

Sinclair Oil & Gas Company

Schlosser-Federal #6

1110' FNL, 1010' FEL Sec. 3-27N-11W

SAN JUAN County, New Mexico

Elev: 6005 grd.

Spud: 10/27/64

Completed: 11/11/64

IP: 5594 McFG/D,  $\frac{3}{4}$ " choke.

Csg:  $8\frac{5}{8}$ " @ 355' w/ 250 SX

$4\frac{1}{2}$ " @ 6519' w/ 400 SX (1<sup>st</sup> stage), 1000 SX (2<sup>nd</sup> stage)

$2\frac{3}{8}$ " @ 6324' w/ Baker tbg sub.

Log Tops:

|                 |              |
|-----------------|--------------|
| Pictured Cliffs | 1860 (+4145) |
| Lewis Shale     | 2047 (+3958) |
| Mesaverde       | 3387 (+2618) |
| Mancos          | 4553 (+1452) |
| Gallup          | 5427 (+578)  |
| Tocito Sand     | 5835 (+170)  |
| SANASTEE        | 5880 (+125)  |
| Greenhorn       | 6232 (-227)  |
| Graneros Sh.    | 6290 (-285)  |
| Graneros Sd.    | 6324 (-319)  |
| DAKOTA          | 6400 (-395)  |

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G. O. D.

Lithology:

Page 2

|                     |                |                                                                                                                                                                                                                          |
|---------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kirtland-Fruitland  | Surface - 1860 | Interbedded variegated shales and sandstones, some coal.                                                                                                                                                                 |
| Pictured Cliffs     | 1860 - 2047    | Sandstone, gray to grayish-white, salt and pepper, fine to medium grain, well sorted, angular to subrounded becomes shaly toward base.                                                                                   |
| Lewis Shale         | 2047 - 2775    | Shale, dark gray, soft.                                                                                                                                                                                                  |
|                     | 2775 - 2825    | Sandstone, gray, fine grained.                                                                                                                                                                                           |
|                     | 2825 - 3387    | Some thin dark gray shale beds<br>Shale, dark gray, soft.<br>Sandy in part.                                                                                                                                              |
| Mesaverde formation | 3387 - 4553    | Interbedded sandstones and shales with coal beds.<br>Sandstones, light to medium gray, very fine grained, well cemented, laminated with light to dark gray carbonaceous shales. Shales, light to dark gray carbonaceous. |
| Mancos Shale        | 4553 - 5427    | Shale, light to dark gray, calcareous, some sandstone and limestone stringers.                                                                                                                                           |

Gallup formation 5427-5810

Sandstone and siltstone.

Sandstone, gray, dirty, poorly sorted, trashy, fine grain to coarse. Some black carbonaceous shale, fissile in part.

Tocito Sand 5810-5835  
5835-5848

Shale, light to dark gray.

Sandstone, light gray, fine to coarse grain, friable, subangular to subround, some clay fill, looks dirty.

Sanastee 5848-5880  
5880-5904

Shale, light to dark gray, silty

Sandstone, gray-brown, calcareous, fossiliferous

5904-6232

Shale, gray, calcareous, fossiliferous in part.

Greenhorn 6232-6290

Interbedded gray, shaly limestone and gray, limy shales.

Graneros 6292-6324  
6324-6400

Shale, dark gray, micaceous.

Sandstone, gray, very fine grain, silty in part.

DAKOTA 6400-6520(TD)

Sandstone, white to light gray, fine to medium grain, silty, carbonaceous in part. Some siltstone, brownish, calcareous. Some shale, dark gray, coaly.