

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 30-25-36162
Property Code 31990	Property Name SHELLEY 36 STATE	Well No. 001

Surface Location

UL or Lot F	Section 36	Township 19S	Range 37E	Lot Idn	Feet From 2310	N/S Line N	Feet From 1980	E/W Line W	County Lea
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Proposed Pools

WILDCAT; STRAWN

Work Type New Well	Well Type Oil	Cable/Rotary	Lease Type State	Ground Level Elevation 3595
Multiple N	Proposed Depth 7900	Formation Strawn	Contractor	Spud Date 2/24/2003

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	1350	500	0
Prod	7.875	5.5	17	7800	850	2000

Casing/Cement Program: Additional Comments

NU 3000 psi BOP on tubing head. Drill 4-3/4 hole (w/ fresh water) out from 5-1/2 casing to total depth of 7900. Strawn test will be an open-hole completion.
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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	1500	HYDRIL
Double Ram	3000	3000	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: 2/18/2003		Approval Date: 2/18/2003	Expiration Date: 2/18/2004
Phone: 214-987-7128		Conditions of Approval: No Conditions	

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Form C-102

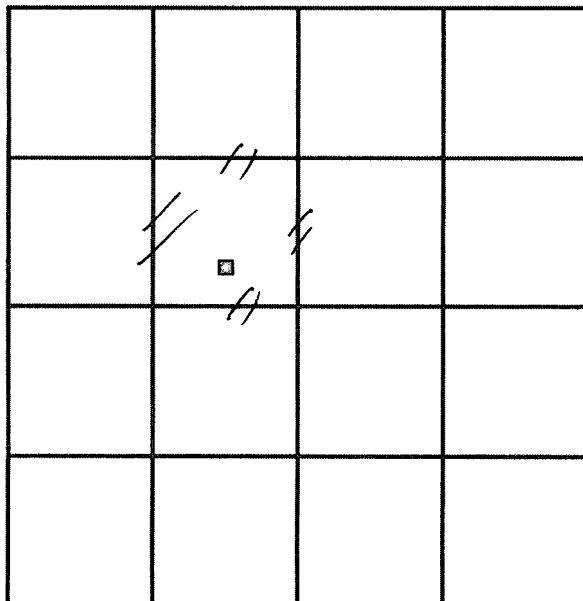
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-25-36162	Pool Name WILDCAT; STRAWN	Pool Code
Property Code 31990	Property Name SHELLEY 36 STATE	Well No. 001
OGRID No. 14245	Operator Name Matador Operating Company	Elevation 3595

Surface And Bottom Hole Location

UL or Lot F	Section 36	Township 19S	Range 37E	Lot Idn	Feet From 2310	N/S Line N	Feet From 1980	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: Jim Kramer

Title: Senior Drilling Engineer

Date: 2/18/2003

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: 8/20/2002

Certificate Number: 7920