

SUPPLEMENTAL DRILLING DATA

HCW EXPLORATION, INC.
WELL #1 CO-FED
760' FSL & 660' FWL SEC. 26-22S-28E
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

| | | | |
|---------------|-------|--------------|-------|
| Salt | 500' | Bone Springs | 6130' |
| Base Salt | 2345' | 1st BS Sand | 7200' |
| Delaware | 2610' | 2nd BS Sand | 7975' |
| Cherry Canyon | 3725' | 3rd BS Sand | 9250' |
| Brushy Canyon | 4720' | Wolfcamp | 9790' |

3. ANTICIPATED POROSITY ZONES:

Water: Above 200'

Oil: Delaware, Cherry Canyon, and Bone Springs

4. CASING DESIGN:

| <u>Size</u> | <u>Interval</u> | <u>Weight</u> | <u>Grade</u> | <u>Joint</u> | <u>Condition</u> |
|-------------|-----------------|---------------|--------------|--------------|------------------|
| 13 3/8" | 0 - 400' | 48.0# | H-40 | STC | New |
| 8 5/8" | 0 - 2300' | 24.0# | K-55 | STC | New |
| | 2300 - 2800' | 32.0# | K-55 | STC | New |
| 4 1/2" | 0 - 800' | 11.6# | K-55 | STC | New |
| | 800 - 6800' | 10.5# | K-55 | STC | New |
| | 6800 - 8500' | 11.6# | K-55 | STC | New |

5. SURFACE CONTROL EQUIPMENT: Two ram-type preventers (900 series).

6. DRILLING FLUID:

0 - 400' Fresh water with gel added if needed for viscosity.

400 - 2800' Salt water conditioned as necessary for control of viscosity, pH, and water-loss.

2800 - 8500' Cut brine conditioned as necessary for control of viscosity, pH, and water-loss.

7. AUXILIARY EQUIPMENT: Drill string safety valve.