

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 Matador Operating Company 8340 Meadow Road #150 Dallas, TX 75231		OGRID Number 14245
		API Number 30-25-36232
Property Code 32121	Property Name RIDDLE 1 STATE COM	Well No. 001

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	1	22S	34E		660	N	1090	E	Lea

Proposed Pools

GRAMA RIDGE;MORROW, EAST (GAS) 77690

Work Type New Well	Well Type Gas	Cable/Rotary	Lease Type State	Ground Level Elevation 3602
Multiple N	Proposed Depth 13450	Formation Morrow	Contractor	Spud Date 4/15/2003

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1300	1000	0
Int1	12.25	9.625	40	3000	1500	0
Int1	12.25	9.625	40	5700	1500	0
Prod	8.75	7	29	11500	400	9000
Liner1	6.125	4.5	13.5	13450	250	11200

Casing/Cement Program: Additional Comments

9-5/8 casing will be cemented to surface in 2 stages. Estimated DV tool depth @ 4000. 12-1/4 & 8-3/4 hole sections will utilize contractor 3000# BOPE. The BOPE shown below is for the 6-1/8 hole section only.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	10000	5000	HYDRIL
Double Ram	10000	10000	HYDRIL

Pipe	10000	10000	HYDRIL
------	-------	-------	--------

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Electronically Signed By: Jim Kramer		Electronically Approved By: Paul Kautz	
Title: Senior Drilling Engineer		Title: Geologist	
Date: 3/21/2003		Approval Date: 3/24/2003	Expiration Date: 3/24/2004
Phone: 214-987-7128		Conditions of Approval: No Conditions	

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

Form C-102

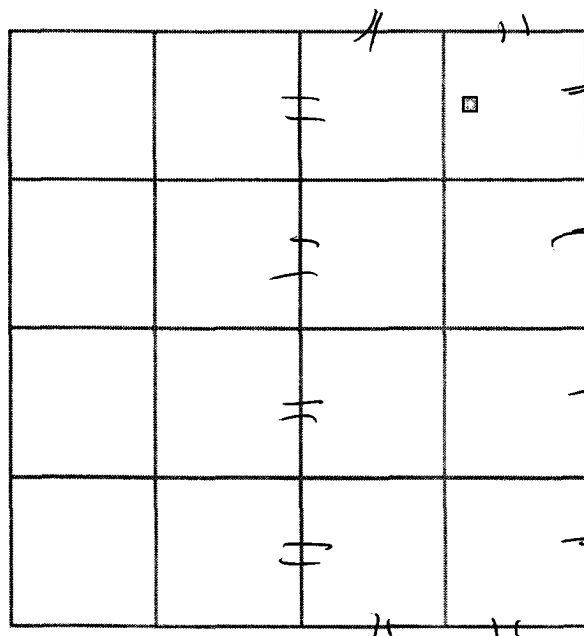
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-25-36232	Pool Name GRAMA RIDGE;MORROW, EAST (GAS)	Pool Code 77690
Property Code 32121	Property Name RIDDLE 1 STATE COM	Well No. 001
OGRID No. 14245	Operator Name Matador Operating Company	Elevation 3602

Surface And Bottom Hole Location

UL or Lot A	Section 1	Township 22S	Range 34E	Lot Idn	Feet From 660	N/S Line N	Feet From 1090	E/W Line E	County Lea
Dedicated Acres 325.21		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: Jim Kramer

Title: Senior Drilling Engineer

Date: 3/21/2003

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: V. Bezner

Date of Survey: 3/13/2003

Certificate Number: 7920