

ATTACHMENT TO: FORM C104

RECEIVED

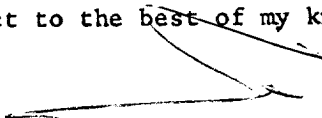
JUL 21 1972

DEVIATION SURVEYS
MALCO "B" FEDERAL NO. 3
EMPIRE ABO

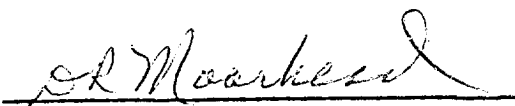
O. C. C.
ARTESIA, OFFICE

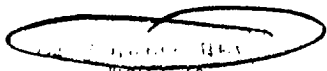
<u>Depth Totco Ran</u>	<u>Interval Between Totcos</u>	<u>Drift Indicated By Totco</u>	<u>Horizontal Drift Over Interval</u>	<u>Cumulative Horizontal Drift</u>
309'	309'	1/2°	2.7	2.7
590'	281'	3/4°	3.7	6.4
850'	260'	3/4°	3.4	9.8
1001'	251'	1/4°	1.1	10.9
1501'	500'	1/2°	4.4	15.3
1998'	497'	3/4°	6.5	21.8
2320'	322'	3/4°	4.2	26.0
2811'	491'	3/4°	6.4	32.4
3315'	504'	3/4°	6.6	39.0
3621'	306	1-1/4°	6.7	45.7
4115'	494'	1-1/4°	10.8	56.5
4360'	245'	2-1/4°	9.6	66.1
4575'	215'	2-1/2°	9.4	75.5
4823'	248'	3-1/2°	15.1	90.6
4921'	98'	3-1/2°	6.0	96.6
5181'	260'	5 °	22.7	119.3
5447'	266'	5 °	23.2	142.5
6105'	658'	5-1/4°	60.2	202.7

The above are true and correct to the best of my knowledge and belief.


V. E. STALEY - AREA SUPERINTENDENT

Sworn to this date, July 19, 1972


D. R. MOORHEAD
Notary Public In And For Lea County
New Mexico
My commission expires June 18, 1975


D. R. MOORHEAD
0824