit No. 1 in Case No. 4513 will
1	
2	be admitted in evidence. Do you have anything further, Mr.
3	Hatch?
4	MR. HATCH: No.
5	MR. NUTTER: Does anyone have anything further they
6	wish to offer in Case 4513? Paragraph "B" of said case will
7	be dismissed. The rest of this case will be taken under
dearnley-meier 6 8 8	advisement.
л- Уя С	The hearing is adjourned.
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бі 12 	
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12 14 14 14 14	
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EXPERT TESTIMONY, DAILY COPY, CONVENTIONS • ALBUQUERQUE, NEW MEXICO 87103 QUE, NEW MEXICO	
SPECIALIZING IN. DE POSITIONS, HEARINGS, STATEMENTS, 200 SIMMS BLDG. P.O. BOX 1002. PHONE 243-0091 FIRST NATIONAL BANK BLDG. EAST AL BUOUER 81 81 81	
SPECIALIZING IN DLPOSITIONS, HEARINGS, STATEMENTS, 200 SIMMS BLDG. P.O. BOX 1002 PHONE 243-000 FIRST NATIONAL BANK BLDG. EAST AL BUQUER 81 81 81 81 81 81 81 81 81 81 81 81 81	
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PAGE 5



PAGE 6 L STATE OF NEW MEXICO) SS) 2 COUNTY OF BERNALILLO) 3 I, GLENDA BURKS, Court Reporter in and for the County 4 of Bernalillo, State of New Mexico, do hereby certify that 5 the foregoing and attached Transcript of Hearing before the 6 New Mexico Oil Conservation Commission was reported by me; dearnley-meier 🤟 7 and that the same is a true and correct record of the said 8 proceedings to the best of my knowledge, skill and ability. 9 <u>Elenta Burks</u> Court Reporter 10 11 SPECIALIZIKG IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS 12 209 SIMMS BLDG., P.O. BOX 1092.PHONE 243-6691.ALBUQUERQUE, NEW MEXICO 87103 First national bank bedg, East-albuquerque, new mexico 87108 13 14 15 16 17 18 19 20 21 22 to becaus appreciate that the comparise he 1 Free loter and and the proceedings in A 13 4513 23 10.7L 22 24 PREVIO: for Perin M. Conversion Conteston lan 25

Examiner Hearing - March 17, 1971 -2-

Docket No. 6-71

CASE 4511: Application of Skelly Oil Company for a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-590-A to permit the rededication of the 240-acre nonstandard gas proration unit in the Tubb Cas Pool authorized in said order to its Baker "B" Well No. 7 located 1980 feet from the South and East lines of Section 10, Township 22 South, Range 37 East, Lea County, New Mexico, in lieu of its Well No. 15 located in the same quarter-quarter section.

CASE 4300: (Reopened):

والإنجاب والاستعارية والمتعالية والمتحالية والمراجع المتعادية والمعالية والمعالية والمعالية والمعالية

In the matter of Case No. 4300 being reopened pursuant to the provisions of Order No. R-3917, which order established 640acre spacing units for the Sand Dunes-Atoka Gas Pool, Eddy County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 320-acre spacing units.

- CASE 4512: Application of Union Oil Company of California for rededication of acreage and a non-standard proration unit, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval for the establishment of a non-standard oil proration unit comprising the NW/4 SE/4 and the SW/4 NE/4 of Section 17, Township 8 South, Range 38 East, Roosevelt County, New Mexico, by the rededication of acreage to its Federal 17 A Well No. 1 located in the NW/4 SE/4 of said Section 17.
- <u>CASE 4513:</u> Southeastern New Mexico nomenclature case calling for the extension, creation and abolishment of certain pools in Lea, Eddy, Chaves and Roosevelt Counties, New Mexico:

(a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production and designated as the South Buffalo-Pennsylvanian Pool. The discovery well is King Resources Company Kimo Sabe No. 1 located in Unit J of Section 16, Township 19 South, Range 33 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM SECTION 16: SE/4

(b) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Grandi Ranch-Atoka Gas Pool. The discovery well is the Byron M. McKnight Grandi Ranch No. 1 located in Unit J of Section Examiner Hearing - March 17, 1972 - 3-3

Docket No. 6-71

(Case 4513 (b) continued)

مريقاة بمنصوب بالمردر بكريات والمنافعة والمقادية كالكري

19, Township 23 South, Range 26 East, NMPM. Said pool would comprise:

ROWNSHIP 23 SOUTH, RANGE 26 EAST, NMPM SECTION 19: S/2

(c) Create a new pool in Ghaves County, New Mexico, glassified as a gas pool for Cisco production and designated as the Haystack-Cisco Gas Pool. The discovery well is the Shenandoch Oil Corporation Federal I No., 1 Located in Unit K of Section 21, Township 6 South, Range 27 East. Said pool would comprise:

