(July 1992)

N. M. OIL CONS. COMMISSION

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

P. O. BOX PUBLIFIED STATES HOBBS, NEW MEXICOL 88240 DEPARTMENT OF THE INTERIOR

	DEPARTME					5. LEASE DESIGNATION AN	D SERIAL NO.
	BUREAU OF	LAND MANA	AGEME	ENT RECEIVE		NM LC063586	
ADDI	ICATION FOR	DEDMIT		VECEIVE	D	6. IF INDIAN, ALLOTTEE O	R TRIBE NAME
la. TYPE OF WORK b. TYPE OF WELL	RILL X	DEEPEN		·	L 10	N/A 7. UNIT AGREEMENT NAM Southern Calif Unit	-
OIL	GAS WELL OTHER W	IW	В	UREATHOF LANDP	MCM7	8. FARM OR LEASE NAME,	
2. NAME OF OPERATOR				2905WELL OFFIC	CE		12 W
Parker & Parsley		<u> </u>				9. API WELL NO.	
3. ADDRESS AND TELEPHONI P.O. Box 3178 Mi				015 5	71-3976		
4. LOCATION OF WELL (Repo	ort location clearly and in accord		-	ents.*)	71-3370	10. FIELD AND POOL, OR W Lusk Delaware,	
UL - G, 1650' FEL At proposed prod. zone	. & 2200' FNL, Sec.	29, T19S, R	32E	i Sjesi to Line Appro	uel.	11. SEC., T., R., M., OR BLK	
Same As Above	WATU	ER INTE	ic Ti		766	AND SURVEY OR AREA Sec. 29, T19S,	DOOE
14. DISTANCE IN MILES AND	DIRECTION FROM NEAREST TOW	N OR POST OFFICE*				12. COUNTY OR PARISH	13. STATE
40 miles West-Sou	ithwest of Hobbs, N	Ψ	,			Lea	NM
LOCATION TO NEAREST	C PT		16. NO.	OF ACRES IN LEASE	17. NO. OF A	ACRES ASSIGNED WELL	
(Also to nearest drlg, unit	line, if anv) 1650		56		<u> </u>	40	
TO NEAREST WELL, DRILL OR APPLIED FOR, ON THIS	LING, COMPLETED,		l	DPOSED DEPTH	i	OR CABLE TOOLS	
21. ELEVATIONS (Show wheth			/21	UU	Rota	22. APPROX. DATE WORK	WILL STADES
GR 3559'						July 1, 1997	. WILL START
23.	P	ROPOSED CASINO	AND C	EMENTING PROGRAM		Guly 1, 1337	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOO		SETTING DEPTH		QUANTITY OF CEME	CANT
17 1/2"	13 3/8", J-55	54.5#		850'	675 sx	CIRCULATE	741
11"	8 5/8", J-55	24# & 32	#	4200'		x - Two Stage	
7 7/8"	5 1/ව ්µජු\<u>1</u>55 ු F	Q NO.15.5#			1250 s	x	
·	PROPERTY	NO.					
	POOL CODE			water and the second			
SEE ATTACHED	EFF. CATE		-				
	APINO.						
	OPER, OG	RID NO3	63	24			
	PROPERT	YNO. 16	68	3			
	POOL CO	DE 41	54	D			
-10863	EFF. DATE	9/8	Par)			
(000	API NO.	30.021	j- 2	4132			
ABOVE SPACE DESCRIBE	E PROPOSED PROGRAM: Interest data on subsurface locations	f proposal is to deep and ineasured and t	en, give o	data on present productive zone al depths. Give blowout preven	and proposed ter program,	I new productive zone. If proif any.	oposal is to drill o
SIGNED	Bit With		LE Sr	. Operations Engine	er	DATE 5/14/97	
(This space for Federal or	State office use)	ೆ 5ubject to)				
	19 2.5 (20) .a	i depareme		d			
PERMIT NO.	Bron etc.	- Signalations		APPROVAL DATE			
Application approval does not w	arrant or certify that the applicant hold	8 legal or equitable title	to those rig	hts in the subject lease which would en	ntitle the applica	nt to conduct operations thereon.	

