

DIRECTIONAL SURVEY**Indian Hills Unit # 31****General Information:**

Company Name: Marathon Oil Company
Field: Indian Basin-Upper Penn
Well: Indian Hills Unit # 31
County: Eddy
State: New Mexico
Field Location: 1093 FNL & 663 FEL
API Number: 30-015-31534
Logging Engineer: W.H. Morris / H.A. Olarte
Processed By: Sara Draper
Service Order Number: 6539390
Job Number: 558688
Date Logged: 23-FEB-2001
Date Processed: 28-FEB-2001

Bottom Hole Location:

Measured Depth ft	True Vertical Depth ft	+North -South Drift ft	+East -West Drift ft	Course Length ft	Course Azimuth Degrees
8960.0	8602.1	-241.3	2173.2	2186.5	276.3