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OIL & GAS CONSERVATION COMMISSION  
MINUTES OF MEETING - JUNE 13, 1997  
STEVEN L. RAUZY - OIL & GAS ADMINISTRATOR

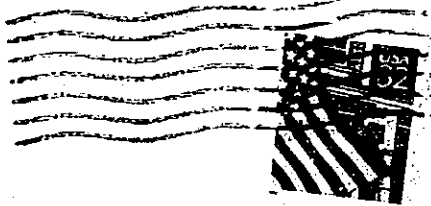
**RAOC**  
Arizona CO2 Project

RAOC  
Arizona CO2 Project

The Office and Directors of  
Ridgeway Arizona Oil Corporation  
cordially invite you to attend

A HOST MIXER

Thursday, June 12th  
6:30 pm - 8:00 p.m.  
Pera Prairie Schooner Lounge  
St. Johns, Arizona



Steven L. Rauzi  
416 W. Congress, #100  
Tucson AZ 85701



The Officers and Directors of  
Ridgeway Arizona Oil Corporation  
cordially invite you to attend

the 1997 Annual Meeting  
of the  
Arizona Oil and Gas Commission

to include a presentation on the vision of  
Ridgeway Arizona Oil Corporation and the  
potential benefits for Apache County and the  
State of Arizona

Friday, June 13th  
8:30 am - 1:00 pm  
Pera Prairie Schooner  
St. Johns, Arizona

Continental Breakfast and Lunch  
will be provided by  
Ridgeway Arizona Oil Corporation

R.S.V.P. is requested by Friday, June 6th  
(520) 337-3230

## LOCAL ACCOMMODATIONS

### Accommodations and Telephone

#### St. Johns

Days Inn  
125 E. Commercial  
St. Johns, AZ 85936  
(520) 337-4422

Super 8  
75 E. Commercial  
St. Johns, AZ 85936  
(520) 337-2990

#### Springerville/Eagar

(Approximately 30 minutes from St. Johns)

Best Western Sunrise Inn  
128 N. Main Street  
Eagar, AZ 85925  
(520) 333-2540

El Jo Motor Inn  
425 Main Street  
Springerville, AZ 85938  
(520) 333-4314

Reeds Motor Lodge  
514 E. Main  
Springerville, AZ 85938  
(520) 333-4323  
(800) 814-6451

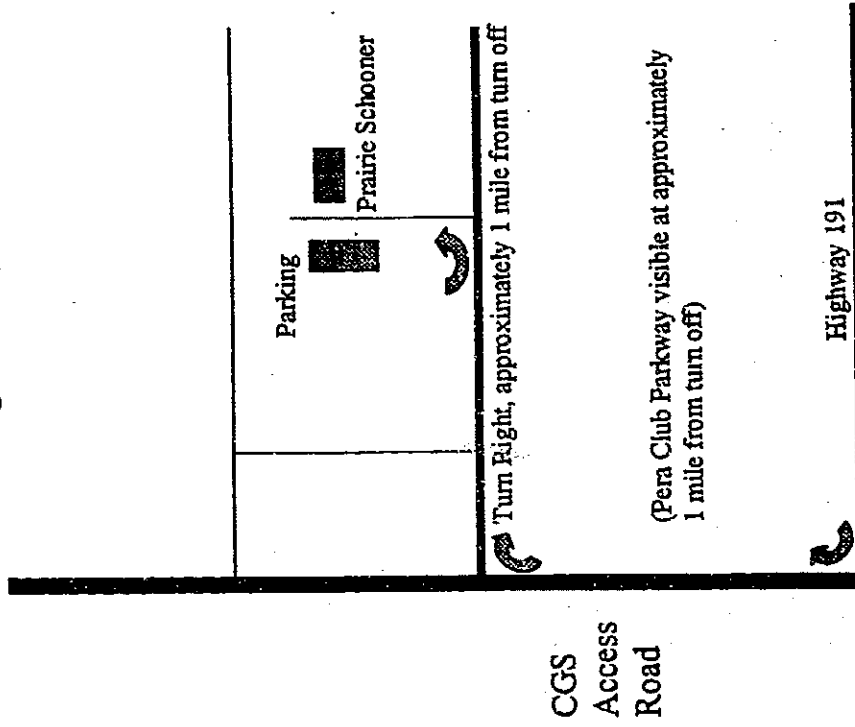
Springerville Inn  
242 E. Main  
Springerville AZ 85938  
(520) 333-4365

Super 8  
W US Hwy 60  
Springerville AZ 85938  
(520) 333-2655

White Mountain Motel  
333 Main Street  
Springerville, AZ 85938  
(520) 333-5482

SLP - Coronado Generating Station (CGS) access road is located about 3 miles northeast of St. Johns, off Highway 191. Turn right to CGS and Pera Club Parkway is viable approximately 1 mile further on the right hand side.

SRP - Coronado Generating Station (CGS) access road is located about 5 miles northeast of St. Johns, off highway 191. Turn right to CGS and Pera Club Parkway is visible approximately 1 mile further on the right hand side.



Ridgeway Arizona Oil Corporation  
P.O. Box 1110  
St. Johns, Arizona 85936



# AOGCC MTG June 13, 1997

Name	Representing
Don Riggs	RAOC
Robert Riddle	LFI
Steve Melzer	Self/RAOC
Eric Morik	Koch Industries
Gary Baker	" "
Vinodh Kumar	" "
Ted Randolph	Dowell
Rob Helbing	Dowell
CAKE Cannizzano	Self
Harvey Braun	Self
Harriet Holt	Self
Marta Pellegrini	RAOC
Don Lurie	Ridgeway
Nancy Sandel	Aztec Well Service
Serry Sambl	Aztec Well Service
Buddy Davis	" " "
Licky Kent	ProTechnics Int'l
Samantha Williams	Schlumberger
Anita Leff	T.W. Cooper Inc.
Thomas Stager	"
Thomas Philipose	Schlumberger
Jay Russell	Schlumberger
Ray Johnson	N.M.O.C.D.
Bob Winfield	CHI Tower, Inc.
Tim Rick	Ridgeway
Paul Nyberg	Centron Int'l. Inc.

# AOGCC MTG, JUNE 13, 1997

Name	Representing
TED BURNS	AMPLE RESOURCES, INC.
WALTER RUCH	RIDGEWAY
Phil Bruh	Arizona Resources
Richard Tudor	IVFESC
Clay Queegee	Dawn Trucking
James Martin	Dawn Trucking
Justin	TRIPLE S
W.K. Giddens	Reservoirs, Inc.
W. Sautter	Willbros
Rod Preston	ACO Equipment
Carlos Jessop	VERANDA
Ted Jessop	Gila County REPARC
Dennis Wells	AZ. State Land Dept.
Zed Veale	oil & Gas Comm.
Jim O'Leary	TRIPLE S
DAVE VOYTEK	APACHE COUNTY OBSERVER
GAYLAND TUCKER	DAWN TRUCKING
John	Ranstrom Hal Sheppard CPAs
Finian Hall	Mobil Oil
George L Scott Jr	Scott Exploration Inc, Roswell, NM
Sheron Scott	" "
David J. Moore	Aera Energy LLC, Bakersfield, CA
LISA WORTHINGTON	AOGCC
SHANE HALL	RANSTROM HALL + SHEPPARD, CPA
Myrna Wall	Hoging Box Ranch
Deek Wall	
Er. J. Hunter	Ridgeway

# AOGCC MTG 6-13-97

NAME	Representing
Jim Crosby	Same
Hanna Crosby	for Hanna Crosby
Ross Overson Jr	City Council
Cathy Cosgrove	Emerg. Serv, Apache Co.
Anna M. Prentiss	County Assessor Apache
Melody Capps	Apache Co. Assessor's office
R.S. Shawoll	MENARD Energy
Kimi Holloway	Shell CO <sub>2</sub> Company
Russell Martz	Shell CO <sub>2</sub> Company
Michael J. Evans	Nariopache Electric
J. Mulan Day	Francis Day & Sons
Marc Steadman	Arizona Attorney General
FaVole Ashcroft	Cogan Town Council
Brandon R. Crosby	John R. Coach / BC SEPTIC
Heraldine Davis	White Mt Independent
E. E. Smith	Self
R. BRUCE OVERSON	St Johns Police Dept.
WILLIE HALL	" " " "
THOS. HOFFMAN	DHN Corp.
JULIE RULE	RF Management Group
JERRY RULE	FOX INVESTMENTS
CHARLES BRODBURN	SHERIFF'S OFFICE
Debbie Lee	CBC, Inc.
Mike	CBC Inc.
Barbara Preston	Bank One
Al Anderson	St Johns United Drug
Wayne R. BARNES	Tucson Elec Power Co.

# AOGCC MTG 6-13-97

Name	Representing
Amber Charkman	St. Johns Chamber of Commerce
Keith Shreve	Shreve & Assoc Inc.
Steve Anderson	City of St. Johns
Jim DeHaven	MPL International, Inc.
Lambert Fisher	Nielsen Milling
Carlos Gonzalez	
Ken Whiting	Salt River Project
Jose Verdugo	Frontier State Bank
Lee Hall	Apache Co Clerk
Gladys Jaramilla	Apache City Sheriff's Office
Casey Shaw	First Chicago Capital Mkts
Bill Loh	SRR/CGS
Greg Chavira	St. Johns City Council
Jackie Brown	State Senator St. Johns
C. Art Lee	Apache Co Sheriff
David A. Brown	Brown & Brown
Tom White	Apache Co Dist. 2
Tom R. Smith	✓
Clarence Biggs	✓
Gregory Buck	Bridgeway Pet.
Ernest Prange	Springville
Ray Lynn	Springville Councilman
Andy Brown	Brown & Assoc. Insurance
Greg Sebel	Powell
DAVID Gwynn	Gwynn Financial Services/FOX & CO

AOGCC MTG 6-13-97

<u>Name</u>	<u>Representing</u>
Russell H. Burdick, Jr.	Apache County Atty.
Tom Hansen.	Lucson Electric Power

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# AOGCC MTG June 13, 1997

Name	Representing
Don Riggs	RAOC
Robert Riddle	LFI
Steve Melzer	Self/RAOC
Eric Moric	Koch Industries
Gary Baker	" "
Vinodh Kumar	" "
Ted Randolph	Dowell
Rob Helbing	Dowell
CARL CANNIZZARO	Self
Harvey Channing	Self
Harriet Holt	Self
Marta Pezzack	ALCS
<del>DP</del>	RAOC
Don Lurie	Ridgeway
Nancy Sandel	Aztec Well Service
Terry Sandel	Aztec Well Service
Buddy Davis	" " "
Licky Kent	ProTechnics Int'l
Samantha Williams	Schlumberger
Anita Lepp	T.W. Cooper Inc.
Thomas Steger	"
Thomas Phillips	Schlumberger
Jay Russell	Schlumberger
Ray Johnson	N.M.O.C.D.
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Tim Black	Ridgeway
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WALTER RUCH	RIDGEWAY
Phil Brugh	Arizona Resources
Richard Turdell	IVFESC
Clay Sweazea	Dawn Trucking
James Martin	Dawn Trucking
<del>Justin</del>	TRIPLE S
<del>W.K. Gordon</del>	Reservoirs, Inc.
<del>W. Sautter</del>	Wallbros
Rod Preston	ACO Exploration
Carlos Jessop	VERANDA
Ted Jessop	Gila County REPAR
Dennis Wells	AZ. State Land Dept.
Zed Veale	Oil & Gas Comm
<del>Jim O'Leary</del>	TRIPLE S
DAVE VOYTEK	APACHE COUNTY OBSERVER
GAYLAND TUCKER	DAWN TRUCKING
<del>John</del>	Ranstrom Hall Sheppard CPAs
Brian Hall	Mobil Oil
George L Scott Jr	Scott Exploration Inc, Roswell, NM
Sharon Scott	" "
David J. Moore	Aera Energy LLC, Bakersfield, CA
Lisa Wroth	AOGCC
SHANE HALL	RANSTROM HALL & SHEPPARD, CPA
Myrna Wall	Hoging By Ranch
Nick Wall	
Erin Hunter	RidgeWay