> TOWNSHIP 6 SOUTH, RANGE 27 EAST, NMPM SECTION 21: ALL

(d) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the HG-Morrow Gas Pool. The discovery well is the H. L. Brown, Jr., Yates Federal No. 1 located in Unit 0 of Section 30, Township 19 South, Range 30 East, NMPM. Said pool would comprise;

TOWNSHIP 19 SOUTH, RANGE 30 EAST, NMPM SECTION 30: E/2

(e) Create a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production and designated as the Kemnitz-Morrow Gas Pool. The discovery well is the Elk Oil Company Diamond State No. 1 located in Unit J of Section 16, Township 16 South, Range 34 East, NMPM, Said pool would Comprise:

> TOWNSHIP 16 SOUTH, RANGE 34 EAST, MAPM SECTION 16: E/2

(f) Create a new pool in Eddy County, New Mexico, dlassified as a gas pool for Lower Pennsylvanian production and designated as the Sand Dunes-Lower Pennsylvanian Gas Pool. The discovery well is the Texas American Oil Cosponation Todd 14 Pederel No. 1 located in Unit K of Section 14, Township 23 South, Range 31 East, NMPM, with special vertical limits being from 14,030 feet to 15,220 feet as on the log of the discovery well. Said pool would comprise:

> TOWNSHIP ? SOUTH, RANGE 31 EAST, MMPM SECTION 14: W/2

(g) Create a new pool in Lea County, New Mexico, classified as a gas pool for Drinkard production and designated as the East Skaggs-Drinkard Gas Pool. The discovery well is Continental Oil

Examiner Hearing - March 17, 1971 -4-

(Case 4513 (g) continued)

Company. Semu Burger No. 21 located in Unit 6 of Section 19, Township 20 South, Range 38 East, NMPM. Said pool described as:

> TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMFM SECTION 19: SE/4

(h) Abolish the Cline-Abo Pool in Lea County, New Mexico, described as:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM SECTION 11: SE/4

- (i) Extend the vertical limits of the Cline-Drinkard Pool in Lea County, New Mexico, to include the Abo formation and redesignate said pool as the Cline Drinkard-Abo Pool.
- (j) Extend the Baum-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM SECTION 30: SW/4

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

TOWNSHIP 8 SOUTH, RANGE 38 EAST, NMPM SECTION 20: NE/4

(1) Extend the South Carlsbad-Morrow Gas Poel in Eddy County, New Mexico, to include therein:

> TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM SECTION 31: E/2 SECTION 32: W/2

(m) Extend the South Carlsbad-Strawn Gas Pool in Eddy County, New Mexico, to include therein:

> TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMFM. SECTION 31: E/2

> TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM SECTION 6: N/2

Examiner Hearing - March 17, 1971 -5- (Case 4513 continued)

 (n) Extend the Double L-Queen Pool in Chaves County, New Mexico, to include therein:

> TOWNSHIP 14 SOUTH, RANGE 29 EAST, NMPM SECTION 24: SW/4 SW/4 SECTION 25: N/2 NW/4, SE/4 NW/4, and NE/4 SW/4

(o) Extend the Hobbs-Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM SECTION 29: NE/4

(p) Extend the Shugart Pool in Eddy County, New Mexico, to include therein:

> TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM SECTION 22: S/2 SE/4

(q) Extend the Todd-Wolfcamp Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM SECTION 23: SW/4 SECTION 26: N/2

(r) Extend the Tres Papalotes-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

> TOWNSHIP 14 SOUTH, RANGE 34 EAST, NMPM SECTION 33: SW/4

(s) Extend the Vada-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico, to include therein:

> TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM SECTION 36: SW/4

> TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM SECTION 5: SE/4

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. 4513 Order No. R-4119

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on March 17, 1971, at Santa Fe, New Mexico, before Examiner Daniel S. Mutter.

NOW, on this <u>23rd</u> day of March, 1971, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

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

(2) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Pennsylvanian formation, said pool to bear the designation of South Buffalo-Pennsylvanian Pool. Said South Buffalo-Pennsylvanian Pool was discovered by the King Resources Company Kimo Sabe Well No. 1, located in Unit J of Section 16, Township 19 South, Range 33 East, NMPM. It was completed in the Pennsylvanian formation on May 29, 1970. The top of the perforations is at 11,253 feet.

