CASE 3045:
SOUTHEASTERN NEW MEXICO
NOMENCLATURE

(FSE NO. 3045

APPlication, Transcripts, SMAIL Exh. bits ETC. Paragraphs (a) and (b) are as advertised.

Paragraph (c) has this addition:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 15: NW/4

Paragraphs (d) through (h) are as advertised.

Paragraph (i) has this addition:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 35: SE/4

Paragraph (j) has this addition:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 35: SE/4

NEW POOLS
a) It is recommended that a new oil pool be created and designated as the
SOUTH DOUBLE A-ARO Pool.
Vertical limits to be the <u>Abo</u> formation and the horizonta
limits should be as follows: as shown in Paragraph (a), Exhibit I
Discovery well was Lone Star Prod. Company - Atlantic State #1
located in Unit <u>G</u> Section <u>30 Township 17 Range 36</u> and was completed on
February 14. 1964 #\$#陈州泰特\$系统系统系统系统系统系统系统系统系统系统系统系统系统系统系统系统系统系统系统
perforations is at 9148 feet.
It is recommended that a newpool be created and designated as the
Pool.
Vertical limits to be theformation and the horizonta
limits should be as follows:
Discovery well was
located in UnitSectionTownshipRangeand was completed on
with an initial potential of BOPD/MCFGPD. Top of
perforations is atfeet.
It is recommended that a newpool be created and designated as thePool.
Vertical limits to be theformation and the horizontal
limits should be as follows:
Discovery well was
located in UnitSectionTownshipRangeand was completed on
with an initial potential of BOPD/MCFGPD. Top of
perforations is atfeet.

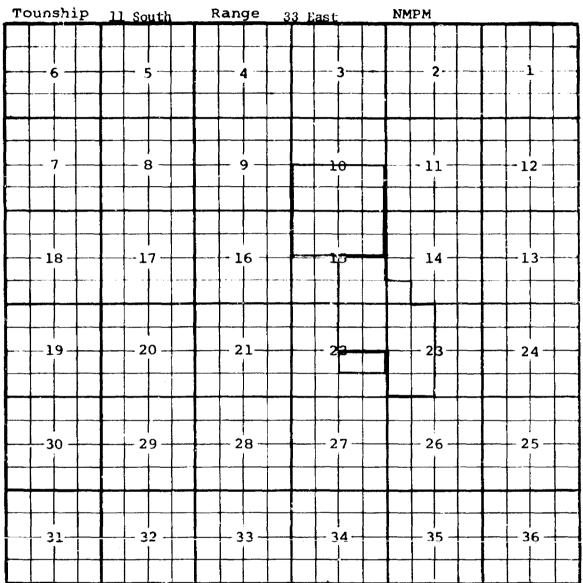
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roposed poo	ol boundary c	colored in	red	SECTIO	1 30:	NE/4		

CASE 3045: (b) EXTENSION OF AN EXISTING OIL FOOL

County LEA Pool ALLISON-ABO

Tounship	9 South	Range 36 E	ast	NMPM	
	5	4	3-		
6	3	4			
7 -	8	9	10		12
18	17	16	15	14	13
19 +	20	21	22	23	<u>+</u> 24
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30	29	28		26	25
31 -	32	33	34	35	36
		 			
	ne completed		_		
				Jnit N of Sect	
				forations 8976	
	-				
Proposed po	ol extension	colored in gr	ceen. SECT	ION 2: SW/4	
					
					
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County LEA NORTH BAGLEY-UPPER PENNSYLVANIAN Pool



PURPOSE: One completed oil well capable of producing plus extension of two 40 acre tracts for dedicated acreage. FELMONT OIL CORPORATION - State F #1 in Unit K of Section 10-11-33. Completed in Upper Pennsylvanian on March 22, 1964. Top of Perforations 9486'. DEANE H. STOLTZ - J. D. Guye #1 in Unit H of Section 22-11-33. Completed in Upper Pennsylvanian on November 6, 1963. Top of Perforations 9396. DEANE H. STOLTZ- State 262 #1 in Unit G of Section 22-11-33. Completed in Upper Pennsylvanian on February 20, 1964. Top of Perforations 94221. ADDITION -- FELMONT OIL CORPORATION - Felmont Hissom State #1 in Unit F of Section 15-11-33. Completed in Upper Pennsylvanian on April 29, 1964. Top of Perforations 9601'. Pool boundary colored in red. Proposed pool extensions colored in green. SECTION 10: S/2

SECTION : NE/4
SECTION 2.7 N/2 SE/4
ADDITION---SECTION 15: NW/4

County LEA Pool BAISH-WOLFCAMP

Tounship 17 South	Range 32 East	NMPM
6 5	4 - 3	21
	4 3	
7 - 8 -	9 10	-1112
		11 -12
18 17	16 15	14 13
19 20	24 22	
19 - 20	24 22	23 24
30 29	28 27	26 25
31 32	33 34	35 - 36 -

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PURPO	SE:	<u>On</u>	e co	omp	lete	<u>:d</u>	oil	. we	ll ca	pal	ole (of r	prod	luc:	ing						
CONTI	CONTINENTAL OIL COMPANY - Baish A #12 in Unit A of Section 21-17-32.																				
Compl	etec	l_in	Wo.	¹fc	amp	on	Fe	bru	ary 2	7,	196	4.	Ton) 0	f Pe	erfo	rat	ion	s 9	826	t.
Pool					_																
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County LEA Pool SOUTH LANE-PENNSYLVANIAN

Tounship	10 South	Range $_{33}$	East	NMPM	
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7 +	8	9	10	11	12
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18	17	16	15	14	13
					
19	20	21-	22	23	24
20	20		20		2.5
30	29	28	27	26	25
31	32	33	34	35-1-1	36
				ducing.	
				C #1 in Unit 1	
34-10-33.	Completed in	Bough "C" on	February 2	7, 1964. Top	of Perfora-
tions 9700'	•				
Pool bounda	ry colored i	red.	·····		
Proposed po	ol extension	colored in g	reen. SECT	ION 34: SE/4	

CASE 3045: (f) EXTENSION OF AN EXISTING OIL POOL

County	LEA	Pool	LEA-BONE SPRI	NGS	
Tounship	20 South	Range	34 East	NMPM	
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18	17	16	15	14	13
					1-1-1-1
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19	20	21	22	23	24
30	29	28	27-	26	25
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31-	32	33	34	35	36
PURPOSE: 0	ne completed	oil well	capable of pro	oducing.	
					-20-34. Com-
pleted in B	one Springs	on March 3	, 1964. Top	of Perforatio	ns 10,126'.
Proposed po	ol extension	colored i	n green. SEC	TION 11: SW/	<u>′4</u>
					•

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County	LEA	Pool	SAND SPRIN	GS-DEVONIAN	
Tounship	11 South	Range	34 East	NMPM	
6-	5	4	3-	2-	
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31-	32	33-	34-	35 +	36
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			in green. S	ECTION 11: W/	2 NE/4
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CASE 3045: (h) EXTENSION OF AN EXISTING OIL POOL

County	LEA	Pool	NORTH VACUU	M-ABO	
Tounship	17 South	Range	35 East	NMPM	
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19	20	21	22	23	24
30	29	28	27-	26	25
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31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.
PHILLIPS PETROLEUM COMPANY - Santa Fe #87 in Unit L of Section 31-17-35.
Completed in Abo on February 11, 1964. Top of Perforations 9162'.
Pool boundary colored in red.
Proposed pool extension colored in green. SECTION 31: W/2 W/2
, a.

County	LEA	Pool	VACUUM-CLO	RIETA	~
Tounship	17 South	Range	35 East	NMPM	
6	5	4	3-	2.	
7	8	9	10	-11	-12
		1-1-1			
18	17	16	15	14	13
19	20	21-	22	23	24
3b	29	28	27	26	25
21	32	33 -	34	35	36
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PURPOSE: Twenty-seven completed oil wells	capable of producing.
Pool boundary colored in red.	
Proposed pool extensions colored in green.	SECTION 26: NW/4
	SECTION 27: All
	SECTION 28: All
	SECTION 29: All
	SECTION 30: S/2 and NE/4
	SECTION 31: S/2
	SECTION 32: All
	SECTION 33; All
	SECTION 34: N/2 NW/4

PHILLIPS PETROLEUM COMPANY - Santa Fe #86 in Unit C of Section 26-17-35.

Completed in Glorieta on November 22, 1963. Top of Perforations 6152.

PHILLIPS PETROLEUM COMPANY - Santa Fe #89 in Unit E - 1 Section 26-17-35.

Completed in Paddoc. in Pebruary 18, 1964. Top of Perforations 6131.

