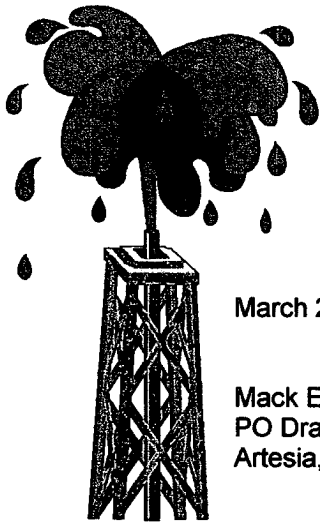




Artesia Fishing Tool Co., Inc.

Oil Well Drilling Contractors
PO Box 1370 Artesia, NM 88211-1370
505/746-6651 746-3518 fax 748-2205

March 23, 2004

RECEIVED

MAR 23 2004

Mack Energy Corporation
PO Drawer 960
Artesia, NM 88211-0960

RE: Panther Federal #2
2310' FL & 990' FWL
Sec. 31, T17S, R32E
Lea County, New Mexico

Unit L
30-025-36323

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
461'	1/4°	2089'	1/2°	3568'	4°
886'	4 3/4°	2296'	1°	3700'	4°
854'	5°	2609'	2°	3754'	4°
907'	5°	2717'	2 1/4°	3842'	4°
948'	4 1/2°	2773'	2 1/4°	3939'	4 1/4°
1015'	3 3/4°	2867'	2 1/2°	4001'	4 1/2°
1107'	3 1/2°	3001'	3 3/4°	4064'	4 1/4°
1187'	2 1/2°	3064'	3°	4126'	4°
1292'	2 3/4°	3118'	3°	4219'	4 1/4°
1385'	2 1/2°	3250'	3 1/4°	4280'	4 1/2°
1479'	1°	3273'	3 1/2°	4341'	4 3/4°
1530'	1°	3424'	3 1/2°	4404'	4 3/4°
1653'	1°	3447'	3 1/2°	4875'	4 1/2°
1849'	1°				

Very truly yours,

Eddie C. LaRue
Vice President

STATE OF NEW MEXICO
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 23rd day of March, 2004.

Notary Public

04-1275

Serving Southeast New Mexico and West Texas Since 1974