

SUPPLEMENT TO USGS FORM 7-330

U.S.A. MARY NELLIS WELL NO. 1

Record of Drill Stem Tests

DST NO. 1 12,606'-12,658'. Tool open 2 hours. Recovered 10' drilling mud. 30 MMSIP 651#, 30 MMSIP 692, IFF 651, FFF 651. Hyd. press 6374, BH temp 218°.

DST NO. 2 12,773'-12,790'. Tool open 2 hours. Recovered 270' salt water and 90' salt water cut mud. Hydrostatic head in 6350. Final 6339. 30 min initial and final 6350. SIP 629. Initial FP 116, FFF 136.

DST NO. 3 13,221'-13,248. Tool open 4 hours. 3/8" BHCH. 1/2" surface ch. GTS 17 min. Flw 1.94 MMCFG. FP 470. Recovered 550' Dist. and 60' water. BHPSI 6481 initial, Final 2 hours 6320 BHPF 774-1031. IHypP 7138. FHypP 7067, BHT 220°.

DST NO. 4 13,275'-13,292. 3/8" BHCH. Tool open 1-1/2" hours. No blow. Recovered 5' drilling mud. BHPSI initial 1415, Final 1 hr 380. BHPF 645. IHyp pres 7162. F HypP 225°.

DST NO. 5 Failed.

DST NO. 6 13,283'-13,342. Tool open 1 hour. No blow. Recovered 120' S.G.C.M. BHPSI initial 30 min 1640. Final 30 min 3540. BHPF 560-690. Hyp press 7040. BHT 120°.

DST NO. 7 13,403'-13,426. Tool open 2-1/2 hours. 3/8" BHC. 1/2" SC. Gas to surface 4 min. Flw 2.41 MMCFG. Surf. Flw press 175. Rec. 500' Dist. 50° API and 180' Dist. and GCM. BHPF 790-883. Hyp press Initial 7187. Final 6957. BHT 238°. BHPSI initial 2 hrs. 6374. Final 2 hrs. 5533.

DST NO. 8 13,513'-13,534. 3/8" BHC. Tool open 2 hours. After 50 min, nearest blow of air for 25 min. and died. Well dead balance of test. Rec. 125' GCM. IBHPSH 5739. FBHPSI 5697. IBHPP 558, FBHPP 604. Hyd BHP 7192. BHT 241°.