

CASE 10339

EXHIBITS 1-16

**Conoco Application For A
Horizontal Directional Drilling Pilot Project**

OIL CONSERVATION DIVISION

DIRECTLY
P.O. Box 1983, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. DENVER CO. AUSTIN, NM 88210

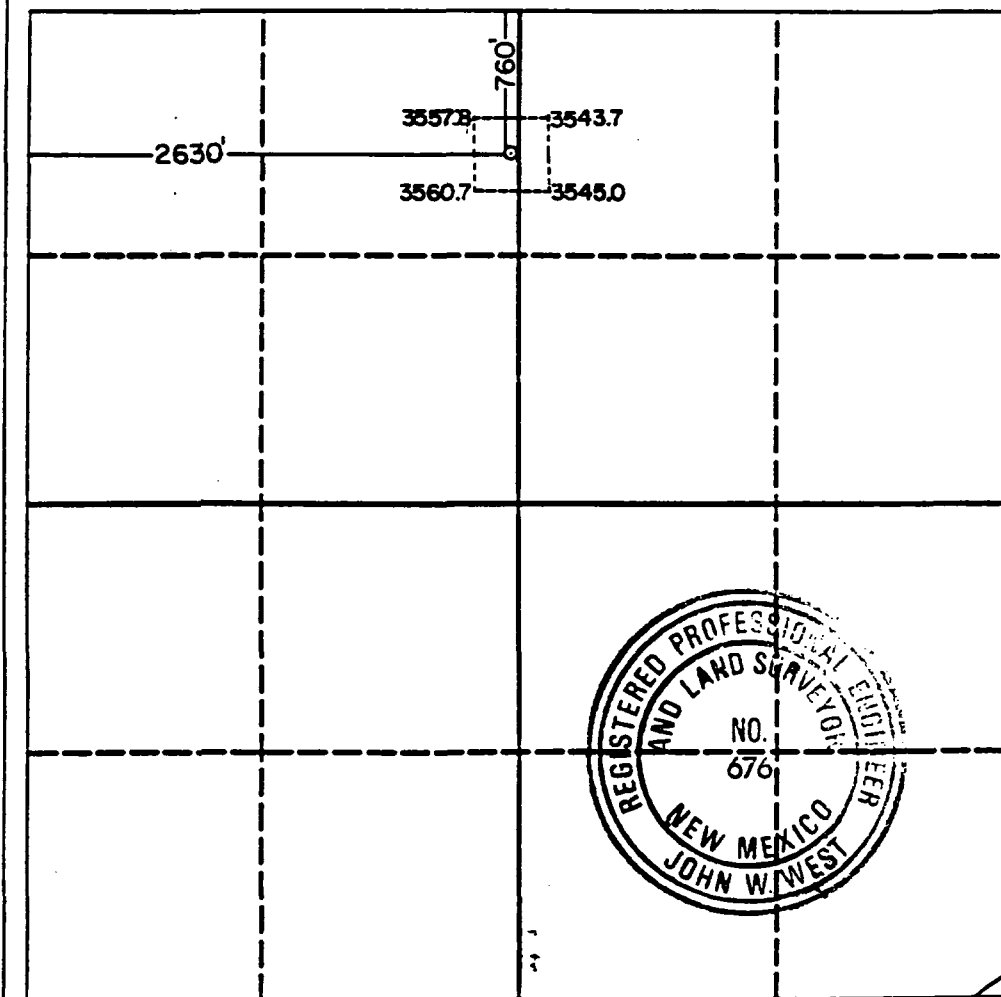
DISTRICT III
1000 Rio Pecos Rd., Albuquerque, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator CONOCO, INC.			Lease Barbra Federal		Well No. 13
Unit Letter C	Section 17	Township 19 South	Range 25 East	County Eddy	NMFM
Actual Footage Location of Well: 760 feet from the North line and 2630 feet from the West line					
Ground level Elev. 3548.4	Producing Formation Cisco		Pool North Dagger Draw		Dedicated Acreage: 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatch marks on the plot below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
- ☐ Yes ☐ No If answer is "yes" type of consolidation _____
- If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
- No allowable well be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Summary

Printed Name _____

Jerry W. Hoover

Position

Sr. Conservation Coordinator

Country

Conoco, Inc.

Date _____

6-13-91

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plan 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 knowledge and belief.