*See Instructions On Reverse Side Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ADM. MINERALS

(ORIG. SGD.) TONY L. FERGUSON

ATTACHMENT Southern California Federal Unit #12 WIW

The operator proposes to drill to a depth sufficient to test all of the Delaware Sands for oil. If productive, 5 ½" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with Federal regulations. Specific plans, as per On Shore Oil & Gas Order #1 are included in the following attachments

DRILLING PROGRAM

SURFACE USE AND OPERATING PLAN

Exhibit #1 - BOPE Schematic

Exhibit #2 - Location & Elevation Plat Exhibit #3 - Lease Road & Topo Plat Exhibit #4 - Highway Access Plat

Exhibit #5 - Existing Wells in One Mile Radius Exhibit #6 - Water Injection System - Schematic Exhibit #7 - Water Injection Distribution Lines Exhibit #8 - Water Injection System - Topo Plat Exhibit #9 - Drilling Rig Layout - Schematic DISTRICT I ... P.O. Box 1960, Hobbs, NM 66241-1980

State of New Mexico

Energy, Minerals and Natural Resources Departn

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 86211-0719

DISTRICT III
1000 Ric Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

DISTRICT IV Santa Fe, New Mexico 87504-2088 P.O. HOX 2088, SANTA FE, N.M. 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 317-1775-34132	Pool Code 41540	Pool Name Lusk Delaware, West				
Property Code	Рторе	Well Number				
016683	Southern Cali	fornia Federal Unit	12 WIW			
OGRID No.		tor Name	Elevation			
036324	PARKER &	PARSLFY DEVELOPMENT L.P.	3559			

Surface Location

į	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	G	29	19 S	32 E		2200	NORTH	1650	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	or Infill Co	pnsolidation	Code Or	der No.			<u></u>	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and bettef.
75200.	Signature J. Britt Hirth Printed Name
3560.0' 3562.3' 3557.9' 3559.9'	Sr. Operations Engineer Tiue 5/14/97 Date SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief.
	JAN. 31, 1997 Date Surgedy. DMCC Signature & Seal of S Professional Surgeyor
	Certificate No. 104 W VEST 676 RONALD EIDSON 3239 12641

DRILLING PROGRAM

Attached to Form 3160-3
Parker & Parsley Development L.P.
Southern California Federal Unit No. 12 WIW
1650' FEL & 2200' FNL
SW/NE, Sec. 29, T19S, R32E
Lea County, New Mexico

1. Geologic Name of Surface Formation:

Quaternary Alluvium & Bolson deposits (dune sand; sandy, silty clay)

2. <u>Estimated Tops of Important Geologic Markers</u>:

Anhydrite	850
Salt	975
Base of Salt	2475'
Yates	2625'
Delaware Sands	4425'
Bone Springs Lime	7125'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Surface Water Sands	above 250'	Fresh water
Yates	2625'	Oil
Delaware	4425' to 7100'	Oil

No other formations are expected to give up oil, gas or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 13-3/8" casing at 850' +/- and circulating cement to the surface. Potash will be protected by setting 8-5/8" casing at 4200'+/- and circulating cement back to the surface with the use of a stage tool at 2600'+/-. In the event 5-1/2" production casing is set, sufficient cement volume will be pumped to attempt to fill the entire annular area from TD to surface.

4. <u>Casing Program</u>:

Hole Size	Interval	OD csg	Weight, Grade, Jt., Cond. Type
17-1/2"	0 - 850'	13-3/8"	54.5#, J-55, ST&C, New
11"	0 - 2600'	8-5/8"	24#, J-55, ST&C, New
11"	2600 - 4200'	8-5/8"	32#, J-55, ST&C, New
7-7/8"	0 - 7200'	5-1/2"	15.5#, K-55, LT&C, New

SOUTHERN CALIFORNIA FEDERAL UNIT No. 12 WIW DRILLING PROGRAM PAGE 2

Cementing Program:

13-3/8" Surface Casing 475 sx 35/65 Poz "C", 6% gel., 5%

salt, 1/4#/sx cellophane flakes; followed by 200 sx "C", 2% CaCl,

1/4#/sx cellophane flakes.

8-5/8" Intermediate: 1st stage: 500 sx 35/65 Poz "C", 6%

(Stage Tool @ 2600') gel., 5% salt, 1/4#/sx cellophane; followed by 200 sx "C", 1% CaCl, 1/4#/sx cellophane

flakes.

