

OPERATORS NAME:	<u>Burlington Resources Oil & Gas Company</u>
LEASE NAME AND WELL NO.:	<u>Merphan "16" State #1</u>
LOCATION:	<u>UL-E, 1800' FNL & 810' FWL, Sec. 16, T26S, R31E</u>
FIELD NAME:	<u>Phantom Draw Wolfcamp Gas</u>
COUNTY:	<u>Eddy County, New Mexico</u>
LEASE NUMBER:	<u>V04509</u>

Name and estimated tops of important geologic formation/marker horizons.

<u>FORMATION</u>	<u>DEPTH</u>	
Rustler	Surface	SS, Dol, Anhy
Salado	1200'	Salt & Anhy
Castille	3,800'	Anhy & Salt
Delaware	4,100'	SS, Shale, LS
Bone Springs	8,050'	SS, Shale, LS
Wolfcamp	11,300'	Shale, LS
*Wolfcamp "A"	12,630'	Limestone
Wolfcamp "A"	12,710'	Shale

*Target Zone

Blowout Preventer Equipment to be used. See attached sketches

Surface Csg

Install 13-3/8" SOW x 13-5/8" 3M psi WP casing head with 36" base plat.
Nipple up 13-5/8" 1500 psi WP annular preventer w/rotating head.
Test the 13-3/8" casing to 500 psi using rig pump and hold for 30 minutes.

Intermediate Csg

Install 13-5/8" 3M psi WP x 11" 5M psi WP casing spool. Nipple up 11" 5M x 13-5/8" 5M DSA. NU 13-5/8" 5M psi WP BOP's including annular w/rotating head. (API RP53 Fig 2.C.5 SRRAG). Test ram BOP's and choke manifold to 250 psi and 3,000 psi, test annular BOP to 250 psi and 1,500 psi utilizing a test plug and an independent tester..