

MADDOX ENERGY CORPORATION

MALAGA NO. 1

4 1/2" Liner Installation

Drilled 6 1/8" hole to total depth of 13,100' KB on June 3, 1979.

Ran 4 1/2" liner as follows:

Baker float shoe	1.49'
1 jt., 4 1/2", 13.50#/ft., N-80, LT&C casing	42.74'
Baker float collar	1.50'
1 jt., 4 1/2", 13.50#/ft., N-80, LT&C casing	41.78'
TIW landing collar	0.90'
28 jts., 4 1/2", 13.50#/ft., N-80, LT&C casing	1,153.76'
TIW Type "EJ", 7" x 4 1/2" liner hanger with tie back sleeve	<u>9.16'</u>
Total	1,251.33'
Liner set at	13,100' KB
Top of liner at	11,849' KB
Overlap in 7" liner	221'

Cemented casing with 275 sacks Class "H" with 1% CFR-2 and 5 pounds of KCl per sack. Preceded cement with 300 gallons mud flush. Plug down at 5 PM, June 7, 1979 with 3000 psi. Released pressure and POH with drill pipe.

WOC fourteen hours. Drilled out cement from 11,609' KB to top of liner at 11,849' KB. Tested top of liner with 3000 psi for thirty minutes with no pressure loss.