

Marathon Oil Company
 IHU #36, slot #1
 INDIAN BASIN, Eddy County New Mexico

SURVEY LISTING Page 5
 Your ref : MWD
 Last revised : 15-Feb-2002

<u>Comments in wellpath</u>			
MD	TVD	Rectangular Coords.	Comment
2200.00	2199.90	0.34 N 14.38 W	TIE INTO GYRO
8200.00	8019.29	1064.11 N 906.36 E	GYRO SURVEY POINT
8300.00	8115.98	1083.59 N 922.85 E	GYRO SURVEY POINT
8452.00	8264.40	1108.23 N 944.35 E	S/S SURVEY POINT
8514.00	8325.43	1116.46 N 951.50 E	S/S SURVEY POINT

<u>Targets associated with this wellpath</u>				
Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
		7587.00	0.00S 2940.00W	9-Jun-1999
Top of Morrow		9000.00	1247.35N 1047.33E	19-Jul-2001
Upper Penn Top		7250.00	904.20N 759.21E	19-Jul-2001