

Schlumberger

Anadrill

MDC Operations
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State of Texas
County of Midland

I, John Hawkes, certify that; I am employed by Anadrill, a division of Schlumberger Technology Corporation; that I did on the days of 9/4/97 through 9/12/97 conduct or supervise the taking of MWD surveys from a depth of 11390 feet to a depth of 12253 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Anadrill, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Chesapeake Operating, Inc., for Bus Barn 4 #1Y, API No. 30-025-33776 in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Anadrill, a division of Schlumberger Technology Corporation.



John Hawkes,
MWD I