OIL & GAS CONSERVATION COMMISSION Meeting: June 1.6, 1972 Mr. John Bannister, Exec. Sec.

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Oil and Gas Conservation Commission

STATE OF ARIZONA

PHOENIX, ARIZONA 85013 PHONE: (602) 271-5161

AGENDA

Meeting June 16, 1972 4515 N. 7th Avenue, Phoenix, Arizona

Hearing, Case No. 47 -

Immediately following hearing

Call to order

1 Approval of minutes of meeting of May 19, 1972

2 Report of Executive Secretary

3 → Report of Enforcement Section

4 ✓ Report of Geology Section

5 01d Business -

6, New Business - Nogales

7. Adjourn

Nat. Gward

IF YOU ARE UNABLE TO ATTEND THIS MEETING, PLEASE NOTIFY THIS OFFICE AS SOON AS POSSIBLE.

Sept. Budget - July = Aug

Nogales-meeting July = Benjon - wife



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE. PHOENIX, ARIZONA 85013 PHONE: (602) 271-5161

June 14, 1972

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Memo: Commissioners From: John Bannister

I recently attended the Interstate Oil Compact Commission meeting held in Hot Springs, Arkansas. Commission Chairman, Governor Stanley Hathaway of Wyoming, attended, as did Bruce King, Governor of the Mexico; Governor Robert Docking of Kansas; and Governor Dale Bumpers of Arkansas, our host.

As you are aware, I am the representative of Governor Williams to this Compact Commission. In addition to this, I am a member of the Regulatory Practices Committee, member of the Environmental Protection Committee, and a member of the Sub-Committee on Water Injection of the Environmental Protection Committee.

This latter sub-committee had a meeting at 2 p.m. on Sunday, June 11th, which I attended, wherein a questionnaire which will go to all regulatory agencies concerning handling of water injection by each state, from an environmental protection position, was discussed and approved by the sub-committee. This report and recommendation were submitted on Monday to the meeting of the full committee and approved and adopted.

On Monday morning, June 12th, I attended the meeting of the Regulatory Practices Committee and then the joint technical session. This joint technical session had a most interesting paper on micellar solution flooding in order to stimulate additional protection from reservoirs. In addition to the paper on the technical aspects of this particular type of flooding, a panel composed of members from the Federal Power Commission and the National Gas Survey discussed the forthcoming program of the Federal Power Commission wherein it will go to the regulatory offices in the states of the various members in order to try to determine the amount of gas reserve contained in the United States. This will be a very large undertaking. This Commission has indicated that it will coperate in the study and, at some future date, a team from FPC will come to this Commission for information.

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Memo: Commissioners From: John Bannister 6-14-72

Page 2

As I have indicated, Monday afternoon the Environmental Protection Supervisory Committee met and, after the usual business, we enjoyed a very informative film on the proposed trans-Alaska pipe line.

Following this meeting was the first of two general business sessions held by the Commission and presided over by Governor Hathaway.

On Tuesday, June 13th, the second general business session was conducted. Addresses were given to the delegates by the abovementioned Governor, as well as some remarks by General George Lincoln, Director of the Office of Emergency Preparedness, concerning international security and the effects of our oil and gas crisis on this problem. General Lincoln expressed the opinion that the United States is close to its total producing capacity and that, short of additional discoveries, we will have to look elsewhere for energy needs. He urged the use of such conservation tools as unitization to do all possible to keep the production capacity of the United States at a safe level.

Harry True, President of True Oil Company, and Michael Halbouty, internationally famous geologist, addressed the group. Both expressed the feeling that America has great potential and can buy sufficient energy, should ample financial rewards be present.



OFFICE OF THE GOVERNOR

STATE HOUSE
PHOENIX, ARIZONA 85007

IN REPLY REFER TO:

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JUN 1 ° 1972

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June 9, 1972

Mr. John Bannister, Executive Secretary Oil and Gas Conservation Commission 4515 North Seventh Avenue Phoenix, Arizona 85013

Dear Mr. Bannister:

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JACK WILLIAMS

It is my pleasure to inform you that the Four Corners Regional Commission voted on June 8, 1972 to approve your request for Technical Assistance Grant funds in the amount of \$14,000, subject to receipt of FY 1973 funds.

The Chief Program Officer of the Four Corners Regional Commission will formally notify you of the grant approval and of further necessary procedures.