CASE 3045: (I) EXTENSION OF AN EXISTING OHE LOOK (Government)

COUNTY LEA FOOL VACUUM-CLORIETA

TOWNSHIP 17 South RANGE 35 East MNEM

PHILLIPS PETROLEUM COMPANY - Santa Fe 194 in Unit D of Section 26-17-35. Completed in Paddock on March 25, 1964. Top of Perforations 6132'. CITIES SERVICE OIL COMPANY - State "K" #5 in Unit H of Section 27-17-35. Completed in Paddock on September 6, 1963. Top of Perforations 61781. CITIES SERVICE OIL COMPANY - State K 46 in Unit G of Section 27-17-35. Completed in Paddock on January 1, 1964. Top of Perforations 61781. CITIES SERVICE OIL COMPANY - State K #7 in Unit A of Section 27-17-35. Completed in Paddock on January 29, 1964. Top of Perforations 6114'. CITIES SERVICE OIL COMPANY - State K #8 in Unit B of Section 27-17-35. Completed in Paddock on April 10, 1964. Top of Perforations 61381. PHILLIPS PETROLEUM COMPANY - Santa Fe #80 in Unit N of Section 27-17-35. Completed in Glorieta on January 11, 1964. Top of Perforations 6072. PHILLIPS PETROLEUM COMPANY - Santa Fe #90 in Unit M of Section 27-17-35. Completed in Paddock on March 6, 1964. Top of Perforations 60741. SHELL OIL COMPANY - State V #5 in Unit I of Section 27-17-35. Completed in Paddock on November 8, 1963. Top of Perforations 6134. SHELL GIL COMPANY - State "V" #6 in Unit P of Section 27-17-35. Completed in Glorieta on April 21, 1964. Top of Perforations 6142. STANDARD OIL COMPANY OF TEXAS - State 4-27 \$5 in Unit 0 of Section 27-17-35. Completed in Paddock on April 8, 1964. Top of Perforations 6102'. STANDARD OIL COMPANY OF TEXAS - State 4-27 #7 in Unit K of Section 27-17-35. Completed in Paddock on March 25, 1964. Top of Perforations 60511. STANDARD OIL COMPANY OF TEXAS - State 4-27 #9 in Unit J of Section 27-17-35. Completed in Paddock on March 26, 1964. Top of Perforations 60841. HUMBLE OIL & REFINING COMPANY - New Mexico State K #19 in Unit P of Section 28-17-35. Completed in Glorieta on April 17, 1964. Top of Perforations 60831. SHELL OIL COMPANY - State "I" #2 in Unit E of Section 29-17-35. Completed in Glorieta on February 7, 1964. Top of Perforations 6111'.

SHELL OIL COMPANY - State "B" #3 in Unit 1 of Section 30-17-35. Completed in Glorieta on April 1, 1964. Top of Perforations 6076'. TEXACO, INC. - State of New Mexico "N" #5 in Unit M of Section 30-17-35. Completed in Glorieta on April 10, 1964. Top of Perforations 60251. PHILLIPS PETROLEUM COMPANY - Santa Fe #87 in Unit L of Section 31-17-35. Completed in Glorieta on February 16, 1964. Top of Perforations 60301. SHELL OIL COMPANY - State "D" #2 in Unit M of Section 31-17-35. Completed in Glorieta on February 24, 1964. Top of Perforations 5990. HUMBLE OIL & REFINING COMPANY - New Mexico State "K" #17 in Unit P of Section 32-17-35. Completed in Glorieta on February 4, 1964. Top of Perforations 61341. HUMBLE CIL & REFINING COMPANY - New Mexico State K #18 in Unit I of Section 32-17-35. Completed in Glorieta on April 9, 1964. Top of Perforations HUMBLE OIL & REFINING COMPANY - New Mexico State K #20 in Unit O of Section 32-17-35. Completed in Glorieta on April 18, 1964. Top of Perforations 6121'. MARATHON OIL COMPANY - State Warm A/C 3 #5 in Unit H of Section 33-17-35.

Completed in Glorieta on March 15, 1964. Top of Perforations 6098. PHILLIPS PETROLEUM COMPANY - Santa Fe #91 in Unit A of Section 33-17-35. Completed in Paddock on April 7, 1964. Top of Perforations 6083. PHILLIPS PETROLEUM COMPANY - Santa Fe #95 in Unit B of Section 33-17-35. Completed in Paddock on April 21, 1964. Top of Perforations 6079.

Completed in Glorieta on August 11, 1963. Top of Perforations 6097.
MARATHON OIL COMPANY - State Warn A/C 3 #6 in Unit G of Section 33-17-35.

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CASE 3045:	(i)	EXTENSI	90 NC	W EXIS	TIEC () [], 10	ems (or				
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CASE 3045: (j) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

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County	LEA	Pool	<u> VACUUM-WOLFC</u>	Mil	
Tounship	17 South	Range	34 East	NMPM	
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-30	29 -	28	27	26	25
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				April 13, 196	
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Pool bound	arv colored	l in red.			
Proposed p	ool extens	ion colored i	n green. ADI	DITIONSECTIO	N 35: SE/4
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CASE \$045: (a) CREATION OF A NEW OIL POOL

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8	9		0	-11-		-12
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ne completed	oil well	capable o	f pro	ducing.	- 	
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1	a Abo Detrit	29 28 - 33 - 33 - 32 - 33 - 32 - 33 - 34 - 34	29 28 2 32 33 3 Be completed oil well capable of the completed of the capable o	29 28 27 27 32 34 34 34 34 36 Abo Detrital on February 14, 1964.	29 28 27 26 26 27 26 26 27 26 27 26 28 29 29 29 29 29 29 29 29 29 29 29 29 29	29 - 28 - 27 - 26

CASE 3045: (b) EXTENSION OF AN EXABELLA (0.4 240)

County LA Pool ALLISON-ADD Tourship & South Range 36 East 8 - 10 -12 -13--17 -- 16 -- 15 ~ 14 -- 18 -20 -22 -21-23-24--27-- 26 -25 --30 -- 29 -- 28 -- 35 ~ - 36 -- 31-- 32 -- 34 -PURPOSE: One completed oil well capable of producing. THE ATLANTIC REFINING COMPANY - State AD #1 in Unit N of Section 2-9-36. Completed in Abo en Harch 14, 1964. Top of Perforations 89761. Pool boundary colored in red. Proposed pool extension colored in green. SECTION 2: SW/4

CASE 8045: (c) EXTENSION OF AN EXISTING OIL FOOL

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I	 	┼	╉─┤	+			1		æll			1		1			1_				سخ

PURPOSE: One completed oil well capable of producing plus extension of two 40 acre tracts for dedicated acreage.

FELMONT OIL CORPORATION - State F #1 in Unit K of Section 10-11-33. Gompleted in Upper Pennsylvanian on March 22, 1964. Top of Perforations 94861. DEANE H, STOLTZ - J. D. Guye #1 in Unit N of Section 22-11-33. Completed in Upper Pennsylvanian on November 6, 1963. Top of Perforations 9396'. DEANE H. STOLTZ- State 262 #1 in Unit G of Section 22-11-33. Completed in Upper Pennsylvanian on February 20, 1964. Top of Perforations 94221. ADDITION -- FELMONT OIL CORPORATION - Felmont Hisson State #1 in Unit F of Section 15-11-33. Completed in Upper Pennsylvanian on April 29,

Section 15-11-53. Completes in t	Jypex 1
1964. Top of Perforations 9601	
a and in said.	
Proposed pool extensions colored in green.	SECTION 7 NE/4
ADDITION-	SECTION SO: N/2 SE/4SECTION 15: NW/4

CASE 3045: (d) EXTENSION OF AN EXISTING OIL POOL

ASE 3045:	(d)	EXTENSION OF AN EXISTING UTE THE
County	LEA	Pool BAISH-WOLFCAMP
		Dange 62 FAST
Tounship	2 17	Solution
	-	2-1-1
6-		-+-5
	_	
	-	
	-	10 - 11 - 12
7-		18 1 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1	
	1-1	
	1-1	15 14 13 13
18		17-1-16
		23 + 24 + 24
19	a —	20 21 22 22
		26 25
	30 +	29 28 27 26
		34 35 36
	31	32 + 33 + 34
	1 _	
		One completed oil well capable of producing.
PURF	OSE:	One completed oil well capable of producing. TAL OIL COMPANY - Baish A #12 in Unit A of Section 21-17-32. TAL OIL COMPANY - Baish A #12 in Unit A of Section 21-17-32.
CONT	THEN	TAL OIL COMPANY - Balan 1. 27, 1964. Top of Perforations 9020
		14 MULICORD C.
Poo	1 box	undary colored in red. d pool extension colored in green. SECTION 21: NE/4
Pro	pose	d pool extension colors

County LEA Pool SOUTH LANE-PERHSYLVANIAN Tounship NMPM Range 33 East 10 South 6 5 · 4 8 9 10 -- 11 -12 -- 16 - 18 - 15 -14 -13--19 - 20 -- 22 -- 24 -23 28 --30 29 26 25 -- 32 -- 33 ---- 31-36 PURPOSE: One completed oil well capable of producing. SAM BOREN & MAJOR & GIEBEL OILS - Humble State C #1 in Unit I of Section \$4-10-83. Completed in Bough "C" on February 27, 1964. Top of Perforations 9700°. Pool boundary colored in red. Proposed pool extension colored in green. SECTION 34: SE/4

CASE 8045: (f) EXTENSION OF AN EXISTING OIL POOL

County	LEA	Pool LE	A-BONE SPRI	NGS	
Tounship	20 South	Range	34 East	NMPM	
6	5	4	3	2.	
					
