

Patterson Drilling Company

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

OCT 29 1999

October 27, 1999

Chesapeake Operating
Drilling Department
P O Box 18496
Oklahoma City, OK 73154-0496

RE: Inclination Report
College of the Southwest #17
Sec 17; T-16-S; R-36-E

#1 - m
981/54 991/w
30.025 - 29535

Gentlemen:

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

8654' - 0.70	9315' - 9.10	9947' - 10.0	10610' - 9.80	11207' - 7.60
8717' - 0.90	9347' - 10.0	9979' - 9.80	10641' - 9.00	11238' - 7.20
8748' - 1.00	9379' - 10.1	10010' - 9.80	10673' - 9.30	11269' - 6.80
8779' - 1.20	9410' - 10.4	10042' - 10.2	10704' - 9.80	11300' - 6.80
8810' - 2.00	9442' - 9.90	10074' - 10.6	10735' - 10.5	11331' - 7.00
8841' - 2.90	9473' - 9.50	10106' - 10.5	10766' - 11.0	11363' - 7.10
8872' - 4.00	9505' - 9.70	10137' - 10.5	10798' - 11.1	11394' - 7.20
8904' - 5.40	9537' - 9.50	10168' - 10.6	10829' - 11.1	11425' - 7.00
8936' - 5.80	9568' - 9.30	10200' - 10.6	10860' - 10.7	11456' - 6.80
9000' - 6.80	9633' - 9.00	10264' - 10.1	10892' - 10.6	11488' - 6.80
9032' - 7.60	9664' - 9.60	10295' - 9.60	10924' - 10.0	11518' - 6.90
9063' - 7.80	9694' - 9.70	10327' - 9.80	10956' - 9.60	11549' - 7.30
9095' - 8.30	9726' - 9.90	10359' - 9.80	10987' - 9.00	11579' - 7.50
9127' - 8.60	9758' - 9.60	10390' - 9.90	11018' - 9.00	11610' - 7.70
9158' - 9.00	9790' - 9.80	10422' - 9.80	11050' - 8.70	11640' - 7.50
9190' - 9.00	9822' - 9.60	10454' - 9.60	11082' - 8.60	11671' - 7.50
9221' - 8.80	9853' - 9.50	10486' - 9.10	11114' - 8.70	
9253' - 8.60	9885' - 9.50	10517' - 9.50	11145' - 8.20	
9284' - 9.90	9916' - 9.50	10579' - 9.30	11177' - 7.80	

Sincerely,

Rebecca Edwards
Rebecca A. Edwards
Administrative Assistant

STATE OF TEXAS)

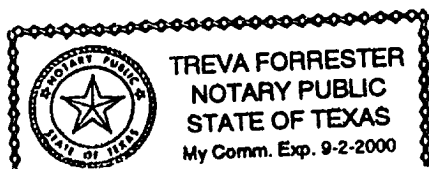
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 27th day of October, 1999 by Rebecca A. Edwards.

MY COMMISSION EXPIRES:

Treva Forrester

NOTARY PUBLIC



KZ