

WELL NAME AND NUMBER LANGLIE FEDERAL "A" No. 2

LOCATION SEC. 14, T25S, R37E, LEA CO., NEW MEXICO

OPERATOR ATLANTIC REFINING CO.

DRILLING CONTRACTOR MORAN OIL PROD. & DRLG. CORP.

THE UNDERSIGNED HEREBY CERTIFIES THAT HE IS AN AUTHORIZED REPRESENTATIVE OF THE DRILLING CONTRACTOR WHO DRILLED THE ABOVE DESCRIBED WELL AND THAT HE HAS CONDUCTED DEVIATION TESTS AND OBTAINED THE FOLLOWING RESULTS:

DEGREES @ DEPTH

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167 - 350	1 1/4 - .79	545 - 4410	3	- 28.50
290 - 590	3/4 - 2.17	274 - 4684	6	- 28.65
283 - 873	1 - 7.00	31 - 4715	6	- 3.19
67 - 940	1	25 - 4740	6	- 2.61
260 - 1200	1	66 - 4806	5 1/2	- 6.33
285 - 1485	3/4 2.79	150 - 4956	5 3/4	- 15.02
275 - 1760	1 1/4 5.97	29 - 4985	5 1/2	- 2.78
330 - 2090	1 3/4 10.04	29 - 5014	5	- 2.53
210 - 2300	2 3/4 10.08	29 - 5043	5	- 2.53
80 - 2380	2 3/4 3.81	30 - 5073	4 3/4	- 2.49
95 - 2475	2 1/2 8.13	30 - 5103	4 3/4	- 2.49
100 - 2575	2 1/2 - 9.36	31 - 5134	5	- 2.70
41 - 2616	2 1/4 - 1.61	29 - 5163	4	- 2.02
234 - 2850	2 - 8.17	30 - 5193	4	- 2.10
216 - 3066	2 1/2 - 9.40	37 - 5230	4 1/4	- 2.61
289 - 3355	2 1/2 12.58	25 - 5255	4 1/4	- 1.85
255 - 3610	1 3/4 7.75	30 - 5285	4 1/4	- 2.22
255 - 3865	2 1/2 11.10	61 - 5346	4	- 4.29
		301 - 5647	4	-

Max. Deflection
to bottom of
perf. 233.59'

LJR

116 Bottom of Perf. 5464 4 - 8.23

MORAN OIL PRODUCING & DRILLING CORP.

By: *R. M. Moran*
R. M. MORAN, PRES.

SUBSCRIBED AND SWORN TO BEFORE ME THIS 12 DAY OF MARCH, 1963.

MY COMMISSION EXPIRES:

9-16-63

Edna Hoff
NOTARY PUBLIC
LEA COUNTY, NEW MEXICO