CASE 11197: In the matter of the hearing called by the Oil Conservation Division upon its own motion for an order creating, extending horizontal and vertical limits, and redesignating certain pools in Chaves and Lea Counties, New Mexico.

(a) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Delaware production and designated as the Beil Lake-Delaware Pool. The discovery well is the Strata Production Company Papagayo Federal Well No. 1 located in Unit M of Section 27, Township 23 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH. RANGE 34 EAST. NMPM Section 27: SW/4

(b) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for San Andres production and designated as the Casey-San Andres Pool. The discovery well is the Yates Petroleum Corporation Burton AER Well No. 1 located in Unit J of Section 26, Township 16 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH. RANGE 37 EAST. NMPM Section 26: SE/4

(c) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Strawn production and designated as the West Knowles-Strawn Pool. The discovery well is the Anson Gas Corporation Anderson 33 Well No. 1, bottom hole location in Unit G of Section 33, Township 16 South, Range 38 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH. RANGE 38 EAST. NMPM Section 33: NE/4

(d) CREATE a new pool in Lee County, New Merico, classified as an oil pool for Grayburg production and designated as the Northeast Lea-Grayburg Pool. The discovery well is the Mallon Oil Company Mallon 34 Federal Well No. 1 located in Unit D of Section 34, Township 19 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH. RANGE 34 EAST. NMPM Section 34: NW/4

(e) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Atoka production and designated as the Southeast Lusk-Atoka Gas Pool. The discovery well is the Fina Oil & Chemical Company Federal HH 33 Well No. 1 located in Unit G of Section 33, Township 19 South, Range 32 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM Section 33: N/2

- (f) EXTEND the vertical limits of the Hardy-Simpson Pool in Lea County, New Mexico, to include the Ellenburger formation and redesignate said pool as the Hardy Simpson-Ellenburger Pool.
- (g) EXTEND the Chaveroo-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM Section 24: NE/4

(h) EXTEND the Gem-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH. RANGE 33 EAST. NMPM Section 22: N/2

(i) EXTEND the Northeast Lea-Delaware Pool in Lea County, New Mexico, to include therein:

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

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM Section 3: NE/4

(j) EXTEND the East Livingston Ridge-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 32 EAST, NMPM Section 10: W/2

(k) EXTEND the East Lusk-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM Section 1: W/2 Section 2: NE/4

(1) EXTEND the Mesa Verde-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH. RANGE 32 EAST. NMPM Section 7: NW/4

(m) EXTEND the Red Hills-Bone Spring Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 25 SOUTH. RANGE 34 EAST. NMPM Section 6: SW/4 Section 7: SE/4

(n) EXTEND the West Red Tank-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH. RANGE 32 EAST. NMPM Section 14: SE/4 Section 34: NW/4

TOWNSHIP	8 South	RANGE	32 East		NMPM	
6		4-		-3	2	┝━┿━┪╶┼
+ 7				- 0	<b>└──</b> └ <u></u>	12-
				-15	14-	3
			$\left  \right $			
-19	20	21 -		-22	23	24
	20			_27		25
-30	29			-21	26	23
					$\left  \right  $	
			+			
-31				-34	35	
RPOSE: One	completed o	oil well ca	pable of	producin	ng.	
tes Petroleu	m Corporati	on Shell J	ames A00	Federal	Well No. 1 10	ocated in U
of Section 2	4, Township	8 South,	Range 32	East, NM	IPM. It was o	completed
tober 24, 19	94, in the	San Andres	formati	on. The	top of the pe	erforations
at 4,268 fe	et.					

