

OPERATOR: UNION OIL COMPANY OF CALIFORNIA  
LEASE : NORTH MADURO FEDERAL UNIT NM-36916  
WELL NO.: 1  
FIELD : GEM MORROW  
LOCATION: UNIT LETTER "H" SEC. 20 T-19-S, R-33-E  
2310' FNL & 660' FEL  
LEA COUNTY, NM.

DEVIATION SURVEYS

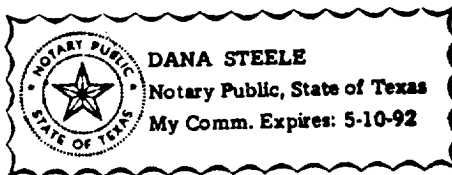
<u>DEPTH FT.</u>	<u>DEGREES</u>	<u>DEPTH FT.</u>	<u>DEGREES</u>
250	1/2	5,526	1/2
448	3/4	6,179	1/2
946	1/4	6,665	1
1,443	1/2	7,128	1/2
1,940	1/2	7,623	1/4
2,430	1	8,086	1/2
2,924	2-3/4	8,584	1
3,018	3	8,790	1/2
3,060	2-3/4	9,264	1/2
3,110	2-1/2	9,725	1/2
3,223	2	10,218	3/4
3,356	1-1/2	10,708	1-1/4
3,551	1-1/2	11,208	1-3/4
3,881	1-1/2	11,322	1
4,374	2	11,818	1/2
4,498	1-3/4	12,318	3/4
4,994	1/2	12,785	
5,200	1/2	13,264	1-1/4
		13,682	3/4

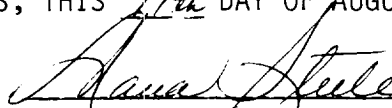
I, HEREBY CERTIFY THAT ALL DEVIATION TESTS SET FORTH ABOVE  
ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

  
J. R. HUGHES - DISTRICT DRILLING SUPT.

FOR: UNION OIL COMPANY OF CALIFORNIA

SUBSCRIBED AND SWORN TO BEFORE ME, A NOTARY PUBLIC IN AND  
FOR MIDLAND COUNTY, TEXAS, THIS 17th DAY OF AUGUST, 1988.



  
My Commission Expires 5-10-92