

Marathon Oil Company
 Indian Hills Unit No. 30, #30 ST2
 Indian Basin, EDDY COUNTY, NM.

SURVEY LISTING Page 5
 Your ref : ST2 BHI MWD 4200'-10696'
 Last revised : 23-Aug-2001

Comments in wellpath

MD	TVD	Rectangular Coords.		Comment
100.00	100.00	0.18 N	0.30 W	GYRODATA GYRO SURVEY 0'-7025'
200.00	200.00	0.35 N	0.86 W	Date Ran: 06.07.01
300.00	300.00	0.37 N	1.41 W	Surveyor: John Zugg
1200.00	1199.95	5.52 S	2.29 E	TIED TO GYRODATA SURVEY AT MD:1200'
1318.00	1317.92	7.75 S	3.55 E	OH BHI MWD 1318'-7555'
4146.00	4052.64	630.15 N	239.05 E	ST2 TIED TO OH BHI MWD AT MD:4146'
4200.00	4104.62	644.19 N	243.11 E	ST2 BHI MWD SURVEY 4200'-10696'
7736.00	7473.59	1682.66 N	506.39 E	Top of Upper Penn
8202.00	7917.27	1818.73 N	548.67 E	Base of Upper Penn
9541.00	9194.59	2202.91 N	664.38 E	Morrow Top
10005.00	9637.80	2334.49 N	703.39 E	Morrow Base
10750.00	10352.41	2534.35 N	768.15 E	ST2 TD PROJECTED TO MD:10750'

Targets associated with this wellpath

Target name	Geographic Location	T.V.D.	Rectangular Coordinates		Revised
Top of Fish #1		7250.00	1540.05N	575.00E	6-Jun-2001