2nd stage: 800 sx 35/65 Poz "C", 6% gel., 5% salt, 1/4#/sx cellophane flakes; followed by 125 sx "C", 2% CaCl, 1/4#/sx cellophane

flakes.

5-1/2" Production Casing: 1250 sx 50/50 Poz "C", 2% gel., 5% salt,

0.5% FL-25 (Fluid Loss). This is designed

to bring cement to surface.

5. <u>Minimum Specifications for Pressure Control:</u>

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (3000 PSI WP) preventer and a bag-type (Hydril) preventer (3000 PSI WP). Both units will be hyraulically operated and the ram-type preventer will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. Both BOP's will be installed on the 13-3/8" surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 PSI before drilling out of surface casing. Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 3000 PSI and the bag-type (Hydril) preventer will be tested to 70% of rated working pressure (2100 PSI).

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily time sheets.

A 2" kill line and a 3" choke line will be installed on the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include the choke lines and choke manifold (3000 PSI WP), kelly cock and floor safety valve (inside BOP).

SOUTHERN CALIFORNIA FEDERAL UNIT NO. 12 WIW DRILLING PROGRAM PAGE 3

6. <u>Types and Characteristics of the Proposed Mud System:</u>

This well will be drilled to TD with a combination of fresh water, brine and fresh water polymer systems. The applicable depths and properties of systems are planned as follows:

		WEIGHT	VISCOSITY	WATER LOSS
<u>DEPTH</u>	<u>TYPE</u>	(ppg)	(Sec)	(cc)
0 - 850'	Fresh Water-Gel	8.4 - 8.9	30 - 32	25 cc - N/C
850 - 4200'	Brine Water	9.9 - 10.1	28 - 29	N/C
4200 - 6000'	Fresh Water	8.4 - 8.5	28	N/C
6000 - TD	Fresh Water, Gel,	8.7 - 9.1	30 - 36	12 cc or less
	Polymer			

Loss of circulation may occur in the Capitan Reef at about 2800'. If loss can not be corrected reasonably, it may be necessary to dry-drill from the loss depth to 4200'+/-. Sufficient mud mixing materials to maintain the mud properties and to meet reasonable lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. <u>Auxiliary Well Control and Monitoring Equipment</u>:

- A. A lower kelly cock will be in continuous service while drilling.
- B. A fully opened, fully serviceable drillpipe stabbing valve (inside BOP) with proper drillpipe connections will be on the rig floor at all times.
- C. No H2S gas or abnormal pressures are known to exist, in this heavily developed area, down to the proposed TD. Therefore, no pit-volume totalizing system will be employed. The drilling fluid system will be visually monitored at all times.

8. <u>Logging, Testing and Coring Program</u>:

- A. A two man mud logging unit will be in service from 4200' to TD.
- B. No drill stem tests are planned for this well.
- C. Open hole electric logs at TD are planned to be as follows:

Dual Lateralog (DLL) w/MSFL (Micro Spherical Focused Log) w/GR and Caliper from TD to base of 8-5/8 casing at 4200'+/-. Compensated Neutron w/Z-Density & GR & Caliper from TD to 4200'; Gamma-Ray to surface.