# AOGCC MTG 6-13-97

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Jim Crosby	Same
Harris Crosby	for Harris Crosby
Ross W. Overson JR	City Council
Cathy Cosgrove	Emerg. Serv, Apache Co.
Anna M. Prentiss	County Assessor Apache
Melody Capps	Apache Co. Assessor's office
R.S. Shawoll	MEHARD Energy
Kimi Holloway	Shell CO <sub>2</sub> Company
Russell Martell	Shell CO <sub>2</sub> Company
Michael Evans	Navopache Electric
J. Melan Day	Francis Day & Sons
Marc Steadman	Arizona Attorney General,
FaVril Ashcroft	Cagar Town Council
Brandon R Crosby	Bank R Coach / BC SEPTIC
Heraldine Davis	White Mt Independent
E. E. Smith	Self.
R BRUCE OVERSON	St Johns Police Dept.
WILLIE HALL	" " " "
THOS Deffner	DHAN Corp.
JULIE RICE	RF Management Group
JERRY RICE	FOX INVESTMENTS
CHARLES BRODBURN	SHERIFF'S OFFICE
Quadee Dine	CBC, INC.
W. Lee	CBC Inc.
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Jack A Brown	State Senator St. Johns
C Art Lee	Apache Co Sheriff
David A. Brown	Brown & Brown
Tom White	Apache Co Dist. 2
Tom R. Smith	✓
Clarence Biggs	✓
Quincy Buck	" "
Ernest Prange	Ridgeway Rd.
Roy Lynn	Springville
Andy Brown	Springville Councilman
Greg Seibel	Brown & Assoc. Insurance
DAVID Gwynn	Powell
	Gwynn Financial Services/Fox & Co

AOGCC MTG 6-13-97

Name  
Russell H. Burdick, Jr.  
Tom Hansen

Representing  
Apache County Atty.  
Lucson Electric Power

109



Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

416 W. Congress, Suite 100  
Tucson, Arizona 85701  
(520) 770-3500



Larry D. Fellows  
Director and State Geologist

**NOTICE OF PUBLIC MEETING**

**OIL AND GAS CONSERVATION COMMISSION**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the Oil and Gas Conservation Commission and to the general public that the Oil and Gas Conservation Commission will hold a meeting open to the public on June 13, 1997, at 8:30 a.m. at the Prairie Schooner facility, Coronado Generating Station access road, St. Johns, Arizona.

The agenda for the meeting is as follows:

1. Call to Order
2. Approval of the Minutes of Meeting of March 14, 1997
3. Statement of Director and State Geologist
4. Report of Oil & Gas Program Administrator
5. Presentation by Don Riggs, Vice President, Ridgeway Arizona Oil Corp.
6. Call to the public
7. Announcements
8. Adjournment

A copy of the agenda background material provided to Commission members is available for public inspection at the Oil and Gas Program Administrator's office, 416 West Congress, Suite 100, Tucson, Arizona 85701.

The public will be afforded an opportunity to comment on any item on the agenda; however, at the beginning of the meeting, the Commission may vote to set up a time limit on individual comments.

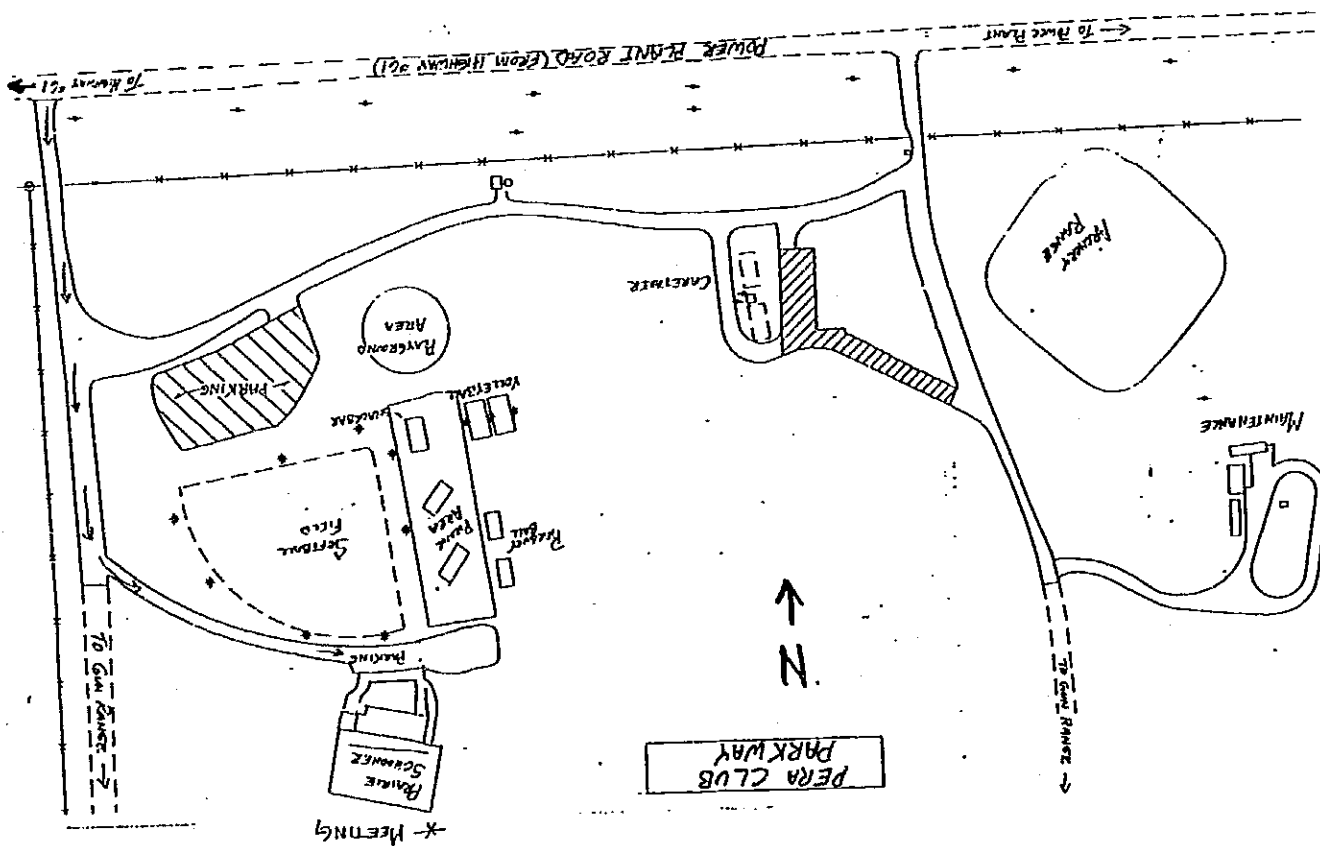
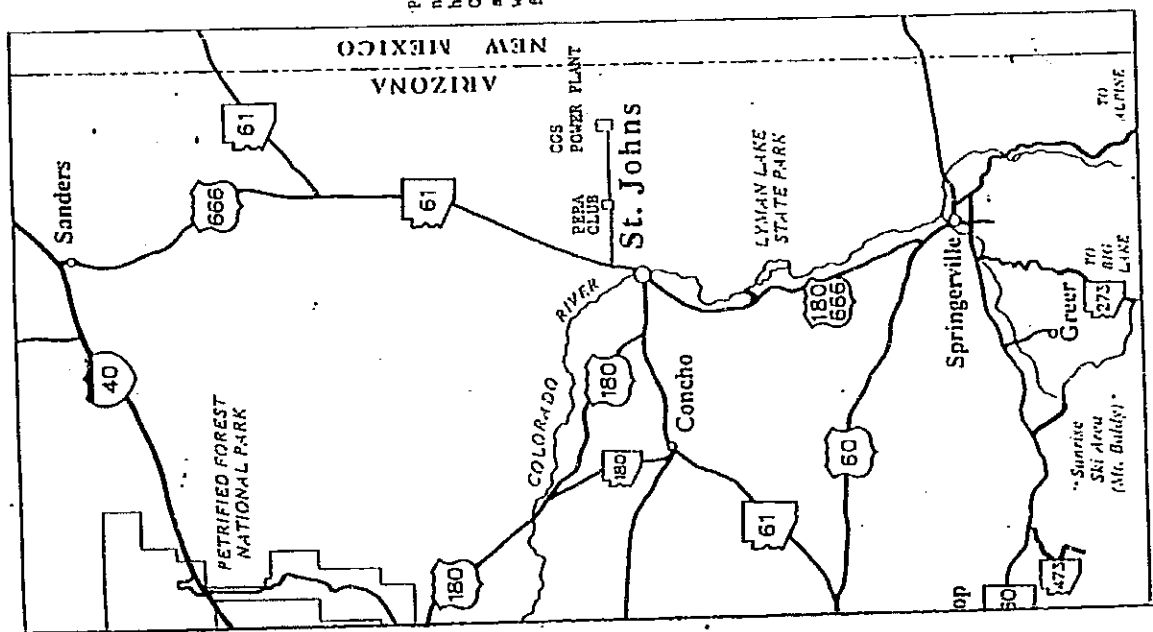
Dated this 2nd day of June 1997

**OIL AND GAS CONSERVATION COMMISSION**

Steven L. Rauzi  
Oil and Gas Program Administrator

**PLEASE ADVISE ME ASAP IF YOU WILL NOT BE ATTENDING THIS MEETING**

Title II of the Americans with disabilities Act prohibits the Oil and Gas Conservation Commission from discriminating on the basis of disability in its public meetings. Individuals with disabilities who need a reasonable accommodation to attend or communicate in the Commission's meeting, or who require this information in an alternate format, may contact the Program Administrator to make their needs known. Requests must be made at least 72 hours in advance so that the Commission will have sufficient time to respond.





Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

416 W. Congress, Suite 100  
Tucson, Arizona 85701  
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Larry D. Fellows  
Director and State Geologist

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**OIL AND GAS CONSERVATION COMMISSION**

416 West Congress #100  
Tucson, Arizona 85701

Minutes of Meeting  
March 14, 1997

Present:

Dr. J. Dale Nations, Chairman  
Ms. Lisa C. Worthington, Vice-Chair  
Mr. James C. Lanshe, Member  
Mr. Zed Veale, Member  
Dr. Larry D. Fellows, Director and State Geologist  
Mr. Steven L. Rauzi, Oil and Gas Program Administrator

The regular Commission Meeting of March 14, 1997, was called to order by Dr. J. Dale Nations, Chairman, at 10:00 a.m. in Room 400, State Capitol Tower, Phoenix, Arizona.

