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REPORT OF PROOF OF APPARENT DEVIATION OCT 02 1989

OIL CON. DIV.

SERIAL NO. 3

OPERATOR Union Texas Petroleum DISTRICT FarmingtonFIELD Pump Canyon - Fruitland PARISH San Juan N. Mex.WELL NAME & NO. Johnston Fed #24 SEC. 12 T 30N R 9W
AFF# 4-3988

Degrees Deviation	Deviation Factor	DEGREES DEVIATION	DEPTH FROM SURFACE	LENGTH OF INTERVAL	DEVIATION FACTOR	DEVIATION OF INTERVAL	CUMULATIVE APPARENT DEVIATION	REMARK
		$3\frac{1}{4}^{\circ}$	176'	176'	.01309	2.30	2.30	
$\frac{1}{4}$	.00436							
$\frac{1}{2}$	.00873	$\frac{1}{2}^{\circ}$	340'	164'	.00873	1.43	3.73	
$\frac{3}{4}$	.01309							
1	.01745	$3\frac{1}{4}^{\circ}$	847'	507'	.01309	6.64	10.37	
$1\frac{1}{4}$	.02182							
$1\frac{1}{2}$	.02618							
$1\frac{3}{4}$	.03054	1°	1367'	520'	.01745	9.07	19.44	
2	.03490							
$2\frac{1}{4}$	.03926	$\frac{1}{2}^{\circ}$	1865	498	.00873	4.35	23.79	
$2\frac{1}{2}$	.04362							
$2\frac{3}{4}$	.04798	$3\frac{1}{4}^{\circ}$	2365	500	.01309	6.55	30.34	
3	.05234							
$3\frac{1}{4}$	.05669							
$3\frac{1}{2}$	.06105	$1\frac{1}{2}^{\circ}$	3000'	635	.02618	16.62	46.96	
$3\frac{3}{4}$	.06540							
4	.06976							
$4\frac{1}{4}$	.07411							
$4\frac{1}{2}$	.07846							
$4\frac{3}{4}$	.08281							
5	.08716							
$5\frac{1}{4}$	.09150							
$5\frac{1}{2}$	.09585							
$5\frac{3}{4}$	.10019							
6	.10453							
$6\frac{1}{4}$	.10887							
$6\frac{1}{2}$	.11320							
$6\frac{3}{4}$	.11754							
7	.12187							
$7\frac{1}{4}$	.12620							
$7\frac{1}{2}$	.13053							
$7\frac{3}{4}$	.13485							
8	.13917							
$8\frac{1}{4}$	.14349							
$8\frac{1}{2}$	.14781							
$8\frac{3}{4}$	.15212							
9	.15643							
$9\frac{1}{4}$	.16074							
$9\frac{1}{2}$	.16505							
$9\frac{3}{4}$	.16935							
10	.17365							

SUBSCRIBED AND SWORN TO ME ON THIS THE 25TH DAY OF

SEPTEMBER TO BE A TRUE COPY OF THE ORIGINAL DOCUMENT

SUBMITTED TO THE STATE OF NEW MEXICO, IN THE YEAR
1989.Karyn L. Harvey
KARYN L. HARVEY

Commission Expires: 2/12/90

Certified as Being True & Correct by

Nail H. Bulla

Title

Drilling Foreman

Date

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SEE INSTRUCTIONS ON REVERSE SIDE