

JW DRILLING INC.

Oil Well Drilling Contractor

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Jerry Wilbanks
President

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March 16, 2001

Echo Production, Inc.
P.O. Box 1210
Graham, Texas 76450

RE: Corsair "27" Federal #4
Sec. 27, T-23-S, R-32-E
Lea County, New Mexico

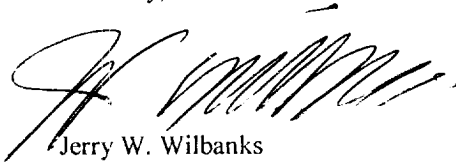
J-1650/59 1980/E
30-025-35375

Gentlemen:

The following is a Deviation Survey on the referenced well:

293' - 1/2°	2,529' - 1/4°	4,870' - 1 3/4°	6,581' - 1/4°	
618' - 1°	3,007' - 1/2°	4,980' - 1 1/2°	7,049' - 1/4°	8,975' - 3/4°
1,101' - 1/2°	3,497' - 1/2°	5,115' - 1°	7,543' - 1/2°	
1,578' - 3/4°	3,997' - 1/2°	5,614' - 3/4°	7,981' - 3/4°	
2,054' - 3/4°	4,472' - 3/4°	6,092' - 3/4°	8,479' - 3/4°	

Sincerely,



Jerry W. Wilbanks
President

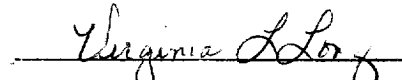
STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 16th day of March 2001 by Jerry W. Wilbanks.

MY COMMISSION EXPIRES

JUNE 19, 2003


NOTARY PUBLIC

FILED
MAR 22 2001
NOTARY PUBLIC