

SUMMARY OF DST TAKEN ON #1 BELL 15 STATE

Location of #1 Bell 15 State
1980' fSL & 660' FWL
Sec. 15 Twp. 16S Rge. 33E

DST #1 Interval 4800'-4920' Taken Dec. 28, 1971

Csg. hole size 7 7/8", Drill pipe size 4 1/2" , Drill collar size 6 1/2", Johnston Tool, Johnston Bobtail packer, Bowen safety joint. Choke size bottom 5/8" , surface 1" max. Amount of fluid cushion none. Amount of tail pipe 120'. Mud wt. 8.5, Vis. no control, Wtr. loss no control. Started in hole 2:50 AM New Mex tim. , Tool on Bottom @ 5:22 AM NM Time., open for free flow. 5:24 AM for 5 Min., closed 5:29 AM N.M. time. ISI 45 min / 599#, Tool open 120 min., FSI 45 min With 61# , IF 73 # , FF 73#, IH 2176#, FH 2176# , Temp. 111 dgr. , started out of hole at 9: AM NM time. Behaviour of test was very weak blow for 5 min., Fluid recovery - 2' of drlg. fluid, 220cc very slightly oil cut water in Sample Chamber. Drilling fluid chloride 9100 PPM, Sample Chloride 9000 PPM.

DST #2 Interval 4960'-5202' Taken Dec. 29, 1971

Hole csg. size 7 7/8" , Drill pipe 4 1/2", Drill collar size 6 1/2" , choke size 5/8", surface 1" max. , Amount of tail pipe 242', 2 Johnston Bobtail packers, Johnston jars, Bowen safety joints. Mud Wt. 8.4 , Vis. no control, Tool on Bottom 12:PM NM Time, 3 min. preflow. ISI 45 min / 1984#, Tool open 120 min., FSI 90 min./ 1817#, Temp. 112°, IF 124#, FF 419#, IH 2278#, FH 2278#. Behavior of test - fair blow throughout test. Fluid recovery -680', 300' of that was gas cut slightly oil. Drilling fluid from pit at 7000 PPM chloride, Top of DST 75000 PPM chloride. Resistivity .78 at 62 dgr.. Sample Chamber 2500cc checked 8300 PPM chloride , Resistivity .67. @ 61 dgr. Perforation of Test Tools. (1). 1/4" & 3/8" holes 4961-4968- , 8 holes per foot. (2). 1/4" & 3/8" holes- 5174-5195, 21 feet of 8 holes per foot.

DST #3 Interval 5390'-5521' Taken December 30, 1971

Hole casg. size 7 7/8" , Drlg. pipe size 4 1/2" , Drill collar size 6 1/2" . Johnston tool, Johnston Bobtail 6 3/4" packer, Bowen Safety joint. Choke size bottom 5/8", surface 1" max. Amount of fluid cushion was none. Tail pipe 131', Mud wt. 8.4, Vis. no control, Wtr. loss no control, Filter cake no control. ISI 45 min. / 2145#, Tool open 120 min., FSI 45 min./ 1816#, IF 86#, FF 301#, IH 2397#, FH 2397#, Temp. 111 dgr. Behavior of test was a weak blow throughout. Fluid recovery -555' drlg. fluid. Fluid Chamber: 2500cc slight sulphur water., Pit fluid resistivity .60 at 58 dgr. 10,000 PPM Chloride. Top fluid resistivity .76 at 51 dgr. 10,000 PPM Chloride. Sample Chamber resistivity .35 at 56 dgr. 13,000 PPM Chloride. Perforation of Test tools: (1). 1/4" & 3/8" holes 5393-5397 , 4 ft of 8 holes per foot. (2). 1/4" & 3/8" holes, 5484-5515, 31 ft of 8 holes per foot.