

# 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. 8 well from an injection well to an oil well. The location of this well is 2310' FNL and 2310' FEL, section 29, T16N-R6W, McKinley County, New Mexico.

The No. 8 well was originally completed as an oil well, then was converted to a water injection well in the belief that this well would stimulate the No. 15 well, located 2805' FEL and 2405' FNL, section 29. The No. 15 well produced a small amount of oil in the beginning and then got down to about 1 barrel per day and was shut in. The No. 15 well is 8' lower than the No. 8 well, structurally. It is Northern Minerals belief, based on studies over the past year, that injection wells should be placed down-dip and the producing wells up-dip. If this is a correct analysis of the situation, the No. 8 well should make a good producer after injection into No. 15 begins. Coincident with this request Northern Minerals is making request that No. 15 be authorized as an injection well.

Attached you will find plat showing the location of No. 8 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, sec. 29.
- No. 7. Producing oil well, 1650' FEL and 2310' FNL, sec. 29.
- No. 8. Authority is herein requested to convert this well from a water injection well to a producing oil well. This well is located 2310' FNL and 2310' FEL, sec. 29.
- No. 11. Producing oil well, 1650' FNL and 1650' FEL, sec. 29.
- No. 15. Authority is being requested to convert this oil well to a water injection well. Located 2405' FNL and 2805' FEL, sec. 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, sec. 29.
- Water Supply Well, 1905' FNL and 2,086' FEL, section 29.

Also attached is a schematic drawing of the proposed completion of No. 8 as a producing oil well showing casing, tubing, depth. Completion will be through open hole.

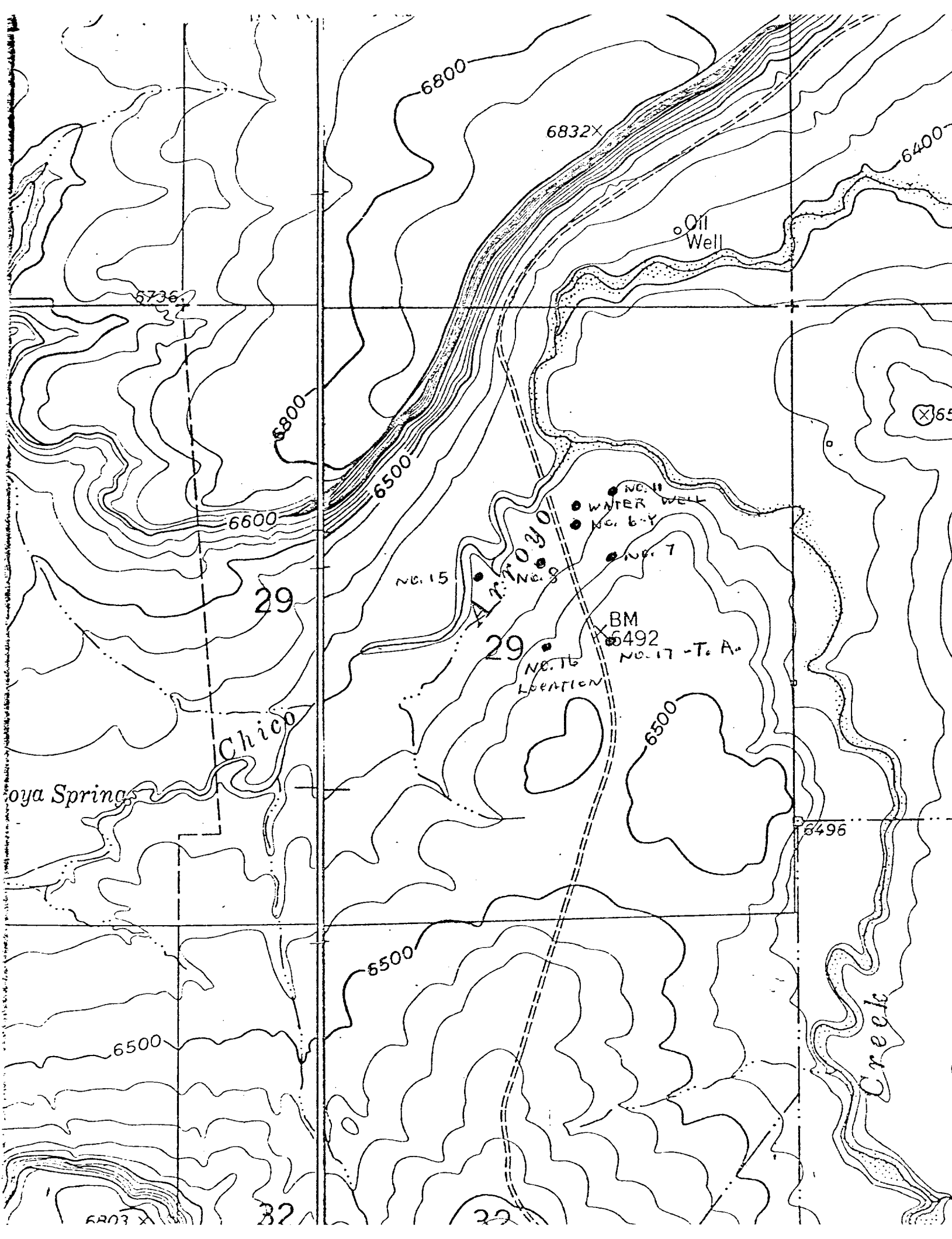
There are no gas or water bearing strata above the Gallup pay zone.

If additional information is needed, please advise.

Very truly yours,

Northern Minerals, Inc.

By: Lloyd Davidson  
Lloyd Davidson, President



NORTHERN MINERALS, INC.  
SANTA FE PACIFIC NO. 8

