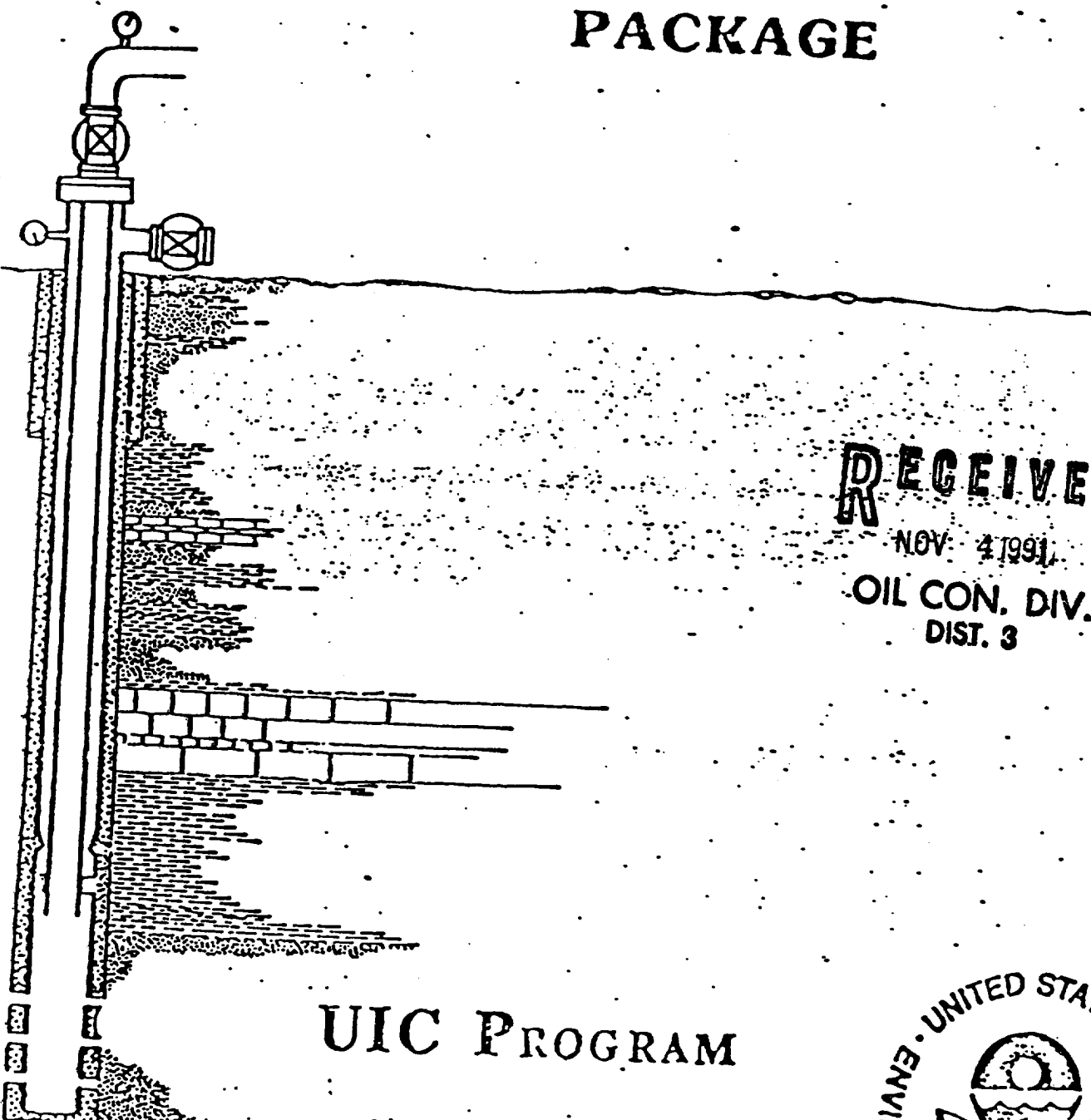


Navajo #5

0 - Section 10-32N-18W

Ari-Mex
#5

PERMIT APPLICATION PACKAGE



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OIL CON. DIV.
DIST. 3

UIC PROGRAM



Well # Navajo #5
 Permit # _____
 Date Received : _____
 *EPA Authorization # _____

