

OIL & GAS CONSERVATION COMMISSION
— MINUTES OF MEETING (JANUARY 20, 2012) —
STEVEN L RAUZI, OIL & GAS ADMINISTRATOR

NOTICE OF COMBINED PUBLIC MEETING AND POSSIBLE EXECUTIVE SESSION

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 January 20, 2012, at 10:00 a.m. in Room 321 of the State Land Department Building located at 1616 West Adams Street, Phoenix, Arizona 85007.

The agenda for the meeting is as follows:

1. Call to Order
2. Approval of Minutes of Meeting of July 15, 2011
3. Conflicts of interest
4. Report of Oil & Gas Administrator about new permits and drilling activity
5. Five-year review of oil and gas rules
6. Status of Ridgeway Arizona Oil Corporation drilling program between St Johns and Springerville and possible report from a representative of Ridgeway
7. Report about Interstate Oil & Gas Compact Commission annual meeting in New York
8. Call to the public: This is the time for the public to comment. Members of the Commission may not discuss items that are not on the agenda. Therefore, action taken as a result of public comment will be limited to directing staff to study the matter or scheduling the matter for further discussion and decision at a later date.
9. Announcements
10. Adjournment

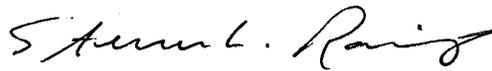
The Oil and Gas Conservation Commission may vote to go into Executive Session, pursuant to A.R.S. § 38-431.03(A)(3) or (4), which will not be open to the public, to consult with its attorney and receive legal advice with respect to any regular agenda item listed on this agenda.

A copy of the agenda background material provided to Commission members (with the exception of material relating to possible executive sessions) is available for public inspection at the Oil and Gas Administrator's office, 416 West Congress, Suite 100, Tucson, Arizona 85701.

The public may 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 12th day of January 2012

OIL AND GAS CONSERVATION COMMISSION



Steven L. Rauzi
Oil and Gas Program Administrator

Persons with a disability may request a reasonable accommodation such as a sign language interpreter, by contacting Steve Rauzi at (520) 770-3500. Requests should be made as early as possible to allow time to arrange the accommodation. This document is available in alternative formats by contacting Steve Rauzi at (520) 770-3500.

OIL AND GAS CONSERVATION COMMISSION

416 West Congress #100
Tucson, Arizona 85701

Minutes of Meeting
July 15, 2011

Present:

Dr. J. Dale Nations, Chairman
Mr. Robert L. Wagner, Vice-chairman
Mr. Stephen R. Cooper, Member
Mr. Steven L. Rauzi, Oil and Gas Program Administrator

Dr. Nations, Chairman, called the regular Commission Meeting of July 15 to order at 10:00 a.m. in Room 321, State Land Department Building in Phoenix, Arizona.

APPROVAL OF THE MINUTES OF THE MEETING OF APRIL 15, 2011

Mr. Wagner moved, seconded by Mr. Cooper:

THAT THE MINUTES OF THE MEETING OF APRIL 15, 2011, BE ACCEPTED AS PRESENTED

Motion carried unanimously.

CONFLICTS OF INTEREST

None

HEARING ON RIDGEWAY ARIZONA OIL CORPORATION REQUEST FOR 160-ACRE SPACING FOR CARBON DIOXIDE AND HELIUM GAS WELLS IN THE ST JOHNS GAS UNIT

At 10:01 a.m. the hearing regarding Ridgeway Arizona Oil Corporation concerning 160-acre spacing for carbon dioxide and helium gases in the St. Johns Gas Unit started. Mr. Tom White, Field Operations Manager for Ridgeway, presented evidence for approval of 160-acre spacing. No one opposed the request. An official transcript of the hearing is presented separately.

Mr. Wagner moved, seconded by Mr. Cooper:

THAT THE REQUEST OF RIDGEWAY ARIZONA OIL FOR 160-ACRE SPACING BE APPROVED

Motion carried unanimously by roll call vote. The regular meeting resumed at 10:20 a.m.

REPORT OF THE OIL AND GAS 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 33 new permits were issued and 31 stratigraphic wells were drilled since the April meeting. He further reported that three companies have permitted 56 and drilled 41 wells in their ongoing potash delineation program since the beginning of the year. Mr. Rauzi provided a graph showing that more permits were issued so far in 2011 than were issued since 1967 when the Dineh-bi-Keyah Field was discovered.

Mr. Rauzi reported that Southwest Exploration/Passport Potash has two rigs working and has drilled 19 wells west and southwest of Petrified Forest National Park, HNZ Potash has one rig working and has drilled 15 wells southwest and east of Petrified Forest National Park, and American West Potash has two rigs working and has drilled seven wells east of Petrified Forest National Park. Mr. Rauzi explained that

the potash wells required a permit from the Oil and Gas Conservation Commission because they penetrated the Coconino Sandstone, which has produced helium in that area. He explained that wells were being drilled within the recently authorized park boundary because even though the United States Congress authorized the expanded boundary it never authorized funds to purchase those lands.

Mr. Rauzi reported that Arizona Natural Gas Storage (ANGS) asked the Federal Energy Regulatory Commission to terminate its pre-filing review process regarding its proposed natural gas storage facility in the Picacho Basin because ANGS determined that the financial viability of the project is questionable at this time.