(3) That the proposed creation of a new pool in Section 19, Township 23 South, Range 26 East, NMPM, Eddy County, New Mexico, for the production of gas from the Atoka formation should be <u>dismissed</u>. -2-CASE NO. 4513 Order No. R-4119

(4) That there is need for the creation of a new gas pool in Chaves County, New Mexico, for the production of gas from the Cisco formation, said pool to bear the designation of Haystack-Cisco Gas Pool. Said Haystack-Cisco Gas Pool was discovered by the Shenandoah Oil Corporation Federal I Well No. 1, located in Unit K of Section 21, Township 6 South, Range 27 East, NMPM. It was completed in the Cisco formation on September 25, 1970. The top of the perforations is at 5846 feet.

(5) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of H G-Morrow Gas Pool. Said H G-Morrow Gas Pool was discovered by the H. L. Brown, Jr. Yates Federal Well No. 1, located in Unit J of Section 30, Township 19 South, Range 30 East, NMFM. It was completed in the Morrow formation on October 11, 1970. The top of the perforations is at 11,874 feet.

(6) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Pennsylvanian formation, said pool to bear the designation of Kemnitz-Morrow Gas Pool. Said Kemnitz-Morrow Gas Pool was discovered by the Elk Oil Company Diamond State Well No. 1, located in Unit J of Section 16, Township 16 South, Range 34 East, NMPM. It was completed in the Pennsylvanian formation on December 1, 1969. The top of the perforations is at 12,756 feet.

(7) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Lower Pennsylvanian formation, said pool to bear the designation of Sand Dunes-Lower Pennsylvanian Gas Pool. Said Sand Dunes-Lower Pennsylvanian Gas Pool was discovered by the Texas American Oil Company Todd 14 Federal Well No. 1, located in Unit K of Section 14, Township 23 South, Range 31 East, NMPM. It was completed in the Lower Pennsylvanian formation on December 9, 1970, with special vertical limits defined as being from 14,030 feet to 15,220 feet as on the log of the discovery well. The top of the perforations is at 14,051 feet.

(8) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Drinkard formation, said pool to bear the designation of East Skaggs-Drinkard Gas Pool. Said East Skaggs-Drinkard Gas -3-CASE NO. 4513 Order No. R-4119

Pool was discovered by the Continental Oil Company Semu Burger Well No. 21, located in Unit O of Section 19, Township 20 South, Range 38 East, NMPM. It was completed in the Drinkard formation on December 23, 1969. The top of the perforations is at 6761 feet.

(9) That there is need for the consolidation of the Cline-Abo Pool and the Cline-Drinkard Pool both in Lea County, New Mexico, as a measure to affect economical improvement. Said consolidation to be accomplished by the abolishment of the Cline-Abo Pool and the extension of the vertical limits of the Cline-Drinkard Pool to include the Abo formation and to redesignate said pool as the Cline Drinkard-Abo Pool.

(10) That there is need for certain extensions to the Double L-Queen Pool in Chaves County, New Mexico, the South Carlsbad-Morrow Gas Pool, the South Carlsbad-Strawn Gas Pool, and the Shugart Pool, all in Eddy County, New Mexico, the Baum-Upper Pennsylvanian Pool, the Hobbs-Drinkard Pool, and the Tres Papalotes-Pennsylvanian Pool, all in Lea County, New Mexico, the Bluitt-San Andres Associated Pool and the Todd-Wolfcamp Pool, both in Roosevelt County, New Mexico, and the Vada-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico.

IT IS THEREFORE ORDERED:

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

> TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM SECTION 16: SE/4

(b) That the proposed creation of a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Grandi Ranch-Atoka Gas Pool, consisting of the following described area:

TOWNSHIP 23 SOUTH, RANGE 26 EAST, NMPM SECTION 19: 5/2

is hereby dismissed.

-4-CASE NO. 4513 Order No. R-4119

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

TOWNSHIP 6 COUTH, RANGE 27 HAST, HOLPM SECTION 21: A11

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

TOMMESHIP 19 SOUTH, RANGE 30 EAST, HOPM SECTION 30: E/2

(e) That a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, is hereby created and designated as the Kemnitz-Morrow Gas Pool, consisting of the following described area:

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM SECTION 16: E/2

(f) That a new pool in Eddy County, New Mexico, classified as a gas pool for Lower Pennsylvanian production, is hereby created and designated as the Sand Dunes-Lower Pennsylvanian Gas Pool with special vertical limits defined as being from 14,030 feet to 15,220 feet as in Texas American Oil Company's Todd 14 Federal No. 1, located in Unit K of Section 14, Township 23 South, Range 31 East, NMPM, and consisting of the following described area:

TOWNEHIP 23 SOUTH, RANGE 31 EAST, NMPM SECTION 14: W/2

(g) That a new pool in Lea County, New Mexico, classified as a gas pool for Drinkard production, is hereby created and designated as the East Skaggs-Drinkard Gas Pool, consisting of the following described area:

> TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM SECTION 19: SE/4

-5-CASE NO. 4513 Order No. R-4119

(h) That the Cline-Abo Pool in Lea County, New Mexico, consisting of the following described area:

TOWESHIP 23 SOUTH, RANGE 37 EAST, NMPM SECTION 11: SE/4

is hereby abolished.

