

WOOD, MCSHANE & THAMS
SOUTH LEONARD QUEEN UNIT Tr. 3
WELL #18, API # 30 025 29228
LEA COUNTY, NEW MEXICO

24 - 26 S - 37 E

HOLE DEVIATION RECORD

<u>DEPTH</u>	<u>HOLE DEVIATION</u>	<u>DATESURVEYED</u>
422'	1/4 DEG.	5/17/90
800'	1/2 DEG.	5/18/90
1250'	1/4 DEG.	5/19/90
1611'	1/2 DEG.	5/19/90
1892'	3/4 DEG.	5/20/90
2203'	1 1/4 DEG.	5/20/90
2608'	2 DEG.	5/20/90
2760'	2 1/4 DEG.	5/20/90
3132'	1 3/4 DEG.	5/21/90
3620'	1 1/2 DEG.	5/23/90

I HEREBY CERTIFY THAT THIS INFORMATION IS TRUE AND CORRECT
TO THE BEST OF MY KNOWLEDGE.


R. CORY RICHARDS
PETROLEUM GEOLOGIST
5/25/90