

L & M DRILLING, INC.

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

June 17, 1999

Marbob Energy Corporation
PO Drawer 227
Artesia, NM 88211-0227

RE: Birdie Federal #4
2310' FSL & 2310' FWL
Sec. 17, T17S, R30E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
187'	1/4°
436'	1°
678'	1°
1021'	1 3/4°
1174'	1 1/2°
1422'	3/4°
1671'	1/2°
1919'	1/2°
2163'	1/2°
2410'	3/4°
2747'	3/4°
2972'	3/4°
3222'	1 1/2°
3467'	1°
3713'	1 1/2°
3962'	1°
4212'	1°
4461'	1 1/4°
4735'	1°

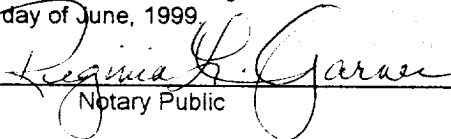
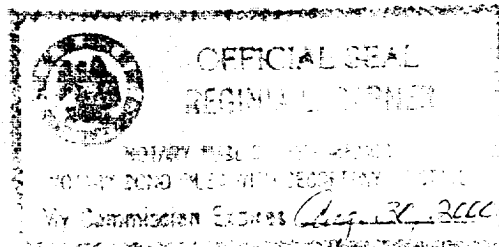
Very truly yours,



Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 17th day of June, 1999.


Notary Public

RECEIVED

JUL 14 '99

ELM
ROSWELL, NM