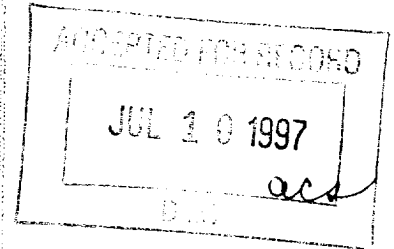


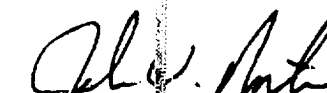
Deviation surveys taken on Yates Petroleum Corporation's Brannigan ANF
Fed #4 well in Eddy County, New Mexico:

Depth	Degree
198	1.00
360	.75
802	.50
1280	.50
1800	.75
2340	.25
2858	1.00
3261	1.00
3760	.25
4258	1.50
4631	1.25
4851	2.00
4974	2.75
5067	2.75
5159	2.75
5251	3.00
5314	2.50
5404	2.75
5438	3.00
5532	3.00
5594	2.50
5555	2.25
5751	2.25
5843	2.75
5966	2.50
6058	2.75
6244	3.00
6305	3.00
6429	3.25
6523	3.75
6618	4.00
6679	3.75
6741	3.75
6825	3.00
6947	1.75
7201	1.00
7698	1.75
8280	.50



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FEDERAL SERVICE

I hereby certify that I have personal knowledge of the facts placed on this
sheet and that such information given above is true and complete.


Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared John
W. Norton, known to me to be the person whose name is subscribed hereto, who,