As this matter progresses, if you have any questions or if problems arise please contact my office and every effort will be made to assist you.

Sincerely,

Jack Williams

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Oil and Cas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE. PHOENIX, ARIZONA 85013 PHONE: (602) 271-5161

June 7, 1972

Memo: Commissioners From: John Bannister

You have received a copy of our proposed rules and regulations for the control of geothermal exploration and production and have been advised that the hearing has been set for 10:00 a.m. on June 16, 1972 at our office in Phoenix. Following the hearing, we will have our regular Commission meeting. We have had numerous requests for copies of our proposed regulations, however I do not anticipate at this time a particularly large attendance nor do I anticipate a great deal of controversy concerning these regulations. The Attorney General has advised us verbally that our proposed regulations conform with statutes and should they be adopted substantially in the form presented to him, will receive the Attorney General approval. Arrangements have been made for a court reporter, as provided by our statutes.

In addition to complying with the specific hearing statutes set forth in our laws, this Commission has complied with the general administrative statutes in working through the Secretary of State's Office.

As we have only four Commissioners at this time and it is necessary that we have a quorum of at least three for the hearing, please advise as soon as possible if you cannot attend.

Humble has been issued a permit for its first well. The well is located in the NW SE of Section 2, Township 8 South, Range 8 East. This is north and east of the town of Eloy. We have had many requests for information concerning this well. Of course, the well has been declared TIGHT. We have had rumors to the effect that Humble will also drill somewhere in the Yuma area and somewhere in Township 3 South, Range 11 West.

Another interesting location is that of Astro-Tex Oil Corporation for a permit to drill in the NW NE of Section 31, Township 5 North, Range 17 East. This location is west of

Memo: Commissioners 6-7-72 Page 2

the bridge at the bottom of the Salt River Canyon.

I am sorry to announce that Linda Bayless, secretary to Jack Conley, has submitted her resignation effective June 15th. Mrs. Bayless has secured a better paying job with the Board of Regents.

On June 6th I spoke before the noon meeting of the Petroleum Development Association of Arizona. This is the old Oil and Gas Association. I spoke on the current oil and gas situation in Arizona, touching upon geothermals as well as oil and gas matters. The association meeting was attended by approximately 20 people.

I am pleased to advise that the Arizona National Guard has furnished personnel and equipment to move the Arkla samples from Holbrook. As of today, i.e. June 7th, the samples will leave Holbrook and should be stored in the stadium at Arizona State University. Of course, appropriate letters of appreciation will be forwarded to the National Guard as soon as possible. These samples, I am sure, will prove of great future value and ASU is delighted to have them available, particularly inasmuch as a new faculty member will begin some work on these samples beginning some time this fall.

As authorized, I will attend the summer meeting of the Interstate Oil Compact Commission this weekend. A written report will be made as soon as possible.

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OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE. PHOENIX, ARIZONA 85013 PHONE: (602) 271-5161

ACTIVITY REPORT

June 7, 1972

Memo from W. E. Allen, Director Enforcement Section

Last minute changes were finally made on the April 1st order that would have required oil and gas operators to post official notice 30 days in advance of starting any exploratory drilling on Federal lands. There is no longer a requirement that such a notice be given. Instructions were also issued by USGS as to what constituted an exploratory well. An exploratory well as defined by USGS is any well drilled more than two miles from established production or the boundary of a "known geologic structure".

The rules now require the well location site to be inspected by USGS and whatever governmental agency controls the surface. An oil company representative will also accompany the Federal inspectors.

While the above is an improvement over the original order requiring a minimum of 30 days waiting period before the USGS would issue a permit for the drilling of an exploratory well, there can still be costly delays in the issuance of a drilling permit. Among other possible delays, an environmental impact statement is still very much a possible requirement prior to issuing a drilling permit.

It is the writer's opinion that we should take every opportunity to urge our senators and representatives in Washington to take whatever steps that may be required to prohibit the repressive rules that are constantly being made by the various Federal bureaus.

The following relates to the subject of who is the major oil finders--major oil companies or independents? In 1971 there was a total of 2,015 new field discoveries, new pay openers and extensions in the United States. The independents accounted for 1,465 or 72.7% of these, (attached to this report is a detailed tabulation of who did what).

Humble's Arizona play should eventually attract some of these independent oil and gas finders into our State.

