

Attachment C-105
Drill Stem Tests - Gulf's Rena Shugart No. 1
Unit C, Section 1-20S-25E, Eddy County, New Mexico

DST No. 1, 7878-7903' Cisco. Took 15 minutes preflow with good bubble blow throughout. Closed tool for 60 minutes ISIP. Opened tool with good bubble blow, decreasing to weak blow during 90 minute preflow. Closed tool for 90 minutes FSIP. Recovered 130' drilling mud. IHP 3815#. 1st flow IFP 43#, FFP 43#. 60 min ISIP 1570#. 2nd flow IFP 43#, FFP 85#. 90 minute FSIP 2139#. FHP 3772#. BHT 84° @ 7900'.

DST No. 2, 8538-8644' Strawn. Opened tool for 10 minute preflow with weak blow increasing to fair blow. Took 60 minute ISIP. Opened tool for 60 minute flow. Opened with fair blow & remained throughout. Took 60 minute FSIP. Recovered 272' drilling mud and 1589' salty water with trace of gas at top of water, no show of oil. IHP 4199#. 1st flow IFP 369#, FFP 415#. 60 minute ISIP 3309#. 2nd flow IFP 415#, FFP 739#. 60 minute FSIP 3264#. FHP 4154#. BHT 160°.

DST No. 3, 9565-9631' Morrow. Opened tool with very weak blow which remained throughout 15 minute preflow. Closed tool & took 60 minute ISIP. Tool opened for 90 minute preflow. Opened with good blow and decreased to fair. Gas to surface 63 minutes, too small to measure. Took 180 minute FSIP. Recovered 210' drilling mud with no show. IHP 4256#. 15 min 1st flow IFP 187#, FFP 211#. 62 minute ISIP 1122#. 90 minute 2nd flow IFP 94#, FFP 140#. 180 minute FSIP 2963#. FHP 4756#. BHT 154°

DST No. 4, 9672-9756' Morrow. Tool opened for 15 minute preflow with very weak blow throughout. Took 60 min ISIP. Opened tool 45 minutes. Bypassed after 15 minutes. Took 60 minute FSIP. Rec 480' drilling mud. IHP 4739#. 15 min 1st flow, unable to read. Tool Plugging. 60 min ISIP 3489#. 45 min 2nd flow IFP 237#, FFP 237#. 60 min FSIP 2546#. FHP 4762#. BHT 162°

DST No. 5, 2830-2910'. Took 15 min preflow with fair blow throughout. SI for 60 minute ISIP. Opened tool for 60 minutes. Opened with fair blow & decreased to weak. Took 120 minute FSIP. Recovered 335' drilling mud. IHP 1349#. 15 min 1st flow IFP 177#, FFP 188#. 60 minute ISIP 836#. 2nd flow IFP 198#, FFP 209#. 120 minute FSIP 773#. FHP 1370#.