	1/13/00 SUSPENSE 4/28/00 ENGINEER MA LOGGED KN TYPE WFX					
	ABOVE THIS LINE FOR DIVISION USE ONLY					
NEW MEXICO OIL CONVERVATION DIVISION - Engineering Bureau -						
·	ADMINISTRATIVE APPLICATION COVERSHEET					
Applica	THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS Ition Acronyms: [DD-Directional Drilling] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS-Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]					
[1]	TYPE OF APPLICATION - Check Those Which Apply for [A] [A] Location - Spacing Unit - Directional Drilling [A] NSL INSL NSP					
	Check One Only for [B] or [C] [B] Commingling - Storage - Measurement DHC CTB PC OLS OLM					
	[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery ✓ WFX □ PMX □ SWD □ IPI □ EOR □ PPR					
[2]	NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [A] Working, Royalty or Overriding Royalty Interest Owners					
	[B] Offset Operators, Leaseholders or Surface Owner					
	[C] Application if One Which Requires Published Legal Notice					
	[D] I Notification and/or Concurrent Approval by BLM or SLO					
	U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office [E] For all of the above, Proof of Notification or Publication is Attached, and/or,					
	[F]					
[3]	INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.					

Lee R. White	Sek Unit	Engineering Manager	4/10/00
Print or Type Name	Signature '	Title	Date
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2000 POST OAK BOULEVARD / SUITE 100 / HOUSTON, TEXAS 77056-4400



WWW.APACHECORP.COM (713) 296-6000

April 10, 2000

State of New Mexico Energy, Minerals & Natural Resources Dept. Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505

Re: Expansion of Waterflood Project Northeast Drinkard Unit Well No. 320, 405, 525, 606, 609, 704, 707, 805, 806, 809, 813, 907, 911, 915 Eunice N., Blinebry-Tubb-Drinkard Lea County, New Mexico

Apache Corporation is proposing an expansion of the previous authority, Division Order No. R-8541, to add additional water injection wells to the above referenced lease.

To support this request we have attached the following:

- 1) OCD Form C-108 with attachments
- 2) Maps with surveys which include:
 - A) Unit Map with location of all wells within one-half mile radius of proposed injection wells
 - B) Individual maps for each proposed injection well with location of all wells and leases within a two mile and one-half mile radius (note: wells in red are proposed infill producers not yet drilled)
- 3) Injection Well Data Sheet for each proposed injector
- 4) A Publishing Affidavit and copy of legal notice
- 5) List of Surface Owners and Offset Operators with Certified Mail Receipt numbers indicated and copy of letter sent
- 6) Tabulation of Data on wells located within the Area of Review

7) Wellbore Diagrams for all wells P&A'd in the Area of Review

Please contact me at 713-296-6338 if you need additional information or have any questions regarding this application. Thank you.

Sincerely,

APACHE CORPORATION

Dorvor Q

Debra J. Anderson Sr. Engineering Technician

Attachments

cc: Mr. Chris Williams
 Oil Conservation Division
 District I
 P O Box 1980
 Hobbs, New Mexico 88241

State of New Mexico Office of Land Commissioner P O Box 1148 Santa Fe, New Mexico 87504

Bureau of Land Management 2909 West 2nd Street Roswell, New Mexico 88201

OIL CONSERVATION DIVISION 2040 SOUTH PACHECO SANTA FE, NEW MEXICO 87505

APPLICATION FOR AUTHORIZATION TO INJECT

V I.	PURPOSE: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? Yes No				
∕II.	OPERATOR: Apache Corporation ADDRESS: 2000 Post Oak Blvd., Ste. 100, Houston, Texas 77056-4400				
/	CONTACT PARTY: Debra Anderson PHONE: 713-296-6338				
⁷ III.	WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection Additional sheets may be attached if necessary.				
∠IV.	Is this an expansion of an existing project:				
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half radius circle drawn around each proposed injection well. This circle identifies the wells area of review.				
.∕ VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.				
レ ヤII .	. Attach data on the proposed operation, including:				
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.). 				
*VIII.	I. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geologic name thickness and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlaying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.				
V IX.	Describe the proposed stimulation program, if any.				
* X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)				
* XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.				
XII.	. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.				
∕xm.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.				
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.				
	NAME:Debra J. AndersonTITLE: Sr. Engineering Technician				
	SIGNATURE: 10-00_ DATE: 21-10-00_				
*	If the information required under Sections VI VIII X and XI above has been previously submitted it need not				

If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal:

Hearing 9/24/87, Case No. 9232, Order No. 8541 & Supplemental Application 06/26/95 DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township, and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on v/hich the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisemen: which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multip e wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must f le objections or requests for hearing with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

ATTACHMENT FOR FORM C-108 NORTHEAST DRINKARD UNIT MISCELLANEOUS DATA

III. WELL DATA

B. (5)	Next higher oil zone	Paddock @ +/- 5200'
	Next lower oil zone	Abo @ +/- 6750'

VII. PROPOSED OPERATION

1.	Average Injection Rate	1000 BWPD
	Maximum Injection Rate	2000 BWPD

- 2. Closed Injection System
- 3.Average Injection Pressure1100 psiMaximum Injection Pressure1300 psi (approximate)
(will not exceed 0.2 psi/ft to top perforation)
- 4. Source Water San Andres Analysis Attached Blinebry-Tubb-Drinkard Produced

IX. STIMULATION PROGRAM

Acid treatment schedule will be determined following evaluation of GR/CNL/CCL (to be run prior to perforating the unitized interval)

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE