

CLAYTON WILLIAMS ENERGY, INC.
DRILLING PROGRAM

Attached to BLM form 3160-3

Lease Name: Phillips -19-Federal

Well No.: 13

Location: 2312' FNL & 1789' FEL, UL F
Sec. 19, T-17-S, R-29-E
Eddy Co., NM

1. Geological name of surface location: Triassic
2. Estimated tops of important geological markers:

<u>Name</u>	<u>Depth</u>
Yates	825'
Seven Rivers	1090'
Queen	1666'
Grayburg	2045'
San Andres	2353'
Glorieta	3794'

3. Estimated name of anticipated fresh water, oil, and gas:

<u>Formation</u>	<u>Depth</u>	<u>Fresh Water/Oil/Gas</u>
Seven Rivers	1090'	Oil
Queen	1666'	Oil
Grayburg	2045'	Oil
San Andres	2353'	Oil
Glorieta	3794'	Oil

4. CASING PROGRAM

<u>Hole Size</u>	<u>Interval</u>	<u>OD Csg</u>	<u>Weight, Grade, Type.</u>
11"	385'	8-5/8	24#, J-55, ST&C
7-7/8"	300'	5-1/2"	17#, J-55, LT&C
	5000'		

WITNESS

CEMENT PROGRAM

Conductor Casing: N/A

8-5/8" Surface Casing:

300 SX CI "C" + 2% CaCl₂ + 1/4#/sx Flocele

5-1/2" Production Casing:

Stage tool @ +/- 2600'

1st Stage: 400 sx. 35:65 Poz:C + 6% gel + 2% CaCl₂ + 1/4 pps Cello-flake
150 sx. Class "C" Neat

2nd Stage: Lead: 800 sx 61:15:11 Lite + 1 pps salt + 4 pps Kolite + 0.2% D-65 + 0.3# D-167 + 0.2% D-46
+ 0.25% D-13