APPROVAL OF THE MINUTES OF THE MEETING AND EXECUTIVE SESSION OF  
JANUARY 10, 1997

Mr. Veale moved, seconded by Ms. Worthington:

THAT THE MINUTES OF THE MEETING AND EXECUTIVE SESSION  
OF JANUARY 10, 1997, BE ACCEPTED AS PRESENTED

Motion carried unanimously.

STATEMENT OF DIRECTOR AND STATE GEOLOGIST

Dr. Fellows mentioned the current CO<sub>2</sub> play near St. Johns and the possibility of holding a meeting in St. Johns. He reported that the fiscal years 1997-98 and 1998-99 budgets were approved but that IOGCC dues and travel were not approved. Dr. Fellows discussed the new FYI Series, which will include separate pages on oil and gas drilling and production and oil and gas potential in Arizona.

REPORT OF THE OIL AND GAS PROGRAM ADMINISTRATOR

The activity report of Mr. Rauzi was sent to the Commissioners and has been made a part of these minutes. Mr. Rauzi reported that three new permits were issued to Ridgeway Arizona Oil Corporation and discussed its current drilling program to delineate the extent and potential volume of carbon dioxide in the St. Johns area. He passed out a map showing the location of the wells and discussed his own preliminary estimates based on data from the discovery well and conservative porosity estimates of 8 and 10%.

ORAL PROCEEDING TO ADOPT A.A.C. R12-7-104 AND R12-7-183 AS AMENDED

Dr. Nations opened the floor for comments and discussion on the proposed rulemaking. No oral comments were received.

Mr. Lanshe moved, seconded by Ms. Worthington:

THAT THE COMMISSION ADOPT THE FINAL RULEMAKING ON  
A.A.C. R12-7-104 AND R12-7-183

Motion carried unanimously.

CALL TO THE PUBLIC

Mr. Paul Buff announced Mr. John Haas's retirement from the BLM on March 3. He reported that interest in leasing 300,000 acres of public land was received and that the next lease sale should be held soon. The last lease sale was in June 1995. Mr. Buff pointed out that lease rentals on public land are split 50-50 between the federal government and the state.

The Commission requested Mr. Steadman to look into how revenues generated on public lands that come back to the state are distributed and to look into the process by which revenues generated on State Trust land are earmarked to the School of Mines at the University of Arizona, which has undergone substantial changes in structure and function. The Commission thought that these funds might possibly be earmarked for field inspections and geologic investigations on State Trust land.

ANNOUNCEMENTS

Dr. Nations reported that he attended the recent IOGCC meeting in Las Vegas. He discussed the various committees and current direction and emphasis of the IOGCC.

The next meeting was scheduled for 8:00 a.m. on Friday, June 13, 1997, at St. Johns.

ADJOURNMENT

Ms. Worthington moved, seconded by Mr. Veale:


THAT THE MEETING BE ADJOURNED

Oil and Gas Conservation Commission Minutes    March 14, 1997

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Motion carried unanimously. Time of adjournment was 11:45 a.m.

APPROVED

  
Dr. J. Dale Nations  
Chairman

GUESTS IN ATTENDANCE:

Marc T. Steadman    Office of the Attorney General  
Paul J. Buff        Bureau of Land Management





Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

416 W. Congress, Suite 100  
Tucson, Arizona 85701  
(520) 770-3500



Larry D. Fellows  
Director and State Geologist

June 4, 1997

To: Oil and Gas Conservation Commissioners

From: *SLR* Steven L. Rauzi, Oil and Gas Program Administrator

Re: Activity Report for June 13, 1997, Meeting

Ridgeway Arizona Oil Corporation has now completed the 11 wells in its current delineation program. The wells are currently being tested both before and after hydraulic fracturing, including the 3-1 State well, which was drilled and completed in September 1995. Information on the wells, including completion report, wire-line logs, drill-stem tests, core samples and analyses, and results of completion testing are not due in this office for up to 30 days after completion. As a result, none of this information will be due to be filed with this office until sometime in July or August, and, as of this date, none has yet been filed with this office. Ridgeway's presentation, therefore, will be informative and provide an advance overview of the data obtained from, and the results of, its current drilling program.

The only other item of note is that the Governor's Regulatory Review Council approved the two time-frame rules that you adopted in your March meeting. These two amended rules will become effective when they are filed with the Secretary of State.

I would caution the Commissioners to be careful to not discuss any business at the luncheon after the meeting so as to comply with the open meeting law and avoid any appearance of impropriety or conflict. I talked to Karen Baerst at the Attorney General's Office about this and she suggested that the Chairman announce at the adjournment of the meeting that the Commission is not allowed and would not discuss any matters of business at the R.S.V.P. luncheon following the meeting. I have attached a copy of the two pages she faxed to me about this issue. Please call if you have any comments.

Finally, I have reserved a room in each of your names at the Days Inn in St. Johns. The reservation is good until 6:00 p.m.

See you in St. Johns.

June 16, 1997

Memo: File  
From: *SLR* Steven L. Rauzi  
Re: Taping incident, OGCC meeting in St. Johns on June 13, 1997

Ridgeway Arizona Oil Corporation's hostess, Carmen West, turned our tape recorder off without our consent and without advising us at the beginning of the presentation by Don Riggs. I interrupted this and kept the tape recorder going. Carmen told me that Mr. Riggs' did not want his part of the meeting on tape. After the meeting, Carmen apologized to me for turning off the tape recorder.

At the break following Stephen Melzer's discussion about CO<sub>2</sub> in the Permian Basin, Don Riggs' insisted that the tape recorder be turned off because Ridgeway was going to discuss proprietary information. After a short discussion between Don Riggs, Dale Nations, Marc Steadman, and myself, the tape recorder was turned off for the remainder of Ridgeway's presentation and turned back on for the adjournment of the meeting.

8:30

DD welcoming, Highway Del  
Rigg. Success of

Introduce members of Commission

LDF - No formal report. Brief  
statements. Glad to see so  
many people - Chance to learn about  
AZCS. 5th state legislator - ...  
go back to ST 1881

Brow	no
Brunhale	↓
Flake	↓

Joe Lane not here, but closely informed  
OACA reg. duties OCAP attracts  
to AZCS provide support  
BC appt by Governor  
Wells ex officio  
AZCS works closely with Lane  
Headman recognizes

Lauzi - Hands on responsibility

LDF brief see exhibits

Blank spaces not enough dully  
in A2

Brychunas about AZCS.

Thanks for coming.

Dennis Wells - new st. land comm.  
in Jan 1st 06 mty. hoped to be  
involved. st. land dept very int in  
potential of CO<sup>2</sup> + this area. Sign  
to state land dept - ratio for educat  
87% of land admintion → K-12  
Much debate about education  
Extend invitation to stop in +  
see State Land Dept

SLR - Rodriguez Hewells looking  
forward to say

2 rules adopted March on  
June 3

Don Riggs - welcome to St John  
3rd largest CO<sub>2</sub> in NA could  
be 2

CO<sub>2</sub> industry grown tremendous  
CO<sub>2</sub> problem for O&G producers  
Ruckin 1944 ~~was~~ inspected oil well found  
CO<sub>2</sub> not expected. Later - stories  
about project

"Man seeks oil finds tar sands in  
St John" article in newspaper  
story stuck in the tonalite

Now have enough info  
to inform public not drilling for  
tonalites

Past 5 years Steve

2.14, 2.5AR, AF, BOM  
Shell series of 5 short courses  
annual CO<sub>2</sub>

Parker + Parly - sy

Deister →

Keller + O'Brien

Steve Kelyer

'Background on the CO<sub>2</sub> Flooding  
Industry'

Flood -

CO<sub>2</sub> flooding → more like liquid than  
gas

Why CO<sub>2</sub> flooding

Mixes oil

Thus oil moves more mobile

More plitiferous & expensive than methane  
Soluble in water

Can move through water to oil

History of CO<sub>2</sub> Flooding

Growth Industry - later jobs in TX

Need infrastructure to deliver CO<sub>2</sub>, need pipeline  
to fields

38 projects in 96 <sup>6/2</sup> → 44 <sup>4/4 other</sup> 97

17 jobs for every \$1 Billion  
Net benefits  
\$32.5 million a year  
552 jobs

Call to Public

Options Can recover CO<sub>2</sub> after flood?

Large reserve will it affect price

% of loss to % capacity

Time frame

Break

① John M. <sup>Michael</sup> Richardson - J Bar K Inc.

18 1/2 mi<sup>2</sup>

② George Scott III

#221 x

③ George Scott II

Largest blow tested - 9 day

④ Don Regg - Future of CO<sub>2</sub> & future of St. Johns  
Long drawn-out process - large infrastructure  
needs to be built. Need gathering system  
central point

Employment - Engineers  
Service people

DP Helium estimates? Do

3-8 miles wells apart

⑤ Steven Melyer

⑥ Don Regg - Investigation



Environmental Impacts? Not that I know of

Shell Oil - Houston

Bakkenfield

AEP Energy

Coke Industries

Centron (Fiberglass)

Will Bros.

Ruck - \$6 million on project, raised  
\$20 million

A document

Wells - Where money goes

State Trust Land - funds → Dept of E&E

→ school district - spread evenly

local district or

Advisement

Lisa Wanthony moves, Zed Veale second

No business with OC & C.

Meeting all eyes

**OIL AND GAS CONSERVATION COMMISSION**

416 West Congress #100  
Tucson, Arizona 85701

Minutes of Meeting  
June 13, 1997

**Present:**

Dr. J. Dale Nations, Chairman  
Ms. Lisa C. Worthington, Vice-Chair  
Mr. Zed Veale, Member  
Mr. J. Dennis Wells, State Land Commissioner  
Dr. Larry D. Fellows, Director and State Geologist  
Mr. Steven L. Rauzi, Oil and Gas Program Administrator

- o The regular Commission Meeting of June 13, 1997, was called to order by Dr. J. Dale Nations, Chairman, at 8:30 a.m. at the Pera Prairie Schooner facility, St. Johns, Arizona.

30 APPROVAL OF THE MINUTES OF THE MEETING OF MARCH 14, 1997

Ms. Worthington moved, seconded by Mr. Veale:

THAT THE MINUTES OF THE MEETING OF MARCH 14, 1997, BE  
ACCEPTED AS PRESENTED

Motion carried unanimously.

STATEMENT OF DIRECTOR AND STATE GEOLOGIST

- 34 Dr. Fellows described the Arizona Geological Survey and its relationship to the Oil and Gas Conservation Commission. He discussed the several prepared exhibits showing the general geology, land status, and location of Ridgeway Arizona Oil Corporation's wells in southern Apache County and noted that several informative brochures were available.
- 84 Mr. Wells addressed the audience and reported that the State Land Department was very interested in the potential development of carbon dioxide in the area. He discussed the revenues that are generated from State Trust Land and noted that a significant portion of the income goes into funding K-12 education.

REPORT OF THE OIL AND GAS PROGRAM ADMINISTRATOR

- 110 Mr. Rauzi reported that Ridgeway had finished its 11-well drilling program and was now testing the wells. He noted that no results had yet been filed with the Commission.

