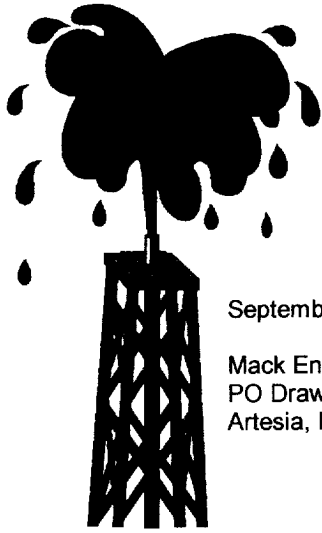




Artesia Fishing Tool Co., Inc.

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

September 30, 2000

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

RE: Harper State #4Y
2170' FSL & 990' FEL
Sec. 16, T17S, R30E
Eddy County, New Mexico



Gentlemen:

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

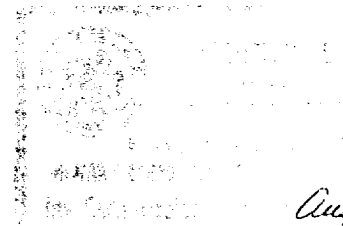
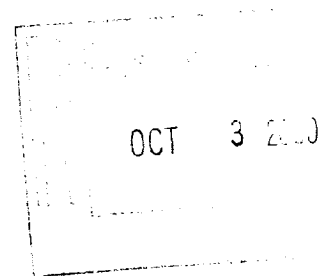
DEPTH	DEVIATION
455'	1°
646'	1°
805'	1 1/4°
1217'	2°
1420'	1 1/2°
1605'	1 1/4°
1790'	1 1/4°
2100'	3/4°
2571'	1/4°
3398'	3/4°
3893'	3/4°
4398'	1/2°
4877'	1/2°
4950'	1°

Very truly yours,

C. E. LaRue
President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
This 30th day of September, 2000.

Notary Public

Aug. 30, 2004

00_1022

Serving Southeast New Mexico and West Texas Since 1974