

Attached to For 160-3
Mack Energy Corporation
Schley Federal #12
2215 FSL & 990 FWL
NW/4 SW/4, Sec 29 T17S R29E
Eddy County, NM

DRILLING PROGRAM

1. Geologic Name of Surface Formation

Quaternary

2. Estimated Tops of Important Geologic Markers:

Quaternary	Surface
Top of Salt	340'
Base of Salt	850'
Yates	900'
Seven RVRS	1050'
Queen	1750'
San Andres	2500'
Glorietta	3980'

3. Estimated Depths of Anticipated Fresh Water, Oil and Gas:

Water Sand	150'	Fresh Water
Grayburg	1750'	Oil/Gas
San Andres	2500'	Oil/Gas
Paddock	3970'	Oil/Gas

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Setting 13 3/8" casing to 325' and circulating cement back to surface will protect the surface fresh water sand. Salt Section will be protected by setting 8 5/8" casing to 850' and circulating cement back to surface. Any shallower zones above TD, which contain commercial quantities of oil and/or gas, will have cement circulated across them by cementing 5 1/2" production casing, which will be run at TD.

4. Casing Program:

Hole Size	Interval	OD Casing	Weight, Grade, Jt, Cond., Type
17 1/2"	0-325'	13 3/8"	48#, K-55, ST&C, New, R-3
12 1/4"	0-850'	8 5/8"	24#, K-55, ST&C, New, R-3
7 7/8"	0-TD	5 1/2"	17#, J-55, LT&C, New, R-3