REVIEW OF DRILLING PERFORMANCE BONDS

Mr. Rauzi discussed the status of bonds currently on file with the Oil and Gas Conservation Commission.

REPORT ON INTERSTATE OIL & GAS COMPACT COMMISSION MEETING IN NORTH DAKOTA

Dr. Nations reported on his attendance at the mid-year IOGCC meeting in North Dakota June 27-29. He highlighted the impacts of horizontal drilling in the Bakken Formation and the many products including CO₂ for enhanced recovery produced from coal at the Great Plains Synfuel Plant.

CALL TO THE PUBLIC

None

ANNOUNCEMENTS

The Commission scheduled its next meeting at 10:00 a.m. on October 21, 2011, in room 321 at the State Land Department Building in Phoenix.

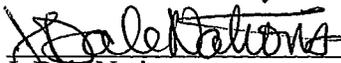
ADJOURNMENT

Mr. Wagner moved, seconded by Mr. Cooper:

THAT THE MEETING BE ADJOURNED

Motion carried unanimously. Time of adjournment was 10:42 a.m.

APPROVED


J. Dale Nations
Chairman

GUESTS IN ATTENDANCE

Mr. Curtis Cox	Assistant Attorney General
Mr. Joe Dixon	State Land Department
Ms. Jamie Hogue	Ridgeway Arizona Oil Corporation
Ms. Carmen Tanner	Ridgeway Arizona Oil Corporation
Mr. Thomas White	Ridgeway Arizona Oil Corporation

**BEFORE THE OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF ARIZONA**

In the matter of the Hearing called
by the Oil and Gas Conservation
Commission of the State of Arizona
for the purpose of considering:

CASE NO. 70
ORDER NO. 63

The application of Ridgeway Arizona Oil Corporation
to establish a rule for 160-acre spacing in the
St. Johns Gas Unit, Apache County, Arizona

ORDER OF THE COMMISSION

This case was considered at a public hearing, duly noticed and conducted in accordance with A.R.S. § 27-516(B), at 10:00 a.m. on July 15, 2011, at Phoenix, Arizona, by the OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF ARIZONA, hereinafter referred to as the COMMISSION.

The COMMISSION, a quorum being present, has considered the facts presented and is fully advised in the premises,

THEREFORE THE COMMISSION ORDERS:

THAT there be established 160-acre spacing units for the production of carbon dioxide and helium gases in the following area (Gila and Salt River Base Line and Meridian):

Township 12 North, Range 28 East: All of Sections 1, 2, 10, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 34, 35, and 36

Township 12 North, Range 29 East: All

Township 12 North, Range 30 East: All

Township 12 North, Range 31 East: All of Sections 3, 4, 5, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, 22, 27, 28, 29, 30, 31, 32, 33, and 34

Township 11 North, Range 28 East: All of Sections 1, 2, and 12

Township 11 North, Range 29 East: All of Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 34, 35, and 36

Township 11 North, Range 30 East: All

Township 11 North, Range 31 East: All of Sections 3, 4, 5, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, 22, 27, 28, 29, 30, 31, 32, 33, and 34

Township 10 North, Range 29 East: All of Sections 1, 2, 12, and 13

Township 10 North, Range 30 East: All of Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, and 36

Township 10 North, Range 31 East: All of Sections 3, 4, 5, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, 22, 27, 28, 29, 30, 31, 32, 33, and 34

Township 9 North, Range 30 East: All of Sections 1, 2, 3, 4, 9, 10, 11, 12, 13, 14, 15, 23, 24, 25, 26, 35, and 36

Order No. 63
Ridgeway Arizona Oil Corporation
Page 2

Township 9 North, Range 31 East: All of Sections 3, 4, 5, 6, 7, 8, 9, 10, 15, 16, 17, 18, 19,
20, 21, 22, 27, 28, 29, 30, 31, 32, 33, and 34

Township 8 North, Range 31 East: All of Sections 2, 3, 4, 5, and 11

All other applicable statutory and rule requirements remain in affect.

OIL AND GAS CONSERVATION COMMISSION

By J. Dale Nations
J. Dale Nations, Chairman

Date 7/20/2011

ATTEST:

