

DIRECTIONAL SURVEY**MC Federal #1****General Information:**

Company Name: Mack Energy Corporation
Field: Wildcat Ellenburger
Well: MC Federal #1
County: Lea
State: New Mexico
Field Location: 2275' FNL & 1268' FWL
API Number: 30-025-34647
Logging Engineer: Tom Steinauer / C. Scheideman
Processed By: Pete Martini
Service Order Number: 1266215
Job Number: 320226
Date Logged: 19-AUG-1999
Date Processed: 24-Aug-1999

Bottom Hole Location:

Measured Depth ft	True Vertical Depth ft	+North -South Drift ft	+East -West Drift ft	Course Length ft	Course Azimuth Degrees
14914.0000	14909.9414	-29.8232	-173.9218	176.4602	80.2699

