

Sinclair Oil & Gas Company

Schlusser - Federal #4

1070' FNL, 1130' FEL Section 34-28N-11W

San Juan County, New Mexico

Elevation: 5665' s.d.

Spud: 10/3/64

Completed: 10/10/64

IP: 4450 MCFGPD $2\frac{1}{4}$ " choke SITP (24 hrs) 1900 $\frac{1}{2}$ "

CSG: $8\frac{5}{8}$ " @ 356' w/240 SX

$4\frac{1}{2}$ " @ 6215' w/400 SX (1st stage), 1000 SX (2nd stage)

$2\frac{3}{8}$ " @ 6030'

Total Depth: 6220, PBTD 6161

<u>Log Tops:</u>	Pictured Cliffs	1550	+4115
	Lewis Shale	1738	+3927
	Mesaverde	3087	+2578
	Mancos	4229	+1436
	Gallup	5136	+529
	Tocito Sand	5539	+126
	Sanas tee	5576	+89
	Greenhorn	5931	-266
	Graneros	5989	-324
	Graneros Sand	6029	-364
	Dakota	6107	-442
	Total Depth	6220	-555

Lithology

Kirtland-Fruitland

Surface - 1550

Interbedded variegated shales and sandstones, some coal

Pictured Cliffs

1550-1736

Sandstone, gray to grayish-white, salt and pepper, fine to medium grain, well sorted, angular to subrounded becomes shaly towards base as its grades into Lewis shale.

Lewis Shale

1738-3087

Shale, dark gray, soft, sandy in part

Menards

3087-4229

Interbedded sandstones and shales with coal beds. Gradational from shale to sand at top and from sand to shale at base. 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

4229-5136

Shale, light to dark gray, calcareous, some sandstone and limestone stringers.

Gallop

5136-5539

Sandstone, siltstone, and shale.

Sandstone, light gray to brown, dirty, poorly sorted, very fine to medium, shaly. Siltstone, gray to brown.

Tocito.

5539-5553

sandy in part. Shale, dark gray, carbonaceous. Some beds below it light brown to brown *inoceramus coquina*.

Sandstone, light gray, fine to coarse grain, friable, subangular to subround, some clay. Silty.

5553-5576

Shale, dark gray, fissile, silty in part.

Smoot

5576-5600

Sandstone, gray-brown, calcareous, fossiliferous, silty in part.

5600-5931

Shale, dark gray, blocky, calcareous. Silty in part.

Micaceous in part.

Greenhorn

5931-5989

Interbedded shale and limestone.

Limestone, gray-brown, shaly, *inoceramus coquina*. Shale, very dark gray, blocky, calcareous.

Graneros

5989-6029

Shale, very dark gray, blocky, micaceous.

6029-6107

Sandstone, gray, very fine grained, silty in part, carbonaceous.

DAKOTA

6107-6220

Sandstone, white to gray, fine to medium grain, silty in part, carbonaceous in part. Some siltstone, gray to brown, carbonaceous, sandy in part. Some sandstone, gray to brown, carbonaceous.