

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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019 FARMINGTON, N.M.

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.  
NM-013686 ✓

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Pritchard #6 ✓

9. API Well No.

30-045-23430

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan, NM

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

ATTN: J.L. Hampton

3. Address and Telephone No.

P. O. Box 800 Denver, Colorado 80201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1680' FSL, 1111' FWL ✓ Sec 34, T31N-R9W Unit "L" ✓

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Cathodic Protection

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

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

13. 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.)\*

Amoco requests permission to drill a ground bed cathodic protection well at the above location to service the producing well.

Please see the attached procedures.

ACCEPTED FOR RECORD  
FARMINGTON RESOURCE AREA

MAY 27 1992

FARMINGTON, NEW MEXICO  
BY [Signature]

RECEIVED  
JUN-1 1992  
OIL CON. DIST. 3

Please contact Ed Hadlock (303) 830-4982 if you have any questions.

NMOCD

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

Signed

J.L. Hampton

Title

Staff Admin. Supv.

Date

5/15/92

(This space for Federal or State office use)

Approved by

FARMINGTON COPY

Title

Date

## Attachment 2: Deep Groundbed Installation

Construction Practices for the installation of deep groundbeds will include, but are not limited to the following:

1. MIRSU. Trench out pit for drill cuttings and drilling fluid. Holes should be drilled with air, if possible. If it becomes necessary to drill with mud, water used to drill must be readily identified as potable.
2. Drill a 6 3/4 inch hole to a depth of 320 feet. Monitor and document drill cuttings to characterize subsurface strata from surface to TD.
3. If hole will stand open, no casing shall be used. If hole will not stand open, 100 feet of 6" PVC casing shall be installed and cemented behind pipe for the total length of the casing. This will be an adder where necessary; please include cost as a separate item.
4. Load hole with water if it was not required for drilling. If water was used for drilling, circulate the hole bottoms up to clean out the drill cuttings and to displace drilling muds with fresh water. All water used must meet the requirements outlined in step #1.
5. Log the hole with an anode utilizing a portable power supply with a minimum voltage of 12V DC at 5 foot intervals beginning at 50 feet to TD, recording both voltage and amperage at each point.
6. From the log, choose 12 anode locations meeting the following criteria:
  - a. Minimum anode spacing 10 feet center to center.
  - b. Balanced current distribution along anode string.
  - c. Insure top anode is below water table.Please include cost of further drilling if required to meet the above criteria.
7. Anodes will be 2" x 60" high silicon cast iron. Lower PVC vent pipe (bottom plugged) to TD. Vent pipe will be slotted below the water table, with no perforations at or above the water table. Lower each anode to its desired depth. Carefully inspect each anode cable for defects; care should be taken to insure that the anode and its cable does not become damaged during installation. Confirm the exact location of each anode to its desired depth by matching its current output to the amperage taken during the logging operation.
8. Rig up coke breeze pumping unit and carefully lower discharge hose to the bottom of the hole. With hose in place, begin pumping slurried backfill while monitoring bottom anode's current output. When backfill reaches the bottom anode, slowly retract the discharge hose at a rate roughly equal to the rate that the

backfill is rising in the hole. Move the applied power to the next anode and continue this process until the backfill is 50 feet above the top aquifer, or to surface, whichever is lower. If 50 feet above the top aquifer leaves the hole open, fill the remaining hole with metallurgical coke breeze/30% portland cement mix by volume.

9. Wire the anodes and power supply leads into the junction box. Each junction box will be equipped with numbered 0.01 ohm shunts, and provisions to allow for connection of groundbed supply leads from old or future parallel groundbeds. Securely attach the junction box to a 4" x 4" treated hardwood post in close proximity to the groundbed with the top of the junction box 24" above grade. Conduit should be provided for the entrance of anode and power supply leads into the junction box from below grade.

10. Within 10 days of completing each groundbed (deep or conventional), provide as-built drawings showing exact cable and anode locations and depths, resistance logs, groundbed anode placement, subsurface strata findings, as well as initial operational data of the cathodic protection system.

11. Backfill all trenches, pits and augured holes to grade and remove all debris generated during the installation.