

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form C-101

### APPLICATION FOR PERMIT TO DRILL

Operator Name and Address Apache Corporation Two Warren Place, Suite 1500 Tulsa, OK 74136-4224		OGRID Number 873
		API Number 30-25-36367
Property Code 22503	Property Name NORTHEAST DRINKARD UNIT	Well No. 419

### Surface Location

UL or Lot D	Section 10	Township 21S	Range 37E	Lot Idn	Feet From 150	N/S Line N	Feet From 160	E/W Line W	County Lea
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### Proposed Pools

EUNICE;BLI-TU-DR, NORTH 22900
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Work Type New Well	Well Type Oil	Cable/Rotary	Lease Type Private	Ground Level Elevation 3462
Multiple N	Proposed Depth 6900	Formation Drinkard	Contractor	Spud Date 10/16/2003

### Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1325	800	0
Prod	7.875	5.5	17	6900	1030	0

### Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	3000	Schaefer

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Electronically Signed By: Larry Rader

Title: Technical Coordinator

Date: 8/12/2003

Phone: 918-491-4811

### OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 8/12/2003

Expiration Date: 8/12/2004

Conditions of Approval:

There are conditions. See Attached.

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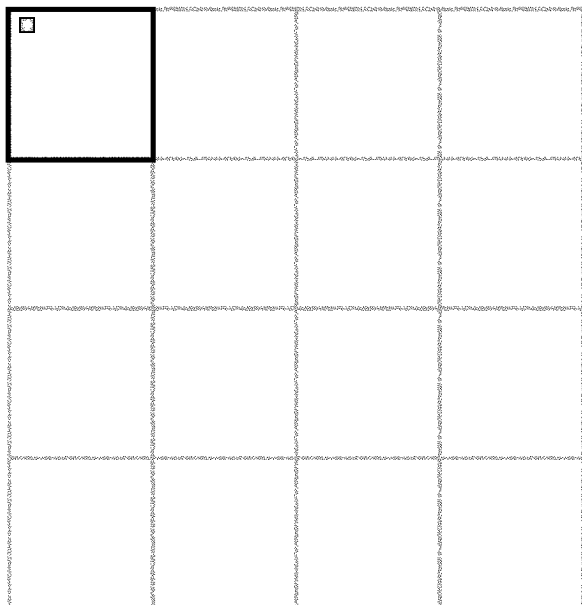
Form C-102

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-25-36367	Pool Name EUNICE;BLI-TU-DR, NORTH	Pool Code 22900
Property Code 22503	Property Name NORTHEAST DRINKARD UNIT	Well No. 419
OGRID No. 873	Operator Name Apache Corporation	Elevation 3462

**Surface And Bottom Hole Location**

UL or Lot D	Section 10	Township 21S	Range 37E	Lot Idn	Feet From 150	N/S Line N	Feet From 160	E/W Line W	County Lea
Dedicated Acres 40	Joint or Infill		Consolidation Code		Order No.				



**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

Electronically Signed By: Larry Rader

Title: Technical Coordinator

Date: 8/12/2003

**SURVEYOR CERTIFICATION**

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

Electronically Signed By: Ronald Eidson

Date of Survey: 6/4/2003

Certificate Number: 3239

# APD Comments

**Operator:** 873 Apache Corporation

**Well:** NORTHEAST DRINKARD UNIT 419

User Name	Comment	Comment Date
MLHANSON	Administrative Order NSL-4932 (SD)	8/12/2003

# APD Conditions Of Approval

**Operator: 873 Apache Corporation**

**Well: NORTHEAST DRINKARD UNIT 419**

OCD Reviewer	Condition
PKAUTZ	Surface casing should be set at least 25 feet into the top of the Rustler Anhyrite and cement circulated to surface.
PKAUTZ	Drilling fluid surface: 1) Fresh water or fresh water spud mud shall be used to drill to surface casing depth. 2) Non-toxic or biodegradable water based polymers, drilling paper, starch and gels may be used in the mud system in order to retard seepage into the red beds. 3) Two to five percent diesel or crude oil may be used in the red bed section in order to control heaving shales and mudstones.
PKAUTZ	Drilling fluid surface (continued): 4) Caustics and Lime shall not be used in the red beds but may be added when the Rustler Fm is reached. However, sodium carbonate maybe used for alkalinity or ph control while drilling the red beds above the Rustler Fm.