

EXHIBIT 3

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CHRONOLOGICAL REPORT OF OPERATIONS

JAN 26 1978

DELTA DRILLING COMPANY

O. C. C.
ARTESIA, OFFICE

SOUTH CULEBRA BLUFF NO. 1

24 hours ending midnight

<u>DATE</u>	<u>DEPTH</u>	<u>ACTIVITY</u>
11/ 1/77		Set 40' of 20" conductor 34' below ground level and cemented with 5 cubic yards ready mix. Rigging up Brahaney Drilling Company Rig No. 7. Amoco is Operator.
11/ 2/77		Rigging up.
11/ 3/77		Rigging up.
11/ 4/77		Rigging up.
11/ 5/77		Rigging up.
11/ 6/77	300'	Red bed. Spudded 8:30 A.M. 11/6/77. Mud 8.6#.
11/ 7/77	418'	Waiting on cement. Drilled to 418'. Ran 13 3/8" casing to 418'. Cemented with 500 sacks Class C plus 2% CaCl. Plug down 3:00 P.M. 11/7/77. Circulated 160 sacks to surface. Mud 8.6#/gallon.
11/ 8/77	418'	Nippling up. Tested Blowout Preventer to 800 PSI.
11/ 9/77	1,111'	Drilling. Anhydrite Brine.
11/10/77	1,580'	Drilling. Anhydrite.
11/11/77	2,415'	Drilling. Anhydrite and Salt. Brine.
11/12/77	2,740'	Drilling. Anhydrite and gypsum. Brine.
11/13/77	2,949'	Fishing. Sand and Anhydrite. Twisted off while drilling at 2,949'. Ran overshot. Recovered 1 joint pipe, 17 drill collars and bit. Brine.
11/14/77	3,235'	Drilling. Shale and lime. Brine.
11/15/77	3,493'	Drilling. Shale and lime. Brine.
11/16/77	3,735'	Drilling. Lime and shale. Brine.