Steven L. Rauzi

Steven L. Rauzi
Oil and Gas Program Administrator

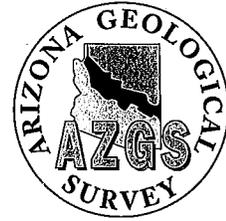
Date 7-20-2011



Janice K. Brewer
Governor

State of Arizona
Arizona Geological Survey

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



M. Lee Allison, Ph.D., R.G.
Director and State Geologist

January 12, 2012

To: Oil and Gas Conservation Commissioners

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

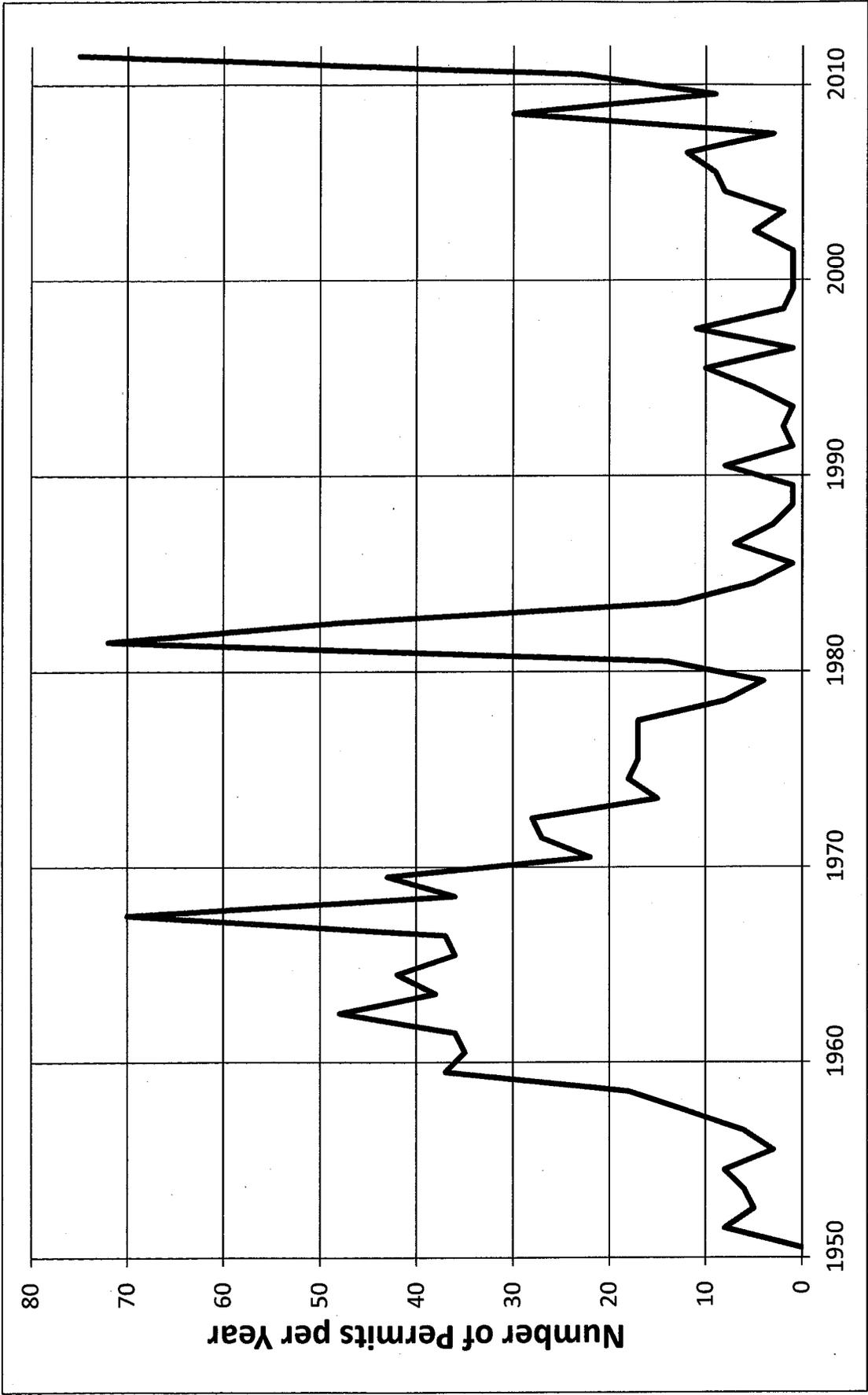
Re: Report about permits and drilling activity for the January 20, 2012, Meeting