We have received numerous requests for copies of our proposed rules pertaining to geothermal resources. Judging from the number of requests for copies of these rules, we may have a number of participants at the hearing of June 16.

Page 2 Activity Report - June 7, 1972 Mr. W. E. Allen

We visited the location site of Humble Oil & Refining No. 1 State (74), NW/SE Section 2-T8S-R8E, Pinal County, last week. At the time of our visit the road and location had been cleared and leveled. The location and road was to be gravel and the earthen pits (reserve) will be lined to prevent any possible seepage. Loffland Brothers Drilling Company was to start moving in a rotary rig on June 5 or 6. Bart Highland will be Humble's local representative in charge of drilling activities. Bart is an old acquaintance of mine and we had a long visit. He anticipates spending the winter in Arizona. Rumors are that Humble is about to file another application to drill. This time in Yuma County.

Cities Service Oil Company has spudded their Monsanto-Navajo "C" 1, SE/NW Section 16-T40N-R29E, Apache County, and at last report were preparing to run surface casing at 830'.

P & H Development, Inc. No. 1 Federal, NW/SW Section 30-T2S-R9W, Maricopa County, is drilling below 1400'. It would seem that this operator is just marking time while he attempts to interest someone in his lease holdings.

Eastern Petroleum Company has plugged and abandoned their Ancon Santa Fe Fee #3, SW/NE Section 31-T20N-R28E, Apache County. This was a Shinarump Test. The T.D. was 1280'. This operator has been issued a permit to drill the Santa Fe Fee-Dreck No. 1 in the SE/SW Section 25-T20N-R27E, Apache County. This will be a 1200' Shinarump Test. Of the last five permits issued to Eastern, not one has been a producer. Although, they are still working on three of these wells.

The Clinton Oil Company Navajo "O" #2, NW/SE Section 23-T41N-R30E, Apache County, is still a location. Rumor has it that Clinton is having some financial difficulties.

R. Y. Walker and Petrofunds, Inc., has plugged their No. 1-A Navajo, SE/SW Section 20-T36N-R18E, Navajo County. The T.D. of this Dakota Test was 1258'. They also plugged the first hole that was drilled in the same location.

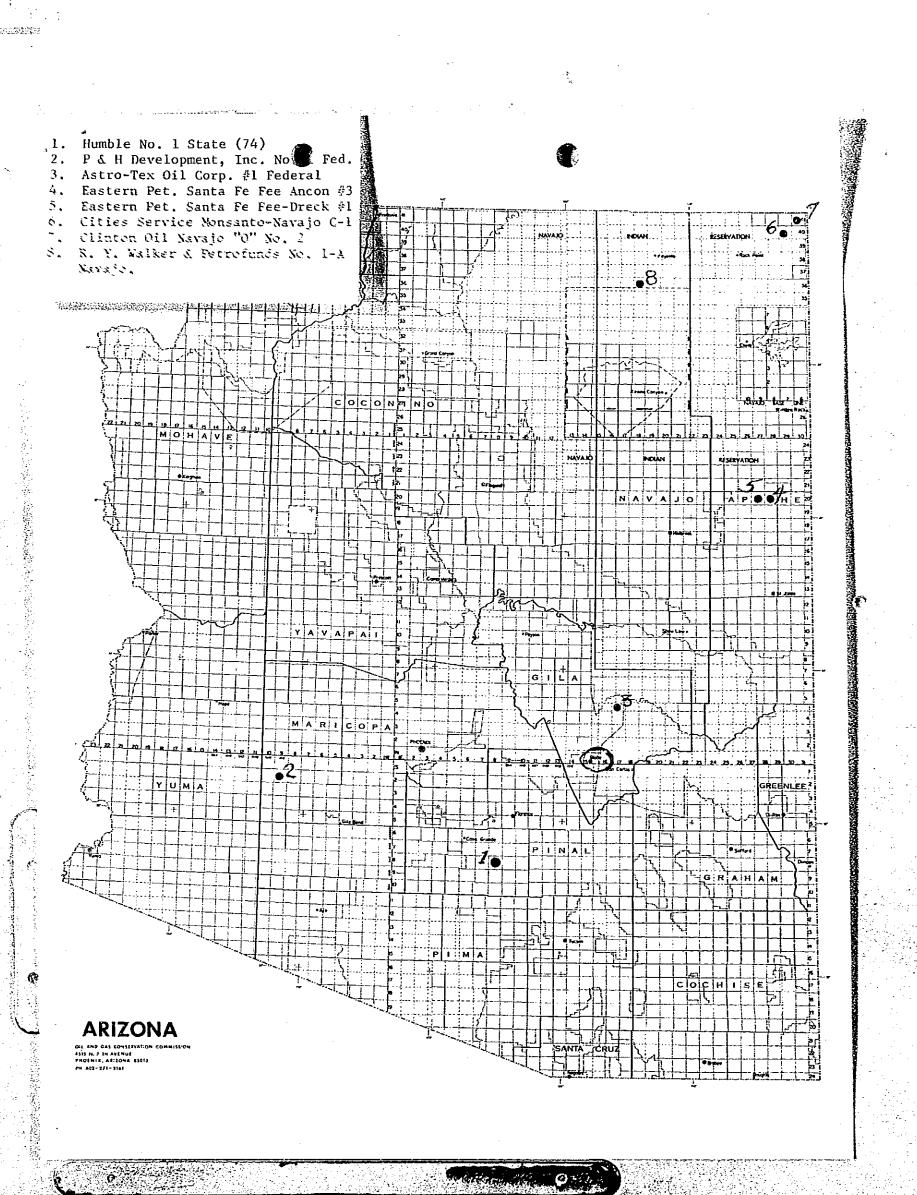
Astro-Tex Oil Corporation of Arizona has filed application to drill Astro-Tex Federal No. 1 in the NW/NE Section 31-T5N-R17E, Gila County. This is a proposed 1700' test. We are awaiting receipt of their drilling bond to issue the permit. The bond was received along with the application to drill, however, it failed to have the description of the well location and was returned to have this description inserted. This well is some 33 miles north of Globe in a remote section of the Tonto National Forest.

