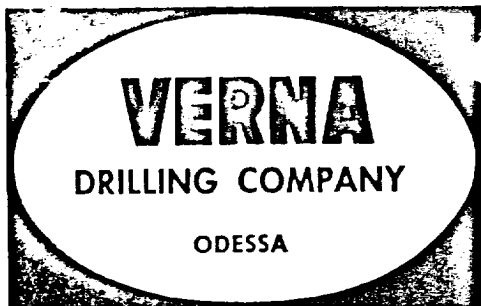
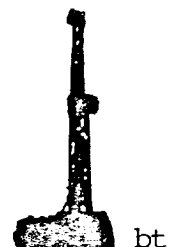




P. O. Box 952, Odessa, Texas 79760
(915) 381-0910 or 563-2023



DATE: December 29, 1978

OPERATOR: Gulf Oil Corporation
P. O. Box 670
Hobbs, New Mexico 88240

LEASE NAME AND WELL NUMBER: Arnott-Ramsay NCT-B #5

LEGAL DESCRIPTION: 330' FSL & 1650' FEL Section 32, T-25-S, R-37-E

COUNTY AND STATE: Lea County, New Mexico

MEASURED DEPTH	COURSE LENGTH	ANGLE OF INCLINATION	DISPLACEMENT PER 100 FEET	COURSE DISPLACEMENT	ACCUMULATIVE DISPLACEMENT
360	3.60	1/4	.44	1.58	1.58
858	4.98	3/4	1.31	6.52	8.10
1325	4.67	3/4	1.31	6.12	14.22
1833	5.08	1 1/4	2.16	10.97	25.19
2292	4.59	2	3.49	16.02	41.21
2547	2.55	2	3.49	8.90	50.11
2704	1.57	2 1/4	3.93	6.17	56.28
2949	2.45	2 1/2	4.36	10.68	66.96
3136	1.87	2 1/2	4.36	8.15	75.11
3500	3.64	1 1/4	2.16	7.86	82.97

I declare under penalties prescribed in Article 6036c, R. S. C., that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge.

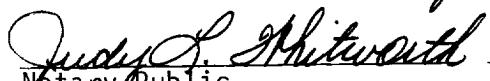

SIGNATURE OF AUTHORIZED REPRESENTATIVE

GERALD M. SCOTT CONTROLLER
VERNA DRILLING COMPANY - ODESSA

(915) 381-0910

GMS/jw

Subscribed and sworn to before me this
1st day of February, 19 79


Notary Public
(commission expires 3/18/79)
Ector County

MEASURED DEPTH	COURSE LENGTH	ANGLE OF INCLINATION	DISPLACEMENT PER 100 FEET	COURSE DISPLACEMENT	ACCUMULATIVE DISPLACEMENT
-------------------	------------------	-------------------------	------------------------------	------------------------	------------------------------

12-11-1957

1000

1000 1000 1000
1000 1000 1000