

**RAILROAD COMMISSION OF TEXAS
OFFICE OF GENERAL COUNSEL**

**OIL AND GAS DOCKET
NO. 01-0253019**

**FOR THE COTTON VALLEY SAND,
BOSSIER AND COTTON VALLEY LIME
FORMATIONS, VARIOUS (48)
COUNTIES, TEXAS**

**FINAL ORDER
APPROVING THE APPLICATION OF ENCANA OIL & GAS (USA)
TO EXPAND THE TIGHT GAS INTERVAL
PREVIOUSLY APPROVED IN DOCKET NO. 20-75,144 FOR THE
COTTON VALLEY SAND, BOSSIER AND COTTON VALLEY LIME FORMATIONS
VARIOUS COUNTIES IN DISTRICTS 1, 3, 5 AND 6, TEXAS**

The Commission finds that after statutory notice in the above-number docket heard on September 26, 2007, the presiding examiner has made and filed a report and recommendation containing findings of fact and conclusions of law, for which service was not required; that the proposed application is in compliance with all statutory requirements; and that this proceeding was duly submitted to the Railroad Commission of Texas at conference held in its offices in Austin, Texas.

The Commission, after review and due consideration of the examiner's report and recommendation, the findings of fact and conclusions of law contained therein, hereby adopts as its own the findings of fact and conclusions of law contained therein, and incorporates said findings of fact and conclusions of law as if fully set out and separately stated herein.

Therefore, it is ordered by the Railroad Commission of Texas that the tight formation interval for the Cotton Valley Sand, Bossier and Cotton Valley Lime Formations as adopted in Oil and Gas Docket No. 20-75,144, effective July 7, 1980 is amended as here after set out:

The tight gas interval consists of the Cotton Valley Group, which includes the Cotton Valley Sandstone, the Bossier, and the Cotton Valley Lime. The Cotton Valley Sandstone lies above the Bossier with the Cotton Valley Lime immediately below the Bossier. The average depth to the top of the Cotton Valley Sandstone is approximately 7,000' to the north, 8,000' to the east, between 10,000' and 11,000' to the south, and 5,000' to the west. The Cotton Valley Sandstone reaches a maximum thickness of 1,600'. The top of the Bossier is located at depths of approximately 7,700' to the north, 10,720' to the east, 12,600' to the south and 5,340' to the west. The Bossier ranges from 110' to over 4,000' in thickness. The top of the Cotton Valley

Lime can be found at depths of approximately 8,000' to the north, 11,400' to the east, 13,200' to the south, and 5,500' to the west. The base of the Cotton Valley Lime can be found at depths of approximately 12,000' to the north, and below 18,000' to the south. The top of the tight gas interval is the top of the Cotton Valley Sandstone, and the base of the tight gas interval is the base of the Cotton Valley Lime.

Done this 28th day of January, 2008.

RAILROAD COMMISSION OF TEXAS

**(Order approved and signatures affixed
by OGC Unprotested Master Order
dated January 28, 2008)**