UNION OIL COMPANY OF CALIFORNIA

STATE NO. 1-18

In accordance with Rule 111 results of deviation surveys made on the Union Oil Company of California State No. 1-18 well are furnished as follows:

ANGLE	DEPTH	
1/4 1-1/4 3/4 1-1/4 1/2 3/4 1-1/4 3 3-1/4 1-1/4 3/4 2 3 3-1/2 3-1/4 4	333 781	
1-1/4 1/2	1311 1996 2840	RESEIVED
3/4 1-1/4	3692 4468	MAY 1 1 1964
3 3-1/4 1-1/4	4929 5452 6107	O. C. C.
3/4	6676 7270	
3 3-1/2 3-1/4	7620 8170 8550	
3-3/4	8964 9750	

I hereby certify that all deviation tests set forth above are true and correct to the best of my knowledge.

C, TV, Tor UNION	IO R	L Company	OP	CALIFORNIA

Belle Grimes

DST #1: 7550-7625°, tool open 1 hour. Recovered 230° gas cut drilling mud and 60° black gas cut drilling mud (not sulphur).

DST #2: 7625-7660', tool open 1 hour. Recovered 30' heavy gas cut drilling mud, 10' dist. cut drilling mud, no water.

DST #3: 8044-8176°, Tool open 1 hour. Recovered 269° gas and sulphur water cut drilling mud, 6702° sulphur water.

DST #4: 9495-9560°, tool open 1-1/2 hours. Flowed at rate of 1000-1800 MCF.
Recovered no fluid.

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