

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

TONEY ANAYA GOVERNOR

August 10, 1984

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

er. Michael Fredette Re:	CASE NO. 3263 ORDER NO. R-7628
Shell Western E & P, Inc. P. O. Lox 576	
Mouston, Texas 77001	Applicant:
	Shell Western E & P, Inc.
Dear Sir:	
Enclosed herewith are two cop Division order recently enter	
Yours very truly,	
nex tames	
JOE D. RAMEA	
Director	
JDR/fd	
Copy of order also sent to:	
Hobbs OCD x	
Artesia OCDx Aztec OCD	
Other	

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 8263 Order No. R-7628

APPLICATION OF SHELL WESTERN E & P INC. FOR UNORTHODOX LOCATIONS, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on July 11, 1984, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this <u>10th</u> day of August, 1984, the Division Director, 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 Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the Oil Conservation Commission of New Mexico, by its Order No. R-6198 dated November 30, 1979, approved statutory unitization for the North Hobbs Grayburg-San Andres Unit Area, Hobbs Grayburg-San Andres Pool, Lea County, New Mexico, and, by its Order No. R-6199 dated November 30, 1979, authorized institution of the North Hobbs Grayburg-San Andres Unit Pressure Maintenance Project in the North Hobbs Grayburg-San Andres Unit Area.
- (3) That the applicant herein, Shell Western E & P Inc., seeks authority to drill 35 North Hobbs Grayburg-San Andres Unit wells at the uncrthodox locations described in Exhibit "A" attached hereto.
- (4) That the unorthodox locations are necessary to permit the completion of an efficient production and injection pattern within the North Hobbs Grayburg-San Andres

-2-Case No. 8263 Order No. R-7628

Unit Pressure Maintenance Project and will result in the acovery of otherwise unrecoverable oil and gas, thereby preventing waste.

- (5) That the quarter-quarter section wherein each of said wells is drilled should be dedicated to such well.
- (8) That approval of the application in this cause will afford the applicant the opportunity to produce without waste its just and equitable share of the oil and gas in the dobbs Grayburg-San Andres Pool, thereby protecting correlative rights.

IT IS THEREFORE ORDERED:

- (1) That the applicant, Shell Western E & P Inc., is nereby authorized to drill each of the wells listed on Ithibit "A" attached hereto and by reference herein incorporated, in its North Hobbs Grayburg-San Andres Unit at the location described in Exhibit "A", Lea County, New Mexico.
- (2) That the quarter-quarter section wherein each of said wells is drilled shall be dedicated to such well.
- (3) That jurisdiction of this cause is retained for the sutry of such further orders as the Division may deem necessary.

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

JOE D. RAMEY

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

Director

SEAL

fd/

NORTH HOBBS GRAYBUPG-SAN ANDRES UNIT AREA PRESSURE MAINTENANCE PROJECT

HOBBS GRAYBURG-SAN ANDRES POOL LEA COUNTY, NEW MEXICO

Unorthodox Locations

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM

Section No.	Unit Well No.	Unit Letter	$\overline{\nu}$	Well_	Lo	ocation	ī
13	342	O	1200'	FSL	S.	2500 '	FEL
13	442	P	1200'	ISL	&	220'	FEL
24	212	С	1230'	FNL	S.	26201	FWL
24	312	В	10'	FNL	S.	2630'	FEL
24	342	O	145'	FSL	&	1435	FEL
2 4	414	A	10'	FIL	S.	1280'	FEL
24	432	I	2480	FSL	&	1280'	FEL
24	442	P	1260'	FSL	&	200'	FEL

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMF.

