



K. Jay Reynolds

ROD RIC CORPORATION

P. O. BOX 1767

MIDLAND, TEXAS 79702

(915) 682-7880

Well Name & Number McDonald State WN # 31-A 660/N + E

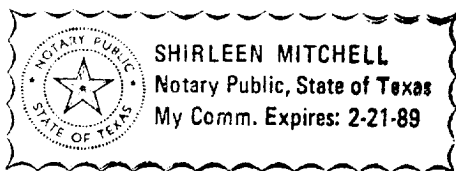
Operator ARCO Oil + Gas Company

Location Section 14, T-22-S, R-36-E - Lea County, New Mexico

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:

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
368	368	0	1.75	6.44	6.44
496	128	3/4	1.31	1.68	8.12
988	492	3/4	1.31	6.45	14.57
1265	277	1/2	.87	2.41	16.98
1752	487	1 1/4	2.18	10.62	27.60
2032	280	2 1/4	3.93	11.00	38.60
2165	133	2	3.49	4.64	43.24
2418	253	2 1/4	3.93	9.94	53.18
2542	124	2 1/4	3.93	4.87	58.05
2670	128	3	5.23	6.69	64.74
2800	130	3	5.23	6.80	71.54
2895	95	3	5.23	4.97	76.51
3022	127	3 1/4	5.67	7.20	83.71
3086	64	4	6.98	4.47	88.18
3149	63	3 1/4	5.67	3.57	91.75
3213	64	3 1/2	6.10	3.90	95.65
3277	64	3	5.23	3.35	99.00
3338	61	3	5.23	3.19	102.19
3404	64	3	5.23	3.45	105.64
3467	63	2 3/4	4.80	3.02	108.66



Drilling Contractor: Rod Ric Corporation

By: Jane W. Thomas

Subscribed and sworn to before me this 22nd day of June 1988

Shirleen Mitchell
Notary Public

My Commission Expires _____

Midland County, Texas

RECEIVED

JUL 25 1988

GIS
HOBBS OFFICE