

September 11, 1997

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

SV" BUTCH CASSIDY STATE #1  
SEC.6 T16S R34E  
MANZANO OIL CORP.  
PATTERSON DRILLING CO.

Unit J  
4290/S & 2211/E  
30-025-34040

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	
0.50	804	0.25	4300	1.75	9217
1.25	1578	0.75	4818	1.75	9465
0.25	1917	1.50	5313	1.50	9745
0.50	2301	1.25	5807	1.25	10086
1.00	2661	0.75	6789	0.75	10728
0.75	3005	0.75	7282	1.25	11103
0.50	3344	0.50	7780	1.50	11597
0.75	3676	0.50	8264	1.00	12339
0.50	4088	0.75	8725	0.50	12600

Drilling Contractor: PATTERSON DRILLING CO.

By: Billy Jensen  
Billy Jensen

Subscribed and sworn to before me on this 11th day of September, 1997

My Commission Expires:  
June 30, 2001

Mary G. Henson  
Mary G. Henson