

# S&H DRILLING COMPANY

## ROTARY DRILLING

FORT WORTH, TEXAS POST OFFICE BOX 100584 76185-0584  
AREA CODE 817 PERSHING 2-4321

August 10, 1987

Devon Energy Corporation  
20 North Broadway  
Suite 1500  
Oklahoma City, Oklahoma 73102-8260

Attention: Mr. Ernie Buttross

Re: Hawk 9-1 Federal No. 13  
Eddy County, New Mexico

This is to certify that during the drilling of the above captioned well, measurements of deviation from true vertical were recorded inside drillpipe; and the depths and deviation angles were recorded as reported below:

Measured Depth	Devia- tion	Course Length	Displ per 100 ft	Course Displ	Accum Displ
172	0.50	172	0.8727	1.50	1.50
345	0.25	173	0.4363	0.75	2.26
523	0.25	178	0.4363	0.78	3.03
704	1.00	181	1.7453	3.16	6.19
788	0.50	84	0.8727	0.73	6.92
970	0.50	182	0.8727	1.59	8.51
1,132	1.75	162	3.0543	4.95	13.46
1,569	1.75	437	3.0543	13.35	26.81
2,030	2.00	461	3.4907	16.09	42.90
2,389	1.25	359	2.1817	7.83	50.73
2,609	0.25	220	0.4363	0.96	51.69
		2,609		51.69	

At a total depth of 2,609 ft, the maximum displacement shall not exceed 51.69 feet. The wellbore was not at any time intentionally deviated from vertical.

S & H Drilling Company

  
Travis W. Hazlewood  
General Manager