

WARRIOR, INC.



125 MIDLAND TOWER, MIDLAND, TEXAS 79701

915 682-2574

October 3, 1977

Federal D No. 12

990' FNL & 330' FEL, Section 27, Township 20 South, Range 36 East, Lea Co., New Mexico

ATTACHMENT TO FROM 9-331C (ADDITIONAL INFORMATION)

1. The surface formation is of Quaternary Age.

2. Estimated formation tops:

Top Anhydrite	1485'
Top Salt	1585'
Base Salt	2870'
Top Yates	3020'
Base Yates	3172'
1st Seven-Rivers	3342'
2nd Seven-Rivers	3707'
Top Stuart (Queen)	3860'
Top Lower Stuart	3925'
Top Penrose	4042'
Total Depth	4100'

Recommend coring Penrose formation from approximately 4040' to 4100'.

3. Fresh water is anticipated at 200' or less.

Queen Pay 3860' to 4100' is expected to have oil and gas.

4. Production Casing will be new and is described under No. 23, Form 9-331-C K-55 Grade.

5. Series 900 (3000# service pressure rating) Rucker Shaffer LWP Double Blowout Preventer with hydraulic operation.

A. Surface Hole:

1. 1 set blind rams

2. 1 set drill pipe rams

After 8-5/8" 28# casing has been set and cemented, rams will be tested to 2000# prior to drilling out cement.

B. 7-7/8" Hole:

1. 1 set of blind rams tested to 2000#.

2. 1 set of drill pipe rams tested to 2000#.

*This is an old field area and no abnormal pressure is expected at this depth. Queen Pay zone bottom hole pressure is anticipated at 1500 PSIG.

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OIL CONSERVATION COMM.
HOBBS, N. M.