(i) That the vertical limits of the Cline-Drinkard Pool in Lea County, New Mexico, are hereby extended to include the Abo formation and redesignate said pool as the Cline Drinkard-Abo Pool.

(j) 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, MMPM SECTION 30: SW/4

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

> TOWNSHIP 8 SOUTH, RANGE 38 EAST, NHPM SECTION 20: NE/4

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

> TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM SECTION 31: E/2 SECTION 32: W/2

(m) That the South Carlsbad-Strawn Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

> TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM SECTION 31: A11

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM SECTION 6: N/2 -6-CASE NO. 4513 Order No. R-4119

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

TOWRSHIP 14 SOUTH. RANGE 29 BAST. NMPM SECTION 24: SW/4 EN/4 SECTION 25: NW/4 and NE/4 SN/4

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM SECTION 12: SE/4 SE/4

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

TOWNSHIP 18 SOUTH, RANGE 38 BAST, MMPM SECTION 29: NE/4

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

> TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM SECTION 22: S/2 SE/4

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

TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM SECTION 23: SW/4 SECTION 26: N/2

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

> TOWNSHIP 14 SOUTH, RANGE 34 EAST, NMPM SECTION 33: SW/4

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

> TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM SECTION 36: SW/4

-7-CASE No. 4513 Order No. R-4119

11

(s) (Vada-Pennsylvanian Pool) continued from Page 6

TOWNSHIP 9 SOUTH, RANGE 34 EAST, HMPM SECTION 3: SW/4 SECTION 5: SE/4 SECTION 10: W/2

TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM SECTION 16: SW/4

IT IS FURTHER ORDERED:

(1) That, pursuant to Section 65-3-14.5, MMSA 1953, contained in Chapter 271, Laws of 1969, any well which, by virtue of any of the above pool extensions, is subject to pool rules providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-102 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Commission. Pending such compliance, the well shall receive a maximum allowable in the same proportion to a standard allowable for the pool that the acreage dedicated to the well bears to a standard unit for the pool. Failure to file Forms C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Commission within said 60-day period shall subject the well to cancellation of allowable.

(2) That the effective date of this order and all creations, abolishments, and extensions of vertical and horizontal limits included herein shall be April 1, 1971.

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



STATE OF NEW MEXICO OIL CONSERVATION COMMISSION wer A mg BRUCE KING, Chairman

AMEX J. ARMIJO, Member . Carrin, L. PORTER, Jr., Member & Secretary

CASE 4513: (a) CREATION OF A NEW OIL POOL

CONTRACT LEA SOUTH BUFFALO-PENNSYLVANIAN

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TO BE DISMISSED COUNTY Eddy	CASE 4513: (b) CREATION OF A NEW GAS POOL POOL Grandi Ranch-Atoka Gas	
TOWNSHIP 23S	RANGE 26E NMFM	
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Purpose: One com	pleted gas well capable of producing.	

Discovery Well: Byron M. McKnight, Grandi Ranch #1-J, 19-23-26. Completed in Atoka August 11, 1970, through perforations 10608' to 10671'.

Proposed Pool boundary colored in green. Section 19: S/2

To BE DISMISSED. Well to be P&A

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COUNTY	Chaves	POOL H	aystack-Ci	sco Gas	·····
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} →+-+					
	32	33 +			36
Purpose:	Two comple	ted gas w	vells capal	ble of produc	ing.

CASE 4513: (c) CREATION OF A NEW GAS POOL

Discovery Well: Shenandoah Oil Corp. Federal I #1-K, 21-6-27. Completed in Cisco September 25, 1970, through perforations 5846' to 5977'.

Shenandoah Oil Corp. Federal L #1-F, 21-6-27. Completed in Cisco December 22, 1970, through perforations 5803' to 5922'.

Proposed pool boundary colored in green. Section 21: ALL

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	32 +	33-		35	36

CASE 4513: (d) CREATION OF A NEW GAS POOL

Purpose: One completed gas well capable of producing.

Discovery Well: H. L. Brown, Jr. Yates Federal #1-J, 30-19-30. Completed in Morrow October 11, 1970, through perforations 11874' to 11977'.

Proposed Pool boundaries colored in green. Section 30: E/2

CASE 4513: (e) CREATION OF A NEW GAS POOL

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CASE 4513: (f) CREATION OF A NEW GAS POOL



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Vertical Limits of the pool are from a depth of 14030' to 15220' as shown on the log of the discovery well.