	8	9	10		12
18	17	16	15	14	13
19	20	21	22-	23	24
	1			1-1-1-	
				++++	
1 + + + + + + + + + + + + + + + + + + +		1	27	1 1	25
30	29	28		26	25
31-	32	33	34	35	36
PURPOSE: 0	ne completed	oil well cap	pable of pro	ducing.	
				of Section 11-	
			1764. Top (of Perforation	ns 19,126'.
LOOT DOMINGS	ry colored in	reu.			

PURPOSE: One completed oil well capable of producing.

EDWIN FCSTER BLAIR - Lea Federal #1 in Unit K of Section 11-20-34. Completed in Bone Springs on March 3, 1244. Top of Perforations 19,126.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 11: SW/4

CASE 3045: (h) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool NORTH VACUUM-ABO

Tounship	17 South	Range	35 East	NMPM	
	. ,				
6	5	4	3	2	
7	8	9	10	11-	-12
18	17		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.

PHILLIPS PETROLEUM COMPANY - Santa Fe #87 in Unit L of Section 31-17-35.

Completed in Abo on February 11, 1964. Top of Perforations 9162'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 31: W/2 W/2

CASE \$045: (1) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA POOL VACUUM-GLORIETA

Tounship	17 South	Range \$	5 East	NMPM	
6	5	4	3	2.	
7	8	9	10	11-	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
21	32	33	34	35	36

PURPOSE:	Twe	aty-seven c	mpleted	oi.	wells	capable (of pi	oducing.
Pool bour	dary	colored in	red.					
Proposed	pool	extensions	colored	in	green.	SECTION	26:	NW/4
						SECTION	27:	_All
		_				SECTION	28:	All
						SECTION	29:	All
			-			SECTION	30:	S/2 and NE/4
						SECTION	31:	\$/2
						SECTION	32:	AXI
						SECTION	33:	All
						SECTION	34:	N/2 W/4

PHILLIPS PETROLEUM COMPANY. Santa Fe #86 in Unit C of Section 26-17-95.

Completed in Glorieta on November 22, 1963. Top of Perforations 6152'.

PHILLIPS PETROLEUM CONTANY - Sonta Fe #89 in Unit E / Section 26-17-85.

Completed in Faddock on February 18, 1964. Top of Perforations 6131'.

CASE 3045: (1) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY LEA

POOL

VACUUM-GLORIETA

TOWNSHIP 17 South

South RANGE

35 East

NMPM

PHILLIPS PETROLEUM COMPANY - Santa Fe #94 in Unit D of Section 26-17-35. Completed in Paddock on March 25, 1964. Top of Perforations 6132'. CITIES SERVICE OIL COMPANY - State "K" #5 in Unit H of Section 27-17-35. Completed in Paddock on September 6, 1963. Top of Perforations 61781. CITIES SERVICE OIL COMPANY - State K #6 in Unit G of Section 27-17-35. Completed in Paddock on January 1, 1964. Top of Perforations 61781. CITIES SERVICE OIL COMPANY - State K #7 in Unit A of Section 27-17-35. Completed in Paddock on January 29, 1964. Top of Perforations 6114'. CITIES SERVICE OIL COMPANY - State K #8 in Unit B of Section 27-17-35. Completed in Paddock on April 10, 1964. Top of Perforations 6138*. PHILLIPS PETROLEUM COMPANY - Santa Fe #80 in Unit N of Section 27-17-35. Completed in Glorieta on January 11, 1964. Top of Perforations 6072'. PHILLIPS PETROLEUM COMPANY - Santa Fe #90 in Unit W of Section 27-17-35. Completed in Paddock on March 6, 1964. Top of Perforations 6074'. SHELL OIL COMPANY - State V #5 in Unit I of Section 27-17-35. Completed in Paddock on November 8, 1963. Top of Perforations 6134'. SHELL OIL COMPANY - State "V" #6 in Unit P of Section 27-17-35. Completed in Glorieta on April 21, 1964. Top of Perforations 6142'. STANDARD OIL COMPANY OF TEXAS - State 4-27 #5 in Unit O of Section 27-17-35. Completed in Paddock on April 8, 1964. Top of Perforations 61021. STANDARD OIL COMPANY OF TEXAS - State 4-27 #7 in Unit K of Section 27-17-35. Completed in Paddock on March 25, 1964. Top of Perforations 60511. STANDARD OIL COMPANY OF TEXAS - State 4027 #9 in Unit J of Section 27-17-35. Completed in Paddock on March 26, 1964. Top of Perforations 6084'. HUMBLE OIL & REFINING COMPANY - New Mexico State K #19 in Unit P of Section 28-17-35. Completed in Glorieta on April 17, 1964. Top of Perforations SHELL OIL COMPANY - State "I" #2 in Unit E of Section 29-17-35. Completed in Glorieta on February 7, 1964. Top of Perforations 6111'.

SHELL OIL COMPANY - State "B" #3 in Unit I of Section 30-17-35. Completed in Glorieta on April 1, 1964. Top of Perforations 6076'. TEYACO, INC. - State of New Mexico "N" #5 in Unit M of Section 30-17-35. Completed in Glorieta on April 10, 1964. Top of Perforations 6025. PHILLIPS PETROLEUM COMPANY - Santa Fe #87 in Unit L of Section 31-17-35. Completed in Glorieta on February 16, 1964. Top of Perforations 6030'. SHELL OIL COMPANY - State "D" #2 in Unit M of Section 31-17-35. Completed in Glorieta on February 24, 1964. Top of Perforations 5990'. HUMBLE OIL & REFINING COMPANY - New Mexico State "K" #17 in Unit F of Section 32-17-35. Completed in Glorieta on February 4, 1964. Top of Perforations 6134'. HUMBLE OIL & REFINING COMPANY - New Mexico State K #18 in Unit I of Section 32-17-35. Leted in Glorieta on April 9, 1964. Top of Perforations HUMBLE OIL & REFINING COMPANY - New Mexico State K #20 in Unit O of Section 32-17-35. Completed in Glorieta on April 18, 1964. Top of Perforations MARATHON OIL COMPANY - State Warn A/C 3 #5 in Unit H of Section 33-17-35. Completed in Glorieta on August 11, 1963. Top of Perforations 6097' MARATHON OIL COMPANY - State Warn A/C 3 #6 in Unit G of Section 38-17-35. Completed in Glorieta on March 15, 1964. Top of Ferforations 6098'. PHILLIPS PETROLEUM COMPANY - Santa Pe #91 in Unit A of Section 33-17-35. Completed in Paddock on April 7, 1964. Top of Perforations 6083'. PHILLIPS PETROLEUM COMPANY - Santa Fe #95 in Unit B of Section 38-17-35. Completed in Paddock on April 21, 1964. Top of Perforations 6079'.