Data Surveyed

May 15, 1991

Signature & Seal of Professional Surveyor

Certificate No. JOHN W. WEST, 676
 RONALD J. EDSON, 3239

RONALD J ENDSON, 3239

EXHIBIT 1

BEFORE EXAMINER
OIL CONSERVATION DIVISION

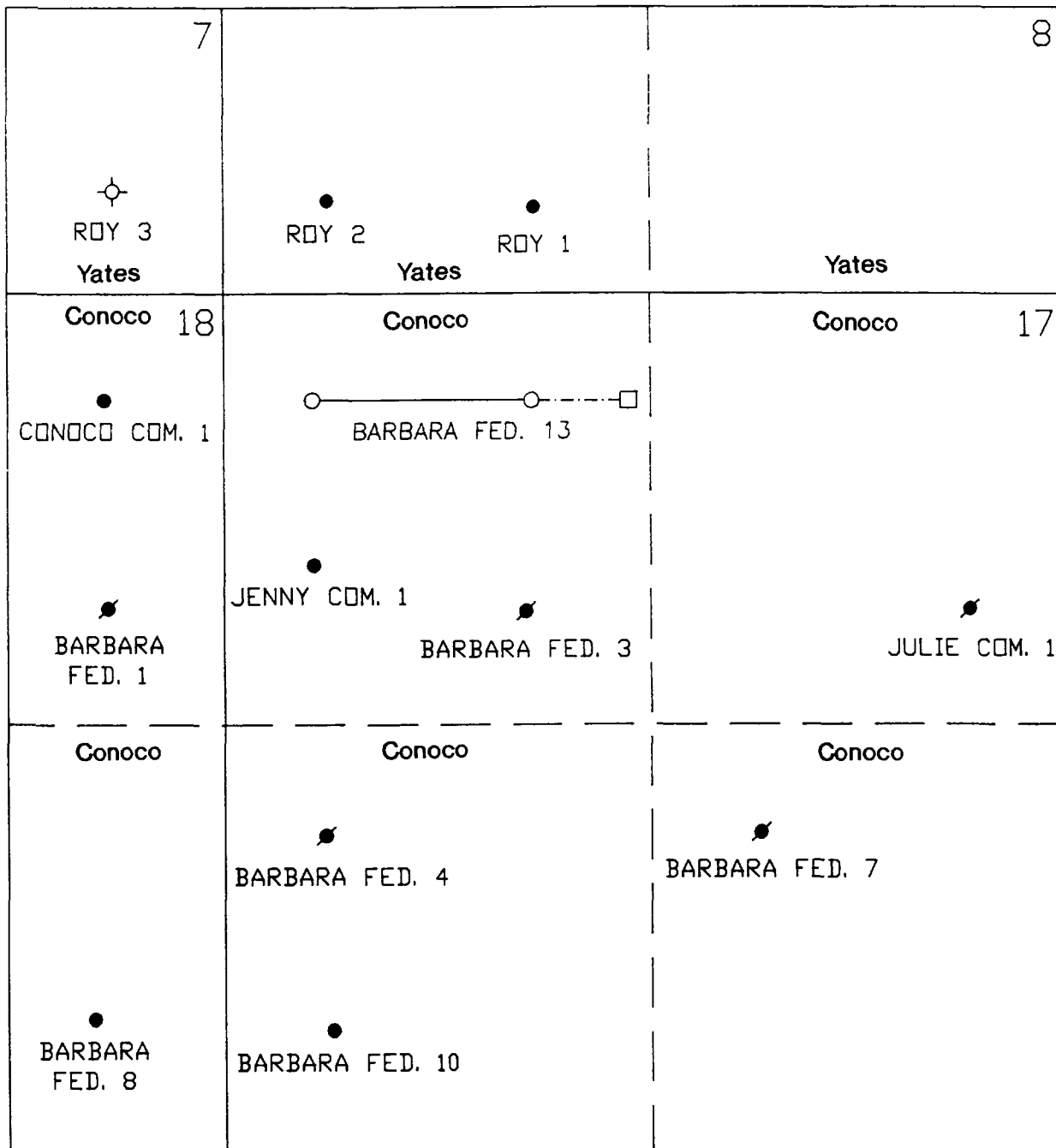
EXHIBIT NO. 1

CASE NO. 10339

Submitted by Conoco Inc.

Hearing Date 6-27-91

R-25-E



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19
S

EPNGNA MIDLAND DIVISION		
NORTH DAGGER DRAW POOL		
PROPOSED BARBARA FED. 13 HORIZONTAL WELL PROJECT		
PROJECT:		
COUNTY:	EDDY, NEW MEXICO	C.I.:
BY:	JERRY HOOVER	DATE: 5/29/91
REVISED BY:		DATE:
DRAFTED BY:	PAT JOHNSTON	SCALE: 1"=1000'
BUDGET JOB #	10-1006A	

EXHIBIT 2

BEFORE EXAMINER OIL CONSERVATION DIVISION	
EXHIBIT NO.	2
CASE NO.	10339
Submitted by	Conoco Inc.
Hearing Date	6-27-91