Proposed Pool boundary colored in green.

Section 14: W/2

CASE 4513: (g) CREATION OF A NEW CAS POOL

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PURPOSE:				be combined with th
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CASE 4513: (h) ABOLISHMENT OF AN EXISTING OIL POOL

CASE 4513: (i) EXTENSION OF VERTICAL LIMITS AND REDESIGNATION OF AN EXISTING OIL POOL

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Pool boundary colored in red. SECTION 11: E/2

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CASE 4513:	(j)	EXTENSION	0F	AN	EXTSTING	OTL	POOT.
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Proposed p	ool extension	colored in green. SECTIC	N 30: <u>SW/4</u>
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CASE	4513:	(k)	EXTENSION	0F	AN	EXISTING	OTL.	POOL
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PURPOSE: One completed oil well capable of producing.

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UNION OIL COMPANY OF CALIFORNIA - Federal "20" #1 in Unit B of Section 20-
8-38. Completed in San Andres on January 5, 1971. Top of Perforations
4751'.
Pool boundary colored in red.
Proposed pool extension colored in green. SECTION 20: NE/4
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ASE 4513: COUNTY	(1) EXTENS Eddy	ION OF AN FOOL			0L bad-Morrov	√ Gas	
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Purpose:	Two comp	leted g	as well	s_capał	ole of pro	ducing	م ینیک ۲
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CASE 4513: (n) EXTENSION OF AN EXISTING OIL POOL (Continued on next page) <u>COUNTY Chaves</u> POOL Double L-Queen



CASE 4513: (n) EXTENSION OF AN EXISTING OIL POOL (Continued) <u>COUNTY Chaves</u> POOL Double L-Queen

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CASE 4513: (o) EXTENSION OF AN EXISTINC OIL POOL
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7 8 10 11 -12 18 17 -16 15 14 13 19 20 21 22 23 24 19 20 21 22 23 24 30 29 28 27 26 26 31 32 33 34 35 36 19 20 21 26 26 26 10 14 13 14 13 14 19 20 21 22 23 24 30 29 28 27 26 26 31 32 33 34 35 36 10 13 2 33 34 35 36 10 10 10 10 18 18 17 Queen AB Federal 13-P 22-18-31 1/8/71 Queen AB Federal 10 boundary colored in red. 10 10 10 10 10	OWNSHIP	18 <u>5</u>	RANGE	31E	NMPM	
-18 -17 -16 15 14 -13 -19 -20 -21 -22 -23 -24 -30 -29 -28 -27 -26 -26 -31 -32 -33 -34 -35 -36 rpose: One completed oil well capable of producing.	6			3-	2.	1
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19 20 21 22 23 24 30 29 28 27 26 25 31 32 33 34 35 36 rpose: One completed oil well capable of producing. FM 9 erator Lease # Ut. S.T.R. Comp. FM 9 lf Oil Corp. Littlefield 13-P 22-18-31 1/8/71 Queen AB Federal 01 boundary colored in red. 1 1 1 1						
19 20 21 22 23 24 30 29 28 27 26 25 31 32 33 34 35 36 rpose: One completed oil well capable of producing. FM 9 erator Lease # Ut. S.T.R. Comp. FM 9 lf Oil Corp. Littlefield 13-P 22-18-31 1/8/71 Queen AB Federal 01 boundary colored in red. 1 1 1 1						
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lf Oil Corp. Littlefield 13-P 22-18-31 1/8/71 Queen AB Federal ol boundary colored in red.	rpose: O	ne comp	leted oi	<u>l well capa</u>	uble of produci	.ng .
AB Federal ol boundary colored in red.	erator			# Ut. &	G.T.R. Comp.	and the second se
oposed extension colored in green. Section 22: S/2 SE/4	ol bounda	ry colo	red in re	ed.		
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CASE 4513: (p) EXTENSION OF AN EXISTING OIL PCOL COUNTY Eddy POOL Shugart

CASE 4513: (q) EXTENSION OF AN EXISTING OIL POOL

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URPOSE: Tw	o completed	oil wells c	apable of pr	oducing.	
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EXACO, INC.	- M. A. Cur	nningham Fed	eral NCT-1 #	l in <u>Unit</u>	C of Section
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SECTION 20: N/2

CASE 4513: (r) EXTENSION OF AN EXISTING OIL POOL

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PURPOSE: 0	ne_completed	oil well car	able of prod	lucing.	

LONE STAR PRODUCING COMPANY - N. M. (87) State #1 in Unit K of Section 33-14-34. Completed in Saunders on January 23, 1971. Top of Perforations 10,427'.

