

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. 14-08-0001-8200
2. NAME OF OPERATOR ARCO Oil and Gas Company, A Division of Atlantic Richfield	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo-Ute Mountain
3. ADDRESS OF OPERATOR 1816 E. Mojave, Farmington, New Mexico 87401	7. UNIT AGREEMENT NAME Horseshoe Gallup Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Unit "A" 990' FNL & 330' FEL	8. FARM OR LEASE NAME Horseshoe Gallup
14. PERMIT NO.	9. WELL NO. 179
15. ELEVATIONS (Show whether OF, BT, OR, etc.) 5408' GL	10. FIELD AND POOL, OR WILDCAT Horseshoe Gallup
	11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 33, T-31N, R-16W
	12. COUNTY OR PARISH San Juan
	13. STATE New Mexico

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

ARCO Oil and Gas respectfully requests approval of temporary abandonment status on this well. At this time, under the current waterflood operation, ARCO cannot economically justify remedial work. An ongoing study to determine the feasibility of CO₂ flooding for the Horseshoe Gallup field is underway which may yield significant additional oil recovery. Implementation of a CO₂ flood would require the workover of existing wells and the drilling of new wells. For this reason, ARCO proposes that this well be maintained in the temporarily abandoned status so that the wellbore will be available should it be needed as part of a future CO₂ flood. This plan eliminates the economic waste of potentially usable wellbores and promotes conservation.

Your letter dated January 2, 1987 requesting that this well be plugged within 60 days is attached for your information.

RECEIVED

MAR 02 1987

OIL CON. DIV
DIST. 3

FEB 24 1987

Durango, Colorado

18. I hereby certify that the foregoing is true and correct

SIGNED

W James Hill

TITLE Area Production Supt.

DATE 2/19/87

(This space for Federal or State office use)

APPROVED BY L. Mark Hollis

TITLE ACTING AREA MANAGER

DATE FEB 24 1987

CONDITIONS OF APPROVAL, IF ANY:

or

U.S. CO

*See Instructions on Reverse Side

APPROVED FOR A PERIOD
NOT EXCEEDING 1 YEAR.



IN REPLY
REFER TO

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

San Juan Resource Area
Federal Building
701 Camino del Rio
Durango, Colorado 81301

3100 (163)

JAN 2 1987

CERTIFIED--RETURN RECEIPT REQUESTED

ARCO Oil and Gas Company
1816 East Mojave
Farmington, New Mexico 87401

Dear Sir:

On December 4, 1986, an inspection was made by Mr. Steve Graham of the Bureau of Indian Affairs and Mr. Terry Galloway of the Bureau of Land Management on the Horseshoe Gallup Unit concerning compliance with a letter sent to ARCO Oil and Gas on December 18, 1985 (enclosed). No compliance had been done on any of the items listed in the BIA letter.

The Bureau of Land Management requests that the restoration requirements listed in the December 18, 1985 letter be completed within 60 days of receipt of this letter, with the exception that the underground piping does not need to be removed. However, all above ground piping associated with the abandoned wells must be removed.

Failure to comply with the requirements of this letter within the time specified will incur an assessment under 43 CFR 3163.3(a) and may also incur Civil Penalties (43 CFR 3163.4).

If you have any questions, contact Terry Galloway of my staff at (303) 247-4082.

Sincerely yours,

David J. Miller
David J. Miller
Area Manager

Enclosure

cc:
BIA, Towaoc

Ute Mountain Agency
Phillip Coyote, Sr., Memorial Hall
Towaoc, Colorado 81334

Natural Resources

DEC 18 1985

ARCO, Oil and Gas Company
Division of Atlantic Richfield Company
707-17th Street
P.O. Box 5540
Denver, CO 80217

Dear Sir:

On November 27, 1985 and December 06, 1985 inspections were made of the following well locations on which your company submitted "Sundry Notices and Reports on Wells" (form 3160-5) for abandonment. Restoration Stipulations necessary for the abandonment of these wells are as follows:

Plug all wells as outlined by the "Sundry Notices and Reports on Wells" and approved by the Durango BLM Office. (some have been plugged).

Well #214, Section 34, Township 31 North, Range 16 West, plug the well, erect a P&A marker, remove the concrete pad, all trash on and around the location, the anchors, and seed the location.

Well #201, Section 34, Township 31 North, Range 16 West, plug the well, erect a P&A marker, remove the insulated enclosure, anchors, and all trash on and around the location and seed the location. *meter lower in loc*

Well #192, Section 34, Township 31 North, Range 16 West, plug the well, erect a P&A marker, remove the insulated enclosure, anchors, all trash on and around the location and seed the location. *meter lower in loc*

Well #190, Section 33, Township 31 North, Range 16 West, plug the well, erect a P&A marker, remove the concrete pad, anchors, all trash on and around the location and seed the location. *concrete pad on loc.*

✓ Well #179, Section 33, Township 31 North, Range 16 West, plug the well, erect a P&A marker, remove the concrete pad, anchors, all trash on and around the location, and seed the location.

✓ Well #180, Section 34, Township 31 North, Range 16 West, plug the well, erect a P&A marker, remove the insulated enclosure, all trash on and around the location, and seed the location.

✓ Well #147, Section 28, Township 31 North, Range 16 West, seed the location. TUMBLING WEEDS DISK SEED

✓ Well #149, Section 28, Township 31 North, Range 16 West, plug the well, erect a P&A marker, remove the insulated enclosure, anchors, all trash on and around the location, and seed the location. ~~work~~

Well #144, Section 21, Township 31 North, Range 16 West, remove anchors, all trash on and around the location, and seed the location.

✓ Well #143, Section 21, Township 31 North, Range 16 West, remove the concrete pad, pipe, all trash on and around the location, and seed the location. PICK UP PAD NO TRASH NEED TO SEED

✓ Well #148, Section 28, Township 31 North, Range 16 West, remove the anchors, all trash on and around the location, and seed the location. NO TRASH, ANCHORS WEEDS USING GLASS NEED TO SEED LOOKS LIKE COUNTRY SIDE

✓ Well #145, Section 21, Township 31 North, Range 16 West, remove the concrete pad, anchors, cable, all trash on and around the location, and seed the location. NEED TO HAVE IN PAD NO TRASH, ANCHORS OR CABLE

✓ Well #152, Section 28, Township 31 North, Range 16 West, remove the insulated enclosure, anchors, all trash on and around the location, push down the bank on the southwest side of the location using a 6-1 slope so as to stop the erosion, seed the location and the bank on the SW and NE side of the location. meter house on loc. Abandon, anchors, cable weedy

✓ Well #154, Section 28, Township 31 North, Range 16 West, remove the trash on and around the location and the exposed pipeline south of location, and seed the location. NO TRASH NEED TO SEED PIPE REMOVED

- ✓ Well #150, Section 27, Township 31 North, Range 16 West, remove all trash on and around the location, and seed the location. TRASH PICKED UP
- ✓ Well #156, Section 27, Township 31 North, Range 16 West, remove all trash on and around the location, and seed the location. TRASH PICKED UP - WEEDY
- ✓ Well #154, Section 27, Township 31 North, Range 16 West, remove all trash on and around the location, anchors, and seed the location. TRASH PICKED UP WEEDY
- ✓ Well #171, Section 27, Township 31 North, Range 16 West, remove all trash on and around the location, and seed the location. TRASH PICKED UP WEEDY
- ✓ Well #182, Section 34, Township 31 North, Range 16 West, remove all trash on and around the location, and seed the location. PICK UP TRASH WEEDY
- Well #212, Section 34, Township 31 North, Range 16 West, plug the well, erect a P&A marker, remove the pump jack, concrete pad, anchors, trash on and around the location, and seed the location. *unit on loc.*
- ✓ Well #215, Section 34, Township 31 North, Range 16 West, and seed the location. *weedy, no anchors*
- ✓ Well #203, Section 34, Township 31 North, Range 16 West, remove all trash on and around the location, and seed the location. *weedy, no anchors*
- ✓ Well #213, Section 34, Township 31 North, Range 16 West, remove the insulated enclosure, anchors, all trash on and around the location, and seed the location. *REMOVE ANCHORS PICK UP TRASH WEEDY*
- ✓ Well #173, Section 27, Township 31 North, Range 16 West, seed the location. *weedy, rocky, anchors*
- ✓ Well #186, Section 35, Township 31 North, Range 16 West, remove the concrete pad, all trash on concrete pad on 20s and around the location, and seed the location. *weedy, no anchors*
- ✓ Well 175, Section 26, Township 31 North, Range 16 West, remove all trash on and around the location, and seed the location. *weedy, no anchors*

- ✓ Well #184, Section 35, Township 31 North, Range *weedy, no anchors*
16 West, remove all trash on and around the location, and seed the location.
- ✓ Well #194, Section 34, Township 31 North, Range *weedy, 2 anchors*
16 West, remove anchors, all trash on and around the location, and seed the location.
- ✓ Well #205, Section 35, Township 31 North, Range *weedy, no anchor*
16 West, remove all trash on and around the location, and seed the location.
- ✓ Well #217, Section 35, Township 31 North, Range *weedy, no anchors*
16 West, remove the concrete pad, all trash on *cement pad on loc.* and around the location, and seed the location.
- ✓ Well #207, Section 35, Township 31 North, Range *weedy, no anchors*
16 West, remove all trash on and around the location, and seed the location.
- ✓ Well #196, Section 35, Township 31 North, Range *rocky, no anchor*
16 West, seed the location.

Underground Pipelines

Remove all underground pipeline serving the above abandoned wells which will no longer be needed.

Seeding

Seed all locations, the abandoned underground pipeline, rights-of-way and all service roads which will no longer be used or needed with the following mix:

- 1 lb Indian Rice Grass
- 1 lb Western Wheat Grass
- 1 lb Crested Wheat Grass
- 1 lb Winter Fat
- $\frac{1}{2}$ lb Sandrop Seed Grass
- $\frac{1}{2}$ lb Yellow Sweet Clover

Seed in the late fall or winter at the rate of 8 lbs. per acre by disking the ground to be seeded and drilling the seed in at a depth not to exceed 1/4 inches, or a brillion seeder/packer may be used.

Please advise this office of your plans concerning the power lines serving the abandoned well locations. If you need additional information, please feel free to contact Mr. Thomas E. Taylor, at 303/565-8471.

Sincerely,

(SGD) OMAR BRADLEY
ACTING Superintendent