Who scored exploratory successes in U.S.									
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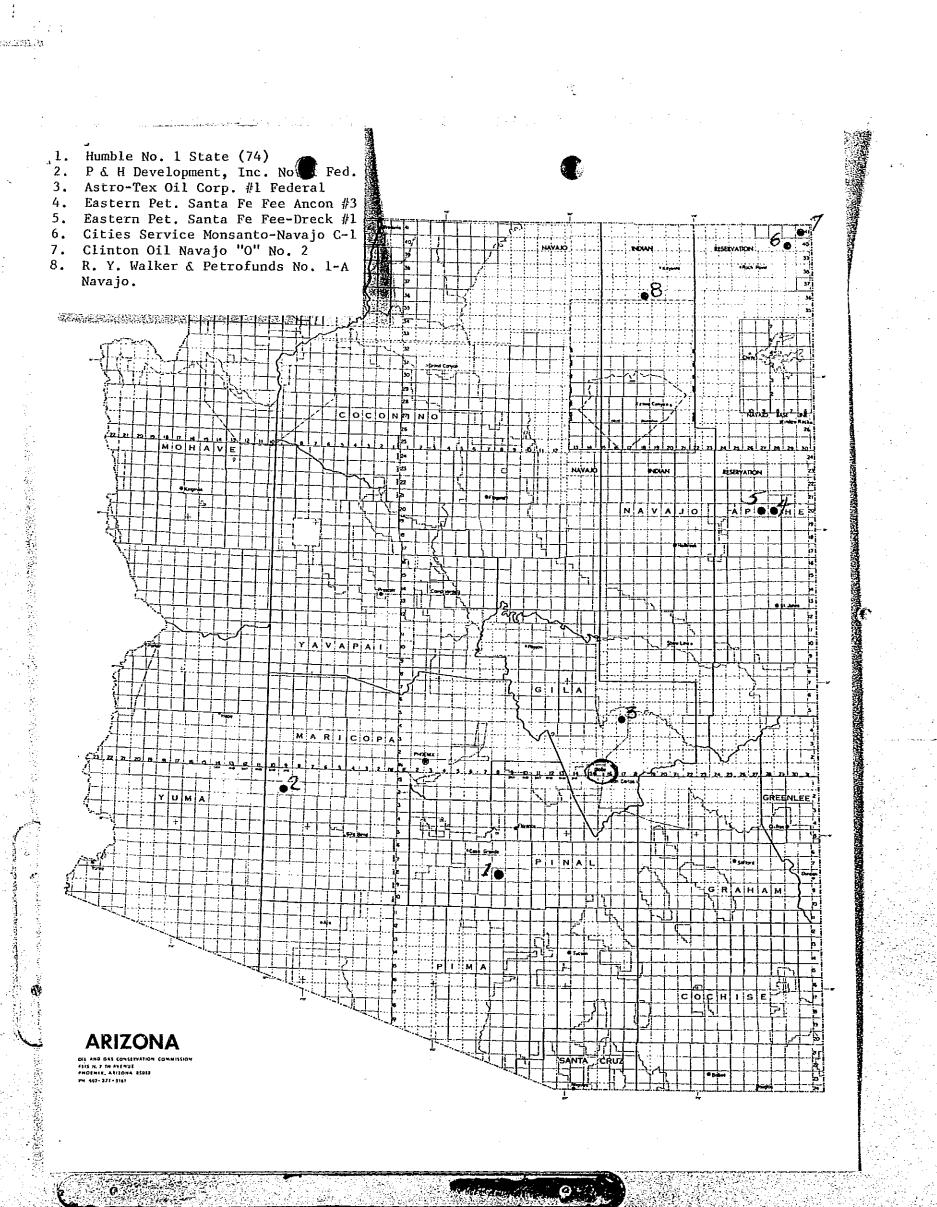
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OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE. PHOENIX, ARIZONA 85013 PHONE: (602) 271-5161