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Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 33: SW/4

CASE 4513: (s) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

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PURPOSE: As stated on preceding page, paragraph (s), Exhibit I. <u>DELAWARE APACHE CORPORATION</u> - Midwest Federal #1 in Unit J of Section 5-9-34. Completed in Bough C on January 14, 1971. Top of Perforations 9648'.

ADDITION--BTA OIL PRODUCERS - McNulty 7101 JV-D #1 in Unit L of Section 3-9-34. Completed in Bough C on February 26, 1971. Top of

Perforations 9638'.
Fool boundary colored in red.
Proposed pool extensions colored in green. SECTION 5: SE/4
ADDITIONS----SECTION 3: SW/4
SECTION 10: W/2

CASE 4513: (s) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

CASE 4513:	(s)	EXTENSION	0F	AN	EXISTINC	OIL	POOL	(Continued))
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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. 4513 ORDER NO. R- 4779

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

Left This cause came on for hearing at 9:00 a.m. on March 17, 1971, at Santa Left Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this day of March, 1971, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

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

(2) That there is need for the creation of a new oil pool in Lea County, New Mexico, for the production of oil from the Pennsylvanian formation, said pool to bear the designation of South Buffalo-Pennsylvanian Pool. Said South Buffalo-Pennsylvanian Pool was discovered by the King Resources Company Kimo Sabe Well No. 1, located in Unit J of Section 16, Township 19 South, Range 33 East, NMPM. It was completed in the Pennsylvanian formation on May 29, 1970. The top of the perforations is at 11,255 feet.

(3) That the proposed creation of a new pool in Section 19, Tourship 23 South, Parge 26 East, NMPM, Eddy County, New Mexico, for the from the Atoka formation should be dismissed. production of quis

was completed in the Atoka formation on August 11, 1970. The top of the perforations is at 10,608 feet. This is to be dismissed because the discovery well is to be plugged and abandoned.

 ν' (4) That there is need for the creation of a new gas pool in Chaves County, New Mexico, for the production of gas from the Cisco formation, said pool to bear the designation of Haystack-Cisco Gas Pool. Said Haystack-Cisco Gas Pool was discovered by the Shenandoah Oil Corporation Federal I Well No. 1, located in Unit K of Section 21, Township 6 South, Range 27 East, NMPM. It was completed in the Cisco formation on September 25, 1970. The top of the perforations is at 5846 feet.

(5) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Morrow formation, said pool to bear the designation of H G-Morrow Gas Pool. Said H G-Morrow Gas Pool was discovered by the H. L. Brown, Jr. Yates Federal Well No. 1, located in Unit J of Section 30, Township 19 South, Range 30 East, NMPM. It was completed in the Norrow formation on October 11, 1970. The top of the perforations is at 11,374 feet.

% (6) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Pennsylvanian formation, said pool to bear the designation of Kemnitz-Morrow Gas Pool. Said Kemnitz-Morrow Gas Pool was discovered by the flk Oil Company Diamond State Well No. 1, located in Unit J of Section 16, Township 16 South, Ramfe 34 East, NMPM. It was completed in the Pennsylvanian formation on December 1, 1969. The top of the perforations is at 12,756 feet. -2-CASE NO. 4513 ORDER NO. R-

(7) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Lower Pennsylvanian formation, said pool to bear the designation of Sand Dunes-Lower Pennsylvanian Gas Pool. Said Sand Dunes-Lower Pennsylvanian Gas Pool was discovered by the Texas American Oil Company Todd 14 Federal Well No. 1, located in Unit K of Section 14, Township 23 South, Range 31 East, NMPM. It was completed in the Lower Pennsylvanian formation on December 9, 1970, with special vertical limits defined as being from 14,030 feet to 15,220 feet as on the log of the discovery well. The top of the perforations is at 14,051 feet.

(8) That there is need for the creation of a new gas pool in Lea County, New Mexico, for the production of gas from the Drinkard formation, said pool to bear the designation of East Skaggs-Drinkard Gas Pool. Said East Skaggs-Drinkard Gas Pool was discovered by the Continental Oil Company Semu Burger Well No. 21, located in Unit O of Section 19, Township 20 South, Range 38 East, NMPM. It was completed in the Drinkard formation on December 23, 1969. The top of the perforations is at 6761 feet.

