

KRC

K. Jay Reynolds

ROD RIC CORPORATION

P. O. BOX 1767

MIDLAND, TEXAS 79702

(915) 682-7880

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Well Name & Number Federal (USA) "J" #4

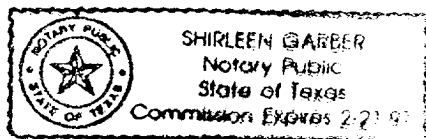
Operator Texaco Exploration and Production, Inc.

Location 1980'FSL, 1980'FEL, Lea Co., NM

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)
296	296	3/4	1.31	3.88	3.88
450	154	3/4	1.31	2.02	5.90
834	384	1	1.75	6.72	12.62
1204	370	1 1/4	2.18	8.07	20.69
1500	296	1	1.75	5.18	25.87
1794	294	1 1/2	2.62	2.70	33.57
2020	226	2 3/4	4.80	10.85	44.42
2128	158	2 3/4	4.80	2.58	52.00
2337	159	3	5.23	8.32	60.32
2431	94	2 1/2	4.36	4.10	64.42
2686	235	2 1/2	4.36	11.12	75.54
2986	300	2 1/4	3.93	11.79	87.33
3220	304	2 1/4	3.93	11.95	99.28
3528	288	2	3.49	10.05	109.33
4075	497	2 1/4	3.93	19.53	128.86
4382	307	4	6.98	21.43	150.29
4446	64	4	6.98	4.47	154.76
4507	61	3 3/4	6.54	3.99	158.75
4602	95	3 1/4	5.67	5.39	164.14
4666	64	3 1/4	5.67	3.63	167.77
4760	94	2 3/4	4.80	4.51	172.28
5048	288	1 1/4	2.18	6.28	178.56



Drilling Contractor: Rod Ric Corporation

By: JH Alford

Subscribed and sworn to before me this 1st day of August 1994

Shirleen Garber
Notary Public

My Commission Expires 2/21/97

Midland County, Texas