June 7, 1972

ACTIVITY REPORT

J.N. Conley Director, Geology Section

COMMISSION PUBLICATIONS

There were only a few requests received this past month for our presently available publications. We have had several requests recently for a map showing the location of productive fields and wildcat wells. Barring unforseen contingencies, the new Well Location Map of Arizona will be available for distribution early in July. Also, a preliminary compilation of geologically significant water wells drilled in the counties in the Basin and Range province is currently being typed. Only a limited quantity of this compilation will be reproduced on our machine for an initial distribution to companies and individuals who have displayed or expressed an interest in the hydrocarbon and geothermal resources of this State.

EXPLORATION ITEMS

Drilling --

Humble Oil and Refining Company has been issued a permit for an exploratory stratigraphic hole in Section 2, Township 8 South, Range 8 East, near Eloy in Pinal County; proposed depth, 12,000 feet.

According to one report, unconfirmed, Humble proposes to drill three more wells in Arizona this year: one in the general vicinity of the city of Yuma; one north of Hyder in Yuma County; and no report as to location of the fourth hole.

Geophysical --

No information available at this time as to where the two Humble seismograph crews are operating.

LIBRARY - SAMPLE

Crated cores of the Permian salt section of forty-three or more stratigraphic holes drilled by Arkla Exploration Company in the general Holbrook area, Navajo and Apache counties, are being transported June 7th to storage facilities furnished by Arizona State University. The Arizona National Guard is furnishing the manpower and trucks.

ACTIVITY REPORT

Geology Section Page - 2

June 7, 1972

RECOMMENDED GEOPHYSICAL/GEOLOGICAL PROJECTS

Several of the previously recommended investigative projects were presented to Governor Jack Williams May 18th, in The Commission's office. He approved the projects, and has instructed his staff to attempt to obtain the financial support needed.

ARIZONA RESOURCES INFORMATION SYSTEM (ARIS)

Remote Sensing --

A remote sensing workshop was sponsored by ARIS here in Phoenix May 23 and 24. Although emphasis was placed on the uses of ærial photography in the field of highway planning and construction, much of the material presented and discussed was beneficial to all participants. Some time was devoted to other remote sensing techniques, including radar imagery and geophysics. The workshop was well-attended by representatives of many State agencies and departments other than the Highway Department. I represented this Commission.

Through Carl Winikka, Director of ARIS, the Oil and Gas Conservation Commission may be able to get from the Goodyear Aerospace Corp. some high-resolution side-looking airborne radar imagery in portions of the State. The imagery will be furnished at no charge. Much of the radar imagery in Arizona was flown for the Federal Government, and has been "classified" material. Goodyear believes that a declassification can now be obtained for some areas. The company is interested in promoting the use of this remote sensing technique in such fields as geophysics, hydrology, exploration for mineral, hydrocarbon and geothermal resources, topographic mapping, land-use monitoring and agricultural studies by industries and State agencies.

