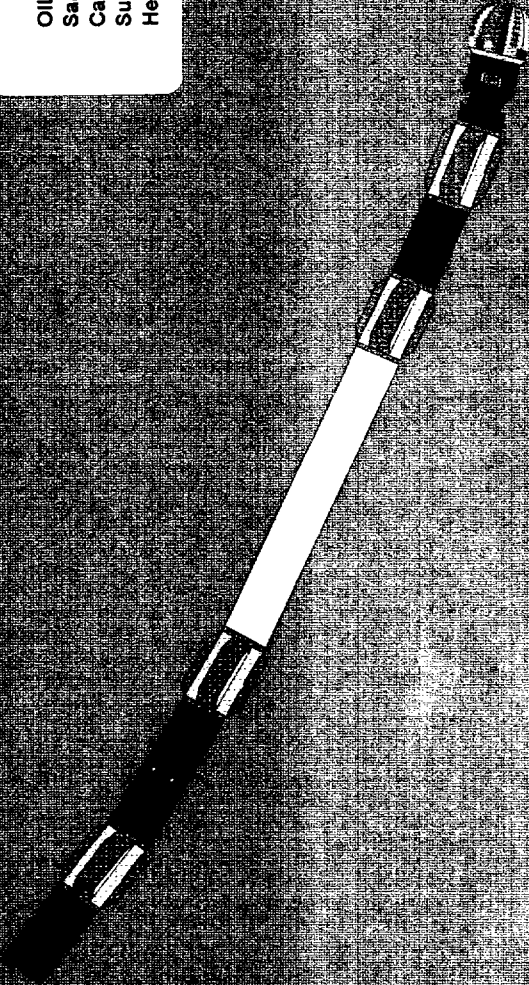


SHORT RADIUS



Before The
 OIL CONSERVATION DIVISION
 Santa Fe, New Mexico
 Case No. 11264 Exhibit No. 5
 Submitted by: Marathon Oil Company
 Hearing Date: April 20, 1995



SHORT RADIUS MOTOR SPECIFICATIONS

MOTOR SIZE	BIT SIZE	DESIGN RADIUS	GPM	RPM	TEMP LIMIT	DIFF PRESS	MAX OP TORQUE
3 1/8"	3 7/8" - 4 1/8"	60' - 100'	90-120	182-365	260 F		400 ft lbs
3 3/4"	4 1/2" - 4 3/4"	40' - 100'	150 - 185	210 - 370	260 F	683 psi	679 ft lbs
4 3/4"	5 7/8" - 6"	40' - 100'	130 - 225	150 - 255	260 F	300 psi	605 ft lbs