

PATTERSON DRILLING COMPANY
P. O. DRAWER 1416
SNYDER, TEXAS 79550

TO: ROY WHEELER AMERADA HESS
P. O. BOX 840
SEMINOLE, TX 79360

RIG # 71
DATE 8/19/97
LEASE NMG SAU
WELL # 1621 293
COUNTY LEA, NEW MEX
LEGAL SEC 32 T19S
R37E 40.7E

THE FOLLOWING SURVEYS WERE RUN ON THE ABOVE LEASE. NMOCD Well No. 293
30-025-33997

DEPTH	DEGREE		DEPTH	DEGREE		DEPTH	DEGREE	
442	3/4							
1270	3/4							
1747	1/2							
2065	1							
2416	1							
2862	3/4							
3309	3/4							
3775	1/2							
3930	1/2							

DRILLING CONTRACTOR PATTERSON DRILLING COMPANY

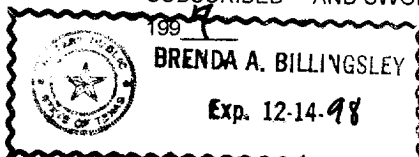
BY

David Cain
DAVID CAIN-ASST. DRILLING SUPERINTENDENT

SUBSCRIBED AND SWORN TO BEFORE

ME THIS

21st DAY OF August



Brenda A. Billingsley
NOTARY PUBLIC

MY COMMISSION EXPIRES 12-14-98

SCURRY COUNTY TEXAS