PRESENTATION BY DON RIGGS, RIDGEWAY ARIZONA OIL CORPORATION

*Carmen West turned tape off @ 127. I turn back on, thru Melzer talk.*  
124 Mr. Riggs presented a brief overview of the carbon dioxide (CO<sub>2</sub>) industry and Ridgeway's CO<sub>2</sub> project before introducing Mr. Stephen Melzer, University of Texas of the Permian Basin. Mr. Melzer discussed the use of CO<sub>2</sub> to increase oil recovery in the Permian Basin and described its economic impact there. From this, he extrapolated the potential economic impact of CO<sub>2</sub> development in southern Apache County. He described the several source and potential source areas of CO<sub>2</sub> in North America in comparison to the CO<sub>2</sub>-flood areas including the potential CO<sub>2</sub>-flood areas in southern California.  
176-end  
0-214

*Riggs insist tape off = Scott to discuss proprietary info.*  
[tape off] Mr. John Richardson summarized the land status in the CO<sub>2</sub> project area. Mr. George Scott III summarized the geology of the project and described the cores and logs in one of the wells. He explained the use of hydraulic fracturing to improve production in wells. Mr. Walter Ruck summarized the funding of and cost of the project.

Mr. Riggs closed the presentation with a discussion of the infrastructure needed to produce and get the CO<sub>2</sub> to markets in southern California including construction and employment needs.

CALL TO THE PUBLIC

Questions and answers were included in the presentation by Ridgeway Arizona Oil Corp.

214 ANNOUNCEMENTS

None.

220 ADJOURNMENT

Ms. Worthington moved, seconded by Mr. Veale:

THAT THE MEETING BE ADJOURNED

Motion carried unanimously. Time of adjournment was 11:15 a.m.

APPROVED

*[Signature]*  
Dr. J. Dale Nations  
Chairman

Riggs - 3<sup>rd</sup> possibly 2<sup>nd</sup> largest CO<sub>2</sub> field in NA. Should know in next 6 mo.

Melzer - 1<sup>o</sup> usu. 40% OOIP, 2<sup>nd</sup> w/ flood, 3<sup>rd</sup> CO<sub>2</sub> flood. [reduce vis + surf tension]

- .65-.75 @ Denver City - includes transportation costs.
- Can't emphasize value of infrastructure enough. [pipe to area, thru area]
- Upgrade Cortez line to 1.2 bcf/d / Bravo 400 mmcf/d + Sheep 200 mmcf/d = 600 mmcf/d.
- Probable peak CO<sub>2</sub> delivery to PB ~ 1.7 bcf/d.
- TRRC formula 17 job / \$1 mm wellhead revenue
- translate to St. Johns source field @ .15/mcf CO<sub>2</sub> value @ wellhead  
+ cost operating field: dehydrate + compress .15/mcf + prob lot higher  
= \$32 mm/yr @ \$17 job/\$1 mm = 544 jobs. Exclude the sales
- #'s not available for St. Johns yet but maybe 4-5 tcf range.

Richardson - % land ownership. Q = #'s firm? Only 11 wells so don't hold

GIII - 899, 900, 902 not adequately tested <sup>b(212)</sup> anybody to court.  
= big, big gas @ > 1 mmcf/d

- 22-1X core & 20-26% R/P 46 mcf
- 600 mcf/d natural, small frac @ 3 mmcf/d, & large frac @ 5-10 mmcf/d
- Summarized geologic structure map. used 25 tons on 22-1X.

GII - Noted orig. est. 4-5 tcf. Results so far still indicates 4-5 tcf.  
- summary well data used for work map of play area.

Kuck - Raised \$20 mm, spent \$6 mm on project

Riggs - Longest blow tested was 9 days + Press increased thru out

- Establish production @ St. Johns long, draw-out process.
- Large infrastructure: pipelines, gathering system, plant, technical personnel
- Too early for helium estimates. Gauge vol when large CO<sub>2</sub> volume produced.
- Unitize to get away from too much regulation, consolidate tracts, facilitate Dev.
- Compression: 70-1000 hp. 1 yr enrgy. 2 yr cost. [3-5 yr time-frame]
- No environmental impacts from CO<sub>2</sub>.
- Introduce Shell Oil, Houston + Bak. AERA Energy Bak.  
Koch Industries; Mobil, Centron, Will Bros.
- feeling good, as tall as Georgia Pine about project.

Final audience Question: A Good time to buy Ridgway Pet Stock?

Biegelow - Apache Co. also feel good, as tall Pine. will help build roads, etc.

- Sen. Brown also feel as tall Pine.



Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

416 W. Congress, Suite 100  
Tucson, Arizona 85701  
(520) 770-3500



Larry D. Fellows  
Director and State Geologist

June 4, 1997

Mr. Don Riggs  
Vice President  
Ridgeway Arizona Oil Corp  
P.O. Box 1110  
St. Johns, Arizona 85936

Re: Oil and Gas Commission meetings and open meeting law

Dear Mr. Riggs:

I am writing to follow up and clarify our discussion about the referenced subject this morning. We fully understand the need for Ridgeway Arizona Oil Corporation to RSVP to anticipate the number of people attending for planning purposes. However, the Oil and Gas Conservation Commission must and intends to comply with the open meeting law for its meeting preceding the RSVP luncheon and field demonstration. The open meeting law requires all meetings of a public body to be public and that all persons desiring to attend shall be permitted to attend and listen to the deliberation and proceedings.

As a result, the Chairman of the Commission intends to announce during or at the adjournment of the open meeting to the effect that all business is concluded and that the Commission will not discuss any potential business at the RSVP luncheon or field demonstration.

Do not hesitate to call if you have any comments.

Sincerely,

Steven L. Rauzi  
Oil & Gas Program Administrator

c Oil and Gas Commissioners, Larry D. Fellows

6-4-97.

Catman West, Ridgeway calls: RSUP = advise her of open mts but ok to RSUP for lunch & trip @ adjournment of mts. invitations to Thursday night hosting @ PERA to be left @ Mtd.

Don Riggs, Ridgeway calls: Lisa Worthington causing problems with open mts insistence. Advise it's not Lisa but State law & OGCC careful to comply. Don will call Lisa & get her commitment for PERA, which require her call by Friday.

Julie Rule calls: 602-491-2977. Question about annual mts and invitations. explain that OGCC mts are open to public and no RSUP required. But that RSUP may be required for the luncheon and field demonstration following the meeting. She was calling on behalf of her husband.

Call Jon Fieser, Marc Steadman, Kevin Ray & leave msg about open mts law. lv msg w/ Lynn, Kevin's secretary, 542-8046 & explain question.

Maken Baerst, AGO, 602-542-7789 returns call = on open mts committee

- works w/ Rose Ellen McDonnell.

- ARS 38-431

RSUP

2 questions - ① night before function, ② a luncheon after mts.

① is biggest problem.

No business may be discussed & even if only 2 present.

= Front-page test, the appearance of impropriety.

• if someone complains burden is on OGCC to show that no business was discussed.

② = two issues:

Open mts issue = Announce @ adjournment that OGCC cannot and will not discuss any business @ the RSUP luncheon & demonstration

Gift issue = possibly consider payment to RAOC for actual cost of meals.

## Department of Administration - Personnel Administration

- a. The deceased elected official met the qualifications for eligibility listed in subsection (A) or would have met the qualifications upon the completion of the term of office in which the deceased elected official was serving at the time of death; and,
  - b. The surviving spouse is receiving a monthly survivor's retirement check from the Public Safety Retirement System; and,
  - c. The surviving spouse makes application for the life insurance benefit within 30 days of the death of the incumbent elected official.
- D. Termination of coverage. The insurance coverage of either a former elected official or the surviving spouse of a former or incumbent elected official who allows payment of the premium to become delinquent shall terminate at 11:59 p.m. on the last day of the period covered by the last premium paid.

## Historical Note

Adopted effective August 2, 1989 (Supp. 89-3).

## R2-5-420. Flexible or cafeteria employee benefit plan

- A. Eligibility. All state employees who are eligible to participate in the state's employee insurance programs, other than the short-term disability program, are enrolled in the flexible or cafeteria employee benefit plan, in accordance with 26 U.S.C. 125, Internal Revenue Code of 1986, incorporated by reference herein and on file in the Office of the Secretary of State and A.R.S. § 38-651.05.
- B. Short-term disability insurance. An election to pre-tax short-term disability premiums shall be made by signature on an authorization form, prior to pre-taxing the premiums.
- C. Pre-taxing of plan premiums. The method of the subtraction of premiums for health and supplemental life insurance from gross salary prior to the deduction of federal and state income taxes and social security taxes, resulting in the pre-taxing of premiums for the health and supplemental life insurance plans, shall not be changed or cancelled until the end of the plan year, except for a change in family status or a change of the spouse's employment.
- D. Corresponding change in premiums. A change in family status or a change of the spouse's employment, which results in the modification of the pre-taxing of premiums, shall also result in a corresponding change in the premium amount being deducted.
- E. Automatic disenrollment. A participant is automatically disenrolled from this plan if the participant loses status as an eligible employee.
- F. Plan Administrator. The Department of Administration is responsible for the administration of the plan, including determining the type of plan, the structure of the plan and the components thereof.
- G. Responsibilities for plan operation. The plan administrator shall have sole authority to amend or terminate, in whole or in part, this plan at any time. The plan administrator shall have sole responsibility for effecting the salary reductions.
- H. Scope of authority. The plan administrator shall have sole responsibility for the administration of this plan, including, but not limited to, the following:
  - 1. To construe and interpret the plan, decide all questions of eligibility and determine the amount, manner and time of payment of any benefits hereunder; and
  - 2. To prescribe procedures to be followed by eligible employees who desire to enroll in the plan.

## Historical Note

Adopted effective August 2, 1989 (Supp. 89-3).

## R2-5-421. Recognition leave

- A. Definition. "Recognition leave" means a period of paid leave granted by an agency head as an acknowledgment of exemplary employee service or extraordinary contributions to accomplishing the agency's goals.
- B. Granting leave. Recognition leave may be granted by an agency head in accordance with the provisions of this rule and the following schedule:

Number of Permanent Positions Assigned to Agency	Maximum Number of Hours Awarded Per Year
1-100	16 hrs
101-200	24 hrs
201-500	32 hrs
501-1500	48 hrs
1501-2999	96 hrs
3000-5999	192 hrs
6000-7999	288 hrs
8000 or more	384 hrs

- C. Use of recognition leave. Recognition leave shall be taken during the calendar year granted.
  - 1. If the recognition leave is not used during this original eligibility period, a single nonrenewable extension period of 60 calendar days may be granted by the agency head.
  - 2. If the recognition leave is not taken during the original eligibility period or the extension, it shall be forfeited.
- D. Movement to another agency. An employee who moves to another State Service agency shall transfer any unused recognition leave to the employee's recognition leave account in the new agency, subject to the requirements of R2-5-421(C).
- E. Separation. An employee who separates from State Service shall be paid for all unused recognition leave at the employee's current rate of pay.
- F. Approval. Each agency shall submit its proposed recognition leave process and any subsequent changes to the Director for approval. The process shall include as a minimum:
  - 1. Criteria for consideration for recognition leave;
  - 2. Nominating procedures;
  - 3. Categories of recognition utilized by the agency; and
  - 4. Recommendation procedure, with final approval by the agency head.

## Historical Note

Adopted effective February 28, 1991 (Supp. 91-1).

