

Attached to Form 50-3
Mack Energy Corporation
Elk 21 Federal #2
660 FNL & 660 FWL
NW/4 NW/4, Sec 21 T16S R28E
Eddy County, NM

DRILLING PROGRAM

1. Geologic Name of Surface Formation

Quaternary

2. Estimated Tops of Important Geologic Markers:

Quaternary	Surface	Wolfcamp	6750'
San Andres	1780'	Atoka	9000'
Glorieta	3250'	Morrow	9160'
Tubb	4430'	Mississippian	9550'
Abo	5290'		

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

Water Sand	150'	Fresh Water	Wolfcamp	6750'	Oil/Gas
San Andres	1780'	Oil/Gas	Atoka	9000'	Gas
Paddock	3300'	Oil/Gas	Morrow	9160'	Gas
Tubb	4430'	Oil/Gas			
Abo	5290'	Oil/Gas			

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Setting 13 3/8" casing to 500' 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 1800' 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"	0-500'	13 3/8"	48#, H-40, ST&C, New, R-3
12 1/4"	0-1800'	8 5/8"	32#, J-55, ST&C, New, R-3
7 7/8"	0-TD	5 1/2"	17#, L-80, LT&C, New, R-3