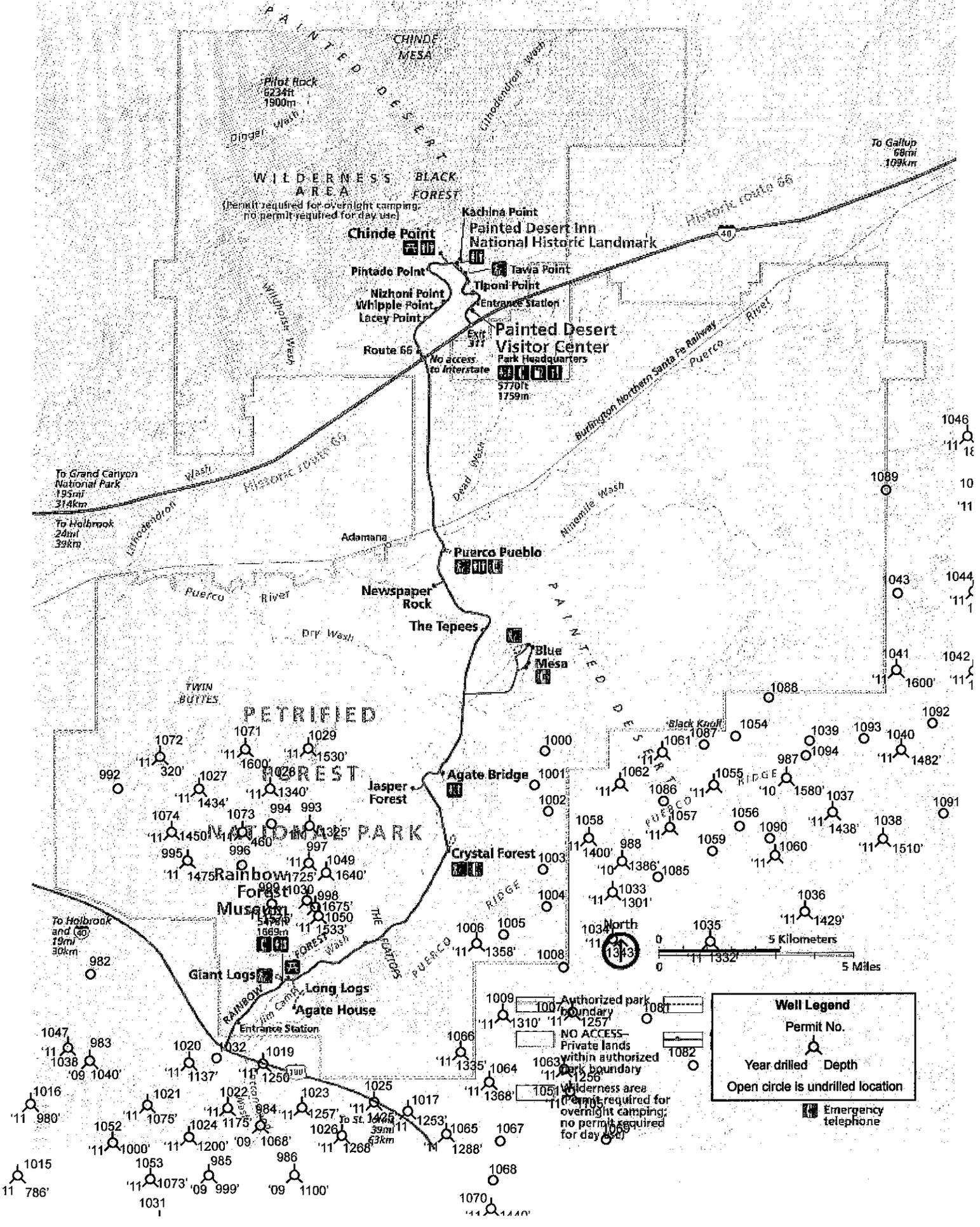
Nineteen new drilling permits were issued and 33 wells were drilled since your last meeting on July 15, 2011. For the year, 75 drilling permits were issued, which set a record for the number of permits issued in a single year as shown on the accompanying graph. All but two permits and all wells drilled were stratigraphic tests for potash. The two non-potash related permits were for obligation wells at the St Johns Gas Unit.

Three companies have drilled a total of 67 stratigraphic wells since the beginning of the year. Southwest Exploration/Passport Potash drilled 31 wells at its potash project west and southwest of Petrified Forest National Park near Holbrook. HNZ Potash drilled 24 stratigraphic wells southwest and east of Petrified Forest National Park. American West Potash drilled 12 wells at its potash project east of Petrified Forest National Park. All three companies have finished their 2011 drilling program and have plans to permit and drill additional wells in 2012. The companies are required to permit the potash test wells with the Oil and Gas Conservation Commission because the holes penetrate the Coconino Sandstone, which is a potential helium reservoir in the area of the Petrified Forest National Park.

El Paso Natural Gas Company plugged and abandoned its AGS 1-21 stratigraphic well in the Picacho Basin in December. El Paso drilled the well in 2006 to test the feasibility of storing natural gas in subsurface salt. El Paso found sufficient salt to store gas but concluded that the market demand for storage was not economical at this time.

Enhanced Oil Resources (Ridgeway Arizona Oil Corporation) announced the sale of its carbon dioxide properties between St Johns and Springerville and in adjacent New Mexico to Kinder Morgan CO₂ Company. The sale is anticipated to be completed by January 31, 2012. Four individuals from Kinder Morgan are in Tucson today and tomorrow to examine core from the Ridgeway wells that is stored at the Arizona Geological Survey.





5. A performance bond, as required by R12-7-103; and
 6. A fee of \$25.00 per well.
- B.** The Commission shall mail to the applicant, within 30 days of receipt of the application required in subsection (A), written notice of administrative completeness or a detailed list of deficiencies. Within 30 days of receipt of all items required in subsection (A), the Commission shall review the application and:
1. Issue a permit to drill, or
 2. Provide a written explanation in compliance with A.R.S. § 41-1076 to the applicant if the application is not approved.
- C.** Time-frames
1. The administrative review period is 30 days. The substantive review period is 30 days. The overall time-frame is 60 days.
 2. For the purpose of this subsection, intermediate Saturdays, Sundays, and legal holidays shall be included in the time-frame computation. The last day of the notice period shall be included in the computation unless it is a Saturday, Sunday, or legal holiday.
- D.** Unless operations are commenced within 180 days after date of approval, the permit to drill shall become null and void unless an extension in writing is granted by the Commission.
- E.** In case of imminent danger to public safety or of contamination of the environment, the Commission may authorize the drilling of an emergency relief or offset well to reduce the danger or hazard. Within 10 days of commencing an emergency relief or offset well, the operator shall file an application as required in subsection (A). No well drilled under this subsection shall be used for production unless it conforms to the provisions of R12-7-107.