Permit Application Checklist

	<u>Attached</u>	<u>Not Attached</u>	
1.	<u>X</u>	_____	1. Budget Bureau Form # 1004 - 0135 (Sundrey Notices) or #1004 - 0136 (Application to Drill) (2 copies to EPA).
2.	<u>X</u>	_____	2. Map using township-range-sections to show the location of wells within 1/2 mile (2640 ft.) of the proposed well.
3.	<u>X</u>	_____	3. Tabulation of data on wells within 1/2 mile (2640 ft) including:
		_____	depth
		_____	location
			For wells that penetrate the injection interval, also show:
		_____	date drilled
		_____	record of plugging and/or completion
		_____	corrective action plan for inadequately completed or plugged wells.
4.	<u>X</u>	_____	4. Injection well schematic drawings of surface and subsurface details showing:
		_____	(i) total depth plug-back depth,
		_____	(ii) depth to top and bottom of injection interval,
		_____	(iii) depth to top and bottom of casing and cemented interval, plus amount of cement,
		_____	(iv) size of casing and tubing and depth of packer, and
		_____	(v) hole diameter,
		_____	(vi) other perforated intervals,
		<u>X</u>	(vii) daily drilling records, if available

* Applicable to wells authorized by rule

Attached Not Attached

5. X _____

5. Operating data including:

- (i) maximum and average injection rate,
- (ii) maximum and average injection pressure,
- (iii) fracture pressure gradient of injection zone,
- (iv) whether operations is cyclic or continuous, and
- (v) source and analysis of injected fluids including TDS, chlorides, and additives.

6. X _____

6. Geologic data on the injection and confining zones, including faults, geological name, thickness, porosity, permeability, depth, current reservoir pressure or fluid level, water quality, and lithologic description.

7. No fresh water _____

7. Depth to base of fresh water (10,000 mg/l)

8. X _____

8. Verification of public notice, consisting of a list showing names, addressess, and date that notice of permit application was given or sent to each:

- (i) surface land owner,
- (ii) tenant,
- (iii) operator of a producing lease within one-half mile of the well location, and
- (iv) affected Tribal Government.

9. X _____

9. All available logging and testing data on the well (for existing wells only).

10. X _____

10. Proof of adequate financial responsibility.

11. X _____

11. Certification form signed by well owner/operator or authorized representative (authorization must be in writing and copy attached).

12. (Yes) (No)

12. Has the applicant declared any part of his submission confidential? [147.2907]

13. (Yes) (No)

13. Is the injection well currently authorized by rule? If yes, EPA [147.2907]

- | | <u>Attached</u> | <u>Not Attached</u> | |
|-----|-----------------|---------------------|---|
| 14. | <u>(Yes)</u> | <u>(No)</u> | 14. Was applicant required by EPA to apply for a permit? |
| 15. | <u>(Yes)</u> | <u>(No)</u> | 15. The permit applicant is the owner/operator (circle one or both) |
| 16. | <u>(Yes)</u> | <u>(No)</u> | 16. Has the applicant requested emergency authorization to inject. |
| 17. | <u>X</u> | <u> </u> | 17. Plugging and Abandonment Plan, and estimated cost of plan. |

Administrative Reviewer
Signature/Date

Technical Reviewer
Signature/Date

17. PLUGGING AND ABANDONMENT PLAN

When the well is plugged, a cast iron bridge plug will be set at 1035 feet. An acceptable cement slurry will be spotted above the CIBP, heavy drilling mud will be spotted above cement plug. 4½" casing will be shot off at free point and cement will be circulated from 100 feet to the surface. Location will be restored to as natural a state as possible.
Estimated cost - \$5,000.00.