## ARTICLE 5. CONDITIONS OF EMPLOYMENT

## R2-5-501. Standards of Conduct

- A. General. In addition to statutorily prohibited conduct, a violation of the standards of conduct listed in subsections (B), (C), and (D) below is cause for discipline or dismissal of a state service employee.
- B. Required conduct. State Service employees shall:
  - 1. Maintain high standards of honesty, integrity, and impartiality, free from any personal considerations, favoritism, or partisan demands.
  - 2. Be courteous, considerate, and prompt in dealing with and serving the public.
  - 3. Conduct themselves in a manner that will not bring discredit or embarrassment to the state.
  - 4. Comply with state laws and rules.
- C. Prohibited conduct. State Service employees shall not:
  - 1. Use their official position for personal gain, or attempt to use, or use, confidential information for personal advantage.

2. Permit themselves to be placed under any kind of personal obligation which could lead any person to expect official favors.
  3. Perform any act in a private capacity which may be construed to be an official act.
  4. Accept or solicit, directly or indirectly, anything of economic value as a gift, gratuity, favor, entertainment, or loan which is, or may appear to be, designed to influence the employee's official conduct. This provision does not prohibit acceptance by an employee of food, refreshments, or unsolicited advertising or promotional material of nominal value.
  5. Directly or indirectly use or allow the use of state property of any kind, including property leased to the state, for other than official activities.
  6. Engage in outside employment or other activity which is not compatible with the full and proper discharge of the duties and responsibilities of state employment, or which tends to impair the employee's capacity to perform the duties and responsibilities in an acceptable manner.
  7. Inhibit a state employee from joining or refraining from joining an employee organization.
- D. Employee rights. An employee shall not take any disciplinary or punitive action against another employee which impedes or interferes with that employee's exercise of any right granted under the law or these rules. Any employee or agency representative who is found to have acted in reprisal toward an employee as a result of the exercise of the employee's rights is subject to discipline, as defined in R2-5-801. Such discipline is to be administered in accordance with state and federal laws affecting employee rights and benefits.

## Historical Note

Adopted effective December 31, 1986 (Supp. 86-6).  
Amended effective April 20, 1995 (Supp. 95-2).

## R2-5-502. Hours of Work

- A. State service work week. The state service work week is the period of seven consecutive days starting Saturday at 12:00 a.m. and ending Friday at 11:59 p.m. An agency head may apply to the Director to grant an exception for all or part of an agency workforce. Exceptions may be granted by the Director to promote efficiency in the state service.
- B. Hours of employment. Each agency head shall determine the hours of employment in the work week for each agency employee.
- C. Flexible work schedules. If, in an agency head's discretion, it is determined that the agency's existing services can be maintained by employees working a 40-hour work week in a flexible work schedule, the agency head shall offer this option to the affected employees.

## Historical Note

Adopted effective December 31, 1986 (Supp. 86-6).  
Amended effective September 15, 1994 (Supp. 94-3).

## R2-5-503. Performance Planning and Evaluation System

- A. General. The Performance Planning and Evaluation System established by the Director outlining the responsibilities of the employee and the standards for carrying out these responsibilities shall be used to evaluate the performance of all state service employees. An agency head may adopt alternate employee performance appraisal systems, subject to the approval of the Director as being job-related.
- B. Frequency.
  1. Permanent status employees shall be evaluated at least annually.

2. Probationary status employees shall be evaluated at least twice in the probationary period, normally at the end of the third and fifth months.

## Historical Note

Adopted effective December 31, 1986 (Supp. 86-6).

## ARTICLE 6. CHANGES IN ASSIGNMENT

## R2-5-601. Promotion

- A. General. All promotions shall be competitive unless the Director approves a non-competitive promotion as being in the best interests of the state service.
- B. Qualifications. An employee shall not be promoted unless:
  1. The employee has attained permanent status in the state service or will attain it by the closing date of the competitive announcement. For open continuous announcements, the employee must attain permanent status on or before submitting an application; and,
  2. The employee meets the minimum qualifications for the class.

## Historical Note

Adopted effective December 31, 1986 (Supp. 86-6).

## R2-5-602. Transfer

- A. Intra-agency transfer. An agency head may transfer an employee to a position in the same pay grade.
- B. Interagency transfer. Upon the request of an employee, the employee may transfer to a position in the same pay grade in another state service agency, with the approval of the head of the gaining agency.
- C. Qualifications. A transferred employee must meet the minimum qualifications for the class to which transferred.
- D. Limitation. An employee appointed to a position through selective certification shall not be transferred from that position during the probationary period without the prior approval of the Director.
- E. Transfer of function.
  1. Between state service agencies. If part or all of the functions of an agency are transferred to another agency, all employees in the positions affected shall be transferred to the gaining agency.
  2. From non-state service agencies. If part or all of the functions of a non-state service agency are transferred to the state service, all of the affected employees of the agency shall be offered state service employment on a non-competitive basis in the functional area transferred. Any of these employees who have not completed six months of related experience shall serve a 90-day original probationary period under the rules set forth in R2-5-213(C)(2) and (3).

## Historical Note

Adopted effective December 31, 1986 (Supp. 86-6).

## R2-5-603. Detail to special duty

- A. General. An agency head may detail a permanent status employee to special duty to a covered position in the same or another class within the agency as provided below:
  1. If the detail is for four months or less, the detail may be made non-competitively.
  2. If the detail is for more than four months, the detail shall be made competitively in accordance with these rules, unless the Director approves a non-competitive detail.
- B. Duration. The length of the detail shall not exceed one year, unless extended by the Director.





Fife Symington  
Governor

State of Arizona  
**Arizona Geological Survey**

416 W. Congress, Suite 100  
Tucson, Arizona 85701  
(520) 770-3500



Larry D. Fellows  
Director and State Geologist

May 15, 1997

The Honorable Fife Symington  
Governor of Arizona  
1700 W. Washington St.  
Phoenix, Arizona 85007

Dear Governor Symington:

We invite you or your representative to participate in the June 13 meeting of the Arizona Oil and Gas Conservation Commission in St. Johns. The purpose of the meeting is a briefing by the Ridgeway Arizona Oil Corporation about the status of its carbon dioxide drilling and testing program between St. Johns and Springerville. To date 10 wells have been drilled and shut-in; 2 more wells are yet to be drilled. Upon completion of the drilling, a program to test the volume of carbon dioxide present will be undertaken. We are optimistic that there may be sufficient carbon dioxide to make a substantial impact on the economy of that area and bring in additional revenue to the State of Arizona.

The Arizona Oil and Gas Conservation Commission, attached administratively to the Arizona Geological Survey, is responsible for regulating the drilling and production of oil, gas, helium, and geothermal resources in Arizona.

Another purpose of the meeting, which is open to the public, is to inform the residents of the area about this exciting project. We are working closely with the Apache County Economic Security Corporation and Ridgeway Arizona Oil Corporation to achieve this objective. About 150 members of the public will be invited. After the meeting, Ridgeway is planning to provide lunch and bus transportation to one of the wells.

A brief summary by you about the importance of this type of resource development to a rural community and the State would be welcomed.

The meeting will be held at the Salt River Project Employee's Recreation Association (PERA) Club, about 7 miles northeast of St. Johns. It is scheduled to begin at 8:30 a.m. We look forward to your response.

OIL AND GAS CONSERVATION COMMISSION

*Larry D. Fellows*  
for  
J. Dale Nations  
Chairman

*Joe Lane advises LDF 6/3/97 that  
GO not able to attend.*

Steve —  
7/2/97  
See you in St. Johns!  
Zed



STATE OF ARIZONA  
EXECUTIVE OFFICE

FIFE SYMINGTON  
Governor

April 18, 1997

Mr. Zed Veale  
3605 Paradise Road  
Flagstaff, Arizona 86004

Dear Zed:

The State of Arizona and I are grateful that you have agreed to be reappointed to the Oil and Gas Conservation Commission. One of the satisfactions of holding office is the opportunity to recognize outstanding citizens by keeping them in positions of leadership within our State government.

In order to finalize the appointment, please sign and have your signature acknowledged before a Notary Public on each enclosed Loyalty Oath. Return the completed forms to this office addressed to Stephanie Ashcroft, Special Assistant; Boards and Commissions. Be sure to return all three copies of the Loyalty Oath as we will have them signed by the Secretary of State; after which, our office will send you one original back along with your certificate.

It is important to return all of your papers in a timely fashion as the properly completed paperwork constitutes your legality for board rulings, actions and overall participation.

I wish you the very best and thank you for your service to Arizona.

Sincerely,

A handwritten signature in dark ink, appearing to read "Fife Symington".

Fife Symington  
GOVERNOR

FS: sa  
Enc.

*(Personals & Notes, continued from Page 12)*

the Western Hemisphere. Olson will be responsible for managing CMS NOMECO's exploration activities around the world. Olson held increasingly responsible exploration management responsibilities for Atlantic Richfield Co from 1974 to 1996. Most recently, he was exploration manager of Vanco Energy Co in Houston.

Fischer will be responsible for managing all of CMS NOMECO's operations in the U.S. and Latin America. He was previously senior vice president of Blazer Energy (formerly Ashland Exploration) and held a progression of operations management responsibilities for Ashland since 1987.

Shell Continental Companies (formerly known as Shell Western E&P Inc) has formed Shell CO<sub>2</sub> Co as its business unit for managing and marketing CO<sub>2</sub> supplies and applied technology. Tim Bradley, previously manager of CO<sub>2</sub> marketing, will serve as the company's president, responsible for all aspects of CO<sub>2</sub> marketing, engineering and production operations. Other members of the Houston-based company's management team are Chuck Fox, chief engineer; Russell Martin, director, business development; Andrea Jordan, chief financial officer; and Rex Thompson, operations manager.

The North Dakota Industrial Commission has moved offices to 1600 East Interstate Avenue, Bismarck. The commission's mailing address remains the same at 600 East Boulevard Avenue, Bismarck, North Dakota 58505-0840. New phone number is (701) 328-8020.

The Potential Gas Committee, Colorado School of Mines, has published *Potential Supply of Natural Gas in the United States* (April 30, 1997), a report of its estimates of U.S. natural gas resources at the end of 1996. Cost is \$100.00. PGC also has published *Comparison of Estimates of Natural Gas Resources in the United States*, a comparison of six sets of natural gas resource estimates published by industry and government. Cost is \$40.00. Both reports are available in a set for \$125.00. For more information, call John B. Curtis at (303) 279-4320.

Items for inclusion in the Personals & Notes section of the Rocky Mountain Region Report should be sent to Petroleum Information/Dwights, P.O. Box 2612, Denver, CO 80201, Attention: Editor. Fax number is (303) 595-7506. Internet address: jim.anderson@pidwights.com.

→ @ OGCC 6-13-97 mtg w/ Kim Holloway

W. KEITH HUDSON  
DIVISION MANAGER  
PERMIAN BASIN - MID CONTINENT



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(713) 932-7183

MIDLAND  
(915) 699-2466

DENVER  
(303) 630-1988

*send strat chart 6/16/97*

## Mobil

### DAVID J. MOORE

New Business Opportunities Coordinator  
West Coast/Rocky Mountain Business Unit  
MOBIL EXPLORATION & PRODUCING U.S. INC.

Mail: P.O. Box 9989  
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Shipping: 10,000 Ming Ave.  
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David\_J\_Moore@ccmepus.mobil.com

L. STEPHEN MELZER  
Director  
Petroleum Industry Alliance



THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN

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RUSSELL MARTIN  
Business Development Director

200 N. Dairy Ashford  
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SHELL CO<sub>2</sub> COMPANY  
A Division of Shell Western E&P Inc.

