

August 20, 1996

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

TOMCAT FEDERAL #1
SEC 21 T23S R32E
PENWELL ENERGY INC.
ZIADRIL, Inc.

Unit "F"
1980/N 1880/W
30-025-33356

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:

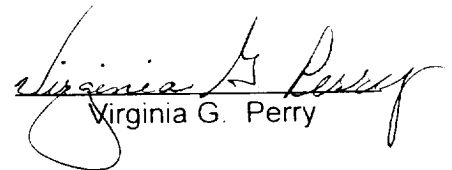
DEGREE AND DEPTH		DEGREE AND DEPTH		DEGREE AND DEPT	
1.00	281'	1.00	5212'	1.00	11622'
1.00	630'	1.00	5712'	2.00	12123'
1.00	980'	0.50	6210'	2.25	12330'
0.75	1340'	0.75	6710'	1.25	12556'
0.75	1684'	0.50	7207'	1.75	13047'
0.50	2029'	0.75	7706'	1.00	13543'
0.75	2372'	0.75	8585'	1.25	14040'
1.25	3063'	0.50	8860'	1.25	14450'
1.00	3313'	1.00	9188'	1.75	14643'
0.75	3658'	0.25	9499'	1.25	14864'
1.00	4000'	1.00	9779'	1.50	14984'
2.50	4346'	0.25	10060'	1.50	15706'
2.75	4471'	0.50	10278'	1.75	15390'
3.00	4566'	1.00	10622'	1.75	15487'
1.75	4720'	1.25	11122'		

Drilling Contractor: ZIADRIL, In

By: 
Billy Jensen

Subscribed and sworn to before me this 20th day of August.

My Commission Expires:
September 13, 1996


Virginia G. Perry