



August 11, 1998

Patterson Drilling Company

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

N.M. Oil Cons. Division
311 S. 1st Street
Artesia, NM 88210-2834

Drilling Department
Phillips Petroleum Company
4001 Penbrook
Odessa, TX 79762

RE: Inclination Report
Grayburg Deep Unit #19
Sec 25; T-17-S; R-29-E



Gentlemen:

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

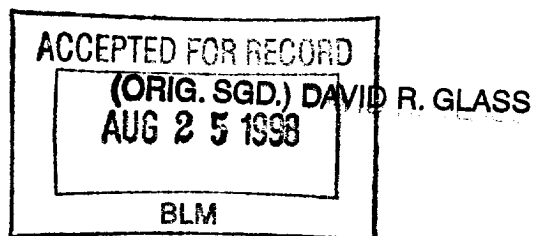
480' - 1.25	6029' - 3.00	6983' - 2.00	7876' - 0.72	9267' - 0.60	10441' - 1.85
825' - 0.75	6062' - 3.75	7079' - 3.75	7940' - 0.75	9332' - 0.60	10473' - 2.27
1014' - 1.50	6091' - 3.75	7109' - 3.75	8004' - 0.51	9395' - 1.68	10504' - 3.20
1206' - 1.00	6136' - 3.58	7139' - 3.50	8068' - 0.53	9491' - 1.52	10536' - 4.36
1393' - 1.50	6169' - 3.30	7171' - 4.00	8131' - 0.45	9523' - 1.01	10567' - 5.15
1869' - 0.25	6273' - 3.00	7212' - 3.90	8234' - 0.70	9554' - 0.67	10600' - 5.98
2343' - 0.75	6306' - 2.90	7243' - 4.10	8257' - 1.00	9617' - 0.59	10632' - 6.78
2636' - 0.75	6337' - 2.60	7275' - 3.10	8320' - 0.90	9681' - 0.39	10663' - 7.64
2780' - 0.00	6368' - 2.40	7347' - 2.80	8343' - 0.99	9744' - 0.63	10694' - 8.42
3192' - 1.25	6400' - 2.10	7379' - 2.40	8477' - 1.12	9806' - 0.80	10727' - 9.13
3692' - 0.75	6431' - 1.70	7410' - 2.00	8509' - 1.20	9870' - 0.47	10758' - 9.70
4171' - 1.50	6486' - 1.35	7412' - 1.37	8573' - 1.00	9901' - 0.49	10789' - 10.07
4470' - 1.75	6518' - 1.30	7433' - 1.31	8637' - 1.00	9932' - 0.23	10822' - 10.58
4681' - 1.25	6549' - 1.30	7465' - 1.28	8699' - 1.27	9964' - 0.06	10854' - 11.30
5158' - 1.50	6590' - 1.00	7497' - 0.95	8761' - 1.30	10027' - 0.18	10885' - 11.90
5635' - 2.75	6621' - 0.70	7528' - 0.80	8824' - 1.28	10090' - 0.31	10917' - 11.65
5696' - 2.25	6652' - 0.79	7560' - 0.78	8888' - 1.40	10154' - 0.34	10948' - 11.71
5730' - 2.50	6714' - 1.15	7592' - 0.83	8951' - 0.95	10217' - 0.54	10979' - 11.70
5792' - 3.00	6745' - 1.36	7624' - 0.70	9015' - 0.92	10281' - 0.60	11010' - 11.90
5856' - 3.00	6796' - 1.50	7687' - 0.89	9078' - 1.10	10346' - 0.77	11043' - 12.23
5919' - 3.00	6859' - 1.50	7790' - 0.81	9150' - 0.70	10378' - 1.32	11074' - 12.42
5966' - 3.00	6920' - 2.00	7854' - 0.72	9205' - 0.60	10409' - 1.62	11106' - 12.92

Sincerely,

Rebecca Edwards
Rebecca A. Edwards
Administrative Assistant

STATE OF TEXAS)

COUNTY OF MIDLAND)



The foregoing was acknowledged before me this 11th day of August, 1998 by Rebecca A. Edwards.

MY COMMISSION EXPIRES:

Treva Forrester
NOTARY PUBLIC

