

YATES PETROLEUM CORPORATION
Rock Ridge "AWD" State #1
1800' FNL & 1980' FWL
SENE of Section 10-T15S-R35E
Lea County, New Mexico

DRILLING PROGNOSIS

1. PRESSURE CONTROL EQUIPMENT

Once the 11 3/8" casing has been set and cemented in place, a 5000 psi pressure system will be nipped up into place. The BOPE will be tested daily as to operational. See attached 5,000 psi pressure system schematic. The maximum anticipated bottom hole pressure is 6700 psi at TD with maximum shut-in pressure anticipated is 3200 psi.

2. THE PROPOSED CASING AND CEMENTING PROGRAM

Yates Petroleum Corporation proposes to test the potential of the Mississippian and intermediate formations. The 14 3/4" surface hole will be drilled to approximately 400' and 400' of 11 3/4" casing will be set and cement circulated. The 11" intermediate hole will be drilled from 400' to a depth of approximately 4700'. If determined to have commercial possibilities, approximately 13950' of 5 1/2" production casing will be set and TOC of cement will be approximately 9350'. The well will then be perforated and stimulated as needed to gain production. The 7 7/8" production hole will be drilled from 4700' to a depth of approximately 13950'.

A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set
14 3/4"	11 3/4"	42	H-40	ST&C	0 - 400'
11"	8 5/8"	32	J-55	ST&C	0-4700'
7 7/8"	5 1/2"	17	HCP-110	LT&C	0-13950'

B. Cementing Program:

Surface Casing - Set with approximately 300 sx Class C + 2% CaCl (YLD 1.34 WT 14.8)

Intermediate Casing - Set with approximately 850 sx Lite (YLD 2.48 WT 11.9). Tail in
With 250 sx Class C (YLD 1.32 WT 14.8).

Production Casing-Set with approximately 750 sx Super H Modified (YLD 1.67 WT 13.0)

The above cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole gauge and will be determined by running a caliper log on the drilled hole.

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