

# DEVIATION SURVEY

COMPANY: HNG FOSSIL FUELS COMPANY LEASE: EXCEL WELL NO. 1  
 ADDRESS: P. O. Box 1188, Houston, Texas - 77001 FIELD: Wildcat  
 LOCATION: Unit Letter "F", 1939' FNL and 3300' FEL of Section 1, Township 31 N,  
 Range 32 E, N.M.P.M.

MEASURED DEPTH	COURSE	ANGLE OF INCLINATION	DISPLACEMENT PER 100'	COURSE DISPLACEMENT	ACCUMULATIVE DISPLACEMENT
(Feet)	(Hundred's Feet)	(Degree's)	(Sine of angle x 100)	(Feet)	(Feet)
283'	2.83'	1/2°	.87265	2.47	2.47
561'	2.78'	1/2°	.87265	2.43	4.90
882'	3.21'	1/2°	.87265	2.80	7.70
1157'	2.75'	1/2°	.87265	2.40	10.10
1450'	2.93'	1. °	1.74524	5.11	15.21
1769'	3.19'	3/4°	1.30896	4.18	19.39
2057'	2.88'	3/4°	1.30896	3.77	23.16
2475'	<u>4.18'</u>	3/4°	1.30896	5.47	28.63
TD.	<u>24.75</u>				

Accumulative total displacement of well bore at total depth of 2475 feet is  
 28.63' feet.

Inclination measurements were made in open hole.

Distance from surface location of this well to nearest lease line is 1939 feet.

The subject well was not, at anytime, intentionally diviated from the vertical  
 in any manner whatsoever.