

Addresses:

Amerada Hess Corp.  
P. O. Drawer "D"  
Monument, New Mexico 88265

Amerada Hess Corp.  
P. O. Drawer 817  
Seminole, Texas 79360

Amerada Hess Corp.  
P. O. Box 2040  
Tulsa, Oklahoma 74102

13. Hole Size and Casing Program:

- A) Set 8 5/8" casing at  $\pm$  220' and cement to surface.
- B) Drill 7 7/8" hole to 3420', set 5 1/2" casing and attempt to cement to surface. Use guide shoe on bottom and float collar one joint above. Use centralizers, scratchers and ruff coat through last three joints.

14. Mud Program: Have water loss to at least 7cc from 2500' to 3420'. Other mud program natural or as required. Open hole to be drilled using natural gas (3420' to TD).

15. Cementing Program:

- A) Surface String ( $\pm$  220') Cement 8 5/8" casing to surface using class "C" with 2% calcium chloride and 1/4 lb. flo-seal per sack. Approx. 150 sx. of cement.
- B) Production String ( $\pm$  3420')  
Flush hole with 500 gallons mud flush and cement 5 1/2" casing to surface using commercial expanding cement. Reciprocate casing while cementing. Approximately 300 sx. of cement.

16. Contacts:

Engineering: David Bertschinger (Office-915-758-5801)  
(Home-505-392-8977)

*David Bertschinger GM*  
David Bertschinger

Region Approved *HSJ*

DRB/rp

Night Tulsa Telecopier 918-584-5620  
Night Seminole Telecopier 915-758-3141

Approved By *P. J. Padella*

Date Approved *1-14-77*

- cc: L. A. Stricklin
- G. F. Dewhurst
- R. G. Straw
- J. I. Johnson
- F. L. Dailey
- File

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HOBBS, N. M.