

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

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

RIG # 71
DATE 12/15/97
LEASE STATE A
WELL # 7 Unit B
COUNTY LEA, NEW MEX.
LEGAL SEC 26, T19S
2-20s- R36E 990/N & 1650/E
30-025-34188

THE FOLLOWING SURVEYS WERE RUN ON THE ABOVE LEASE.

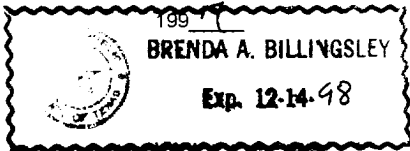
DEPTH	DEGREE	DEPTH	DEGREE	DEPTH	DEGREE
442	1/4				
879	1/4				
1059	3/4				
1331	3/4				
1651	3/4				
1775	1				
2034	2 3/4				
2161	3				
2289	2 1/4				
2417	2 1/4				
2572	1 3/4				
2832	1 1/4				
3271	3/4				
3720	1/2				
4188	1 1/4				
4622	1				
5058	1 1/2				
5379	2 1/4				
5684	3/4				
6120	1				
6524	2				
6825	1 1/2				
7273	3/4				
7700	1				

DRILLING CONTRACTOR: PATTERSON DRILLING COMPANY

BY

David Cain
DAVID CAIN/ASST. DRILLING SUPERINTENDENT

SUBSCRIBED AND SWORN TO BEFORE ME THIS 16th DAY OF December



Brenda A. Billingsley
NOTARY PUBLIC

MY COMMISSION EXPIRES 12-14-98

SCURRY COUNTY, TEXAS