1 212 C 160' FNL & 1460' FWL 1 232 K 2795' FNL & 1390' FWL 19 332 J 1430' FSL & 2535' FEL 19 442 P 1100' FSL & 380' FEL 20 132 L 2490' FSL & 180' FWL 28 122 E 1592' FNL & 200' FWL 29 122 E 1600' FNL & 180' FWL 29 322 G 1430' FNL & 2350' FEL 29 323 G 2540' FNL & 2500' FEL 29 323 G 2540' FNL & 2500' FEL 29 323 G 2540' FNL & 2500' FEL 30 112 D 200' FNL & 1310' FWL 30 113 D 1310' FNL & 195' FWL 30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FSL 30 432 I 2260' FSL & 1600' FSL 31 422 H	Section No.	Unit Well No.	Unit <u>Letter</u>	Ī	Well_	<u> </u>	ocation	<u>n</u>
19 332 J 1430' FSL & 2535' FEL 19 442 P 1100' FSL & 380' FEL 20 132 L 2490' FSL & 180' FWL 28 122 E 1592' FNL & 200' FWL 29 122 E 1600' FNL & 180' FWL 29 322 G 1430' FNL & 2350' FEL 29 323 G 2540' FNL & 2500' FEL 29 442 P 1230' FSL & 170' FEL 30 112 D 200' FNL & 1310' FWL 30 233 K 2455' FSL & 1480' FWL 30 233 K 2455' FSL & 1480' FWL 30 323 J 2470' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 J 2260' FSL & 180' FEL 30 432 J 2260' FSL & 180' FEL 30 432 J 2259' FNL & 600' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 33 223 F 2630' FNL & 1410' FWL 34 35 242 H 2259' FNL & 1400' FEL 35 312 B 210' FNL & 1410' FWL 36 33 242 H 2540' FNL & 110' FEL 37 38 242 H 2550' FSL & 2350' FEL 38 423 H 2540' FNL & 110' FEL 39 423 H 2540' FNL & 110' FEL 30 424 N 1280' FSL & 2530' FWL	1			160'	FNL	&	1460'	FWL
19	"	232		2795 '	\mathtt{FNL}	&	1390'	FWL
20 132 L 2490' FSL & 180' FWL 28 122 E 1592' FNL & 200' FWL 29 122 E 1600' FNL & 180' FWL 29 322 G 1430' FNL & 2350' FEL 29 323 G 2540' FNL & 2500' FEL 29 323 G 2540' FNL & 170' FEL 30 112 D 200' FNL & 1310' FWL 30 113 D 1310' TNL & 195' FWL 30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 31 422 H 2259' FNL & 1410' FWL 32 312 B 210' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 32 422 H 1385' FNL & 110' FEL 33 212		332	J	1430'	FSL	&	2535 '	FEL
28 122 E 1592' FNL & 200' FWL 29 122 E 1600' FNL & 180' FWL 29 322 G 1430' FNL & 2350' FEL 29 323 G 2540' FNL & 2500' FEL 29 442 P 1230' FSL & 170' FEL 30 112 D 200' FNL & 1310' FWL 30 113 D 1310' TNL & 195' FWL 30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FEL 30 432 I 2260' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 32 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 33 212 C	19	442	P	1100'	FSL	&	380'	FEL
29 122 E 1600' FNL & 180' FWL 29 322 G 1430' FNL & 2350' FEL 29 323 G 2540' FNL & 2500' FEL 29 442 P 1230' FSL & 170' FEL 30 112 D 200' FNL & 1310' FWL 30 113 D 1310' TNL & 195' FWL 30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FEL 30 432 I 2260' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 312 B 210' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 32 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C	20	132	L	2490'	FSL	&	180'	FWL
29 322 G 1430' FNL & 2350' FEL 29 323 G 2540' FNL & 2500' FEL 29 442 P 1230' FSL & 170' FEL 30 112 D 200' FNL & 1310' FWL 30 113 D 1310' TNL & 195' FWL 30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FEL 30 432 I 2260' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N	28	122	E	1592'	FNL	&	200'	FWL
29 323 G 2540' FNL & 2500' FEL 29 442 P 1230' FSL & 170' FEL 30 112 D 200' FNL & 1310' FWL 30 113 D 1310' TNL & 195' FWL 30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FEL 30 444 P 215' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 332 J 1550' FSL & 1280' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1420' FWL 33 212 C 205' FNL & 1420' FWL 33 242 N	29	122	E	1600'	FNL	â	180'	FWL
29 442 P 1230' FSL & 170' FEL 30 112 D 200' FNL & 1310' FWL 30 113 D 1310' FNL & 195' FWL 30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FEL 30 444 P 215' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 422 H 1385' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	29	322	G	1430'	FNL	&	2350'	FEL
30 112 D 200' FNL & 1310' FWL 30 113 D 1310' FNL & 195' FWL 30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FEL 30 432 I 2260' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 31 422 H 2259' FNL & 600' FWL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	29	323	G	2540'	FNL	&	2500'	FEL
30 113 D 1310' INL & 195' FWL 30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FEL 30 444 P 215' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	29	442	P	1230'	FSL	&	170'	FEL
30 233 K 2455' FSL & 1480' FWL 30 242 N 200' FSL & 1400' FWL 30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FEL 30 444 P 215' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	30	112	D	200'	FNL	&	1310'	FWL
30	30	113	D	1310'	INL	&	195'	FWL
30 332 J 2470' FSL & 1600' FEL 30 432 I 2260' FSL & 180' FEL 30 444 P 215' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	30	233	K	2455'		&	1480'	FWL
30 432 I 2260' FSL & 180' FEL 30 444 P 215' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	30	242	N	200'	FSL	&	1400'	FWL
30 444 P 215' FSL & 1255' FEL 31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	30	332	J	2470'	FSL	&	1600'	FEL
31 422 H 2259' FNL & 600' FEL 32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	30	432		2260'	FSL	&	180'	FEL
32 143 M 1185' FSL & 300' FWL 32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	30	444	P	215'	FSL	&	1255'	FEL
32 223 F 2630' FNL & 1410' FWL 32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	31	422	H	2 259 '	FNL	&	600'	FEL
32 312 B 210' FNL & 1400' FEL 32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 254(FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	32	143	M	1185'	FSL	&	300'	FWL
32 332 J 1550' FSL & 2350' FEL 32 422 H 1385' FNL & 110' FEL 32 423 H 2540 FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	32	223	F	2630 '	FNL	&	1410'	FWL
32 422 H 1385' FNL & 110' FEL 32 423 H 2546' FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	32	312	В	210'	FNL	&	1400'	FEL
32 423 H 254(FNL & 1280' FEL 33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	32	332	J	1550'	FSL	&	2350'	FEL
33 212 C 205' FNL & 1420' FWL 33 242 N 1280' FSL & 2530' FWL	32	422	Н	1385'	FNL	&	110'	FEL
33 242 N 1280' FSL & 2530' FWL	32	423	H	2540	FNL	&	1280'	FEL
	33	212	С		FNL	&	1420'	FWL
33 323 G 2495' FNL & 1420' FEL	33	242	N	1280'	FSL	&	2530'	FWL
	33	323	G	2495 '	FNL	&	1420'	FEL

EXHIBIT "A"
CASE NO. 8263
ORDER NO. R-7628