(9) That there is need for the consolidation of the cline - Abo Fool and the Cline - Drinkard Pool both in Lea County, New Mexico as a measure to provement. Said consolidation to be accomplished by the abolishment of Abo Veol and the extension of the vertical limits of the Fibo formation and to Irinklard to include Popipool as the Cline Drinkard Abo redesignate 1001.

in Chaves County, New Mexico, the South Carlsbad-Morrow Gas Pool, the South Carlsbad-Strawn Gas Pool, and the Shugart Pool, all in Eddy County, New Mexico, the Baum-Upper Pennsylvanian Pool, the Hobbs-Drinkard Pool, and the Tres Papalotes-Pennsylvanian Pool, all in Lea County, New Mexico, the Bluitt-San Andres Associated Pool and the Todd-Wolfcamp Pool, both in Roosevelt County, New Mexico, and the Vada-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico.

IT IS THEREFORE ORDERED:

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

> TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM SECTION 16: SE/4

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

TO BE DISMISSED

TOWNSHIP 23 SOUTH, RANGE 26 EAST, NMPM SECTION 19: S/2

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

TOWNSHIP 6 SOUTH, RANGE 27 EAST, NMPM SECTION 21: All

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

> TOWNSHIP 19 SOUTH, RANGE 30 EAST, NMPM SECTION 30: E/2

(e) That a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, is hereby created and designated as the Kemnitz-Morrow Gas Pool, consisting of the following described area:

> TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM SECTION 16: E/2

-3-CASE NO. 4513 ORDER NO. R-

(f) That a new pool in Eddy County, New Mexico, classified as a gas pool for Lower Pennsylvanian production, is hereby created and designated as the Sand Dunes-Lower Pennsylvanian Gas Pool with special vertical limits defined as being from 14,030 feet to 15,220 feet as in Texas American Oil Company's Todd 14 Federal No. 1, located in Unit K of Section 14, Township 23 South, Range 31 East, NMPM, and consisting of the following described area:

> TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM SECTION 14: W/2

(g) That a new pool in Lea County, New Mexico, classified as a gas pool for Drinkard production, is hereby created and designated as the East Skaggs-Drinkard Gas Pool, consisting of the following described area:

> TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM SECTION 19: SE/4

(h) That the Cline-Abo Pool in Lez County, New Mexico, consisting of the following described area:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM SECTION 11: SE/4

is hereby abolished.

(i) That the vertical limits of the Cline-Drinkard Pool in Lea County, New Mexico, are hereby extended to include the Abo formation and redesignate said pool as the Cline Drinkard-Abo Pool.

(j) 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 30: SW/4

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

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM SECTION 20: NE/4

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

> TOWNSHIP 22 SOUTH, RANCE 27 EAST, NMPM SECTION 31: E/2 SECTION 32: W/2

(m) That the South Carlsbad-Strawn Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM SECTION 31: All

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM SECTION 6: N/2

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

> TOWNSHIP 14 SOUTH, RANGE 29 EAST, NMPM SECTION 24: SW/4 SW/4 SECTION 25: NW/4 and NE/4 SW/4 / TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM SECTION 12: SE/4 SE/4

-4-CASE NO. 4513 ORDER NO. R-____

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

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM SECTION 29: NE/4

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

> TOWNSHIP 18 SOUTH, RANGE 31 LAST, NMPM SECTION 22: S/2 SE/4

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

> TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM SECTION 23: SW/4 SECTION 26: N/2

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

TOWNSHIP 14 SOUTH, RANGE 34 EAST, NMPM SECTION 33: SW/4

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

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM SECTION 36: SW/4 TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM SECTION 3: SW/4 SECTION 5: SE/4 SECTION 10: W/2 TOWNSHIP 9 SOUTH, RANGE 35 EAST, NMPM SECTION 16: SW/4

IT IS FURTHER ORDERED:

(1) That, pursuant to Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, any well which, by virtue of any of the above pool extensions, is subject to pool rules providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-102 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Commission. Pending such compliance, the well shall receive a maximum allowable in the same proportion to a standard unit for the pool to the well bears to a standard unit for the pool. Failure to file Forms C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Commission within said 60-day period shall subject the well to cancellation of allowable.

(2) That the effective date of this order and all creations, abolishments, and extensions of vertical and horizontal limits included herein shall be April 1, 1971.

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

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

BRUCE KING, Chairman

ALEX ARMIJO, Member

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

NOMENCLATURE ADVERTISEMENT FOR MARCH, 1971 CASE 1/2/3

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 abolishment of an existing pool in Lea County, New Mexico, the extension of vertical limits of an existing pool in Lea County, New Mexico, and the extension of horizontal limits 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, abolishments, and extensions of vertical and horizontal limits should not be made.

a) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production and designated as the South Buffalo-Pennsylvanian Pool. The discovery well¹ is King Resources Company, Kimo Sabe No. 1 located in Unit J of Section 16, Township 19 South, Range 33 East, NMPM. Said pool described as we were described as we described as

