



Patterson Drilling Company

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

July 23, 1999

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

RE: Inclination Report
Arrowhead State 15 No. 1
Sec 15; T-17-S; R-33-E

Unit A 1087/N & 1235/E
30-025-34633

Gentlemen:

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

405' - 1.25	5600' - 1.00	12056' - 5.25	12668' - 5.50
901' - 0.50	6085' - 1.50	12129' - 5.25	12699' - 4.80
1400' - 0.50	6320' - 1.00	12190' - 7.25	12730' - 3.80
1886' - 1.00	6806' - 1.00	12222' - 8.00	12762' - 2.80
2135' - 0.50	7276' - 1.25	12284' - 9.30	12793' - 2.50
2385' - 0.75	7681' - 0.75	12300' - 8.90	12808' - 2.50
2633' - 1.25	8180' - 0.50	12315' - 8.50	12824' - 2.40
2884' - 1.50	8679' - 0.50	12347' - 8.30	12856' - 2.10
2979' - 1.25	9179' - 0.75	12380' - 7.90	12970' - 1.00
3229' - 1.00	9679' - 1.00	12412' - 7.00	13065' - 1.75
3479' - 0.75	10150' - 1.00	12444' - 7.00	13162' - 1.75
3730' - 1.50	10630' - 1.00	12476' - 7.00	13257' - 1.50
3887' - 0.75	11116' - 1.00	12508' - 7.20	13343' - 1.25
4126' - 1.00	11615' - 1.50	12540' - 6.60	13447' - 1.00
4376' - 1.00	11738' - 2.50	12572' - 5.90	13826' - 1.50
4626' - 1.00	11865' - 3.50	12604' - 5.70	
5118' - 1.00	11970' - 4.50	12635' - 5.50	

Sincerely,

Rebecca Edwards
Rebecca A. Edwards
Administrative Assistant

STATE OF TEXAS)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 23rd day of July, 1999 by Rebecca A. Edwards.

MY COMMISSION EXPIRES:

Treva Forrester
NOTARY PUBLIC