CASE 3045: (1) EXTENSION OF AN EXISTING OIL FOOL (Continued)

County LEA Pool VACUUM-GLORIETA

Tounship 17	South	Range	34 East	NMPM	· · · · · · · · · · · · · · · · · · ·
6	5	4	3	2.	1
7 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 (i), Exhibit I
ADDITION PHILLIPS PETROLEUM COMPANY - M. E. Hale #8 in Unit P of Section
35-17-34. Completed in Glorieta on April 16, 1964. Top of
Perforations 6069*.
Pool boundary colored in red.
Proposed pool extension colored in green. ADDITION SECTION 35: 8E/4

CASE 3045: (j) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County	LEA	Pool	Vacuum-Holfc	AMP	
Tounship	17 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
1-	32	33	34	35	36
PHILLIPS PI Completed : Pool bounds	in Wolfcamp or ary colored in	ANY - Santa n January 30 n rad.	Fe #87 in Uz	of pool. it L of Section of Perforation 1: NW/4	one 10,006

CASE 3045: (j) EXTENSION OF AN EXISTING OIL POOL (Continued)

County	Lea	Pool	VACUUH-WOLFCAMP			
Tounship	17 South	Range	34 East	NMPM		
6	5	4	3.—	2		
	1					
				i		
7 -	8	9	10	11	12	
	1					
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18	17-	16 -	15	14	13-	
			 			
	1-1-1-					
	20	21-	22	23	24	
			0.7			
30	29	28 -	27	26	25	
	1					
31-	32	33 -	34	35	36 +	
			 			
				iph (j), Exhibi		
				lale #8 in Uni		
		-	n Wolfcamp on	April 13, 196	. Top of	
	Ferforations	9546'.				
	ary colored i					
Proposed po	ool extension	colored	in green. AD	DITIONSECTION	N 35: SE/4	
	· · · · · · · · · · · · · · · · · · ·	·				
		_				

Docket No. 14-64

DOCKET: REGULAR HEARING - WEDNESDAY - MAY 13, 1964

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

ALLOWABLE:

- (1) Consideration of the oil allowable for June, 1964.
- (2) Consideration of the allowable production of gas for June, 1964, from ten prorated pools in Lea and Eddy Counties, New Mexico, and also presentation of purchasers' nominations for said pools for the six-month period beginning July 1, 1964; consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico for June, 1964.

(This case will be continued) CASE 3043:

In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider the institution of gas prorationing in the Blanco-Pictured Cliffs Pool, San Juan County, New Mexico, and the Gavilan-Pictured Cliffs Pool, Rio Arriba County, New Mexico, and the extension of said Blanco-Pictured Cliffs Pool to include the E/2 of Section 15, Township 29 North, Range 9 West, the SW/4 of Section 31, Township 30 North, Range 8 West, and all of Sections 9, 15, 16, and 22, the NE/4 of Section 27, and the N/2 and SE/4 of Section 21, all in Township 30 North, Range 9 West.

CASE 3044: In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider the amendment of certain rules. In the above-styled cause, the Commission proposes to consider the amendment of Rule 104 to define a wildcat oil well and a wildcat gas well, and to permit the dedication of 160 acres to a wildcat gas well drilled in Lea, Chaves, Eddy and Roosevelt Counties unless said well is projected to the Pennsylvanian formation or deeper, in which case 320 acres could be dedicated. It is also proposed to define the completion date of a gas well and to require certain tests to be conducted on wildcat gas wells anywhere in the State following their completion and to provide that the acreage dedicated to the well be reduced to 40 acres if such tests do not establish that the well is indeed a gas well. It is also proposed to consider amending Rule 401 to provide that unconnected gas wells be tested to determine their potential. It is further proposed to consider amending kule 301 to require gas-oil ratio tests to be taken no sooner than 20 days nor later than 30 days following the completion or recompletion of a well and to be reported to the Commission within 10 days following completion of the test.

See attached sheets for proposed rule changes.

CASE 3045:

Southeastern New Mexico nomenclature case calling for an order for the creation and extension of certain pools in Lea County, New Mexico:

a) CREATE a new oil pool for Abo production, designated as the South Double A-Abo Pool, and described as:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM SECTION 30: NE/4

b) EXTEND the Allison-Abo Pool to include therein:

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM SECTION 2: SW/4

c) EXTEND the North Bagley-Upper Pennsylvanian Pool to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM

SECTION 10: S/2 SECTION 15: NE/4 SECTION 22: N/2 SE/4

d) EXTEND the Baish-Wolfcamp Pool to include therein:

TOWNSHIP 17 SOUTH RANGE 32 EAST, NMPM SECTION 21: NE/4

e) EXTEND the South Lane-Pennsylvanian Pool to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 34: SE/4

f) EXTEND the Lea-Bone Springs Pool to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM SECTION 11: SW/4

g) EXTEND the Sand Springs-Devonian Pool to include therein:

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM SECTION 11: W/2 NE/4

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

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM SECTION 31: W/2 W/2

i) EXTEND the Vacuum-Glorieta Pool to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM

SECTION 26: NW/4

SECTION 27: All

SECTION 28: All

SECTION 29: All

SECTION 30: S/2 and NE/4

SECTION 31: S/2

SECTION 32: All

SECTION 33: All

SECTION 34: N/2 NW/4

j) EXTEND the Vacuum,-Wolfcamp Pool to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM SECTION 31: NW/4

PROPOSED AMENDMENT RULE 104, SECTIONS A, B, C, AND D

RULE 104. WELL SPACING: ACREAGE REQUIREMENTS FOR DRILLING TRACTS

A. CLASSIFICATION OF WELLS: WILDCATS AND DEVELOPMENT WELLS

Any well which is to be drilled a distance of one mile or more from another well which has produced oil or gas from the formation to which the proposed well is projected or one mile or more from the outer boundary of any defined pool which has produced oil or gas from the formation to which the proposed well is projected, shall be classified as a wildcat well.

Any well which is to be drilled less than one mile from the outer boundary of a defined oil or gas pool which has produced oil or gas from the formation to which the proposed well is projected shall be classified as a development well and shall be spaced, drilled, operated and produced in accordance with the regulations in effect in the nearest such pool, provided the well is completed in the formation to which it was projected. Provided further, that any well completed in a formation other than the one to which it was originally projected shall be operated and produced in accordance with the rules and regulations in effect in the nearest pool within one mile which is producing from the same formation in which the well is complete.

If there is no designated pool for the aforesaid formation within one mile, the well shall be classified as a wildcat.

B. ACREAGE REQUIREMENTS FOR WILDCATS

I. Lea, Chaves, Eddy and Roosevelt Counties

(a) Wildcat Gas Wells

In Lea, Chaves, Eddy, and Roosevelt Counties, a wildcat gas well shall be defined as a wildcat in accordance with Section A above which is projected as a gas well in a formation and an area which, in the opinion of the engineer or supervisor approving the application to drill, may reasonably be presumed to be productive of gas rather than oil.

Such wildcat gas well shall be located on a drilling tract consisting of 160 surface contiguous acres, more or less, substantially in the form of a square which is a quarter-section, being a legal subdivision of the U.S. Public Land Surveys; provided, however, if such wildcat gas well is projected to a formation of Pennsylvanian age or older, it shall be located on a drilling tract consisting of 320 surface contiguous acres, more or less, comprising any two contiguous quarter sections of a single governmental section, being a legal subdivision of the U.S. Public Land Surveys.

Any such wildcat gas well shall be located at least 660 feet from the outer boundary of the 160-acre or 320-acre tract and shall be located not closer than 330 feet to any quarter-quarter section or subdivision inner boundary.

(b) Wildcat Oil Wells

In Lea, Chaves, Eddy and Roosevelt Counties, a wildcat oil well shall be defined as a wildcat in accordance with Section A above but which is not a wildcat gas well as defined above.

Such wildcat oil well shall be located on a tract consisting of approximately 40 surface contiguous acres substantially in the form of a square which is a legal subdivision of the U. S. Public Land Surveys, or on a governmental quarter-quarter section or lot and shall be located not closer than 330 feet to any boundary line of such tract.

II. San Juan, Rio Arriba, and Sandoval Counties

(a) Wildcat Gas Wells

In San Juan, Rio Arriba, and Sandoval Counties, a wildcat gas well shall be defined as a wildcat in accordance with Section A above which is projected to a gas-producing horizon and shall be located on a designated drilling tract consisting of 160 surface contiguous acres, more or less, substantially in the form of a square which is a quarter section, being a legal subdivision of the U. S. Public Land Surveys, and shall be located not closer than 790 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section or subdivision inner boundary.

In the event oil production is encountered in a well which was projected to a gas-producing horizon and which is located accordingly but does not conform to the oil well location rule below, it shall be necessary for the operator to bring the matter to a hearing before approval for the production of oil can be given.

(b) Wildcat Oil Wells

A wildcat oil well shall be defined as a wildcat in accordance with Section A above which is projected to an oil-producing horizon as recognized by the Commission and shall be located on a tract consisting of approximately 40 surface contiguous acres substantially in the form of a square which is a legal subdivision of the U. S. Public Land Surveys, or on a governmental quarter-quarter section or lot and shall be located not closer than 330 feet to any boundary line of such tract.

In the event gas production is encountered in a well which was projected to an oil-producing horizon and which is located accordingly but does not conform to the above-described gas well location rule, it shall be necessary for the operator to bring the matter to a hearing before approval for the production of gas can be given.

III. All counties except Lea, Chaves, Eddy, Roosevelt, San Juan, Rio Arriba, and Sandoval

Any well classified as a wildcat in any county other than Lea, Chaves, Eddy, Roosevelt, San Juan, Rio Arriba, and Sandoval shall be located on a tract consisting of approximately 40 surface contiguous acres substantially in the form of a square which is a legal subdivision of the U. S. Public Land Surveys, or on a governmental quarter-quarter section or lot and shall be located not closer than 330 feet to any boundary of such tract.

