

Anadarko
PRODUCTION COMPANY

A
Panhandle
Eastern
Company

P. O. Box 67 • Loco Hills, New Mexico 88255 • (505) 677-2411

January 30, 1981

United States Geological Survey
P. O. Drawer U
Artesia, New Mexico 88210

Gentlemen:

This "Data Sheet" is provided in reference to the attached "Application for Permit to Drill" regarding our Federal Hanson Com #1.

1. Location - 1910' FSL & 2250' FEL Sec. 20, T19S, R31E, Eddy County, N.M.
2. Elevation - 3452.0' G L.
3. Geological Name of Surface Formation - Quaternary alluvium
4. Type of Drilling Tools to be Utilized - Rotary
5. Proposed Drilling Depth - 12,500'
6. Tops of Important Geological Markers-

Yates - - - - -	2140'	Wolfcamp - - - - -	9570'
Queen - - - - -	3280'	Strawn - - - - -	10650'
Cherry Canyon - - -	4720'	Atoka - - - - -	10900'
Bone Springs - - -	6790'	Morrow Clastics	11720'
3rd. Bone Springs -	9170'		

7. Estimated Depths of Anticipated Water, Oil or Gas -

6790 - - - - -	Bone Springs	- - - - -	Oil
10650 - - - - -	Strawn	- - - - -	Gas
11720 - - - - -	Morrow Clastics	- - - - -	Gas

8. Casing Program -

13-3/8", 48#, H-40 @ 650' (New)
8-5/8", 24#, K-55 ST&C from surface to 2600' (New)
8-5/8", 24#, S-80 ST&C from 2600' to 4100' (New)
8-5/8", 28#, S-80 ST&C from 4100' to 4500' (New)
4-1/2", 11.6#, N-80 Buttruss from surface to 1800' (New)
4-1/2", 11.6#, N-80 LT&C from 1800' to 11,000' (New)
4-1/2", 11.6#, S-95 LT&C from 11,000' to 12,500' (New)
Note: May substitute 13.5#, N-80 LT&C for S-95

9. Setting Depth of Casing Strings & Amount and Type of Cement -

<u>Size</u>	<u>Depth</u>	<u>Amount & Type Cement</u>
13-3/8"	650'	400 sx Class H w/2% CaCL
8-5/8"	4500'	1200 sx Class C w/.3 of 1% CFR-2, 5# Salt/sx & 10# sand/sx
4-1/2"	12500'	400 sx Halliburton Lite & 500 sx Class H w/1 of 1% CFR-2 & 5# KCL/sx

Additional cementing through DV tools might be necessary on 4 1/2" csg.