



Douglas A. Ducey  
Governor

State of Arizona  
**Oil and Gas Conservation Commission**

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Dennis L. Turner, Oil and Gas Administrator

Commissioners:  
Frank Thorwald, Chair  
Vice Chair, vacant  
Stephen R. Cooper  
William C. Feyerabend  
J. Dale Nations, Ph.D.

**MINUTES OF HEARING**  
**RANGER DEVELOPMENT WELL SPACING EXCEPTION**  
**April 6, 2018**

PRESENT:

Mr. Frank Thorwald,	Chairman, Arizona Oil & Gas Conservation Commission ("AOGCC")
Mr. Stephen R. Cooper,	AOGCC Member
Mr. Bill Feyerabend,	AOGCC Member
Dr. Dale Nations,	AOGCC Member (via phone)
Mr. Rick Zeise,	AOGCC Counsel
Mr. Dennis Turner,	Oil & Gas Program Administrator

CALL TO ORDER

Mr. Thorwald called the AOGCC Public Hearing of April 6, 2018 to order at 10:06 a.m. in Room 3100B at the Arizona Department of Environmental Quality, Phoenix, Arizona.

DISCUSSION of and VOTE on RANGER DEVELOPMENT, L.L.C. 40 ACRE WELL SPACING EXCEPTION.

Ranger presented a plan to the Arizona Oil and Gas Conservation Commission to drill on 40 acre spacings that would be confined only to the Shinarump Conglomerate member of the Chinle Formation. Ranger requests Commission approval of a well spacing exception that would cover the same area covered by their aquifer protection permit (map of approved area appended to these minutes). Ranger is using a braided stream concept as their exploration model and proposes to drill on 40 acre spacings to more fully exploit the helium potential where they have mapped the Shinarump.

After lengthy discussion, consideration and questioning of Ranger's proposal, the Commission voted to approve Ranger's request to drill to the Shinarump on 40 acre spacings within the Townships stated in the Hearing announcement.

Therefore, Mr. Thorwald moved, seconded by Mr. Feyerabend,

THAT THE WELL SPACING EXCEPTION APPLICATION TO ALLOW RANGER TO DRILL ON 40 ACRE CENTERS BE APPROVED AS SUBMITTED.

Passed unanimously 4-0.

ADJOURNMENT

Mr. Thorwald moved, seconded by Mr. Feyerabend

THAT THE MEETING BE ADJOURNED

Motion carried unanimously. The meeting was adjourned at 10:45 a.m.

REVIEWED

FRANK THORWALD  
CHAIRMAN

DATE

GUESTS IN ATTENDANCE:

Joe Dixon, AZ State Land Dept.  
Keenan Murray, AZ State Land Dept.  
Aaron Magezi, AZ State Land Dept.  
Gordon Dudley, United Helium  
Ray Hobbs, United Helium

Michele Van Quathem, Attorney  
James H. Ballard  
Tony Hines, IACX  
Kurt Constenius, Twin Bridges