Proposed pool extension outlined in green. Section 24: NE/4

12.00.0

4244

#### COUNTY LEA

POOL BELL LAKE-DELAWARE

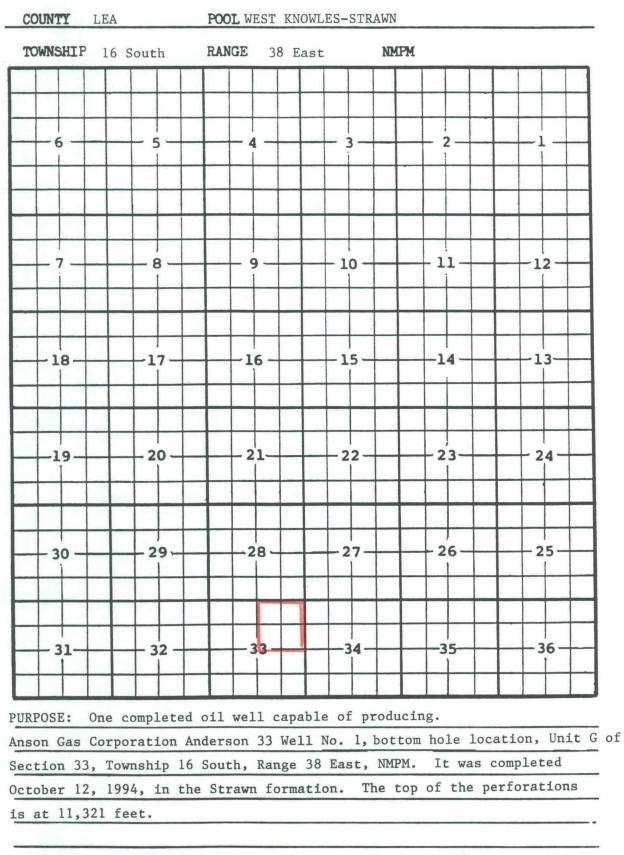
TOWNSHIP 23 South RANGE 34 East NMPM 6 -5. 4. 3 -2 -7. 8 -9 -10-12-11 -I 18-17. 16-15 14. 13. I 19. 20-21-22-24. 23. 30-29-28-27 -26-25-1 1 1 Ł 31. 32. 33-34. 35-36-PURPOSE: One completed oil well capable of producing. Strata Production Company Papagayo Federal Well No. 1 located in Unit M of Section 27, Township 23 South, Range 34 East, NMPM. It was completed September 7, 1994, in the Delaware formation. The top of the perforations is at 6,892 ft. Proposed pool boundary outlined in red. Section 27: SW/4

CASE NO. 11197 (b) CREATION OF A NEW OIL POOL

TOWNSHIP	16 Sc	outh	RANC	<b>E</b> 37	East		NMPM				
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6-		- 5		- 4 -		- 3 i		- 2			
7-		-8-		- 9 -		- 10 -		- 11		-12-	
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	_	-17-		-16 -		-15-		-14-	_	-13-	1
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		- 20		- 21-		-22-		- 23-		- 24 -	┝
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								$\left  \right $	+	+	+
30		- 29		-28-		-27-	+	- 26-	-	- 25-	+
	+	+++							-		t
	+								-		t
	+								-		t
31		- 32 -		-33-		-34-		-35-		- 36 -	t
	-								-		t
PURPOSE:	One	complete	ed oil	well	capab:	Le of 1	produci	ing.			
Yates Pet		-							in Un	nit J (	of
Section 2			The second second					And in case of the local division of the loc	Contraction of the	and the second second second	-
June 3, 1	the local division in which the local division in which the local division in the local		and the second se	the second s	and the second se		and a local data was a local data w				
is at 4,9		Carlo and a second second second									_

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CASE NO. 11197 (c) CREATION OF A NEW OIL POOL



Proposed pool boundary outlined in red. Section 33: NE/4

TOWNSHIP	19 South	RANGE 34 H	last N	МРМ	
6		4		2	
					<u> </u>
7		9	10		
18		16			
-19	20	21	22	27	
	20			23	24
-30		-28	27	26	25
	-				
	32				

Mallon Oil Company Mallon 34 Federal Well No. 1 located in Unit D of Section 34, Township 19 South, Range 34 East, NMPM. It was completed October 6, 1994,

in the Grayburg formation. The top of the perforations is at 5,094 feet.

