

WILLIAM R. SPEER
CONSULTING GEOLOGIST
Petroleum Club Plaza Bldg.
Farmington, New Mexico 87401

P.O. BOX 255 PHONE 505-325-7789
Certified Professional Geologist # 1121
Petroleum and Mineral Evaluation and Management

June 8, 1983

New Mexico Department of Minerals
Oil & Gas Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Attention: Mr. Frank Chavez

Re: Hole Deviation Surveys,
Oxoco Production Corp. #1 Rattlesnake
Canyon Mesaverde Test
1450' fS1, 1140' fE1, S20-T32N-R8W
San Juan Co., New Mexico

Dear sir,

The following hole deviation surveys were made while drilling the
above-cited well:

<u>DEPTH</u>	<u>DEVIATION</u>
265'	$\frac{1}{2}^{\circ}$
965	$\frac{3}{4}^{\circ}$
1465	$\frac{3}{4}^{\circ}$
1755	$\frac{3}{4}^{\circ}$
2270	$\frac{3}{4}^{\circ}$
2760	$\frac{1}{2}^{\circ}$
2893	1°
3380	1°
3550	1°
4050	$1\frac{1}{2}^{\circ}$
4550	2°
5058	2°
5600	2°
5950	2°

Very truly yours,

Wm R. Speer

William R. Speer, Agent for
OXOCO PRODUCTION CORP.

Subscribed and sworn to this 8th day of June, 1983, by William R. Speer

My commission expires 12-18-84

Detha Herrick

RECEIVED
JUN 9 1983
OIL CON. DIV.
DIST. 3