

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS

PO BOX 1370 ARTESIA, NEW MEXICO 88211-1370
(505) 746-4405 746-3518 748-2205

July 7, 2000

Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88219

RE: Thunderhead TD State Com #4
1980' FNL & 660' FWL
Sec. 32, T8S, R26E
Chaves County, New Mexico



Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION	DEPTH	DEVIATION
515'	1 1/4°	5342'	4°
983'	1 1/4°	5364'	5°
1105'	1°	5434'	4°
1445'	1°	5458'	2°
1983'	2°	5550'	2°
2107'	1/2°	5682'	2 3/4°
2386'	3/4°	5767'	3 1/4°
3877'	2°	5830'	4°
2971'	1 3/4°	5860'	2 3/4°
3221'	1 1/2°	5922'	3°
3617'	1°	5986'	1 1/2°
4107'	1/4°	6056'	1 3/4°
4627'	1/2°	6328'	2°
5087'	3 1/2°	6438'	3°
5181'	4°	6740'	3 1/4°
5243'	5 1/2°		

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 7th day of July, 2000.

Notary Public