

PROGRESS
REPORT ON DRILLING OF HUGHES FEDERAL "B" #2

✓	Div. Mgr	<i>(Signature)</i>
	Geol.	
✓	Land	<i>(Signature)</i>
✓	Prod	<i>(Signature)</i>
✓		<i>(Signature)</i>

- 11-29-66 Tom Brown Drilling Co. moved on location. Spudded surface hole @ 8:00 P.M.
- 11-30-66 Drilled 12 1/4 hole to 368' D.F. Totco 3/4. Ran 13 jts. (354.54) of 9 5/8-36# casing set @ 368'. Cemented w/225 sks. regular & 2% cal. chloride. Circulated cement W.O.C.
- 12-1-66 Drilling ahead @ 1075' Andy. Totco 3/4 @ 858'. Cgs. was tested 600# for 30 min. O.K. Bit #2 drilling 1 M.P.F.
- 12-2-66 Drilling ahead @ 2300' Totco 3/4 @ 1150', 1 @ 1626, 1 @ 2096. Formation salt & andy. Bit #3- 2 M.P.F.
- 12-3-66 Making trip @ 2789'. Totco 2400 1 1/4. Bit #4 2789'. Bit #1 n hole. Formation lime, andy, gyp. Drilling 3 M.P.F.
- 12-4-66 Making trip @ 3133'/ Totco @ 3133 2, formation lime.
- 12-5-66 Drilling ahead @ 3400'. Totco @ 3400'- 1 1/4, formation lime.
- 12-6-66 Drilling ahead @ 3605'. Totco @ 3555'- 1 1/4, formation lime.
- 12-7-66 Finished hole to 3700'. Totco @ 3700'- 1 3/4. Hole was finished @ 4:30. Circulated 1:30 min. Logged w/ Schumberger 5:15. Cond. hole in order to run 7" cgs.
- 12-8-66 Ran 34 jts. 23#, 82 jts. 20#, 7" cgs. set @ 3698'. Cemented w/300 sks. Poz Mix cement 2% Gel. 18% salt 5/10 of 1% per sack C.F.R. 2 adative. 13 centralizers & 18 scratchers were run on 7" cgs. from 3678' to 2489' (zone covered 1189'). Ran temp. survey @ 10:00 P.M. - 12-7-66. Released rig @ 11:45 - 12-7-66. (Top cement @ 2236')