

DRILLING PROGRAM

EOG RESOURCES, INC.
PHANTOM DRAW FEDERAL UNIT NO. 3
1,980' FSL & 1,980' FEL
SEC. 20, T26S, R31E
EDDY COUNTY, NM

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Delaware	3330'
Cherry Canyon	4350'
Bone Spring	7200'
2 nd Bone Spring Sd	8800'
3 rd Bone Spring Sd	10000'
Wolfcamp	10420'
Wolfcamp Pay	11740'
Penn Marker	12800'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	100'	Fresh Water
Upper Penn		Gas

4. CASING PROGRAM

Hole Size	Interval	OD Casing	Weight Grade Jt. Cond. Type
14 3/4"	0- 400 1250'	11 3/4"	42# H-40 ST&C
11"	0-4000'	8 5/8"	32# J-55 LT&C
7 7/8"	0-11950'	5 1/2"	17# S95/P110 L&TC
4 3/4"	0-13000'	2 7/8"	6.5# N80

Cementing Program:

11 3/4" Surface Casing:	Cement to surface with 220 sx Prem Plus, 3% Econolite, 2% Calcium Chloride, 0.25#/sx Flocele, 150 sx Prem Plus, 2% Calcium Chloride
8 5/8" Intermediate:	Cement to surface with 715 sx Interfill C, .25#/sx flocele, 250 sx Premium Plus, 2% Calcium Chloride
5 1/2" Production Casing:	Cement w/775 sx Premium, 3% Econolite, 5#/sx Salt, .25#/sx Flocele, 250 sx Prem 50/50 Poz mix 'A', 2% Halliburton-Gel First 2%, 0.5% Halad-322, 0.2% HR-5. This is designed to bring TOC to 3500'.
2 7/8" Casing:	100 sx Prem, 0.3% Halad-344, 0.3% Halad-413, 0.3% Super CBL, .15% SCR-100 This designed to bring TOC to 11500 +/-.