

SUPPLEMENTAL DRILLING DATA

ELLWADE CORPORATION
WELL NO.1 ROSS DRAW FEDERAL COM

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Delaware Lime	3300
Bone Springs	7250
Wolfcamp	11,700
Strawn	13,400
Atoka	13,500
Morrow	14,000

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Gas	Wolfcamp
Gas	Morrow

4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
20"	0	40	94#	H-40	STC
13-3/8"	0	2900	61#	K-55	STC
	2900	3300	68#	K-55	STC
9-5/8"	0	11,700	47#	S-95	LTC
7-5/8"(Liner)	11,500	14,300	39#	S-95	Flush Joint

20" casing to be cemented to bottom of cellar.

13-3/8" casing will be cemented with sufficient Light cement, tailed in with 200 sacks of Class "C", to circulate to surface.

9-5/8" casing will be cemented with 300 sacks of cement.

7-5/8" liner will be cemented with sufficient Class "H" cement to circulate the liner.