Proposed pool boundary outlined in red. Section 34: NW/4

## COUNTY LEA POOL SOUTHEAST LUSK-ATOKA GAS

TOWNSHIP 19	South	RANGE 32 Ea	st N		
- 6	- 5		3	2	
					_
- 7	8	9		-+- Ý -+- †	
- 18	-17				
-19	20	21	22	23	24
-30	-29		27	26	25
-31	32		34	35	36
POSE: One co	mpletd gas	well capable	of producing.		
a Oil & Chemi	cal Company	Federal HH 3	3 Well No. 1	located in Un	nit G of

1994, in the Atoka formation. The top of the perforations is at 12,040 feet.

Proposed pool boundary outlined in red. Section 33: N/2

COUNTY	LEA
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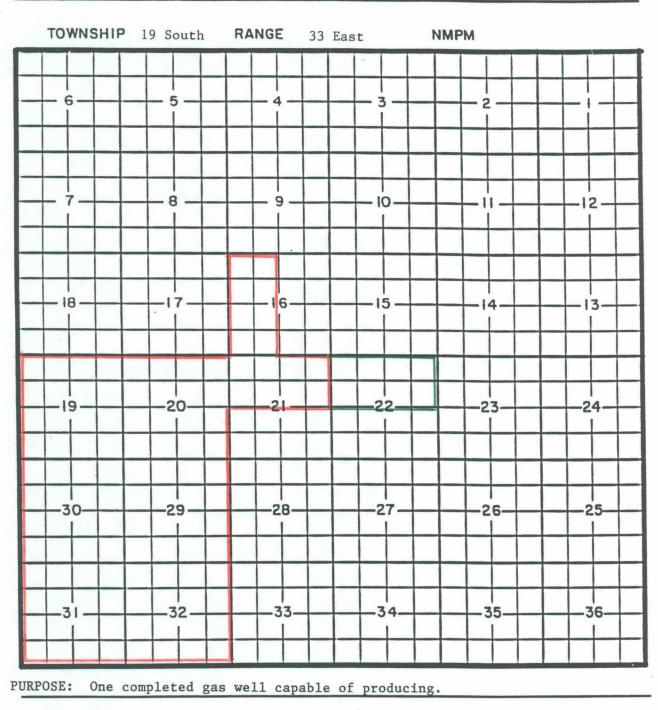
POOL HARDY-SIMPSON

TOWNSHIP 20 South	RANGE 37	East N	IMPM	
- 6 5 -		3		
		Ĩ	Ī	
- 7 8	9			
- 7 8 -	9	10		12
- 18		15		
-19-20-	21	22	23	24
_3029		27	26	25
_3132_	33	34	-35	

the Ellenburger formation and redesignation to the Hardy Simpson-Ellenburger Pool

Pool boundary outlined in red.

#### COUNTY TTA



Santa Fe Energy Operating Partners L.P. Amethyst 22 Federal Well No. 1 located

in Unit C of Section 22, Township 19 South, Range 33 East, NMPM. It was

completed April 12, 1994, in the Morrow formation. The top of the perforations is at 13,248 feet

Pool boundary outlined in red.

Proposed pool extension outlined in green. Section

N/2

LEA

POOL NORTHEAST LEA-DELAWARE

TOWNSHIP	19 South	RANGE	34 Eas	t	NMF	M			_
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				+					_
									-
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	8	9-		-10-				-12	-
									-1
									1
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		+ $+$ $+$ $+$		+					_
				+	- -	$\left  \right $	_		_
	20	21-	+	-22-	$\left  \right $	-23-		-24	-
			+			$\left  \right $			-
									-
									-
	29			-27-		26-		25	
						-35-		-36	_
								$\left  \right $	_
PURPOSE: Two o	completed of	l wells o	apable	of prod	ucing.				
Mallon Oil Co.	Mallon 34 H	Federal WE	211 No.	3 locat	ed in 1	Unit I o	f Sect	ion 34,	T195
R34E, completed	November 2	25, 1994,	in the	Delawar	e forma	ation.	The to	op of the	e
perforations is	at 5,842 f	eet. Mal	lon 011	Co. Ma	11on 34	4 Federa	1 Well	L No. 2	locate
in Unit A of Se	ction 34, 1	19S, R34E	, compl	Leted Oc	tober (	30, 1994	, in t	the Dela	ware
formation. The					-				
Pool boundary o			Long It						
Proposed pool o				Contra	on 24.	F/0			