SOUTHERN CALIFORNIA FEDERAL UNIT NO. 12 WIW DRILLING PROGRAM PAGE 4

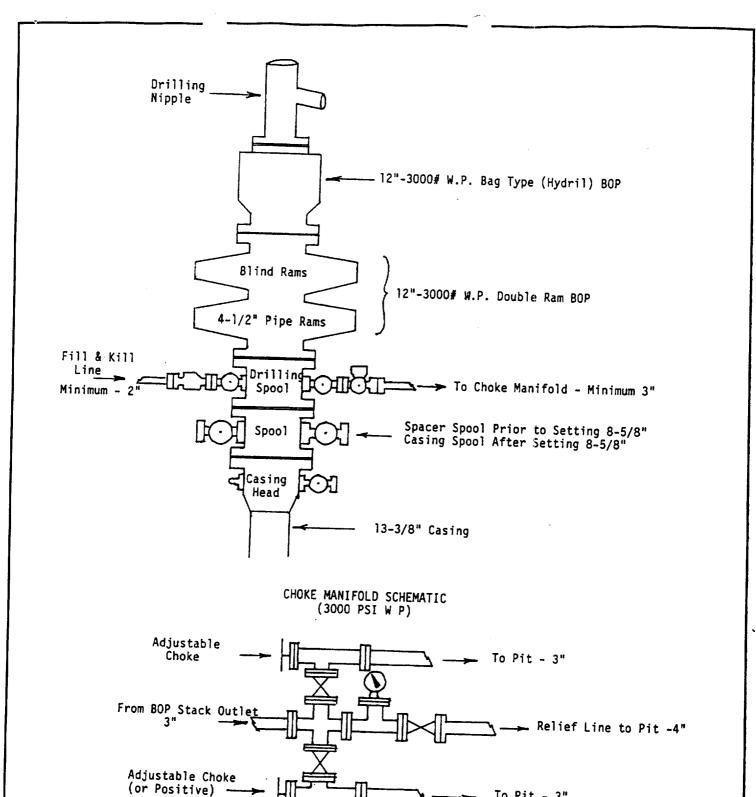
- D. No conventional cores are planned
- E. Additional evaluation may be required by the company geologist based on drilling shows and log evaluation.

9. <u>Abnormal Conditions, Pressures, Temperatures and Potential Hazards:</u>

No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature (BHT) at TD is expected to be 135°F and the estimated maximum bottom hole pressure (BHP) is 2800 PSI. No H2S or other hazardous gases or fluid have been encountered, reported or are known to exist to this depth in this area. Some wells in this area have encountered severe to total loss of circulation in the Capitan Reef at about 2800'. If this occurs at this location, several attempts will be made to regain circulation, but if it appears necessary, the well will be dry-drilled to the intermediate casing depth of 4200'+/-.

10. Anticipated Starting Date and Duration of Operations:

Location construction work will not begin until approval has been received from the BLM. The anticipated spud date will be around July 1, 1997. Once commenced, the drilling operations should be completed in approximately twenty (20) days. If the well is productive, an additional thirty (30) days will be required for completion and testing before a decision is made to tie into permanent water injection facilities.



Parker & Parsley Development L.P.

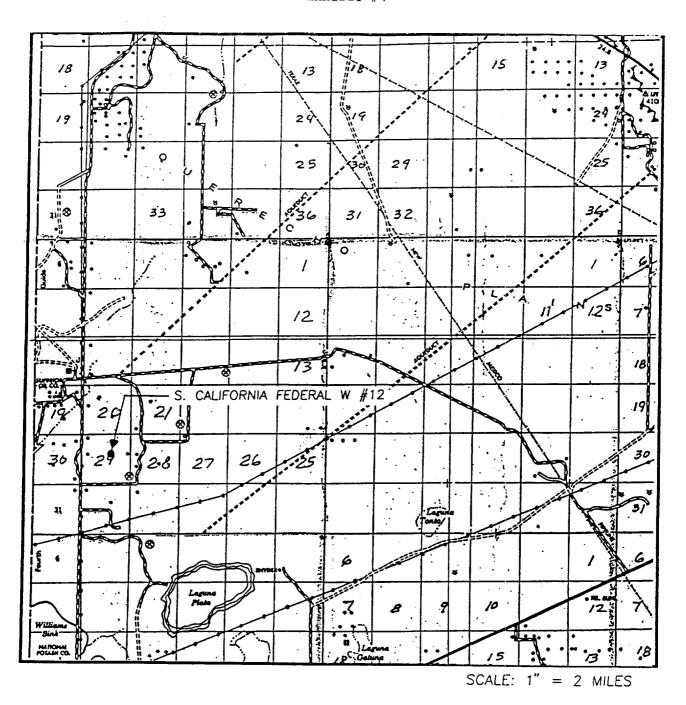
To Pit - 3"

BOPE SCHEMATIC (3000 PSI W.P.) Southern California Federal Unit No. 12 WIW Lea County, New Mexico Scale: 1"= 50' Date: April 1997

EXHIBIT #1

VICINITY MAP

EXHIBIT #4



SEC. 29 TWP. 19-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2200' FNL & 1650' FEL

ELEVATION 3559

OPERATOR PARKER & PARSLEY

LEASE S. CALIFORNIA FEDERAL W

JOHN WEST ENGINEERING HOBBS, NEW MEXICO (505) 393-3117