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Operator #5

ROY ROMER
Governor



JERIS A. DANIELSON
State Engineer

OFFICE OF THE STATE ENGINEER
DIVISION OF WATER RESOURCES

1313 Sherman Street-Room 818
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March 14, 1989

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OIL & GAS CONS. COM.

Mr. William R. Smith
Director
Oil & Gas Conservation Commission
1580 Logan Street, Suite 380
Denver, CO 80203

Dear Bill:

This is to confirm our telephone conversation of 3/1/89 relating to your letter of 2/13/89.

In the referenced letter, you requested information regarding the possibility of water wells penetrating coal-bearing beds in the general vicinity of the southern part of Township 33 North, Ranges 9 and 10 West, NMPM, and essentially the same ranges to the south in Township 32N.

A total of 27 water well logs, ranging in depths from 100-327 feet, were examined. No coal beds were reported in any of the well logs examined. All of the well logs indicated the water wells were completed in the non-coalbearing, Tertiary-Cretaceous age beds of the undifferentiated Animas-Nacimiento type formations with a combined thickness in excess of 1600 feet. These beds are underlain by approximately 1200 feet of the non-coalbearing Cretaceous Kirtland Formation which is underlain by the coal-bearing Cretaceous Fruitland Formation.

The nearest outcrop of the Fruitland Formation is to the west in the extreme western part of Townships 32-33 North, Range 11 West, NMPM, in the vicinity of Soda Springs Gulch. These beds generally strike SW-NE and dip rather steeply to the southeast.

The well permit numbers for the water well logs examined are:

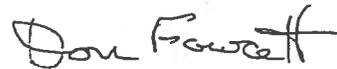
3990	40822	87656
5791	42854	100663
7492	44612	100710
8894	76999	102483
20820	77964	18652
28042	80068	116790
30305	81571	122950
30643	82590	126432
33593	83804	134956

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The geology of the area was obtained from the U.S.G.S. Preliminary Oil and Gas Maps OM-138, 1953; Geology and Fuel Resources of the Ignacio Area, and OM-149, 1954; Geology of the Red Mesa Area.

Sincerely yours,



Donald W. Fawcett
Supervising Geologist
Ground Water Section

DF:mds

cc: Jeris Danielson
Steve Lautenschlager

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