Historical Note

Former Rule 103; Former Section R12-7-104 renumbered and amended as Section R12-7-105, former Section R12-7-103 renumbered and amended as Section R12-7-104 effective September 29, 1982 (Supp. 82-5). Amended effective January 19, 1994 (Supp. 94-1). Amended effective June 6, 1997 (Supp. 97-2).

R12-7-105. Change of Location

- A.** No operator shall drill a well in a location other than that authorized by the permit issued pursuant to R12-7-104 until the following requirements have been met:
1. If the operator decides to change the location before drilling the well, an amended application for permit to drill shall be filed showing the new location.
 2. If it is determined that the location is erroneously described on the permit after drilling has begun, the operator shall obtain a new permit showing the correct location.
- B.** If the new location is at an authorized point in the approved drilling unit as provided in the initial permit, the application may be made by electronic communication and the Commission may by electronic communication authorize the commencement or continuance of drilling operations. Within ten days after obtaining such authorization, the operator shall file an amended application showing the new location. An amended permit may be issued and the old permit cancelled without payment of additional fee.
- C.** If the new location is located outside the approved drilling unit covered by the initial permit, no drilling shall be commenced or continued until a new application for permit to drill is filed and approved as required by R12-7-104, including payment of an additional fee.

Historical Note

Former Rule 104; Former Section R12-7-105 renumbered and amended as Section R12-7-106, former Section R12-7-104 renumbered and amended as Section R12-7-105 effective September 29, 1982 (Supp. 82-5). Amended effective January 19, 1994 (Supp. 94-1).

R12-7-106. Identification of Wells, Producing Leases, Tanks, Refineries, Buildings, and Facilities

- A.** The operator shall mark each drilling, producing, injection, or shut-in well in a conspicuous place with the operator's name, lease name or number, well number, and the legal description of the well's location.
- B.** The operator shall mark each abandoned well as required in R12-7-127(F).
- C.** The operator shall mark all tank batteries, gasoline plants, structures, storage buildings, compressors, and compressor buildings, and all other storage or transportation equipment with the operator's name, address, telephone number, lease name or number, and location. All structures within a fenced yard may be identified by a single sign at the principal outside entrance to the yard.
- D.** The operator of a storage-well facility shall clearly mark each well with the operator's name, lease name or number, and well number. Each outside entrance to the facility shall be marked with the operator's name, address, and one or more emergency response telephone numbers.
- E.** The operator of a refinery shall mark each facility at each outside entrance with the operator's name, address, and one or more emergency response telephone numbers.
- F.** Sign lettering shall contrast strongly with the background and be large enough to be legible under normal conditions at a distance of 25 feet. The operator shall preserve these markings and keep them legible and up to date.

Historical Note

Former Rule 105; Former Section R12-7-106 renumbered and amended as Section R12-7-107, former Section R12-7-105 renumbered and amended as Section R12-7-106 effective September 29, 1982 (Supp. 82-5). Amended effective January 19, 1994 (Supp. 94-1).

R12-7-107. Spacing of Wells

- A.** Every well drilled for oil shall be located on a drilling unit consisting of approximately 80 contiguous surface acres within two governmental quarter-quarter sections or lots having one side in common, upon which there is not located, and of which no part is attributed to, any other well completed in or drilling to, the same pool.
1. In areas not covered by United States Public Land Surveys, the oil drilling unit shall consist of an area bounded by four sides intersecting at angles of not less than 85 degrees or more than 95 degrees. The unit shall contain at least 76 contiguous surface acres and its maximum dimension shall not exceed 3,000 feet.
 2. No well drilled for oil shall be located closer than 330 feet to any boundary of the drilling unit or closer than 330 feet to the shortest center line of the drilling unit.
 3. No well drilled for oil shall be located within a quarter-quarter section or lot having one side in common with another quarter-quarter section or lot upon which there is located a well completed in or drilling to the same pool.
- B.** Every well drilled for gas shall be located on a drilling unit consisting of approximately 640 but not less than 600 contiguous surface acres within one governmental section upon which there is not located, and of which no part is attributed to, any other well completed in or drilling to the same pool.

- include "D"*
1. In areas not covered by United States Public Land Surveys, the gas drilling unit shall consist of an area bounded by four sides intersecting at angles of not less than 85 degrees or more than 95 degrees. The unit shall contain at least 600 contiguous surface acres and its maximum dimension shall not exceed 8,500 feet.
 2. No well drilled for gas shall be located closer than 1,660 feet from any boundary of the drilling unit.
- C. Every well drilled for geothermal resources shall be located on a drilling unit approved or as modified by the Commission. The Commission may require modification to minimize well interference and provide the necessary volume of geothermal resources for the intended use, to protect correlative rights, and to protect the environment.
- D. If the operator drills a horizontal segment, that horizontal segment shall be located:
1. At least 330 feet from the boundary of the spacing unit in the case of an oil well;
 2. At least 1,660 feet from the boundary of the spacing unit in the case of a gas well; and
 3. As approved or modified by the Commission in the case of a geothermal well.
- E. The Commission may grant exceptions to the regular locations specified in subsections (A), (B), and (C) only after notice and hearing.
1. Applications for exception shall fully state the reasons why the exception is necessary and shall include a plat prepared and certified by a registered surveyor bearing the surveyor's certificate number showing all other completed, drilling, and permitted wells on the property and all adjoining surrounding properties and wells.
 2. Exceptions shall be granted only after the operator provides by certified mail a copy of the application to all adjoining lessees, and only after the Commission determines in a duly noted public hearing that the application is valid.
 3. The Commission may grant an exception location without notice or hearing when topography prohibits drilling at a regular location on the drilling unit.
 4. If an existing well's classification changes due to its recompletion or due to a change in the nature of the product being produced, the Commission may approve an irregular location application with supporting data and ten days' notice and hearing, provided that the operator furnish the Commission with proof of mailing of a copy of the application to all operators within a one-mile radius of the acreage to be dedicated.
- F. In order to prevent waste, the Commission may, after notice and hearing, fix different spacing requirements and require lesser or greater acreage for drilling units in any specific oil, gas, or geothermal resource pool notwithstanding the provisions of subsections (A), (B), and (C).
- G. The Commission may order pooling and integration of interests pursuant to A.R.S. §§ 27-505 and 27-666.