*With Kim Holloway*

HARVEY C. YOUNG  
Petroleum Geologist

3659 So. Newport Way (303) 758-9246  
Denver, CO 80237-1241 FAX (303) 753-0383  
*send well locations & map of RAOC wells  
on 6/16/97*

RANDALL S. SHAWELL

### MENARD ENERGY CORP.

5701 Woodway, Suite 350 Ph. (713) 266-9914  
Houston, Texas 77057 Fax (713) 266-9915

*Add to AZ Geol & send well locations  
& map on 6/16/97*

FIRST CHICAGO  
CAPITAL MARKETS,  
INC.

CARL E. SKOOG  
Vice President  
Energy & Minerals Division

One First National Plaza  
Mail Suite 0302  
Chicago, Illinois 60670-0302  
Telephone: 312 732-0880  
Fax: 312 732-3055

A subsidiary of  
FIRST CHICAGO NBD  
CORPORATION

## WILLBROS

2431 EAST 61ST STREET, SUITE 700  
TULSA, OK 74136-1267

DARYL E. SOUTHARD  
MANAGER, NEW VENTURES  
WILLBROS USA, INC.

PHONE: (918) 748-7000  
TELEFAX: (918) 748-7087  
daryl\_southard@willbros.com

TED BURNS  
2548 WESTMINSTER Circle  
BIRMINGHAM. AL. 35242  
205 -980-8888

MAPS & NAME ON LIST.  
Send well locations map 6/16/97

David W Gwynn  
Gwynn Financial  
SERVICES  
6900 E CAMELBACK  
STE 700  
SCOTTSDALE AZ  
85251

Ph. 602 947-8700

# AOGCC MTG June 13, 1997

Name

Representing

Dow Riggs

RAOC

Robert Riddle

DEF

Steve Melzar

SELF/RAOC

Eric Morle

Koch Industries

Gary Baker

" "

Vinodh Kumar

" "

Ted Randolph

Dowell

Rob Helbing

Dowell

CAKE CANNIZZANO

Self

Harvey Channing

Self

Janet Holt

Self

Marta Feltz

ATES

W.P.

RAOC

Don Willie

Ridgeway

Nancy Sandel

Aztec Well Service

Serry Sambl

Aztec Well Service

Buddy Evans

" " "

Licky Kent

ProTechnics Int'l

Samantha Williams

Schlumberger

ANITA LEPP

T.W. Cooper Inc.

Thomas Stager

"

Thomas Philipose

Schlumberger

Jay Russell

Schlumberger

Ray Johnson

N.M.O.C.D.

Bob Winfield

CHI Tower, Inc.

Tim Rick

Ridgeway

Paul Nyberg

Centron Int'l. Inc.

# AOGCC MTG JUNE 13, 1997

Name	Representing
TED BUNNIS	AMPLE RESOURCES, INC.
WALTER RUCK	RIDGEWAY
Phil Bugh	Arizona Resources
Richard Tudor	IVFESC
Clay Queeaza	Dawn Trucking
James Martin	Dawn Trucking
Justin	TRIPLE S
W.K. Bullock	Reservoirs, Inc.
W. Sauter	Wallbros
Rod Rendon	ACO Excavating
Carlos Jessop	VERANDA
Ted Jessop	Gila County REPARC
Dennis Wells	AZ. State Land Dept.
Zed Veale	Oil & Gas Comm
Jim O'Leary	TRIPLE S
DAVE VOYTEK	APACHE COUNTY OBSERVER
GAYLAND TUCKER	DAWN TRUCKING
John	Ransom Hall Sheppard CPAs
James Hall	Mobil Oil
George L. Scott Jr.	Scott Exploration Inc, Roswell, NM
Sharon Scott	" "
David J. Moore	Aera Energy LLC, Bakersfield, CA
Lisa Worthington	AOGCC
SHANE HALL	RANSOM HALL & SHEPPARD, CPA
Maryna Udall	Shyng Bay Ranch
Deek Udall	
Em J. Horta	Ridgeway

# AOGCC MTG 6-13-97

NAME	Representing
Jim Crosby	Same
Harris Crosby	for Harris Crosby
Ross W. Overton JR	City Council
Cathy Cosgrove	Emerg. Servs, Apache Co.
Anna M. Prentice	County Assessor Apache
Melody Copps	Apache Co. Assessor's Office
R.S. Shawoll	MENARD ENERGY
Kimi Holloway	Shell CO2 Company
Russell Martin	Shell CO2 Company
Michael J. Evans	Navapache Electric
A. Madaw Day	Francis Day & Sons
Marc Steadman	Arizona Attorney General,
LaVone Ashcroft	Cogan Town Council
Brandon R. Crosby	John R. Crosby BC SEPTIC
Heraldine Davis	White Mt Independent
E. E. Smith	Self.
R. Bruce Overton	St Johns Police Dept.
W. Lee Hill	" " " "
THOS. P. H. H. H.	DHN Corp.
JULIE RULE	RE Management Group
JERRY RULE	FOX INVESTMENTS
CHARLES BRADBURN	SHERIFF'S OFFICE
Dee Dee Dier	CBC, INC.
W. Lee Hill	CBC Inc.
Barbara Preston	Bank One
Al Anderson	St Johns United Drug
WAYNE R. BARNES	TUCSON Elec Power Co.



# AOGCC MTG 6-13-97

Name	Representing
Amber Charkman	St. Johns Chamber of Commerce
Keith Shreve	Shreve & Assoc Inc.
Steve Anderson	City of St. Johns
Jim DeHaven	MPL International, Inc.
Laurel J. Fisher	Nielsen Drilling
CARLOS GONZALES	
Tom Whiting	Salt River Project
Jose Verdugo	Frontier State Bank
Ann Hall	Apache Co Clerk
Gladys Jaramilla	Apache City Sheriff's Office
CARL SLOAN	First Chicago Capital Mkts
Bill Lee	SRP/CGS
Greg Chavira	St. Johns City Council
Jack A. Brown	State Senator St. Johns
C. Art Lee	Apache Co Sheriff
David A. Brown	Brown & Brown
Tom White	Apache Co Dist. 2
John R. Smith	✓
Clarence Biggs	✓
Gregory Buck	" "
Ernest Prange	Bridgeway Rd.
Roy Lynn	Springville
Andy Braker	Springville Councilman
Greg Seibel	Brown & Assoc. Insurance
DAVID GUNYON	Powell
	Gwynn Financial Services/Fox & Co.

AOGCC MTG 6-13-97

Name

Representing

Russell H. Burdick, Jr.  
Tom Hansen

Apache County Atty.  
Lucson Electric Power

107

6-11-97 Call Marta Pollack, she will have PA system  
Be there @ 8:00 to help set up.

Cahole Kunkle calls from St. Johns to ask about mtg.  
She is owner of Raven Site ruin  
Advise her is open mtg and welcome to attend. RSVP lunch.  
FAX OGCC agenda to Mike Meixler.

6-13-97 OGCC mtg in St. Johns. RADC apprehensive about tape. Shuts  
tape off at beginning of Riggs presentation.

6-16-97 Riggs calls, ass in bind over tape but apologize. Strictly observe  
bmo confidential, Koch, Shell, M&T, etc have confidential agreements.  
with loss tests etc. Advise him I have none of this info to begin with.  
Then minutes of mtg. = several & send him copy.

6-24-97 Call Apacua Co. Observer. They ran pictures last week &  
story this week. Planned to run story last week but had  
to make changes. Will send me a copy of both issues

5/15/97 finalize letter to Governor for LDF sig.  
fax Commissioner's listing to Martha Pollack  
copy DGCC w/ Governor's letter.

Call ADOT facility in Globe - Christina @ 425-32411  
- can leave cat in lot.  
- Floyd, maintenance Supervisor lives on grounds.

6/2/97 Lisa calls, concerned about RAOC RSUP. She called to  
RSUP + include husband + children (3) + that only invitees  
could attend. Inform her I would talk to RAOC  
& let them know that mts open to public + that RSUP  
for luncheon + field demonstration only.

6/4/97 Carmen West, RAOC calls, RSUP DGCC, etc. Making name plates  
Advise her of open mts law.  
Don Riggs, RAOC calls, Lisa causing problems w/ open mts.  
Advise state law, not Lisa.  
Julie Rule calls about invitation to DGCC mts.  
\* Confer with AGO + write letter to Riggs.

6/5/97 Call Martha Pollack about Recording device.  
We will bring out own also.  
two tables w/ podium between.  
100-150 chairs, room bigger if necessary. No problem.  
Easels to be provided for LDF charts.  
Plans to video record presentation for Co. mngs etc.  
Will fax me floor plan. = Received @ 3:45p.

6/9/97 Don calls with question about renewing expired permit.  
Call Dan Clay + he will not be able to attend mty.  
Call + leave msg w/ Martha about sound + use of easels

6/10/97 Call Schlumberger, Fabm. Jay Plattform Express include resistivity,  
porosity + lithology logs. will be in St. Johns for day + pony.

5/8/97 Meet w/ Don Riggs @ St. Johns

- Plans to serve steaks for lunch ~ 150 invitees
- Discussion of CO<sub>2</sub> statistics by University of Texas
- Geologic presentation by George Scott III
- Reservoir Description by Reservoir's Inc
- Land status by Landman
- Drilling, testing, operations by Riggs.
- Field trip to well, DS cement track on view.
- leave draft copy of June 13 agenda w/ Riggs.

---

5/12/97 Fax draft agenda w/out Executive session reference to J. Date Nations, Marta Pollack, and Don Riggs.

---

5/13/97 Call Marta Pollack

- She will advise of final invitation count = 150
- Will send invite to Governors office
- Jackie Vich @ Committee.

---

draft invite letter to Governor for Date's signature

- note importance to community
- potential economic impact

---

Date calls & Dennis Wells plans to attend

- room available? reserved?
- Call Lisa + she will stay at cabin in Alpine
- her room (one of 8 reserved) available to Wells.

---

5/14/97 Fax draft letter to Date for comment

4-4-97 Call Marta Pollack

she made contact w/ PARA club = OK

Minimal cost ~ \$10,00

Don Riggs will arrange for Shuttle Vans w/ est. of #  
Will get list to me shortly.

---

4/14/97 Dale recommends AIPG field trip in conj. w/  
OGCC mtg in June to Bill Greenstate, AIPG President.  
→ this field trip will probably not take place

---

5/8/97 Don Riggs advises June 13 meeting becoming  
dog + pony show. ~150 invites plus President  
Shell Oil CO<sub>2</sub> Unit, Business Mgt Planning Mobil Oil,  
Williams Pipeline, Tulsa, UT talk about CO<sub>2</sub> stats.  
→ cant surf on 900 by tomorrow morning.

---

Call Marta Pollack

- add Mayors St Johns, Springerville, Eagar
- she prepared list of VIPs for Don Riggs
- Grand Opening

⇒ She will have ① recording device  
② podium  
③ head table

5-8-97

Don Riggs

Finished 10-16-31 @ 2728'

Moved to 12-15 (900)

Should begin by noon & ready to cut by morning.

150' am hour w/ air  $\therefore$  900' by morning.

