

DRILLING PROGRAM

Attached to Form 3160-3
Patterson Petroleum, Inc.
Newkumet Federal #1
2310' FNL & 720' FEL
Unit H, Sec. 10, T23S, R34E
Lea Co., N.M.

1. Geologic Name of Surface Formation:

Permian

2. Estimated Tops of Important Geologic Markers:

Permian	Surface
Yates	2900'
Delaware	4950'
Total Depth	8,000'

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

Upper Permian Sands	100'	fresh water
Delaware	6940'	oil

No other formations are expected to give up oil, gas or fresh water in measurable quantities.
The surface fresh water sands will be protected by setting 13-3/8" csg at 650' and circulating cement back to surface.

4. Casing Program:

<u>Hole Size:</u>	<u>Interval</u>	<u>OD csg</u>	<u>Weight, Grade, Jt, Cond, Type</u>
25"	0-40'	20"	conductor
17-1/2"	0-650'	13-3/8"	48#, H-40, ST&C, Used, R-3
12-1/4"	0-2400'	9-5/8"	40#, K-55, LT&C, Used, R-3
8-3/4"	0-4950'	7"	23#, K-55, LT&C, Used, R-3
6-1/4"	0-8000'	4-1/2"	11.60#, J-55, LT&C, Used, R-3

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