Historical Note

Former Rule 106; Former Section R12-7-107 renumbered and amended as Section R12-7-108, former Section R12-7-106 renumbered and amended as Section R12-7-107 effective September 29, 1982 (Supp. 82-5). Correction, paragraph (1) "No well drilled for oil shall be located within the bounds of a quarter-quarter section or lot . . ." (Supp. 82-6). Amended effective January 19, 1994 (Supp. 94-1).

R12-7-108. Pit for Drilling Mud and Drill Cuttings

- A. Each operator shall maintain an adequate supply of drilling mud to confine oil, gas, or water to its native stratum during the drilling of any well and shall provide, before drilling is commenced, an adequate pit, either earthen or portable, for the drilling mud or the accumulation of drill cuttings.
- B. An earthen pit used for drilling, deepening, testing, reworking, or fracturing shall be constructed of or sealed with an impervious material and shall be maintained to prevent escape of any contained substance. Earthen pits shall be fenced on all sides at all times.
- C. Earthen pits shall be constructed and maintained to prevent the entrance of outside runoff water and the fluid level in earthen pits shall be kept at all times at least 18 inches below the lowest point of the embankment.
- D. Any mud contained in an earthen pit shall be water-based and contain no more than one pound per barrel of thinner for each 25 pounds per barrel of barite or hematite. Mud containing chromium lignosulfonate, ferrochrome lignosulfonate or other chromium compounds shall not be used.
- E. Drilling mud shall be disposed of by either recycling or commercial off-site disposal. Mud described in subsection (D) may be disposed of by evaporation and subsequent leveling of the pits.

Historical Note

Former Rule 107; Former Section R12-7-108 renumbered and amended as Section R12-7-109, former Section R12-7-107 renumbered and amended as Section R12-7-108 effective September 29, 1982 (Supp. 82-5). Amended effective January 19, 1994 (Supp. 94-1).

R12-7-109. Repealed**Historical Note**

Former Rule 108; Former Section R12-7-109 renumbered and amended as Section R12-7-110, former Section R12-7-108 renumbered and amended as Section R12-7-109 effective September 29, 1982 (Supp. 82-5). Repealed effective January 19, 1994 (Supp. 94-1).

R12-7-110. Surface Casing Requirements

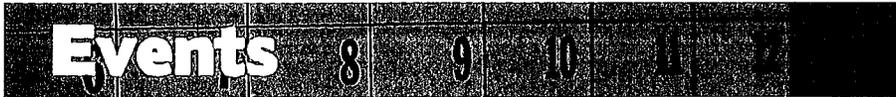
- A. Surface casing shall be set at a sufficient depth to protect and isolate all known or reasonably estimated freshwater zones and to prevent blowouts or uncontrolled flows. The surface casing shall:
 1. Be of sufficient size to permit the use of an intermediate string or strings of casing;
 2. Be set in or through an impervious formation and shall be cemented by the pump and plug, displacement, or other method approved by the Commission;
 3. Be cemented back to surface either during the primary cement job or by remedial action; and
 4. Have API-approved centralizers on the bottom three joints as a minimum.
- B. Cement shall be allowed to set a minimum of 12 hours under the lowest necessary pressure before drilling the cementing plugs or initiating tests.
- C. Surface casing shall be pressure tested for at least 30 minutes to 70% of internal yield pressure or one psi per foot of casing depth, whichever is less. If a drop of more than 10% of the test pressure should occur, the casing shall be considered defective and corrective measures shall be applied. In wells drilled with cable tools, casing may be tested by bailing the well dry. The hole shall remain satisfactorily dry for one hour before commencing further operations. Results of the above test and any remedial action shall be reported in writing to the Commission within 15 days following the test.

