

JUL 19 1999



Patterson Drilling Company

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

July 15, 1999

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

RE: Inclination Report
Kala #12 #1 - C - 12 - 165 - 35e
Sec 12; T-16-S; R-35-E

50°/N & 2503/W
30-025-34624

Gentlemen:

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

248' - 0.75	5977' - 0.25	10284' - 0.75
960' - 0.25	6231' - 0.50	10976' - 68.5
1340' - 0.00	6484' - 1.25	11039' - 16.6
1860' - 0.25	6739' - 1.25	11166' - 29.0
2365' - 0.50	7217' - 0.50	11324' - 45.2
2847' - 1.50	7502' - 1.00	11449' - 55.6
3070' - 0.75	7755' - 1.00	11543' - 63.4
3575' - 0.75	8008' - 1.50	11684' - 75.1
4052' - 0.50	8259' - 1.00	11754' - 89.3
4190' - 1.00	8510' - 1.00	11889' - 91.8
4708' - 1.00	8764' - 1.00	11984' - 91.7
4930' - 0.50	9264' - 1.00	12080' - 90.8
5217' - 1.00	9522' - 1.00	12174' - 90.5
5469' - 0.75	9778' - 0.25	12277' - 88.8
5721' - 0.50	10031' - 0.75	12294' - 87.9

Sincerely,

Rebecca Edwards

Rebecca A. Edwards
Administrative Assistant

STATE OF TEXAS)
COUNTY OF MIDLAND)

The foregoing was acknowledged before me this 15th day of July, 1999 by Rebecca A. Edwards.

MY COMMISSION EXPIRES:

Treva Forrester
NOTARY PUBLIC