Blow out was Walter's turn

Flowed well on choke  $\approx$  2.4 mm cfpd

had to weight up, i.e. fill hole with 9.5 mud to turn CSG.

How gauge well? Choke Size + Pressure (+14.65)  $\div$  18 = Choke Coefficient  
Sp gr. methane = .6  $\text{CO}_2$  = 0.14 - 0.15

How collect samples? Stainless steel chambers valve on each end.  
purge several times  
close outlet & pressure up  
send to lab

= using three labs Mitchell = 99.4% (midland = State of art)  
Feed = 99.114%  
another = 98.9%

$\Rightarrow$  advise to discuss gauging & analysis @ insts.

On - meeting turning into doc & perm possibly 200 people  
Marta has list 16 pages long

Offer to let OGCC use office for formal business

$\rightarrow$  will check but prob just approve minutes & turn over

- expect President Shell Oil  $\text{CO}_2$  unit  
Business Manager Planning Mobil Oil  
Williams Pipeline Tulsa

- Talk by University of Texas: Computed  $\text{CO}_2$  benefit for Majors  
Specific # on  $\text{CO}_2$   
54 mmbbl recovered  $\text{CO}_2$  floods Perm Basin

Riggs, page 2 5-8-97

Noted that State Senator was in his office the other day  
asked about capital investment

= \$ Billion

Yes, it can provide 7 TCF to major capital available

As of May 1 = 4.5 tcf

made by reserve engineering firm in NM

10-26-29 State = TD @ 3160'

10-16-31 State = TD @ 2728'

5-8-97 call Marta Pollock.

- add Majors of ST John, Springville, Easer to agenda list.
- She had prepared list of VIPs in Apache Co. (= 16 page list)  
Don to invite to Grand Opening  
Changed - time restrictions  
took list over & generate dialogue w/ Don  
She will formulate invitation for list  
advise to conduct mtg at that time
- She will have recording device  
podium  
head table

Draft agenda to Don



3-26-97.

Call Martha Pollack, ACES Corp. 337-2644.

Advise of tentative OGCC mtg June 13 in St. John.

Recommend PARA Club (Project Employees Recreation Assoc)

Finest facility in St. Johns + Happy to accommodate  
have all necessary facilities + equipment.

About 7mi outside of St. Johns on SRP access rd.

Have affordable catered lunches

Fix lunches for generating station + just make extras.

Recommend inviting

(1) Board of Supervisors

(2) Representatives from District 3

Senator Brown - St. Johns

Fleke

Debra Rinhall

→ may not be able to make it but @ least invite.

Will send me list of addresses

Majors of {Springville  
St. Johns

Post in St. Johns + Springville ?

8 rooms 6/12/97

Publish in paper ?

Cost of Mtg @ RARA?

\* Call + hold 8 rooms @ Days Inn (337-4422) for June 12 on 3/27/97  
\$31 plus tax

St. Johns  
Phone • 602-337-2644  
520  
Fax • 602-337-2646

337-2003



Flagstaff/Springerville  
Phone/Fax • 602-333-5469  
520

April 8, 1997

Mr. Steven L. Rauzi  
Oil and Gas Administrator  
Arizona Geological Survey  
416 W. Congress, Ste. 100  
Tucson, AZ 85701

Dear Mr. Rauzi:

Attached you will find the list of individuals we discussed who would be interested in the progress of our local Ridgeway project. I have also enclosed the map to the PERA Club, just outside St. Johns. As you requested, arrangements are already made to conduct the meeting at the PERA Club and coffee and juice will be made available. The cost will be minimal and

\* ACES will take care of it.

Just advise me prior to the meeting what arrangement or set up you would prefer. If you will need any equipment, overhead or VCR, in addition to a podium.

Please call if I can assist. We are excited about the proposed project and the impact it could have on our regional effort.

Sincerely,

Marta L. Pollack  
Economic Development Director

Enclosures

JUN 05 '97 15:44 APACHE COUNTY ANNEX 602-337-2003

P.1/2

APACHE COUNTY  
75 West Cleveland P.O. Box 428  
St. Johns, Arizona 85936  
Telephone No. 520-337-4364

County Manager Fax 520-337-2003  
Chinle Office Fax 520-674-5944 Ganado Office Fax 520-755-3226

DATE: 6/5/97 TIME: \_\_\_\_\_  
TO: Steve Rauzi FAX #: 520-770-3575  
FROM: Marta Pailack TELE #: \_\_\_\_\_  
TELE #: 520-337-2644

SUBJECT: \_\_\_\_\_

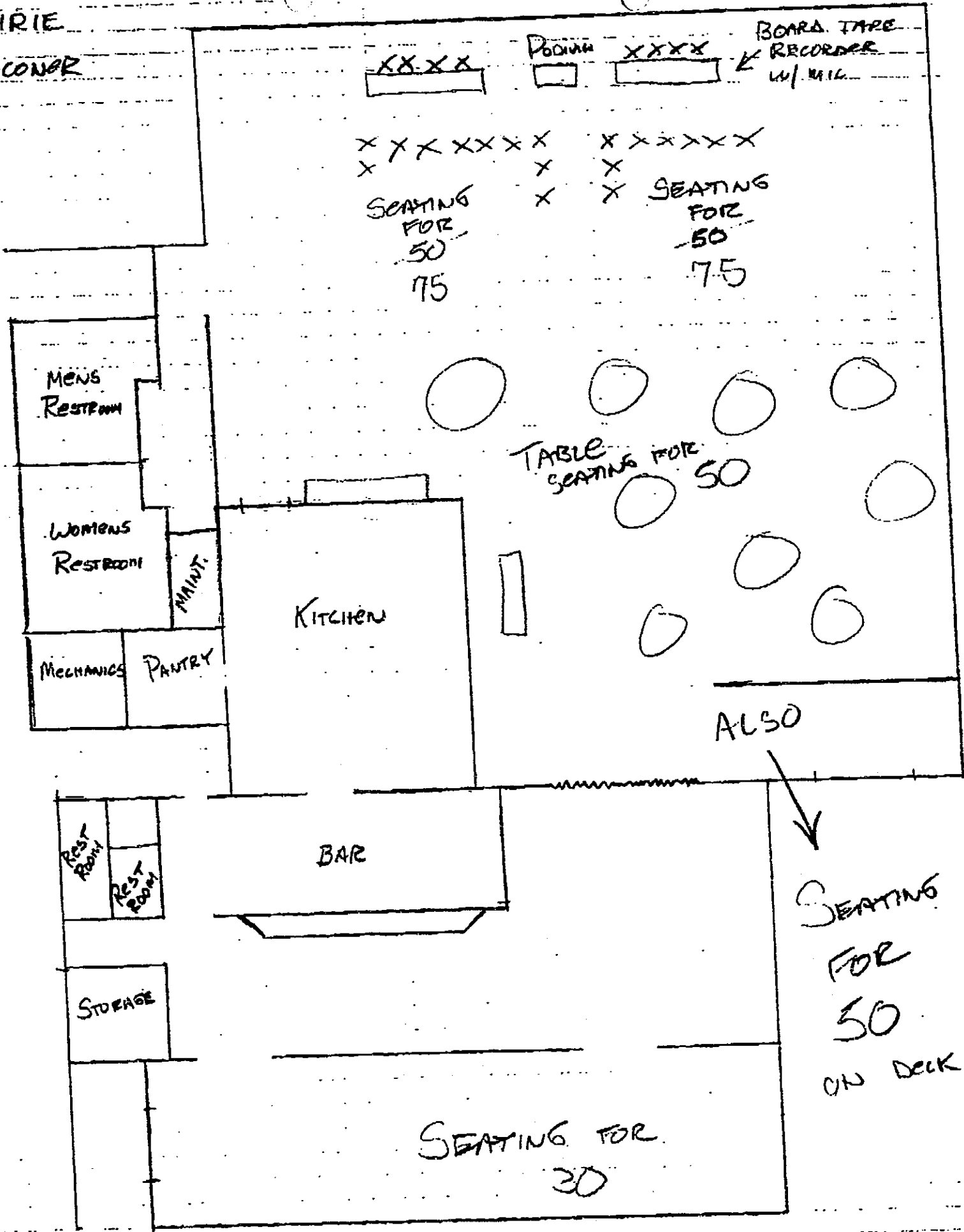
NUMBER OF PAGES TRANSMITTED (INCLUDING COVERSHEET): \_\_\_\_\_

☐ Reply Requested ☐ For Your Approval ☐ As You Requested  
☐ No Reply Necessary ☐ For Your Information

Let me know re: sound.



RAIRIE  
SCHONER



Fax to Mike, Days Inn St. Johns, 337-4126

Of the 8 rooms I have reserved for Thursday night, June 12, please keep one room reserved in my name and replace my name with the following names for the other rooms. Thank you. Please call if you have any questions.

Reservations for Thursday night, June 12, 1997

1. Steve Rauzi
2. Larry Fellows
3. Rose Ellen McDonnell
- ~~4. Donald Clay~~ Cancel reservation 6/9/97.
5. Dale Nations
6. Zed Veale
7. Dennis Wells
8. Marc Steadman

Thank you, Steve Rauzi, (520) 770-3500

None smoke

Faxed 6/4/97



Fife Symington  
Governor

TO: DON RIGGS

State of Arizona  
**Arizona Geological Survey**

416 W. Congress, Suite 100  
Tucson, Arizona 85701  
(520) 770-3500



Larry D. Fellows  
Director and State Geologist

**NOTICE OF PUBLIC MEETING**

**OIL AND GAS CONSERVATION COMMISSION**

Pursuant to A.R.S. § 38-431.02, notice is hereby given to the members of the Oil and Gas Conservation Commission and to the general public that the Oil and Gas Conservation Commission will hold a meeting open to the public on June 13, 1997, at 8:30 a.m. at the Prairie Schooner facility, Coronado Generating Station access road, St. Johns, Arizona.

The agenda for the meeting is as follows:

1. Call to Order
2. Approval of the Minutes of Meeting of March 14, 1997
3. Statement of Director and State Geologist
4. Report of Oil & Gas Program Administrator
5. Presentation by Don Riggs, Vice President, Ridgeway Arizona Oil Corp.
6. Call to the public
7. Announcements
8. Adjournment

A copy of the agenda background material provided to Commission members is available for public inspection at the Oil and Gas Program Administrator's office, 416 West Congress, Suite 100, Tucson, Arizona 85701.

The public will be afforded an opportunity to comment on any item on the agenda; however, at the beginning of the meeting, the Commission may vote to set up a time limit on individual comments.