Location and status of Ridgeway Arizona Oil Corp wells in east-central Arizona

Permit	Well	Location Sec-Twp-Rge	Total Depth	Status and comment
880	1 Plateau Cattle	ne sw 15-12n-29e	2431 ft	Drilled 8/1994, plugged 9/1997
883	1A Plateau Cattle	ne sw 15-12n-29e	220 ft	Drilled 11/1994, plugged 11/1997
884	3-1 State	ne se 3-11n-29e	1813 ft	Drilled 10/1995, plugged 9/2004
885	22-1 State	nw nw 22-12n-29e	218 ft	Drilled 8/1995, plugged 8/1997
888	22-1X State	se nw 22-12n-29e	2149 ft	Drilled 6/1997, shut-in 6/1997
890	35-1 State	ne sw 35-12n-29e	not drilled	Permit expired 4/1997
891	10-1 State	sw ne 10-11n-29e	not drilled	Permit expired 4/1997
892	11-1 State	se nw 11-11n-29e	not drilled	Permit expired 4/1997
893	2-1 State	se nw 2-11n-29e	not drilled	Permit expired 4/1997
895	11-21 State	ne sw 21-11n-30e	2410 ft	Drilled 3/1997, shut-in / app to plug
896	10-22 State	sw sw 22-10n-30e	2265 ft	Completed 7/2002; shut-in 3/2004
897	9-21 State	sw ne 21-9n-31e	2686 ft	Drilled 3/1997, shut-in / app to plug
898	9-22-29 State	sw se 22-9n-29e	3180 ft	Drilled 4/1997, plugged 2/2004
899	10-16-31 State	ne sw 16-10n-31e	2728 ft	Drilled 5/1997, plugged 2/2004
900	12-15-30 State	ne sw 15-12n-30e	2603 ft	Drilled 5/1997, plugged 7/2008
901	13-36-29 State	sw ne 36-13n-29e	2454 ft	Drilled 5/1997, plugged 5/1997
902	12-16-28 State	nw ne 16-12n-28e	2280 ft	Drilled 5/1997, plugged 1/2005
903	10-26-29 State	nw sw 26-10n-29e	3200 ft	Drilled 5/1997, plugged 1/2000
904	15-28-29 State	ne nw 28-15n-29e	2410 ft	Drilled 6/1997, plugged 6/1997
915	11-33 State	ne sw 33-11n-30e	not drilled	Permit expired 10/2004
916	11-18 State	c sw 18-11n-30e	2535 ft	Drilled 5/2004, temporarily abandoned
917	10-13 State	ne sw 13-10n-30e	not drilled	Permit expired 10/2004
937	11-16-30 State	nw se 16-11n-30e	2377 ft	Drilled 3/2007, shut-in
938	11-29-30 State	se nw 29-11n-30e	1906 ft	Drilled 2/2007, shut-in
939	11-06-31 State	nw se 06-11n-31e	2711 ft	Drilled 4/2007, shut-in
940	11-07-31 State	nw se 07-11n-31e	1885 ft	Drilled 4/2007, temporarily abandoned
941	11-18-31 State	nw se 18-11n-31e	2035 ft	Drilled 4/2007, temporarily abandoned
942	11-20-31 State	se nw 20-11n-31e	1934 ft	Drilled 5/2007, plugged 2/2008
943	11-29-31 State	se nw 29-11n-31e	2850 ft	Drilled 5/2007, shut-in
944	11-32-31 State	ne sw 32-11n-31e	2900 ft	Drilled 5/2007, temporarily abandoned
945	11-24-29 State	sw ne 24-11n-29e	1906 ft	Drilled 2/2007, shut-in
946	11-32-30 State	c se 32-11n-30e	1690 ft	Drilled 3/2007, temporarily abandoned
947	12-32-31 State	ne sw 32-12n-31e	85 ft	Spudded 5/2007, temporarily abandoned
948	12-34-29 State	nw ne 34-12n-29e	1140 ft	Drilled 2/2008, plugged 2/2008, blow out
949	12-32-30 State	sw ne 32-12n-30e	not drilled	Permit expired 7/2008
950	10-02-30 State	sw ne 02-10n-30e	2650 ft	Drilled 2/2008, temporarily abandoned
951	10-31-31 State	nw sw 31-10n-31e	not drilled	Permit expired 9/2008
952	11-20-31x State	se nw 20-11n-31e	not drilled	Permit expired 7/2008
953	10-02-30x State	sw ne 02-10n-30e	1899 ft	Drilled 2/2008, temporarily abandoned
954	12-34-29x State	nw ne 34-12n-29e	3048 ft	Drilled 2/2008, shut-in
955	11-29-31x State	se nw 29-11n-31e	1909 ft	Drilled 3/2008, temporarily abandoned
956	12-31-30 State	se nw 31-12n-30e	2814 ft	Drilled 3/2008, temporarily abandoned
957	12-31-30x State	se nw 31-12n-30e	2622 ft	Drilled 3/2008, temporarily abandoned
958	12-30-31 State	sw sw 30-12n-31e	not drilled	Permit expired 8/2008
959	10-29-31 State	sw ne 29-10n-31e	4202 ft	Drilled 3/2008, temporarily abandoned
960	10-29-31x State	sw ne 29-10n-31e	not drilled	Permit expired 8/2008
961	12-30-31x State	sw sw 30-12n-31e	not drilled	Permit expired 9/2008
962	09-05-31 State	nw se 05-09n-31e	122 ft	Drilled 4/2008, temporarily abandoned
963	09-05-31x State	nw se 05-09n-31e	2969 ft	Drilled 4/2008, temporarily abandoned
964	10-05-30 State	nw nw 05-10n-30e	2600 ft	Drilled 3/2008, temporarily abandoned
965	10-05-30x State	nw nw 05-10n-30e	not drilled	Permit expired 9/2008
966	11-23-30 State	nw ne 23-11n-30e	2550 ft	Drilled 4/2008, shut-in
967	11-23-30x State	nw ne 23-11n-30e	not drilled	Permit expired 9/2008
968	12-34-30 State	se nw 34-12n-30e	not drilled	Permit expired 12/2008
969	12-34-30x State	se nw 34-12n-30e	not drilled	Permit expired 12/2008
970	11-24-29x State	sw ne 24-11n-29e	2137 ft	Drilled 4/2008, temporarily abandoned
971	12-30-29 State	ne sw 30-12n-29e	not drilled	Permit extended through 01/2012
972	12-30-29x State	ne sw 30-12n-29e	not drilled	Permit expired 1/10/2009
973	10-08-31 State	sw ne 08-10n-31e	not drilled	Permit expired 2/14/2009
974	10-08-31x State	sw ne 08-10n-31e	not drilled	Permit expired 2/14/2009
978	12-36-29 State	nw sw 36-12n-29e	not drilled	Permit expired 8/13/2009
979	11-03-29x State	ne se 03-11n-29e	1670 ft	Drilled 11/2010, temporarily abandoned
980	11-06-29 State	se se 06-11n-29e	not drilled	Permit expired 2/13/2011
989	11-03-30 Fee	n2 se 03-11n-30e	not drilled	Permit expired 2/23/2011
990	11-06-30 State	ne sw 06-11n-30e	1788 ft	Drilled 11/2010, temporarily abandoned
991	12-22-29 State	ne se 22-12n-29e	1690 ft	Drilled 11/2010, temporarily abandoned
1083	11-25-30 Prize	se nw 25-11n-30e	not drilled	Permitted 10/31/2011
1084	11-21-30 State	sw ne 21-11n-30e	not drilled	Permitted 11/28/2011