Proposed pool extension outlined in green. Section 24: E/2

-

#### LEA

POOL NORTHEAST LEA-DELAWARE

1

TOWNSHIP	20 South	RANGE 34	4 East	NMPM	
			· ·		
6				2	
				┥┥┥┥	
7	8		10-		-12
18	-17	16-			13
19	20	21	22	23	_24
				+ + + + +	+
				+ + + + + + - + - + - + - + - + - + - +	+
					+
				26	-25
PURPOSE: Two o					
				in Unit I of Sec	
				formation. The	
perforations is	at 5,842	feet. Mallo	on Oil Co. Mall	on 34 Federal We	11 No. 2 locate
				ber 30, 1994, in	the Delaware
			ons is at 5,878	feet.	
Pool boundary of	outlined in	red.			
Proposed pool e	exterion of	utlined in g	green. Section	3. NE/4	

POOL EAST LIVINGSTON RIDGE-DELAWARE

4

TOWNSHIP	22 South	RANGE	32 East	NMPM	
		4-4-	<u> </u>	2	+
		$\left  - \right  - \left  - \right $	+ - + - + - + - + - + - + -		
7		9	0		
					12
	-17	16-	15		
	20	21-	22	23	24
	29		27	26	
		-			
PURPOSE: One	completed o	il well of	apable of produc	ing.	
				l in Unit E of Se	ction 10.
				ompleted February	
in the Delawar	re formation	. The top	p or the periors	ations is at 7,16	
	. 1			-	
Pool boundary			n green. Sectio	on 10: W/2	
Proposed pool	extension C	attiled 1	a green. Detti		

CO	UN	TY	LEA	

POOL EAST LUSK-DELAWARE

TOWNSHIP 20 South	RANGE 32 East	NMPM	
6	4	32	
	+ + + + + + + + + + + + + + + + + + +		
		+	
	9		12
18 17 17	16	15	13
		+ $+$ $+$ $+$ $+$ $+$ $+$	
	21	22-23-	24
30-29-	28	27 26	25
	╉╌┼╌┠╌┠╌┠	+ + + + + + + - + - + - + - + - + - + -	
31 32	33	34-35-	36
PURPOSE: One completed of	il well capable of p	producing.	
Yates Petroleum Corporatio	on Snyder AKY Well M	No. 1 located in Unit	t L of Section
1, Township 20 South, Rang	ge 32 East, NMPM.	It was completed Nove	ember 2, 1994,
in the Delaware formation	. The top of the pe	erforations is at 4,8	368 feet.
Pool boundary outlined in	red.		
Proposed pool extension of	utlined in green.	Section 1: W/2	
		Section 2: NE/4	

POOL MESA VERDE-DELAWARE

_	TOWNSHIP	24 South	RANGE	32 East		NMPM	
E							
-	6		4-		-3		
-			-   -	+			
	7		9-		- 10		
				+			
-	- 18	-17	16-		-15		
-				·			
	-19	20	21-		_22	23	24
-							
H							
-							
	-30	-29			-27-	26	
	31				_34		
-							
		completed oil					Unit C of
Colorado de la colorado						o. 2 located in	
Construction of the local division of the lo							ed September 21,
199	4, in the De	elaware form	ation. T	he top o	f the pe	rforations is a	t 8,531 feet.
_							
Poo	1 boundary o	outlined in	red.				
Pro	posed pool e	extension ou	tlined in	green.	Section	7: NW/4	

POOL RED HILLS-BONE SPRING

1

TOWNSHIP 25	South	RANGE 34 1	East	NMPM	
6	- 5	4		22	
	-8	9	10		12
	-17				
		21	22	23	24
	-29		27	26	
	32				
PURPOSE: Two con Enron Oil & Gas (		l wells capab Federal Well			f Section 6,
1255, R34E, comp.					
No. 1 located in					
t <u>he Bone Spring</u> Pool boundary ou			the perforat	ions isa t 12,	236 feet.
Proposed pool ex			en. Section	6: SW/4	
	0		Section	7: SE/4	

LEA

POOL WEST RED TANK-DELAWARE



22 South RANGE 32 East

NMPM

