

# Northern Minerals, Inc.

TELEPHONE (505) 983-9689

LLOYD DAVIDSON  
President

P. O. Box 2182  
SANTA FE, NEW MEXICO 87501

February 5, 1975

Re: Order No. R-4875  
Northern Minerals, Inc.,  
Gallup Waterflood Project

Secretary-Director  
Oil Conservation Commission  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Dear Sir:

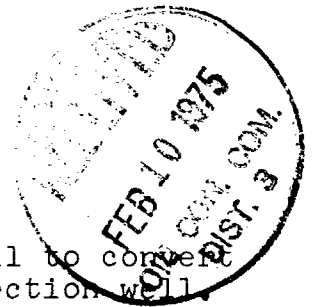
Northern Minerals, Inc., requests immediate approval to convert its SFPRR No. 15 well from an oil well to a water injection well. The location of this well is 2405' FNL and 2805' FEL, section 29, T16N-R6W, McKinley County, New Mexico.

The No. 15 well got down to producing only about 1 barrel oil per day. It is the lowest well Northern Minerals has drilled in the field. Mark Weidler, our geologist, believes that this well, because it is lower, will make a good injection well and will stimulate the updip wells. In a separate request, being filed coincident with this letter, Northern Minerals seeks approval to convert its No. 8 well from a water injection well to a producing oil well. It is believed that water injection into the lower No. 15 well will make No. 8 (which is 8' higher structurally than No. 15) a good producer.

Although Northern Minerals has authority to inject water through casing, it plans to run tubing into No. 15, set a packer and inject through tubing to see if this procedure will make for any difference in effectiveness of its injection wells..

Attached you will find plat showing the location of No. 15 and all wells in the project area. There are no offset operators, or wells. Northern Minerals has lease on all of section 29. The locations of the present wells by metes and bounds are as follows:

No. 6-Y. Water Injection Well.. 2013' FNL and 2003' FEL, section 29.  
No. 7. Producing oil Well, 1650' FEL and 2310' FNL, section 29.  
No. 8. Water Injection Well at present. Authority is being requested to convert this well to a producing oil well. This well is located



2310' FNL and 2310' FEL, section 29.

No. 11. Producing Oil Well, 1650' FNL and 1650' FEL, section 29.

No. 15. Authority is herein requested to convert this oil well to a water injection well. Located 2405' FNL and 2805' FEL, section 29.

No. 17. Temporarily abandoned. This well did not have enough oil saturation in the sand to make an oil well. Operators expect to make a water injection well here. Authority will be requested to do this at a later time. Located 2930' FNL and 1650' FEL, section 29.

Water Supply Well. 1905' FNL and 2,086' FEL, section 29.

Also attached is a schematic drawing of the proposed completion of No. 15 well as a water injection well showing casing, tubing, packer and depth. Injection will be through open hole.

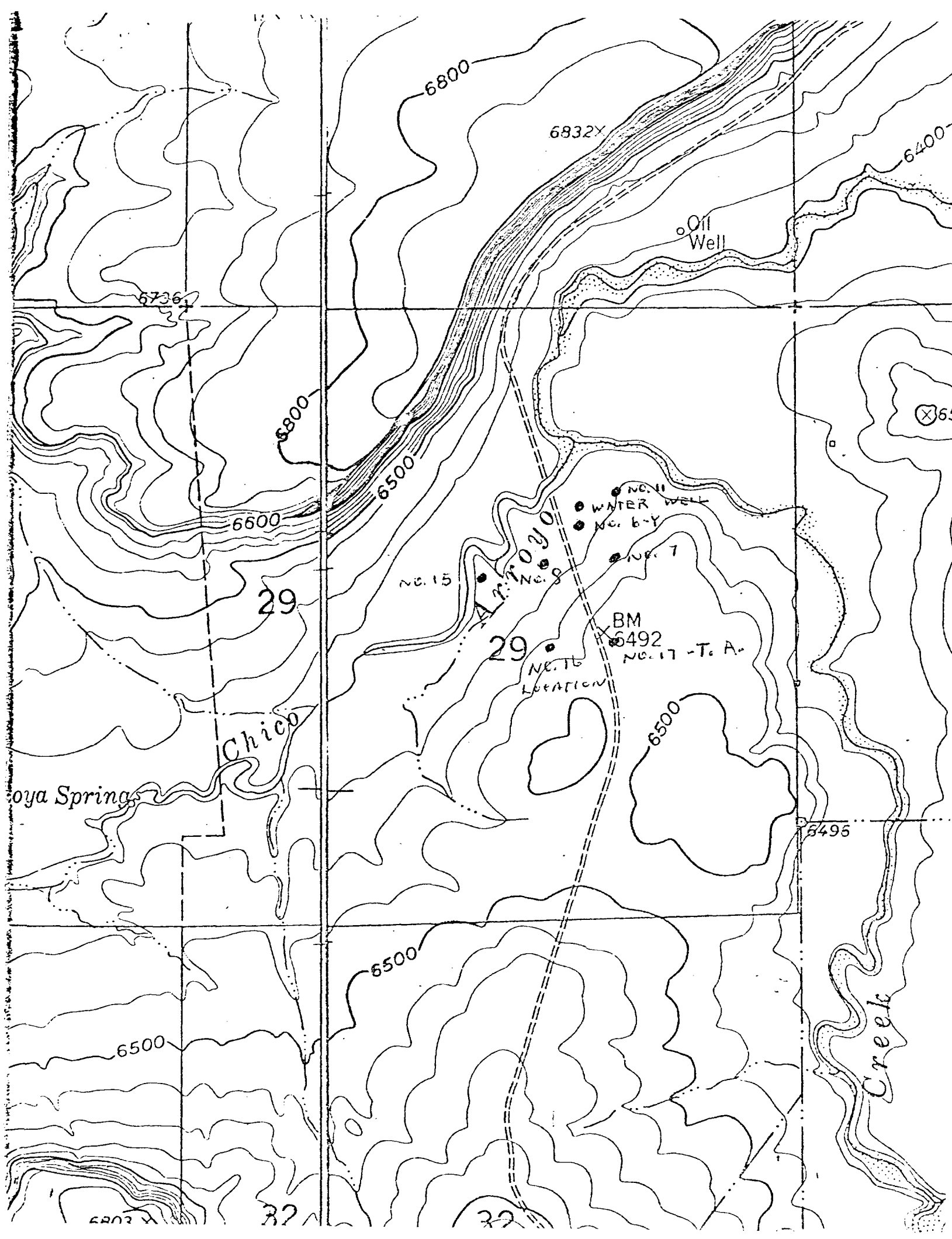
There are no gas or water bearing strata above the Gallup pay zone.

If additional information is needed, please advise.

Very truly yours,

Northern Minerals, Inc.

By: Lloyd Davidson  
Lloyd Davidson, President



NORTHERN MINERALS INC  
SEPAR NO. 15

