

SUPPLEMENTAL DRILLING DATA

COLLINS & WARE, INC.

SHARP NOSE FEDERAL WELL NO.1

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	1400'
Top Salt	1540'
Base Salt	3100'
Yates	3300'
Delaware	5400'
Bone Springs	8350'
Wolfcamp	10,900'
Strawn	12,200'
Atoka	12,450'
Morrow	12,930'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Morrow	Gas
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4. PROPOSED CASING AND CEMENTING PROGRAM:

20" 94# H-40 casing to be set at 450 feet in 26" hole. Casing to be cemented with 400 sacks of Light cement tailed in with 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

13-3/8" 68# K-55 STC casing to be set at 3200 feet in 17-1/2" hole. Casing to be cemented with 1500 sacks of Light cement with 1% CaCl and 5# of salt per sack tailed in with 200 sacks of Class "C" with 1% CaCl and 5# of salt per sack. Cement to circulate.

9-5/8" 43.5# and 47# N-80 STC casing to be set at 5250 feet in 12-1/4" hole. Casing to be cemented with 1000 sacks of Light cement tailed in with 200 sacks of Class "C". Cement to circulate.

5-1/2" 20# and 23# N-80 and S-95 LTC casing to be set at approximately 14,000 feet in 8-3/4" hole. Casing to be cemented with 600 sacks of 50-50 Poz "H" tailed in with 300 sacks of Class "H". Cement to fill to top of wolfcamp.

5. PRESSURE CONTROL EQUIPMENT:

Sketches of planned BOP stacks are attached.

RECEIVED

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OOD  
HOBBS OFFICE