Dated this 2nd day of June 1997

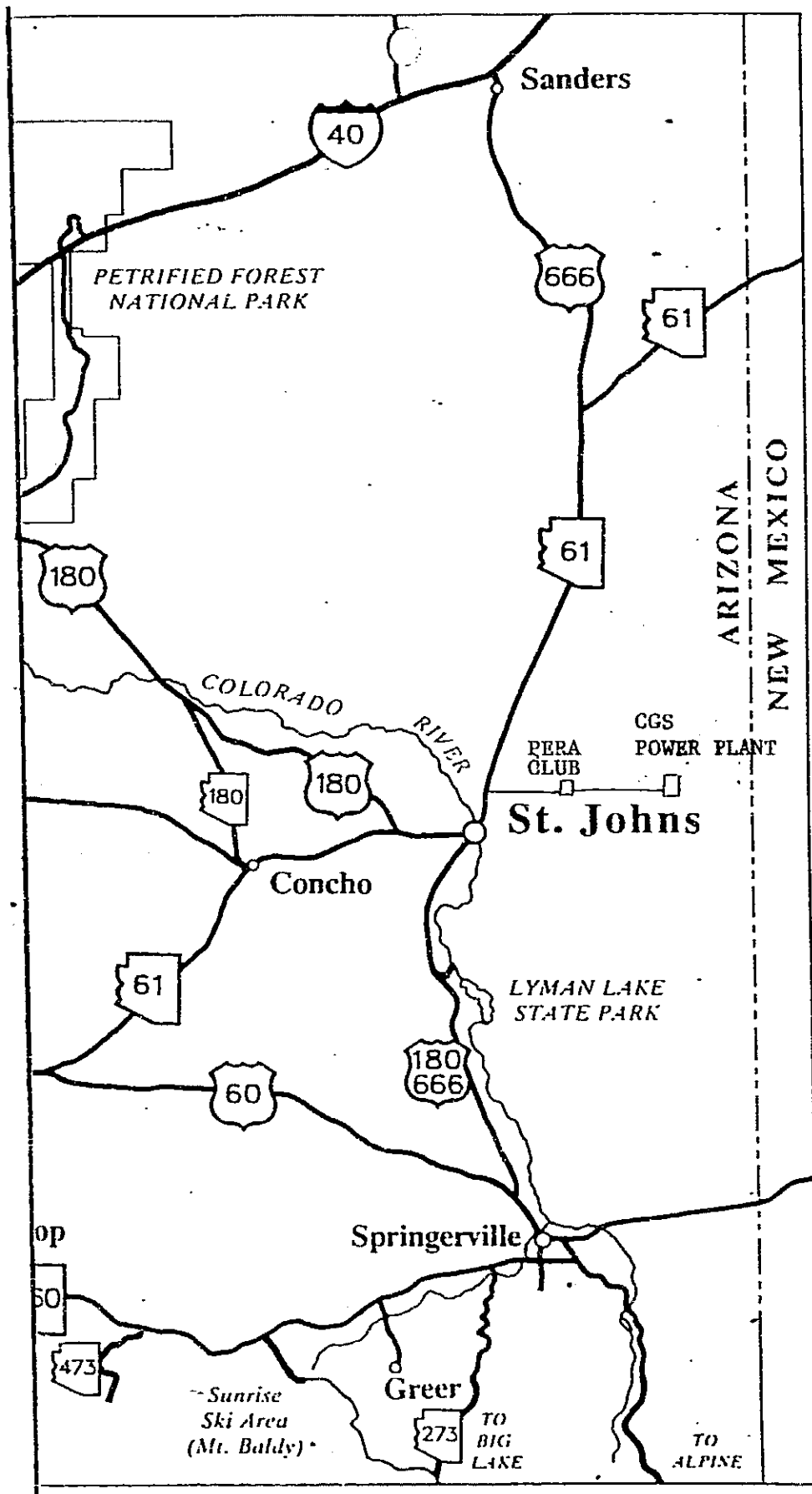
**OIL AND GAS CONSERVATION COMMISSION**

*Steven L. Rauzi*

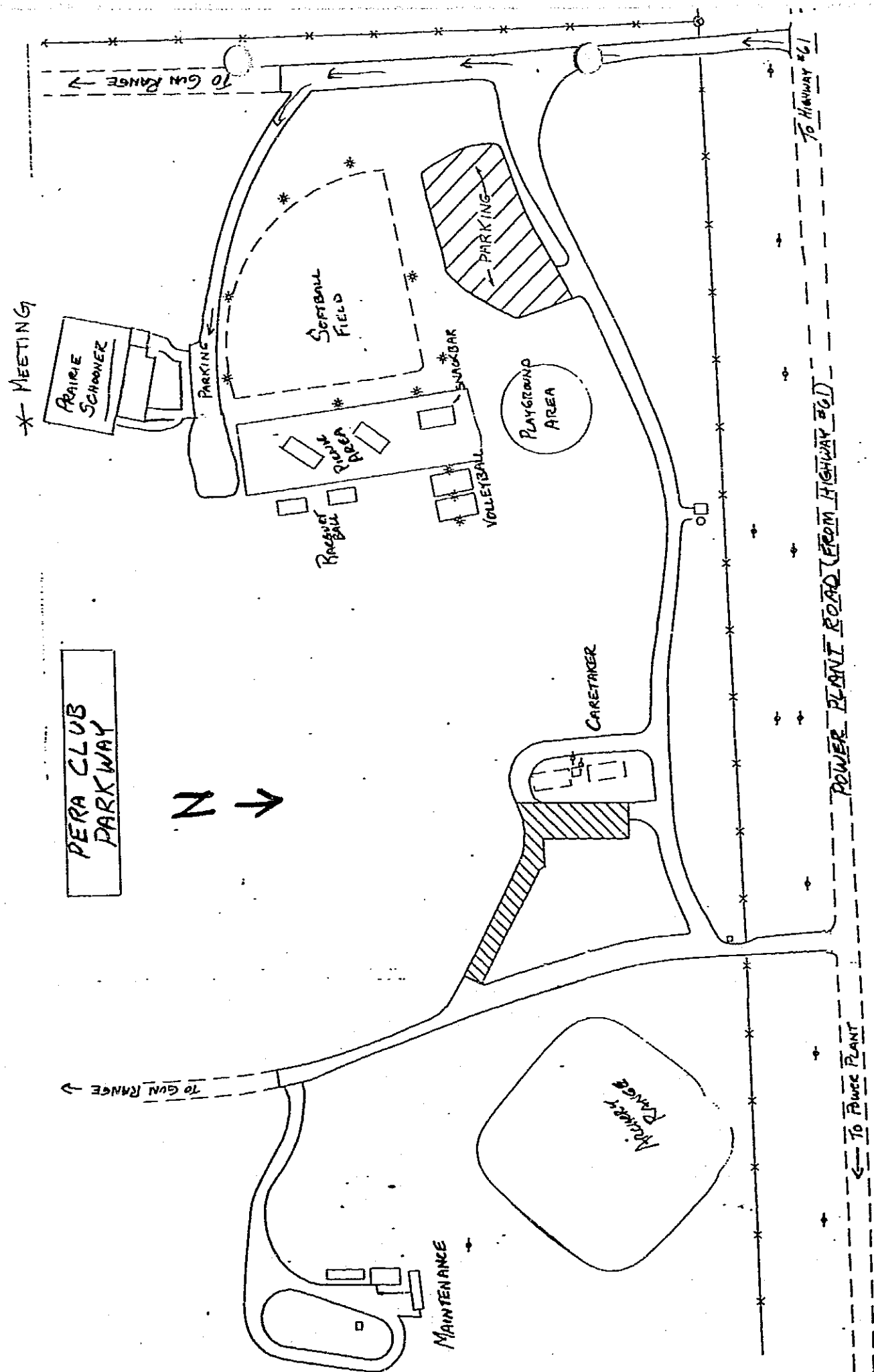
Steven L. Rauzi  
Oil and Gas Program Administrator

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Fax 6/4/97



PERA CLUB: Located about 5 miles northeast of St. Johns off highway 61. Turn right at the Coronado Generating Station sign and the PERA Club Parkway will be visible about 1 mile further on the right hand side.





Mr. Bill Rihs, Plant Manager  
Salt River Project  
P O Box 1018  
St. Johns, AZ 85936

Clarence Bigelow  
Apache County  
P O Box 538 428  
St. Johns, AZ 85936

Mr. Arthur N. Lee, County Supervisor  
P O Box 1420  
Eagar, AZ 85925

Mr. Bill Greenwood, ACES President  
P O Box 1300  
Eagar, AZ 85925

ARIE HOEKSTRA  
TUCSON ELECTRIC POWER  
P O BOX 2222  
SPRINGERVILLE AZ 85938

JACK HUSTED, ADOT Board Member  
ROUND TABLE PIZZA  
P O BOX 107  
SPRINGERVILLE AZ 85938

Supervisor Joe Shirley  
District I  
P O Box 994  
Chinle AZ 86503

Supervisor Tom M. White, Jr.  
District II  
P O Box 994  
Ganado AZ 86505

Martin Moore, Director  
Development and Community Services  
P O Box 428  
St. Johns AZ 85936

Senator Jack Brown  
AZ State Senate Office Bldg.  
1700 W. Washington  
Phoenix, AZ 85007

Senator <sup>James</sup> Henderson, Jr.  
AZ State Senate Office Bldg.  
1700 W. Washington  
Phoenix, AZ 85007

Rep. Jake Flake  
House of Rep. Office Bldg.  
1700 W. Washington  
Phoenix, AZ 85007

Rep. Debra Brimhall  
House of Rep. Office Bldg.  
1700 W. Washington  
Phoenix, AZ 85007

Mayor <sup>St John</sup> Sam Booth  
PO Box 455  
St. Johns AZ 85936

Springville <sup>Vearld</sup> Haynes  
PO Box 390  
Springville AZ 85938

Eagar <sup>Saudta</sup> Burk  
PO Box 1300  
Eagar AZ 85925

Fax to: Marta Pollack ✓  
337-2003

Fax to: Don Riggs ✓  
337-3162

DRAFT

NOTICE OF PUBLIC MEETING

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Dated this 30th day of May 1997

**OIL AND GAS CONSERVATION COMMISSION**

Steven L. Rauzi  
Oil and Gas Program Administrator

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5-12-97

Fax to J. Dale Nations ✓

523-9220

DRAFT

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Dated this 30th day of May 1997

**OIL AND GAS CONSERVATION COMMISSION**

Steven L. Rauzi  
Oil and Gas Program Administrator

**PLEASE ADVISE ME ASAP IF YOU WILL NOT BE ATTENDING THIS MEETING**

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5-12-97

FAX TO: Marta Pollack, ACES  
FROM: Steve Rauzi

\*\* There will be a total of 9  
in our group.



STATE OF ARIZONA  
EXECUTIVE OFFICE

FIFE SYMINGTON  
Governor

OIL & GAS CONSERVATION COMMISSION  
A.R.S. §27-514

Dr. Donald W. Clay  
4357 Charro Lane  
Yuma, AZ 85365

726-1000 (O)  
Term Expires: 1/17/00  
Replaced: Jan C. Wilt

James C. Lanshe  
8620 North 58 Place  
Paradise Valley, AZ 85253

234-5555 (O)  
Term Expires: 1/18/99  
Replaced: James Warne

Dale Nations  
520 N. Bertrand  
Flagstaff, AZ 86001

774-2542 (H) / 526-4561 (O)  
Term Expires: 1/15/01  
Replaced: Reappointment

Zed Veale  
3605 Paradise Road  
Flagstaff, AZ 86004

779-0051 (H) & (O)  
Term Expires: 1/17/02  
Replaced: Reappointment

Lisa C. Worthington  
1501 E. Captian Dreyfus Ave  
Phoenix, AZ 85a022

863-3096 (H)  
Term Expires: 1/19/98  
Replaced: Barbara Murphy

Also include exofficio member: J Dennis Wells  
State Land Commissioner  
1616 W. Adams St.  
Phoenix, AZ 85007

Steven L. Rauzi  
416 W. Congress, #100  
Tucson, AZ 85701

Program Administrator  
770-3500 (O)

Rev. 4/18/97

5/15/97