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM SECTION 16: SE/4

b) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Grandi Ranch-Atoka Gas Pool. The discovery well is Byron M. McKnight, Grandi Ranch No. 1 located in Unit J of Section 19, Township 23 South, Range 26 East, NMPM. Said pool described as: Krack Contract

> V TOWNSHIP 23 SOUTH, RANGE 26 EAST, NMPM SECTION 19: S/2

c) CREATE A new pool in Chaves County, New Mexico, classified as a gas pool for Cisco production and designated as the Haystack-Cisco Gas Pool. The discovery well is Shenandoah Oil Corporation, Federal I No. 1 located in Unit K of Section 21, Township 6 South, Range 27 East, NMPM. Said pool des- cribed as provide Compared

V TOWNSHIP 6 SOUTH, RANGE 27 EAST, NMPM SECTION 21: All

d) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the HG-Morrow Gas Pool. The discovery well is H. L. Brown, Jr., Yates Federal No. 1 located in Unit J of Section 30, Township 19 South, Range 30 East, NMPM. Said pool described reserved to for products:

/ TOWNSHIP 19 SOUTH, RANGE 30 EAST, NMPM SECTION 30: E/2

e) CREATE A new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production and designated as the Kemnitz-Morrow A Pennsylvanian Gas Pool. The discovery well is Elk Oil Company, Diamond State No. 1 located in Unit 3 of Section 16, Township 16 South, Range 34 East, NMPM. Said pool described as 1030 for the section

> / TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM SECTION 16: E/2

-2-March, 1971 Nomenclature

f) CREATE A new pool in Eddy County, New Mexico, classified as a gas pool for Lower Pennsylvanian production and designated as the Sand Dunes-Lower Pennsylvanian Gas Pool. The discovery well is Texas American Oil Corporation, Todd 14 Pederal No. 1 located in Unit K of Section 14, Township 23 South, Range 31 East, NMPN, with special vertical limits defined as being from 14,030 feet to 15,220 feet as on the log of the discovery well. Said pool described as the sector of the discovery well. Said

> / TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM SECTION 14: W/2

g) CREATE A new pool in Lea County, New Mexico, classified as a gas pool for Drinkard production and designated as the East Skaggs-Drinkard Gas Pool. The discovery well is Continental Oil Company, Semu Burger No. 21 located in Unit 0 of Section 19, Township 20 South, Range 38 East, NMPM. Said pool described as:

> ✓ TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM SECTION 19: SE/4

h) ABOLISH the Cline-Abo Pool in Lea County, New Mexico, described as:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM SECTION 11: SE/4

i) EXTEND the vertical limits of the Cline-Drinkard Pool in Lea County, New Mexico, to include the Abo formation and redesignate said pool to Cline X Drinkard-Abo Pool.

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

TOWNSHIP 13 SOUTH, RANGE 33 EAST, NMPM SECTION 30: SW/4

k) EXTEND the Bluitt-San Andres Associated Pool in Reosevelt County, New Mexico, to include therein:

TOWNSHIF 8 SOUTH, RANGE 38 EAST, NMPM SECTION 20: NE/4

1) EXTEND the South Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM SECTION 31: E/2 SECTION 32: W/2

m) EXTEND the South Carlsbad-Strawn Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPMVSECTION 31: E/2

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM SECTION 6: N/2 -3-March, 1971 Nomenclature

n) EXTEND the Double L-Queen bool in Chaves County, New Mexico, to include therein:

/ TOWNSHIP 14 SOUTH, RANGE 29 EAST, NMPM SECTION 24: SW/4 SW/4 SECTION 25: N/2 NW/4, SE/4 NW/4, and NE/4 SW/4

o) EXTEND the Hobbs-Drinkard Pool in Lee County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM SECTION 29: NE/4

P) EXTEND the Shugart Pool in Eddy County, New Mexico, to include therein:

 $\sqrt{\frac{\text{TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM}{\text{SECTION 22: S/2 SE/4}}}$

q) EXTEND the Todd-Wolfcamp Pool in Roosevelt County, New Mexico, to include therein:

/ TOWNSHIP 7 SOUTH, RANGE 35 EAST, NMPM SECTION 23: SW/4 SECTION 26: N/2

r) EXTEND the Tres Papalotes-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

J TOWNSHIP 14 SOUTH, RANGE 34 EAST, NMPM SECTION 33: SW/4

s) EXTEND the Vada-Pennsylvanian Pool in Lea and Roosevelt Counties, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM SECTION 36: SW/4

TOWNSHIP 9 SOUTH, RANGE 34 EAST, NMPM SECTION 5: SE/4 CASE 4514: Appli. of CONTINENTAL OIL COMPANY FOR SALT WATER DISPOSAL, LEA COUNTY, N. MEX.