

WELL NAME AND NUMBER Federal 11-20-34 #3 - L 11-20-34 2001

LOCATION Section 11, T20S, R34E, Lea County, New Mexico 1892/8 + 660/W
(New Mexico give U.S.T. & R. - Texas give S, BLK, SURV. and TWP)

OPERATOR National Cooperative Refinery Association

DRILLING CONTRACTOR MORANCO Drilling, Inc.

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 and Depth	Degrees and Depth	Degrees and Depth	Degrees and Depth
1/4 195	1/2 4400	1 7741	4 1/2 10794
1/2 400	1/4 4649	1 7987	4 1/2 10945
1 557	1 4989	1 1/4 8291	4 11005
1/4 1330	3/4 5175	1 1/2 8607	2 3/4 11197
1/4 1800	1/4 5680	1 3/4 8890	2 11252
3/4 2211	3/4 6167	1 3/4 9035	1 1/2 11446
1 3/4 2711	1/2 6652	1/4 9232	1 1/2 11785
3 2980	3/4 7147	1 3/4 9562	1 1/2 11941
2 1/2 3073	1 1/4 7645	2 9875	1 3/4 12185
1 3/4 3210	2 7624	2 10183	1 1/2 12343
1/2 3909	1 7645	3 1/2 10427	2 1/2 12849
3/4 3975	1/4 7659	4 1/4 10548	2 3/4 13007
1/4 4154	1 7700	4 10670	1 3/4 13348

Drilling Contractor MORANCO Drilling, Inc.

By Wiley Gilmore
Wiley Gilmore - Marketing Manager

Subscribed and sworn to before me this 5th day of July 19 88

My Commission expires:

January 30, 1989

Susie Branyon
Notary Public
Lea County, New Mexico
Susie Branyon