11/28/2011 (68 permitted: 22 expired, 3 current, 43 drilled: 13 plugged 11 SI, 19 TA)

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Presentations

Annual Meeting
Buffalo, New York
October 16 - 18, 2011

Energy Resources, Research and Technology Committee

» [National Petroleum Council Report Update](#)

Clay Bretches, Vice President, Exploration & Production Services & Minerals,
Anadarko Petroleum Corporation

» [RPSEA Research Project Overview](#)

Charlotte Schroeder, Manager, Unconventional Resources, Research Partnership to
Secure Energy for America

» [Informing Public Policy on Oil and Natural Gas Resources: DOE R&D and Related Activities](#)

Nancy Johnson, Director, Environmental Science and Policy Analysis, U.S.
Department of Energy, Office of Fossil Energy

Public Outreach Committee

» [The Amazing American](#) (Presentation Coming Soon)

Roger B. Willis, President, Universal Well Services, Inc.

» [FracFocus: Reaching Out to a Broad Audience](#)

Gerry Baker, Associate Executive Director, Interstate Oil and Gas Compact
Commission

Public Lands Committee

» [Montana's Hydraulic Fracturing Rules](#)

Tom Richmond, Administrator, Montana Board of Oil & Gas Conservation

» [Plains CO2 Reduction \(PCOR\) Partnership](#)

Lisa Botnen, Research Manager, Energy & Environmental Research Center

Council of State Oil & Gas Attorneys

» [East Coast Canada's Regulatory Environment](#)

Kim Doane, Manager, Petroleum Resources Division, Nova Scotia Department of
Energy

International Committee

» [Shale Development: Its Impact on Infrastructure and LNG Exports](#)

Berne Mosley, Deputy Director, Office of Energy Project, Federal Energy Regulatory
Commission

» [FracFocusCA: Building on a Good Idea](#)

Graham Currie, Leader of Corporate Affairs, British Columbia Oil and Gas
Commission

Environment and Safety Committee

» [Hydraulic Fracturing Fluids Registry](#)

Joseph J. Lee, Jr., P.G., Manager, Division of Compliance and Data Management,
Bureau of Oil and Gas Management, Pennsylvania Department of Environmental
Protection

» [Shale Gas Development in New York - Environmental Issue & the Emerging Regulatory Framework](#)

John Conrad, Principal, Energy and Environmental Services, Conrad Geosciences
Corp.

» [Upcoming Federal Air Regulations and Other Actions Affecting Upstream Oil and Gas Operations](#)

Phil Norwood, Sr. Consultant, ERM

Legal and Regulatory Affairs Committee

» **STRONGER Hydraulic Fracturing Review**

Lori Wrotenbery, Director, Oil & Gas Conservation Division, Oklahoma Corporation Commission

» **Oklahoma's New Cross-Unit Well Legislation**

Lori Wrotenbery, Director, Oil & Gas Conservation Division, Oklahoma Corporation Commission

Council of State Regulatory Officials

» **FracFocus Update**

Stan Belieu, UIC Director/Petroleum Engineer, Nebraska Oil & Gas Conservation Commission

» **Revising the API Numbering Standard for Today's Drilling**

Don Drazan, New York Department of Environmental Conservation

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Name

Representing

Joe Dixon

AZ State Land Dept.

Tom White

Regency

Karen Conrath

Phoenix Dist Office BLM

Fred Conrath

BLM AZ State office