C. ACREAGE REQUIREMENTS FOR DEVELOPMENT WELLS

I. Oil Wells, All Counties

Unless otherwise provided in special pool rules, each well drilled within a defined oil pool shall be located on a tract consisting of approximately 40 surface contiguous acres substantially in the form of a square which is a legal subdivision of the United States Public Land Surveys, or on a governmental quarter-quarter section or lot and shall not be drilled closer than 330 feet to any boundary line of such tract or closer than 660 feet to the nearest well drilling to or capable of producing from the same pool.

II. Gas Wells

(a) Lea, Chaves, Eddy and Roosevelt Counties

Unless otherwise provided in special pool rules, each well drilled within a defined gas pool of less than Pennsylvanian age shall be located on a designated drilling tract consisting of 160 surface contiguous acres, more or less, substantially in the form of a square which is a quarter section being a legal subdivision of the United States Public Land Surveys and shall not be drilled closer than 660 feet to any outer boundary line of such tract nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary nor closer than 1320 feet to the nearest well drilling to or capable of producing from the same pool.

Unless otherwise provided in special pool rules, each well drilled within a defined gas pool of Pennsylvanian age or older shall be located on a designated drilling tract consisting of 320 surface contiguous acres, more or less, comprising any two contiguous quarter sections of a single governmental section, being a legal subdivision of the U. S. Public

Land Surveys and shall not be drilled closer than 660 feet to any outer boundary line of the tract nor closer than 330 feet to any quarter-quarter section or subdivision inner boundary nor closer than 1320 feet to the nearest well drilling to or capable of producing from the same pool.

(b) San Juan, Rio Arriba, and Sandoval Counties

Unless otherwise provided in special pool rules, each well drilled within a defined gas pool shall be located on a designated drilling tract consisting of 160 surface contiguous acres, more or less, substantially in the form of a square which is a quarter section being a legal subdivision of the United States Public Land Surveys, and shall be located not closer than 790 feet to any outer boundary of the tract nor closer than 130 feet to any quarter-quarter section line or subdivision inner boundary.

D. ACREAGE ASSIGNMENT, COMPLETED WELLS

I. Well Tests and Classification

It shall be the responsibility of the operator of any wildcat gas well or development gas well to which more than 40 acres has been dedicated to determine the gas-liquid ratio and the liquid gravity for the well and to conduct a potential test within 30 days following completion of the well and to file the same with the Commission within 10 days following completion of the tests. (See Rules 301 and 401.)

Date of completion for a gas well shall be the date a well head is installed or 30 days following conclusion of active completion work on the well, whichever date comes first.

Upon making a determination that the well should not properly be classified as a gas well, the Commission will reduce the acreage dedicated to the well.

Failure of the operator to file the aforesaid tests within the specified time will also subject the well to such acreage reduction.

Ii. Non-Standard Units

Any completed gas well which does not have the required amount of acreage dedicated to it for the pool or formation in which it is completed may not be produced until a standard unit for the well has been formed and dedicated or until a non-standard unit has been approved.

The Secretary-Director of the Commission may grant administrative approval to non-standard gas units without notice and hearing when an application has been filed for a non-standard unit and the unorthodox size or shape of the unit is necessitated by a variation in the legal subdivision of the U. S. Public Land Surveys, or the following facts exist and the following provisions are complied with:

- (a) The non-standard unit consists of quarter-quarter sections or lots that are contiquous by a common bordering side.
- (b) The non-standard unit lies wholly within a single governmental quarter section if the well is completed in a pool or formation for which 160 acres is the standard unit size or wholly within a single governmental half section if the well is completed in a pool or formation for which 320 acres is the standard unit size.
- (c) The applicant presents written consent in the form of waivers from all offset operators and from all operators owning interests in the quarter section (for 160-acre pools or formations) or the half-section (for 320-acre pools or formations) in which the non-standard unit is situated and which acreage is not included in said non-standard unit.
- (d) In lieu of paragraph (c) of this rule, the applicant may furnish proof of the fact that all of the aforesaid operators were notified by registered or certified mail of his intent to form such nonstandard unit. The Secretary-Director may approve the application if no such operator has entered an objection to the formation of such non-standard unit within 30 days after the Secretary-Director has received the application.

PROPOSED AMENDMENT RULE 301

RULE 301. GAS-OIL RATIO TEST

Amend the first paragraph of Section (a) to read as follows:

Each operator shall take a gas-oil ratio test no sooner than 20 days nor later than 30 days following the completion or recompletion of each well, if (1) the well is a wildcat, or (2) the well is located in a pool which is not exempt from the requirements of this rule. (Wells completed within one mile of the outer boundary of a defined oil pool producing from the same formation shall be governed by the provisions of this rule which are applicable to the pool). The results of the test shall be reported to the Commission on Form C-116 within 10 days following completion of the test. The gas-oil ratio thus reported shall become effective for proration purposes on the first day of the calendar month following the date they are reported.

PROPOSED AMENDMENT RULE 401

RULE 401. METHOD OF DETERMINING NATURAL GAS WELL POTENTIAL

Add the following paragraph to the existing rule:

All gas wells which are not connected to a gas gathering facility shall be tested within 30 days following the installation of a well head. Tests shall be taken in accordance with the "Procedure for Testing Unconnected Gas Wells" contained in Supplement I to the New Mexico Oil Conservation Commission "Manual for Back Pressure Tests for Natural Gas Wells." Tests shall be reported on Form C-122 in compliance with Rule 1121 and shall be filed within 10 days following completion of the test.

CASE 8045: (a) CREATION OF A NEW OIL POOL

County	LEA	Pool	SOUTH	DOUBLE	A-ABO	
Counship	17 South	Range	36 Er	et	NMPM	
					ì	
7 1 1						
6+	5	4		3	2-1	-
7 1 1				<u> </u>		
+++						
+++					1 1	
十 7 十	8 -	9 -		10	11-	12
 					1	
+		 				
+	- 					
18 +	17 -	16 -		15	14 +	13
+++			 	 		
╂╾┼╌┼						
+-++		 	1		•	
19+	20 -	21-		22-	23	24
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CASE \$645: (b) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool ALLISON-ABO Touriship 9 South Range 36 East NMPM 10 ----12 -17 -~ **15 –** - 18 -- 16 -14 -13-- 20 -22--19 -- 21-23--30 -~ 29 28 - 27 -- 26 -25 -- 35 -- 31-- 32 -- 33 - - 34 -- 36 -PURPOSE: One completed oil well capable of producing. THE ATLANTIC REFINING COMPANY - State AD #1 in Unit N of Section 2-9-86. Completed in Abo on Merch 14, 1964. Top of Perforations 8976*. Pool boundary colored in red. Proposed pool extension colored in green. SECTION 2: SW/4

CASE 8045: (c) EXTENSION OF AN EXISTING OIL POOL

County LEA POOL NORTH BAGLEY-UPPER PENNSYLVANIAN

Tounsh	ip j	1 South	Range	33 Fast	NMPM							
					2-							
6 -		5	1 4									
		 										
1-1-		111										
7	 	8 -	1 9 -	10	- 11	12						
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	4-4-		<u> </u>	<u> </u>								
URPOSE:			,	pable of prod		extension of						
				dicated acres								
ELMONT	oir co	RPORATION	- State F	l in Unit K	of Section 10	-11-83. Com-						
pleted i	в Прре	r Pennsyl	vaniam on Ka	irch 22, 1964,	Top of Per	forations 948						
DEANE H.	STOLT	Z - J. D.	Guye #1 in	Unit H of Sec	etioa 22-11-4	3. Completed						
in Dooer	Penne	ylvanian	on November	6, 1963. Toj	of Perforat	ions 93961.						
	8 10 11	Z- State	262 #1 in Ur	it G of Secti	lon 22-11-88.	Completed						
			on February	20, 1964. Tr	op of Perfora	tions 9422'.						
deane H.	· Penne	ylvanian										
DEANE H. in Upper				ADDITION FELMONT OIL CORPORATION - Felmont Nieson State #1 in Unit F of								
DEANE H. in Upper	PELM	ONT OIL C	ORPORATION -									
DEANE H. In Upper	Sect	ONT OIL C	ORPORATION -	rted in Upper		in Unit 7 of m on April 2						

