

April 23, 1998

WELL NAME AND NUMBER:
LOCATION:
OPERATOR:
DRILLING CONTRACTOR:

FLINTSTONE #1 *v Federal Unit F*
Sec 24 T23S R35E *1938/u & 2157/w*
DISCOVERY OPER.
PATTERSON DRILLING *30-025-34253*

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:

DEGREE AND DEPTH		DEGREE AND DEPTH		DEGREE AND DEPTH	
0.25	300	0.75	3996	2.25	6017
0.25	506	1.25	4456	2.00	6137
1.00	1002	3.75	4826	1.75	6436
NP	1327	4.25	4840	1.00	6714
0.75	1359	3.25	4950	1.75	7021
1.50	1681	4.00	5051	1.00	7514
0.75	1866	3.75	5077	1.75	7972
1.00	2201	3.00	5138	2.00	8435
1.00	2600	3.25	5170	3.50	8724
0.50	2943	3.00	5261	4.00	8804
2.00	3285	2.00	5328	4.00	8897
2.00	3469	2.75	5421	3.75	8990
2.75	3624	2.00	5515	3.75	9084
3.00	3715	2.25	5576	4.00	9177
2.00	3810	2.50	5729	4.25	9268
2.00	3903	2.00	5850	4.00	9359

Drilling Contractor: PATTERSON DRILLING.

By: *Billy Jensen*
Billy Jensen

Subscribed and sworn to before me on this 23rd day of April, 1998.

My Commission Expires:
June 30, 2001

Mary G. Henson
Mary G. Henson

4.25	9462	3.00	12052	1.50	12962
4.25	9512	3.50	12115	1.75	13071
4.50	9573	3.75	12178	1.25	13166
4.25	9646	3.25	12238	1.50	13293
4.50	9739	3.00	12268	2.00	13310
5.00	9758	3.25	12333	2.50	13420
3.75	10011	3.25	12391	2.75	13489
1.00	10594	3.50	12427	2.50	13544
0.75	10657	3.00	12517	2.75	13637
1.50	10907	3.75	12585	2.00	13687
1.50	10997	3.25	12625	2.75	13795
0.75	11181	3.00	12690	2.50	13887
0.75	11366	2.00	12742	3.00	14010
0.75	11582	2.25	12815	3.25	14164
1.00	11797	1.50	12867		