



Patterson Drilling Company

410 N. Loraine Street — (915) 682-9401
Midland, Texas 79701

May 17, 1999

Patterson Petroleum, Inc.
P O Drawer 1416
Snyder, TX 79550

RE: Inclination Report
Tomahawk ~~***~~ 19 State
Sec 19; T-17-S; R-34-E

#1 - H, 2616/W 1148/E
30-025-34583

Gentlemen:

The following is an inclination survey on the above referenced well located in Eddy County, New Mexico:

380' - 0.50	4221' - 1.00	10736' - 1.00
874' - 0.75	4503' - 1.00	11205' - 1.50
1372' - 1.00	4790' - 1.00	11467' - 2.75
1866' - 0.75	5273' - 0.25	11559' - 1.75
2361' - 0.75	5774' - 1.00	11653' - 1.50
2608' - 1.00	6272' - 1.00	11743' - 1.50
2853' - 1.50	6770' - 1.00	11838' - 1.50
2945' - 2.00	7301' - 0.50	11996' - 1.50
3038' - 1.50	7768' - 0.50	12122' - 1.00
3161' - 1.00	8239' - 0.75	12314' - 1.75
3253' - 1.00	8739' - 0.50	12409' - 1.75
3532' - 1.75	9270' - 0.50	12598' - 2.25
3624' - 0.75	9769' - 0.25	12726' - 1.75
3718' - 1.00	10232' - 1.00	12947' - 1.75
3969' - 0.50	10518' - 0.50	13518' - 2.50

Sincerely,

Rebecca Edwards

Rebecca A. Edwards
Administrative Assistant

STATE OF TEXAS)
)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 17th day of May, 1999 by Rebecca A. Edwards.

MY COMMISSION EXPIRES:

Treva Forrester

NOTARY PUBLIC