Proposed pool extensions colored in green. SECTION 10: S/2

SECTION 15: NE/4
SECTION 22: N/2 SE/4
ADDITION---SECTION 15: NW/4

CASE 3045: (d) EXTENSION OF AN EXISTING DIL POOL POOL BAISH-HOLFCAMP County LEA NMPM Range 82 Fast Tounship 17 south -12 - 11 : 10 -8 14 - 16 24 23 - 20 · -19 25 26 27-28 - 29 --30 - 35 - 34 -- 33 32 PURPOSE: One completed oil well capable of producing. CONTINENTAL OIL COMPANY - Baish A #12 in Unit A of Section 21-17-82. Completed in Wolfcamp on February 27, 1964. Top of Perforations 9826'. Proposed pool extension colored in green. SECTION 21: NE/4

CASE 3045: (e) EXTENSION OF AN EXIPTING OIL POOL

•	LEA	Pool SOUTH LANE-PE	MESYLVANIAN
Tourship	10 South	Range 18 Fact	NMPM
6	5	3-+	2. 1
			+
7 +	8	10	11
18	17	16 15	14 - 13
19	20	21 22	24
30	29	28 - 27	26
31-	32	33 - 34	35 36
	J2		
		oil well capable of pr	
			C #1 in Unit I of Section
tions 9700'		DULEN C" ON PROPURTY	27, 1964. Top of Perfora-
	ry colored is	red.	
		colored in green. SEC	TION 34: SE/4
	·		

CASE 3045: (f) EXTENSION OF AN EXISTING OIL POOL

County	•	Pool LE	-BONE SPRI	MGS	
Tounship	20 South	Range	34 East	NMPM	
6+	5	4	3	2.	
					
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7	8	9	10	1 1	12
18	17	16	15	14	13-
1-1-1-					
19	20	21	22	23	24
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	1				
	$\blacksquare + + + +$				
30 +-	29	28-	27	26	25
31-	32	33	34	35	36
PHIRDSE: 0	hetelessa es	oil well cap	able of pro	ducting.	
				of Section 11-	20-34. Com-
				of Perforation	
Pool bounds	ry colored i	n red.			
Proposed po	ol extension	colored in g	reen. SECT	TION 11: 54/4	
·					
					
					

CASE 3045: (g) EXTENSION OF AN EXISTING OIL POOL

	<u> </u>	Po	01	\$/	und sp	RINGS.	-DEVONI	AN	
р 11	South	Ra	nge	34	East		NMPM		
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			. المحدد	1 m a	mem.	SECT	TION 11	. 41/9	ME/A
	One EFECT	0ne ecaplete	One completed oil EEKER - State "II"			8 9 1			8 9 10 -11 -14

CASE 8045: (h) EXTENSION OF AN EXISTING OIL POOL
COUNTY LEA POOL NORTH VACUUM-ABO

Tounship	17 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: One completed oil well capable of producing.

PHILLIPS PETRILIM COMPANY - Sents Fe #87 in Unit L of Section 31=17-35.

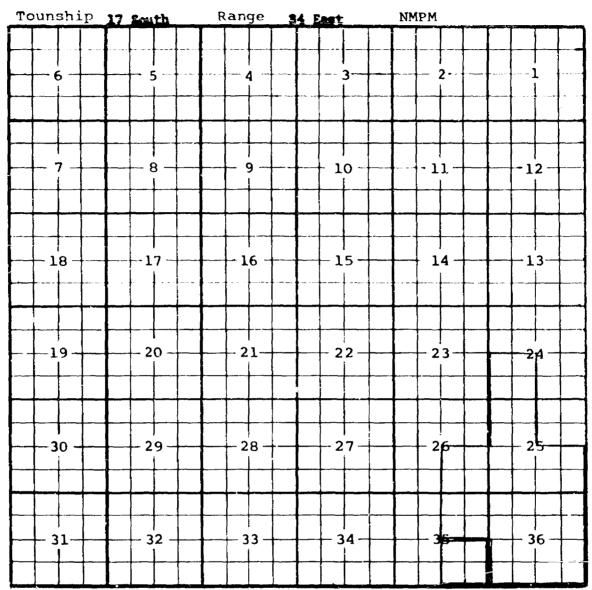
Completed in Abo on February 11, 1964. Top of Perforations 9162'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 31: W/2 W/2

CASE 3045: (1) EXTENSION OF AN EXISTING OIL FOOL (Continued)

COUNTY LEA POOL VACUUM-GLORIETA



PURPOSE: As stated on preceding page, paragraph (i), Exhibit I

ADDITION--PHILLIPS PETROLEUM COMPANY - M. E. Hale #8 in Unit P of Section

35-17-34. Completed in Glorieta en April 16, 1964. Top of

Perforations 6069'.

Pool boundary colored in red.

Proposed pool	extension colore	d in green.	ADDITION-SECTION	85: SE/4
		1		
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CASE 8045: (1) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County LEA Pool VACUUM-GLORIETA

Tounship	17 South	Range \$	5 East	NMPM	
6 +	5	4		2.	
7 +	8	9 + 1	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: Twenty-seven completed oil wells capable of producing.

Democrack and and and an arrangement	670FTAN 67	121/4
Proposed pool extensions colored in green.	SECTION 20:	M/4
	SECTION 27:	All
	SECTION 28:	All
	SECTION 29:	All
	SECTION 30:	3/2 and NE/4
	SECTION 31:	8/2
	SECTION 32:	All
	SECTION 33:	All
	SECTION 34:	1/2 Mi/4

PHILLIPS PETROLEUM COMPANY. Santa Fe #86 in Unit C of Section 26-17-35.

Completed in Clorieta on November 22, 1963. Top of Perforations 6152.

PHILLIPS PETROLEUM COMPANY - Santa Fe #89 in Unit E of Section 26-17-35.

Completed in Paddock on Pebruary 18, 1964. Top of Perforations 6181.

CASE 3045: (1) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY LEA

POOL

VACUUM-GLORIETA

35 East

TOWNSHIP 17 South

RANGE

MMPH

PHILLIPS PETROLEUM COMPANY - Santa Fe #94 in Unit D of Section 26-17-35. Completed in Paddock on March 25, 1964. Top of Perforations 61821. CITIES SERVICE OIL COMPANY - State "K" #5 in Unit H of Section 27-17-35. Completed in Paddock on September 6, 1963. Top of Perforations 6178'. CITIES SERVICE DIL COMPANY - State K #6 in Unit G of Section 27-17-35. Completed in Paddock on January 1, 1964. Top of Perforations 61781. CITIES SERVICE OIL COMPANY - State K #7 in Unit A of Section 27-17-35. Completed in Paddock on January 29, 1964. Top of Perforations 6114'. CITIES SERVICE OIL COMPANY - State K #8 in Unit B of Section 27-17-35. Completed in Paddock on April 10, 1964. Top of Perforations 6138' PHILLIPS PETROLEUM COMPANY - Sunta Fe #80 in Unit N of Section 27-17-35. Completed in Glorieta on January 11, 1964. Top of Perforations 60721. PHILLIPS PETROLEUM COMPANY - Santa Fe #90 in Unit H of Section 27-17-35. Completed in Paddock on Harch 6, 1964. Top of Perforations 60741. SHELL OIL COMPANY - State V #5 in Unit I of Section 27-17-85. Completed in Paddock on November 8, 1968. Top of Perforations 61341.

SHELL OIL COMPANY - State "V" #6 in Unit P of Section 27-17-35. Completed in Glorieta on April 21, 1964. Top of Perforations 6142'. STANDARD OIL COMPANY OF TEXAS - State 4-27 #5 in Unit O of Section 27-17-35. Completed in Paddock on April 8, 1964. Top of Perforations 6102'. STANDARD OIL COMPANY OF TEXAS - State 4-27 #7 in Unit K of Section 27-17-35. Completed in Paddock on March 25, 1964. Top of Perforations 6051'. STANDARD OFL COMPANY OF TEXAS - State 4-27 #9 in Unit J of Section 27-17-35. Completed in Paddock on March 26, 1964. Top of Perforations 6084'. HUMBLE OIL & REFINING COMPANY - New Mexico State K #19 in Unit P of Section 28-17-85. Completed in Glorieta on April 17, 1964. Top of Perforations 60881. SHELL OIL COMPANY - State "I" #2 in Unit E of Section 29-17-35. Completed in Glorieta on February 7, 1964. Top of Perforations 6111.

