

WELL NAME & NUMBER South - Justis Unit E-170 30-025-31777

LOCATION Unit L Sec. 13, T25S, R37E
(Give Unit, Section, Township and Range)

OPERATOR Arco Oil & Gas P.O. Box 1610, Midland, Tx. 79702

DRILLING CONTRACTOR Grace Drilling Company P.O. Box 13480, Odessa, Tx. 79768

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH
0.50 442	1.75 4498		
1.00 720	1.00 4909		
1.50 1350	1.00 5317		
1.50 1672	2.75 5605		
2.75 1914	3.25 6050		
3.00 2041			
3.50 2175			
3.00 2259			
3.25 2353			
2.75 2448			
2.00 2542			
0.75 2795			
0.75 3143			
0.50 3595			
2.00 4065			

Drilling Contractor Grace Drilling Company

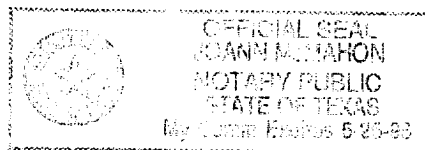
By [Signature]
L. V. Bohannon, Drlg. Supt.

Subscribed and sworn to before me this 12 day of January, 19 93

[Signature]
Notary Public

My Commission Expires _____

Ector County TX



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JUL 06 1993

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OFFICE