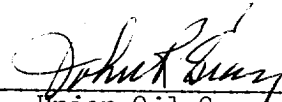


July 10, 1970

Deviation surveys taken on Union Oil Company of California's Federal "17" A Well No. 1, Section 17, T-8-S, R-38-E, Roosevelt County, New Mexico.

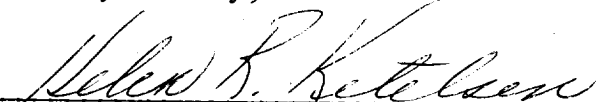
<u>Depth</u>	<u>Degree</u>
110	1/2
358	1/2
858	3/4
1416	3/4
1851	3/4
2284	3/4
2529	3/4
3025	1/2
3521	1/2
3910	1/2
4210	3/4
4394	1/4
4540	3/4
4794	1/2

I hereby certify that I have personal knowledge of the data and facts placed on this sheet, and that such information given above is true and complete.



Union Oil Company of California

Sworn and Subscribed before me, this 10th day of July, 1970.



Notary Public in and for

Midland County, Texas

HELEN R. KETELSEN