SHELL OIL COMPANY - State "B" #S in Unit I of Section 30-17-35. Completed in Glorieta on April 1, 1964. Top of Perforations 6076. TEXACO, INC. - State of New Mexico "N" #5 in Unit M of Section 30-17-35. Completed in Glorieta on April 10, 1964. Top of Perforations 6025 PHILLIPS PETROLEUM COMPANY - Santa Fe #87 in Unit L of Section 31-17-35. Completed in Glorieta on February 16, 1964. Top of Perforations 6030'. SHELL OIL COMPANY - State "D" #2 in Unit M of Section 31-17-35. Completed in Glorieta on February 24, 1964. Top of Perforations 59901. HUMBLE OIL & REFINING COMPANY - New Mexico State "K" #17 in Unit P of Section 32-17-35. Completed in Glorieta on February 4, 1964. Top of Perforations 6134. HUMBLE OIL & REFINING COMPANY - New Hexico State K #18 in Unit I of Section 32-17-35. Completed in Glorieta on April 9, 1964. Top of Perforations 61101 HUMBLE OIL & REFINING COMPANY - New Mexico State K #20 in Unit O of Section 32-17-35. Completed in Glorieta on April 18, 1964. Top of Perforations MARATHON OIL COMPANY - State Warn A/C 3 #5 in Unit H of Section 83-17-35. Completed in Glorieta on August 11, 3968. Top of Perforations 6097'. MARATHON OIL COMPANY - State Warn A/C 3 #6 in Unit G of Section 32-17-35. Completed in Glorieta on March 15, 1964. Top of Perforations 6098'. PHILLIPS PETROLEUM COMPANY - Santa Fe #91 211 Unit A of Section 38-17-85. Completed in Paddock on April 7, 1964. Top of Perforations 6083'. PHILLIPS PETROLEUM COMPANY - Santa Fe #95 in Unit B of Section 38-17-35. Completed in Paddock on April 21, 1964. Top of Perforations 60791.

CASE \$045: (j) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County	LEA	Pool V	ACUUM-HOLF	CAMP	
Tounship	17 South	Range	35 Fact	NMPM	
		<u> </u>			
6-	5	4	3	2.	
7	8	9-	10	-11	-12
					12
	 			1-1-1-	
18	17	16	15	14	13
	 			+	
19	20	21	22	23	24
30	29	28	27	26	25
			\mathbf{I}		
				75	36
	32	33	34	35	36

PURPOSE: To take in dedicated acress outside of pool.

PHILLIPS PETROLEM COMPANY - Santa Pe #87 in Unit L of Section 31-17-35.

Completed in Holfcamp on January 30, 1964. Top of Perforations 10,006.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 31: NW/4

امند ا CASE 3045: (j) EXTENSION OF AN EXISTING OIL POOL (Continued) Pool VACUUM-HOLFCAMP County LEA ИМБИ 34 East Range Tourship 17 South - 12 -10 -9 14 - 15 --16 -17 -- 18 24 23-22 21 _ 20 --19 27 - 28 -29 -30 - 34 -- 33 -- 32 - 31-PURPOSE: As stated on preceding page, paragraph (j), Exhibit I ADDITION -- PHILLIPS PETROLEUM COMPANY - M. E. Hale #8 in Unit P of Section 35-17-34. Completed in Wolfcamp on April 13, 1964. Top of Perforations 95461. Proposed pool extension colored in green. ADDITION--SECTION 35: SE/4 Pool boundary colored in red.

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 a new pool in Lea County, New Mexico, and extensions of certain existing pools in Lea County, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations and extensions should not be made.

a) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Abo production, designated as the South Double A-Abo Pool, and designited as:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, MMPM SECTION 30: NE/4

b) EXTEND the Allison-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NMPM SECTION 2: SW/4

c) EXTEND the North Bagley-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 10: S/2
SECTION 15: NE/4
SECTION 22: N/2 SE/4

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

TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM SECTION 21: NE/4

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

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 34: SE/4

f) EXTEND the Lea-Bone Springs Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, MMPM SECTION 11: SW/4

g) EXTEND the Sand Springs-Devonian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM SECTION 11: W/2 NE/4

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

V TOWNSHIP 17 SOUTH, RANGE 35 EAST, MAPM SECTION 31: W/2 W/2

- -2- May, 1964 Nomenclature
- i) EXTEND the Vacuum-Clorieta Pool in Lea County, New Hexico, to include therein:

