18. I hereby certify that the foregoing is true and correct 9 \_ DATE \_ \_ TITLE \_\_ Petro. Enq. SIGNED claus no such Thomas **J**ugan (This space for Federal or State office use) DATE rentil 615)I procedure procedure n S APPROVED BY CONDITIONS OF APPROVAL, IF ANY: birds birds

11-04-79 Laid down drill pipe and drill collar. Rigged up and ran 154 jts 4-1/2" OD 10.5# 8R USS API csg. TE 6453.65' set @ 6450' RKB. Halliburton cemented 1st stage as follows:

400 gal - chemical wash 200 sx - class "B" w/8% gel and 1/4# flocele per sx. 125 sx - class "B" neat w/1/4# flocele per sx. Total slurry - 532 cu ft.

Reciprocated csg while cementing with full mud returns throughout job. PD 6:30 p.m. 11-4-79. BD 7:00 p.m. Halliburton opened DV tool set @ 4398' and established circulation. Rig hooked up and circulated for 3-1/2 hrs.

Halliburton cemented 2nd stage as follows:

400 gal - chemical wash 400 sx - 65-35 w/12% gel and 1/4# flocele per sx 100 sx - class "B" w/4% gel and 1/4# flocele per sx Total slurry - 1203 cu ft.

Full mud returns throughout job with show of cement returned to surface. PD 10:45 p.m. 11-4-79. Nippled down BOP and set csg clips on 4-1/2" csg. Released rig @ 12:30 a.m. 11/5/79.