

DEVIATION SURVEY

Yates Petroleum Corporation

High Hope "DJ" Federal No. 1

480' FWL and 690' FWL of Section 13-17S-23E

Eddy County, New Mexico

Depth Feet

538'

1285'

1768'

2728'

3168'

4148'

4443'

4956'

5436'

5666'

6111'

6610'

7023'

7440'

Deviation

1/2 deg.

1 1/2 deg.

1 1/4 deg.

1-3/4 deg.

1-3/4 deg.

1-3/4 deg.

3 deg.

2 deg.

2 deg.

1-3/4 deg.

1-3/4 deg.

1 1/2 deg.

2 deg.

3 1/4 deg.

Sworn to this 5th day of December, 1974.

Eddie M. Mahfood

Eddie M. Mahfood

Engineer for

Yates Petroleum Corporation

STATE OF NEW MEXICO)

: ss

COUNTY OF EDDY)

The foregoing instrument was acknowledged before me this 5th day of December, 1974 by Eddie M. Mahfood agent for Yates Petroleum Corporation.

My Commission expires

December 30, 1975

William L. Richardson
Notary public in and for
Eddy County, New Mexico

RECEIVED

DEC 11 1974

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO