Re: Application of Phillips Petroleum Company for Approval of the New Mexico Oil Conservation Commission to Establish the West Cap Queen Sand Unit, Approval of the Unit Operating Agreement, and For Authority to Waterflood the Queen Sand Underlying Said Unit located in Township 145, Range 31E, Chaves County, New Mexico

State Ingineer
P. O. Box 1079
Santa Fe, New Mexico

Dear Sir:

The attached copy of Phillips' application to the New Mexico Oil Conservation Commission for approval of the West Cap Queen Sand Unit and authority to waterflood the Queen Sand underlying the Unit is being furnished in compliance with Demorandum No. 5-58. It is anticipated that the injection water supply source will be the 300 foot Ogallala Sand located in the Lea County underground water basin. Phillips has obtained a water lease and appropriation for 340 acre feet of water per year from the Sh/A Section 12, Township 145, Range 328, Lea County for use in waterflooding this Unit. There is a possibility that the Unit working interest owners may elect to purchase water rather than develop this water supply, but if water is purchased it will be water produced from the Ogallala Sand in the same general vicinity as the above quoted water source.

We will furnish your office with a copy of the water analysis as soon as the water cupply has been developed.

Yours truly.

J. W. Perkins

W. Bivision Superintendent Troduction Department

DLC/jw Attach

Exhibit 3

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PHILLIPS EXHIBIT 19

West Cap Queen Sand Unit Chaves County, New Mexico INJECTION WELL SUMMARY

Present Operator, Lease and Well No.	Unit Well No.	Casing Size	Casing <u>Seat</u>	Completion Interval	P - Perforated OH - Open Hole
Ada Fed. Medlin "B" #1	9W1	5 <u>1</u> "	29081	2908-251	ОН
Gulf Hopp Fed. "A" #1	3W1	4 <u>1</u> ا	27061	2686-931	P
Gulf Zimmerman #1	lOWl	7"	27891	2789-8401	ОН
Gulf Zimmerman #3	10W3	4 <u>1</u> 11	28771	2877-961	ОН
Gulf Zimmerman #5	10W5	4 1 11	27671	2765-901	OH & P
Gulf Zimmerman #7	10W7	4 1 2"	28801	2821-23	P
Hodge Malco Fed. #2	5W2	42"	27251	2706-141	P
Hodge Malco Fed. #5	5W5	5 <u>1</u> "	27001	2665-701	P
Penrose Ct. Trust #1	1W1	5 <u>1</u> 11	27051	2705-2721	ОН
Penrose Saner Fed. #2	11W2	7"	29221	2901-04'	P
Phillips Cleat #1	4W].	5 <u>1</u> "	27581	2758-701	ОН
Phillips Cleat #4	4W 4	5 <u>늹</u> ॥	2715'	2715-351	ОН
Phillips Cleat #5	4W5 .	5 <u>1</u> ≡	27081	2708-291	ОН
Sinclair Arc Fed. #1	2W1	5 <u>1</u> "	27461	2728-371	P
Tidewater State Z #2	7W2	5 <u>1</u> 11	27871	2787-8011	ОН
Tidewater State Z #3	7W3	5 <u>1</u> "	27701	2737-491	P

NOTE: An additional water input well has been scheduled to be drilled in the SE/4, SE/4 of the NE/4, Section 21, Township 14 South, Range 31 East, Chaves County, New Mexico. It is planned that this well will have $4\frac{1}{2}$ " casing set through and perforated opposite the Queen formation. All of the injection wells will be equipped with 2" tubing and packers for injection service and the annulus between the tubing string and casing string will be filled with fluid above the packer.

Case 2643