

31-25-32E

WELL White Swan "9" Federal #1 Unit #1  
33E/54 330/E  
LOCATION Sec. 9-22S-32E, Lea County, New Mexico  
OPERATOR Santa Fe Energy Resources, 550 W. Texas, Suite 1330, Midland, TX 79701  
DRILLING CONTRACTOR Exeter Drilling Company

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:

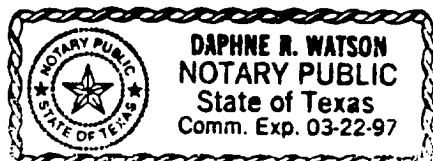
Degrees @ Depth		Degrees @ Depth		Degrees @ Depth	
3/4	210	5	3,615	3 1/2	4,175
1/4	460	3	3,497	3 1/2	4,205
3/4	619	2 3/4	3,437	3	4,237
1 1/4	1,109	2 1/2	3,359	2 1/2	4,268
1	1,608	2	3,390	3	4,299
2	2,109	1	3,422	2 1/2	4,331
2 1/2	2,233	1 1/4	3,497	3	4,362
1 1/4	2,335	2 1/4	3,590	3	4,393
2 1/4	2,585	2 1/4	3,621	2 3/4	4,424
2 3/4	2,679	2 1/2	3,651	2 3/4	4,456
2 3/4	2,741	2 3/4	3,684	2 3/4	4,487
3	2,804	2 1/4	3,715	2	4,519
3	2,866	2 3/4	3,746	2 3/4	4,550
3 1/4	2,929	3	3,778	2 1/4	4,590
2 3/4	2,991	3	3,708	1 1/2	4,681
2 1/2	3,053	2 3/4	3,801	1	5,181
2 1/4	3,116	2 1/2	3,832	3/4	5,684
2 1/2	3,147	1 1/4	3,901	1/2	6,185
3	3,241	3/4	3,931	1/2	6,685
2 3/4	3,304	3/4	3,994	1/2	7,187
2 1/2	3,367	2 3/4	4,084	3/4	7,684
2 1/4	3,429	3 3/4	4,116	1/2	8,182
2 3/4	3,492	3 3/4	4,145	3/4	8,920

Drilling Contractor: EXETER DRILLING COMPANY

By:

Bob Lange  
Bob Lange  
Drilling Manager  
Southern Division

Subscribed and sworn before me this 9th day of July, 1993.



Daphne R. Watson  
Daphne R. Watson  
Notary Public  
Commission Expires: March 22, 1997