

INCLINATION REPORT

OPERATOR Shall Oil Co. **ADDRESS** Box 981, Houston, TX 77001
LEASE NAME N.H.G. 32-432 **WELL NO.** 432 **FIELD** HOBBS (G/SA)
LOCATION UNIT LETTER I, 1400 ESL and 1300 FEL, SECTION 32, T-18-S, R-38-E

DEPTH	ANGLE INCLINATION DEGREES	DISPLACEMENT	DISPLACEMENT ACCUMULATED
510	1/2	4.4370	4.4370
1003	3/4	6.5238	10.9608
1379	3/4	4.8601	15.8209
1600	1 3/4	3.7405	22.5614
2090	1	8.5750	31.1364
2554	1	3.1200	39.2564
3048	1 1/2	12.9428	52.1992
3075	1 1/2	.7074	52.9066
3542	1 1/4	10.1806	63.0872
4035	1	8.6275	71.7147
4400	1	6.3875	78.1022

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COM. ANY

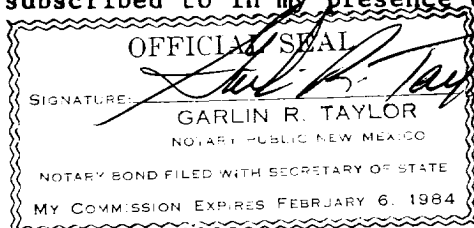

TITLE OFFICE MANAGER

AFFIDAVIT:

Before me, the undersigned authority, appeared Denise Seake
 known to me to be the person whose name is subscribed herebelow, who, on making
 deposition, under oath states that he is acting for and in behalf of the operator
 of the well identified above, and that to the best of his knowledge and belief such
 well was not intentionally deviated from the true vertical whatsoever.


AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this 28 day of October, 19 80



SEAL

Notary Public in and for the County
 of Lea, State of New Mexico