

Durango Well Logging

1932 Eastlawn Avenue
Durango, Colorado 81301
Phone 303-247-1518

DOME PETROLEUM CORPORATION

FEDERAL 15 No. 2

SW NW SEC 15, T19N R5W

McKinley County, New Mexico

Dick
R.W. HARNLY

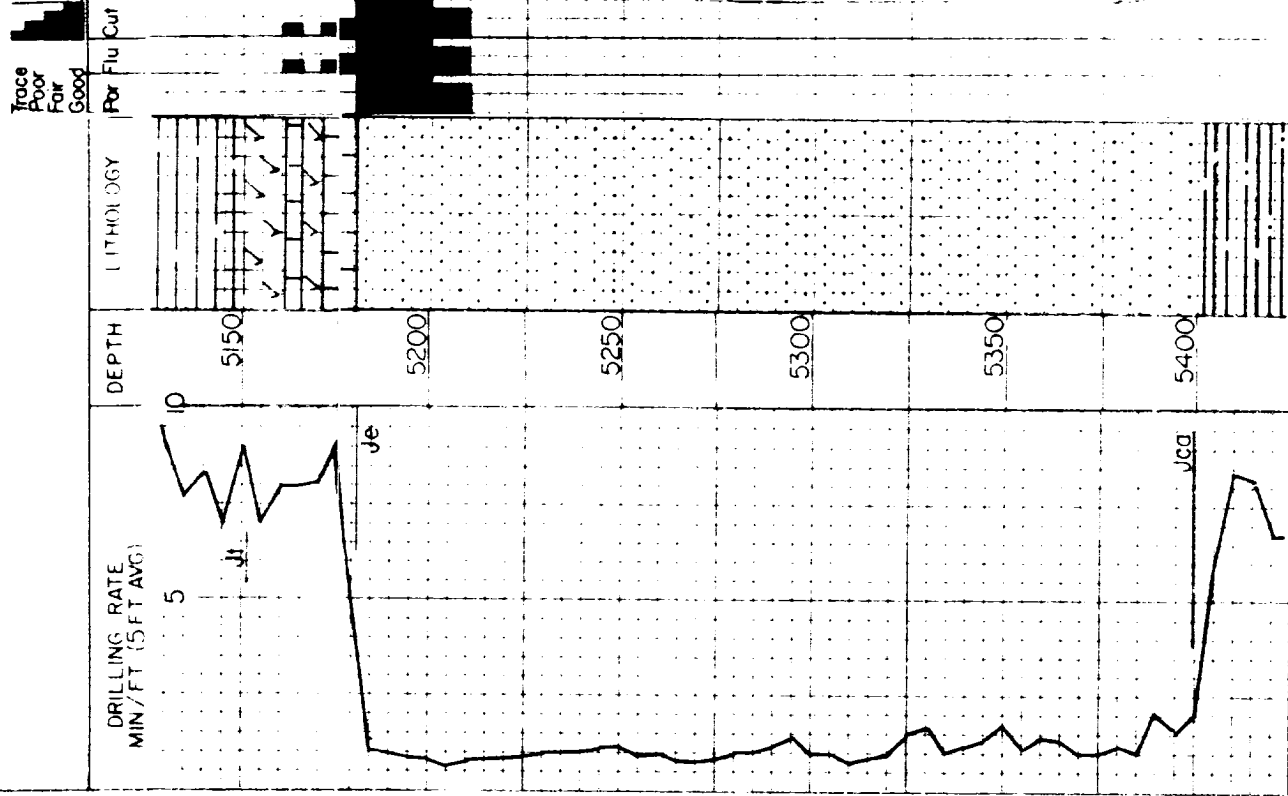


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Company DOME PETROLEUM CORPORATION
Well 2 FEDERAL 15
Field / Area DISCOVERY OFFSET
Location SW NW 15-T19N-REW; 1980 FNL 990 FWL
County & State MCKINLEY COUNTY, NEW MEXICO
Elevation 6604 GL, 6617 KB
Depth Logged 5125-5422
Date Logged 2-24-77 / 2-27-77
Geologist DICK HARNLY



5148-60, Anhydrite, white, very fine granular, soft, with a trace of Limestone, dark brown, soft, earthy, very thin stringers.

5160-70, Anhydrite as above (50%) and Limestone, dark brown, cryptocrystalline, appears brecciated, oil rich, trace of oolite, trace of dull gold fluorescence, very slow poor milky cut, scattered blebs of white very fine granular Anhydrite.

5170-81, Limestone, dark brown, cryptocrystalline, soft, earthy, fluorescence and cut fluorescence as above; minor Anhydrite, as above.

5181-89, Sandstone, fine grained, white, subrounded, frosted, very good porosity and permeability, dark brown interstitial mobile oil, good bright yellow fluorescence and good bright yellow white cut fluorescence. Trace of pyrobitumen with oil saturation at 5190.

5190-5200, Sandstone, fine grained to nearly medium grained, white, oil saturated, very good porosity and permeability the best oil concentration occurs in association with pyrobitumens.

5200-10, Sandstone, oil laden (1/3); Sandstone, with pyrobitumen and oil (1/3); Sandstone, fine grained, white, subrounded, frosted, white clay fill, calcareous, poor porosity and permeability.

5210-50, Sandstone, fine grained, white, frosted, white clay fill, trace of pale green and light gray grains, no visible porosity and permeability. No shows.

5250-70, Sandstone, fine grained, cream, subrounded, frosted, white to cream clay filled. No visible porosity or permeability.

5270-5330, Sandstone, fine grained, cream, subrounded, frosted, clay filled, trace of orange grains, no visible porosity or permeability. No shows.

5330-50, Sandstone, fine grained, cream to tan, subrounded, frosted, clay filled, no visible porosity or permeability. No shows.

5350-5401, Sandstone, fine to occasionally medium grained, cream, tan, light orange, clay filled, no visible porosity or permeability. No shows.

5401-22, Shale, orange brown, sandy, Siltstone, red orange, argillaceous, calcareous.

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Formation Tops (from "E" logs)

Formation	Depth	Datum
La Ventana	508	+6109
Lower Menefee	1150	+5467
Point Lookout	2006	+4611
Marcos	2128	+4420
Gallup	2942	+3675
Sanostee	3610	+2998
Greenhorn	3932	+2685
Graneros	4011	+2606
Dakota	4142	+2475
Morrison	4262	+2355
Summerville	5110	+1498
Todilto	5151	+1466
Entrada	5181	+1436
Carmel	5380	+1237
Total Depth (Drilled)	5422	+1125
Total Depth (Logged)	5428	+1139

