



## Oil & Gas Administrative Services

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### SUPPLEMENTAL DRILLING DATA

Liberty Oil & Gas Corp.  
Lee Federal No. 4  
2100' FSL & 660' FWL  
Sec. 25, T20S, R28E  
Eddy County, N.M.

NM-17103

1. Surface Formation: Alluvium.
2. Estimated Geological Marker Tops:

Yates	1158'	Delaware	3045'
El Capitan	1426'	Bone Spring	5427'
3. Mineral Bearing Formations: Delaware-oil, Bone Spring-oil.
4. Proposed Casing and Cement Program:
  - 13 3/8" - In a 17 1/2" hole, set approximately <sup>400'</sup>~~600'~~, 13 3/8", 48#, J-55, ST&C casing and cement with 640 sx cement to surface.
  - 9 5/8" - In a 12 1/4" hole, set approximately 2900', 9 5/8", 36#, K-55, ST&C casing and cement with 1125 sx cement to surface.
  - 5 1/2" - In a 7 7/8" hole, set to total depth, 5 1/2", 17#, K-55, ST&C casing and cement to cover all pay zones.
5. Pressure Control Equipment: A <sup>3000</sup>~~2000~~ psi working pressure BOP will be installed after 9 5/8" casing is set and cemented.
6. Testing, Logging, and Coring Programs:
  - Testing: None
  - Logging: CNL & DLL
  - Coring : None
7. Auxiliary Equipment: A kelly cock will be installed on the rig floor while drilling operations are commenced.