

Supplemental Drilling Data

H.L. Brown, Jr.
Federal 27 Com No. 3
1200 ft. FNL & 1000 ft. FWL
Sec 27, T-7-S, R-37-E
Roosevelt County, NM

NM 12852 and NM 54449
NMNM 91048 Com Agreement

The following items supplement Form 3160-3 in accordance with instructions contained in onshore Oil and Gas Order No.1:

Overview of Well:

The subject well is proposed to be drilled as a horizontal well in the Wolfcamp formation. The well will be drilled vertically to a depth of 7700 ft. At the depth of 7700 ft. the borehole will be kicked off and deviated in a southeasterly direction and will attain a 90° deviation at a true vertical depth (TVD) of 7985 ft. The Wolfcamp will be encountered at a depth of 7940 ft. TVD. A 5 ½" casing string will be set and cemented at a depth of 7985 ft TVD, 8100 ft. measured depth. A 1484 ft. horizontal lateral will then be drilled to a total measured depth of 9584 ft. A 3 ½' slotted liner will be run from 7700 ft. MD to 9584 ft. MD.

1.) Surface Formation: Ogallala

2.) Estimated Top of Geologic Markers:

Yates	2550 ft.
San Andres	3790 ft.
ABO	6980 ft.
Wolfcamp	7940 ft. TVD

3.) Estimated Depths Water, Oil, Gas or Other Mineral Bearing Formations:

Water	None Anticipated
Oil	None Anticipated
Gas	Wolfcamp at 7985 ft. TVD
Other Minerals	None Anticipated