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TOWNSHIP 17 SOUTH, RANGE 35 EAST, MMPM SECTION 26: NW/4 SECTION 27: All
SECTION 28: All
SECTION 29:
               A11
               S/2 and NE/4
 SECTION 30:
               s/2
 SECTION 31:
               A11
 SECTION 32:
 SECTION 33:
                All
 SECTION 34: N/2 NW/4
```

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

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM SECTION 31: NW/4

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico May 13, 1964

REGULAR HEARING

IN THE MATTER OF: Southeastern New Mexico nomenclature case calling for an order for Southeastern New Mexico the creation and extension of certain pools in Lea County, New Mexico

3045 Case No.

BEFORE:

BANTA PE. H. H.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

Governor Jack Campbell Mr. E. S. (Johnny) Walker Mr. A. L. Porter

TRANSCRIPT OF HEARING

MR. DURRETT: Southeastern New Mexico nomenclature case.

MR. PORTER: The Commission will take up next Case 3045.

(Whereupon, Oil Conservation Commission's Exhibits 1, 2 and 3, marked for identification.)

(Witness sworn.)

DANIEL S. NUTTER, called as a witness, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. DURRETT:

- Please state your name and position for the record.
- Dan Nutter, Chief Engineer for the Oil Conservation Commission.
- Mr. Nutter, are you prepared to make recommendations to the Commission today concerning the creation and extension of certain pools in Lea County, New Mexico?
 - Yes, I am.
- Have your recommendations been prepared in the form of an exhibit?
 - Yes, they have.
 - How is that marked? Q
 - Oil Conservation Commission's Exhibit 1 in Case 3045.
- Is that similar to the docket that has been prepared here today?
 - In many respects it is.



o Will you please refer to the exhibit and to the docket and point out the substance of the exhibit and your recommendations?

Yes. I'd recommend for Paragraph (a) that the South Double A-Abo Pool be created. The pool was discovered by Lone Star Producing Company's Atlantic State Number 1 in Unit G of Section 30, Township 17 South, Range 36 East. The well was completed in Abo-Detritus February the 14, 1964; the top of the perforations is 9148. The pool would comprise the northeast quarter of the Section 30.

I'd recommend that the Allison-Abo Pool be extended as shown in Paragraph (b) of the docket and on the exhibit, which are identical.

I'd recommend that the North Bagley-Upper Pennsylvanian Pool be extended as shown in Paragraph (c) of the docket, and in addition to that acreage that the northwest quarter of Section 15, Township 11 South, Range 33 East be added.

I'd recommend that the Baish-Wolfcamp be extended as shown on the docket and exhibit, which are identical.

I'd recommend that the South Lane-Pennsylvanian in Paragraph (e) be extended as shown on the docket and the exhibit.

I'd recommend the Lea-Bone Springs Pool in Paragraph (f) be extended as shown on the docket and exhibit, which are identical; also that the Sand Springs-Devonian Pool in Paragraph (g) be extended as shown on the docket and exhibit, which are



I recommend that the North Vacuum-Abo Pool in Paragraph identical. (h) be extended as shown on the docket and the exhibit, which are

I'll skip Paragraph (i) for the time, and go to Paragraph identical. (j). I recommend that it be extended as shown on the docket and exhibit, which are identical in some respects; also that the southeast quarter of Section 35, Township 17 South, Range 34 East be added to the pool.

Now, to Paragraph (i); it advertised extension of the Vacuum-Glorieta Pool. I'd recommend that this pool be extended as shown on the docket, also that the southeast quarter of Section 35, Township 17 South, Range 34 East, be added. In conjunction with this extension, which involves portions of about eight or nine sections, I would like to offer Exhibits 2 and 3 in this case; Exhibit 2 being a structural map of the Glorieta prepared by the Commission's Geological staff, which shows that the structure of the Glorieta formation in the Vacuum area comprises a high reef affair in the west end, which is the location of the original development. This high reef structure extends into a broad plateau to the east, which overlies the Abo reef.

Exhibit 3 in the case is a cross section showing that the formations across this area are continuous and in communication with each other, as far as the stratography is concerned.



DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, M. M. PHONE 325.1182 SANTA FE, N. M. PHONE 983.3971

ALBUQUERQUE, N. M. PHONE 243.6691

I would offer these two exhibits to substantiate this extension of this pool in these numerous sections.

- Was Exhibit 1 prepared by you or under your supervision?
- Yes, it was.
- And the Exhibit 2 was prepared by the Commission's Geological staff?
 - That's correct.
 - Who prepared Exhibit 3?
- Exhibits 2 and 3 were prepared by the geological staff in Hobbs.

MR. DURRETT: I move the introduction of Exhibits 1, 2 and 3, and that concludes my examination of Mr. Nutter.

MR. PORTER: I might state that these exhibits were prepared under instruction, for the Commission in making this study. Are there any objections? The exhibits will be admitted to the record.

> (Whereupon, Oil Conservation Commission Exhibits 1, 2 & 3 were admitted to the record.)

MR. PORTER: Any questions of Mr. Nutter? He may be excused.

(Witness excused.)

MR. PORTER: Does anyone have anything further to offer in this case? The Commission will take the case under advisement, and the hearing is adjourned.



DEARNLEY-MEIER REPORTING SERVICE, Inc. SANTA FE, N. M. PHONE 983.3971

ALBUQUERQUE, N. M. PHONE 243.6691

STATE OF NEW MEXICO) SS. COUNTY OF BERNALILLO)

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 29th day of May, 1964.

Court Reporter

My Commission Expires: June 19, 1967



BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF MES MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE GIL CONSERVATION COMPLESION OF THE STATE OF NEW MEXICO FOR THE FURECSE OF CONSIDERING:

CASE NO. 3043 ORDER NO. R-2705

THE AFFLICATION OF THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION FOR AN ORDER CREATING AND EXTENDING CERTAIN FOOLS IN LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on May 13, 1964, at Santa Fe, New Mexico, before the Gil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 6 day of May, 1964, 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 subject matter thereof.
- (2) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Abo formation, said pool to bear the designation of South Double A-Abo Fool. Said South Double A-Abo Pool was discovered by Lone Star Frod. Company, Atlantic State No. 1, located in Unit G of Section 30, Township 17 South, Range 36 East, NAEM. It was completed in Abo Detrital on February 14, 1964. The top of perforations is 9148 feet.
- (3) That there is need for certain extensions to the Allison-Abo Lool, the North Bagley-Upper Pennsylvanian Fool, the Baish-Wolfcamp Fool, the South Lane-Lennsylvanian Fool, the Lea-Bone Springs Fool, the Sand Springs-Devonian Pool, the Worth Vacuum-Abo Fool, the Vacuum-Glorieta Fool, and the Vacuum-Wolfcamp Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NORM SECTION 30: NE/4

0338 NO. 3045 Order No. R-2705

(b) That the Allison-Abo i ool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TO ANGELL 9 SOUTH, RANGE 36 RAST, NMEN SECTION 2: SH/4

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

TOWNSHIE 11 SOUTH, RANGE 33 EAST, NEWM SECTION 10: S/2

SECTION 15: N/2 SECTION 22: N/2 SE/4

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

TOWNSHIE 17 SOUTH RANGE 32 EAST, MARM SECTION 21: NE/4

(e) That the South Tane-Pennsylvanian Fool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMEN SECTION 34: SE/4

(f) That the Lea-Bone Springs bool in Lea County, New Mexico, as here-tofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIE 20 SOUTH, RANGA 34 ZAST, NMEM SECTION 11: SW/4

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

TOUNSHIP 11 SOUTH, RANGE 34 EAST, NMPM SECTION 11: W/2 NE/4

(h) That the North Vacuum-Abo Fool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 MAST, MMFM SECTION 31: W/2 N/2

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

TOWNSHIP 17 SOUTH, RANGE 34 BAST, NMRM SECTION 35: SE/4

TOUNSHIE 17 SOUTH, RANGE 35 MAST, REAM SECTION 26: NN/4
SECTION 27: A11
SECTION 28: A11
SECTION 29: A11
SECTION 30: 5/2 and NE/4
SECTION 31: S/2
SECTION 32: A11
SECTION 33: A11
SECTION 34: N/2 NJ/4

(j) That the Vacuum-Wolfcamp hool in Lea County, New Mexico, as here-tofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NAPM SECTION 35: SE/4

TOWNSHIP 17 SOUTH, RANGE 35 HAST NMPH SECTION 31: NU/4

IT IS FURTHER ORDERED:

That the effective date of this order and all creations and extensions included herein shall be June 1, 1964.

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

STATE OF NEW MEXICO

NIL CONSERVATION COMMISSION

ACK M. CAMPBELL, Chairman

A. L. LORTER, JR., Member & Secretary

NOMENCIATURE ADVERTISEMENT FOR MAY, 1964 CASE

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 a new pool in Lea County, New Mexico, and extensions of certain existing pools in Lea County, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations and extensions should not be made.

a) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Abo production, designated as the South Double A-Abo Pool, and described as:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, HMPM SECTION 30: NE/4

b) EXTEND the Allison-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 36 EAST, NHPH SECTION 2: SW/4

c) EXTEND the North Bagley-Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 10: 8/2 SECTION 15: NE/4 SECTION 22: N/2 SE/4

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

TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM SECTION 21: NE/4

e) EXTEND the South Lane-Ferneylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 34: SE/4

f) EXTEND the Lea-Bone Springs Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPH SECTION 11: SW/4

g) EXTEND the Sand Springs-Devonian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM SECTION 11: W/2 NE/4

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

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM SECTION 31: W/2 W/2

- -2- May, 1964 Momenclature
- i) EXTEND the Vacuum-Glorieta Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM SECTION 26: NW/4 SECTION 27: All SECTION 28: All SECTION 29: All SECTION 30: S/2 and NE/4 SECTION 31: S/2 SECTION 32: All SECTION 33: All SECTION 34: N/2 NW/4

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

TOWNSHIP 17 COUTH, RANGE 35 EAST, NAPH SECTION 31: NW/4

BEFORE THE OIL CONSERVATION COMPASSION OF THE STATE OF NEW MEXICO

INTER MATTER OF THE BUARING CALLED BY THE OLD CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

ORDER NO. R- 2045

THE APPLICATION OF THE OIL CONSERVATION CORMISSION UPON ITS OWN MOTION FOR AN ORDER CREATING AND EXTENDING CERTAIN POOLS IN LEA COUNTY, NEW MEXICO.



ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on May 13, 1964, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this <u>day of May, 1964</u>, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and heing 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 subject matter thereof.
- New Mexico, for the production of oil from the Abo formation, said pool to bear the designation of South Double A-Abo Pool. Said South Double A-Abo Pool was discovered by Lone Star Prod. Company, Atlantic State No. 1, located in the Ne/1, Unit G of Section 30, Township 17 South, Range 36 East, NMPM. It was completed in Abo Detrital on February 14, 1964. The top of perforations is 9148 feet.
- (3) That there is need for certain extensions to the Allison-Abo Pool, the North Bagley-Upper Pennsylvanian Pool, the Baish-Wolfcamp Pool, the South Lane-Pennsylvanian Pool, the Lea-Bone Springs Pool, the Sand Springs-Devonian Pool, the North Vacuum-Abo Pool, the Vacuum-Glorieta Pool, and the Vacuum-Wolfcamp Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM SECTION 30: NE/4

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

TOWNSHIP 9 SOUTH, RANGE 36 EAST, MMPM SECTION 2: SW/4

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

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM SECTION 10: S/2

SECTION 15: NE/4 and NE/4 N/2

SECTION 22: N/2 SE/4

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 - (d) That the Baish-Wolfeamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:
 - TOWNSHIP 17 SOUTH, RANGE 32 EAST, NAPM SECTION 21: NE/4
 - (e) That the South Lane-Pennsylvanian Pool in Lea County, New Mexico, as heretofoxe classified, defined, and described, is hereby extended to include therein:
 - TOWNSHIP 10 SOUTH, RANGE 33 EAST, NMPM SECTION 34: SE/4
 - (f) That the Lea-Bone Springs Pool in Lea Gounty, New Mexico, as here-tofore classified, defined, and described, is hereby extended to include therein:
 - TOWNSHIP 20 SOUTH, RANGE 34 EAST, NIPM SECTION 11: SW/4
 - (g) That the Sand Springs-Devonian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:
 - TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM SECTION 11: W/2 NE/4
 - (h) That the North Vacuum-Abo Pool in Lea County, New Mexico, as here-tofore classified, defined, and described, is hereby extended to include therein:
 - V TOWNSKIP 17 SOUTH, RANGE 35 EAST, NMPM SECTION 31: W/2 W/2
 - (i) That the Vacuum-Glorieta 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 35: SE/4
 - TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM SECTION 26: NW/4 SECTION 27: All SECTION 28: All SECTION 29: All SECTION 30: S/2 and NE/4SECTION 31: S/2 SECTION 32: A11 SECTION 33: All SECTION 34: N/2 NW/4
 - (j) That the Vacuum-Wolfcamp Pool in Lea County, New Mexico, as here-tofore classified, defined, and described, is hereby extended to include therein:
 - TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM SECTION 35: SE/4
 - TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM SECTION 31: NW/4

IT IS FURTHER ORDERED:

That the effective date of this order and all creations and extensions included herein shall be June 1, 1964.

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*.DONE at Santa Pe, New Mexico, on the day and year hereinahove designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

E. S. Walker, Member

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

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