

# Shell Western E&P Inc.

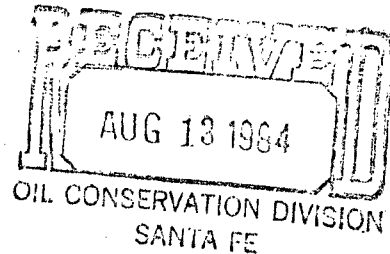
A Subsidiary of Shell Oil Company



P.O. Box 991

Houston, TX 77001

August 9, 1984



State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87501

Gentlemen:

SUBJECT: UNORTHODOX INJECTION WELL LOCATIONS  
SHELL WESTERN E&P INC - NORTH HOBBS (G/SA) UNIT  
LEA COUNTY, NEW MEXICO

NSL - 1884

Rule 104FI

Release Immediately

no offsets

Hobbs Grayburg San Andres Pool

Shell Western E&P Inc., as operator of the North Hobbs Unit, respectfully requests your approval of five (5) unorthodox injection well locations. The injectors are closer than 330 feet to the 40-acre proration unit boundary which necessitates this request for an exception to the spacing rule. The proposed injectors will be drilled at the following locations:

WELL NO.	UNIT LETTER	LOCATION
North Hobbs Unit No. 28-232	K	2300' FSL & 1350' FWL 28-18S-38E
29-342	O	1230' FSL & 2500' FWL 29-18S-38E
30-443	P $\frac{SE}{4}$ $\frac{SE}{4}$	1300' FSL & 160' FEL 30-18S-38E
30-333	J	1400' FSL & 2430' FEL 30-18S-38E
33-212	C	205' FNL & 1420' FWL 33-18S-38E.

These five (5) unorthodox injectors are a continuation of a proposed 43 well infill program (38 producers/5 injectors), to regularize the development pattern and test possible permeability trends in the North Hobbs Unit.

An examiners hearing was held on July 11, 1984 concerning the major portion of the project. Case No. 8263 considered unorthodox locations for 35 producers, Case No. 8264 considered unorthodox locations and directionally drilling of three (3) producers and Case No. 8262 requested infill findings for all 38 producers. Orders are currently pending in these cases.

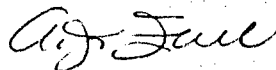
As can be seen from the attached plat, the injectors are located such that both North-South or East-West permeability trends can be detected. We feel information regarding possible permeability trends is vital to the proper planning of effective injection pattern revisions, thereby maximizing ultimate oil recovery from the Unit.

There are no other operators of proration units offsetting the proposed injectors.

note NSL-1882 for map

It is our opinion that Shell Western's application is in the interest of conservation, the prevention of waste and the protection of correlative rights, and, therefore respectfully recommend its approval.

Yours very truly,



A. J. Fore  
Supervisor Regulatory and Permitting  
Mid-Continent Division

AJF/DMU

cc: State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 1980  
Hobbs, NM 88240