

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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)

990' FNL, 990' FEL Unit "A" Sec. 22, T31N-R9W

5. Lease Designation and Serial No.

NM-012647

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Riddle D LS #4

9. API Well No.

30-045-10604

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Cathodic Protection	<input type="checkbox"/> 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

RECEIVED

JUN -1/1992

OIL CON. DIV.

DIST. 3

FARMINGTON, NEW MEXICO

BY: *[Signature]*

019 FARMINGTON, N.M.

92 MAY 15 AM 11:19

RECEIVED
BLM

Please contact Cindy Burton (303) 830-5119 if you have any questions.

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

Signed

J.L. Hampton

Title

Sr. Staff Admin. Super.

Date

5/13/92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

[Signature]

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.