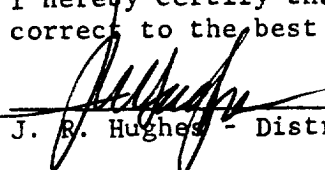


OPERATOR: Union Oil Company of California
LEASE: Smith
WELL NO: 1
POOL: East Gem Morrow (Undesignated)
LOCATION: Unit Letter J, Section 25
1,980' FSL & 1,980' FEL,
Township 19-S, Range 33-East,
Lea County, New Mexico

DEVIATION SURVEYS

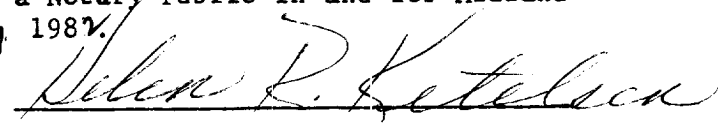
<u>DEPTH</u>	<u>DEGREES</u>	<u>DEPTH</u>	<u>DEGREES</u>
140'	1/2	6,356'	1/2
452'	1/4	6,730'	1
791'	1/2	7,133'	3/4
1,038'	1	7,535'	1
1,350'	3/4	8,001'	1/4
1,676'	3/4	8,501'	3/4
2,016'	3/4	8,875'	1
2,354'	1/4	9,282'	1
2,693'	1	9,690'	1-1/4
2,786'	1/2	11,026'	1-1/4
3,121'	1-3/4	11,627'	2-1/2
3,330'	3/4	11,841'	1-3/4
3,731'	1-1/2	12,245'	1-3/4
3,824'	1-1/4	13,213'	1-1/2
4,219'	1	13,465'	1-1/4
4,309'	1	13,650'	1-1/4
4,555'	1		
4,916'	1/2		
5,400'	1/4		
5,642'	1/4		
6,046'	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 19th day of July, 1982.


My Commission Expires 11-30-84

RECEIVED

JUL 21 1982

ACE
HOBBS OFFICE