This Commission's staff does not have personnel trained and experienced in the interpretation of radar imagery. The Arizona Bureau of Mines, and the geological departments of Arizona State University and Northern Arizona University, however, have expressed definite interest in getting some imagery to supplement current research projects. Most of these projects are located in areas where the basic data developed would be of value to this Commission in evaluating the hydrocarbon and geothermal resources.

State-wide Mapping --

At the Remote Sensing Workshop Carl Winikka reported that Arizona has been photographed from border to border by NASA's U-2 aircraft, a State-wide mapping project by the State of Arizona, the U.S. Department of the Interior and the National Aeronautics and Space Administration.

ACTIVITY REPORT

June 7, 1972

Geology Section Page - 3

The U-2 aircraft, flying at an altitude of 65,000 feet, were equipped with camera systems taking black and white, red, green, solar infrared and color infrared photography. The RC-10 black and white photography will be used by the U.S. Geological Survey to make orthophoto quadrangle maps. These are maps with a photographic base of 1:24,000 scale, or 1 inch equals 2,000 feet. The other photography, used in conjunction with RC-10 photography, geophysical and geological information, will be useful in searching for various natural resources, including oil, gas and geothermal.

VISITORS - PHONE REQUESTS

Among the visitors was a representative of McPhar Geophysics, Inc. This company, in addition to surveys made for minerals, has also made surveys for geothermal resources in the States and overseas. It believes that Arizona has good potentialities for geothermal energy.

Phone requests for information concerning geothermal, hydrocarbon and salt resources, samples of drill-bit cuttings of wildcat wells, and copies of our available publications have been received from widely scattered cities (New York, Tulsa, Houston, and Salt Lake City) by companies and individuals.

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Fannin pushes geothermal development

The nation should move quickly to develop its geothermal resources, Arizona's senior senator urged yesterday before the Senate Interior Committee in Washington.

Sen. Paul Fannin, R-Ariz., noting that environmentalists have opposed the draft of an Interior Department environmental impact statement regarding geothermal leasing,

recognized that geothermal ing program." steam provides the most pol-lution - free source of energy for the generation of electric power and would have leaped at the opportunity to support a geothermal steam leasing program."

Fannin said the environmentalists asserted that the department's environmental impact statement on geothermal leasing "failed to adequate would have hoped that ately stress the ecological

environmentalists would have a dangers of the proposed leas-

The senator, however, maintained that hazards such as land subsidence and contamination by effluents can be overcome.

Phoenix, Friday, June 18, 1972 . The Arizona Republic 41

Oil firms getting interested in minerals, official says TUCSON (AP)—The senior the Tucson subsection of the

J. S. Royds said many oil ation companies have become so in Tucson, several of the involved they are permanently larger oil companies have ex. seeking competition with cop ploration offices concentrating per producers and other min on copper searches. Among

vice president of Continental Tucson Institute of Mining. Oil Co. says many oil companie Engineers, Royds said out of nies are becoming more intere 38 company annual reports he ested in hardrock mining than had received, 28 had said they they are in oil. Were active in mineral explor-

30° 5、阿维·特·安尔曼是一 eral firms. Humble Oil; Superior Oil, Aus Speaking at a meeting of trai Oil and Tenneco Oil

FEDERAL POWER COMMISSION WASHINGTON, D.C. 20426

IN REPLY REFER TO:

BNG/A&P/GS

May 31, 1972

Mr. John Bannister Executive Secretary Oil and Gas Conservation Commission 4515 North 7th Avenue Phoenix, Arizona 85013

Dear Mr. Bannister:

Thank you for your letter indicating a willingness to assist the Federal Power Commission Gas Reserve Teams in conducting their portion of the National Gas Survey. The exact timetable as to when these teams will be in your State has not been determined, however, you will be notified prior to their arrival by Mr. Larry Mangen, Assistant Head of Gas Supply, who is responsible for scheduling and controlling these teams in the field.

We are hopeful of keeping you and the rest of the States informed on this matter through the I.O.C.C. meetings held twice a year. However, if there are any questions that you need an answer to please do not hesitate to contact us.

Sincerely yours,

Edward A. Albares

Head, Gas Supply Section

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O & G CONS. COMM.

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AGENCY 011 & Gas Conserv. Comm.

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