160-ACRE PRORATION UNIT FOR
BARBARA FEDERAL NO.3 AND JENNY COM NO.1
NW/4 SECT.17 T-19S R-25E

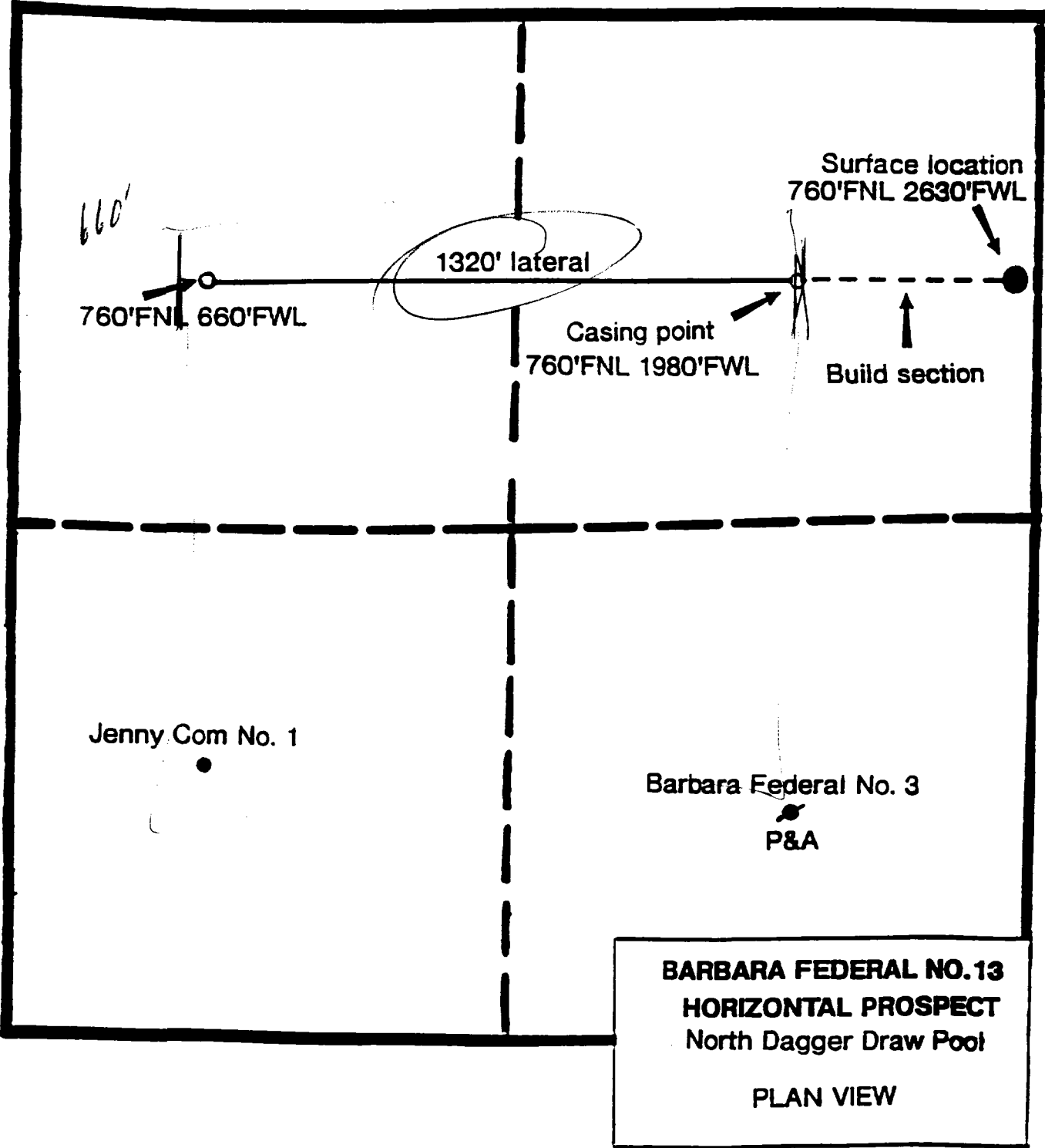


EXHIBIT 3

BEFORE EXAMINER
OIL CONSERVATION DIVISION
EXHIBIT NO. <u>3</u>
CASE NO. <u>10339</u>
Submitted by <u>Conoco Inc.</u>
Hearing Date <u>6-27-91</u>

760'FNL 2630'FWL

760'FNL 1980'FWL

760'FNL 680'FWL

BARBARA FEDERAL NO. 13
HORIZONTAL PROSPECT
North Dagger Draw Pool

SECTION VIEW

13-3/8" @ 1200'

Kick-off point
+/- 7100'

12-1/4" Pilot hole

9-5/8" set into target zone

8-3/4" Lateral

Drilled at 85-88 degrees

Top of Cisco Formation +/- 7550'

Top of Cisco target +/- 7775'

Bottom of Cisco target +/- 7875'

10' | 100'

Depths are true vertical and not to scale

EXHIBIT 4

BEFORE EXAMINER
OIL CONSERVATION DIVISION

EXHIBIT NO. 4

CASE NO. 10339

Submitted by Conoco Inc.

Hearing Date 6-27-91

ESTIMATED DIRECTIONAL PARAMETERS

Barbara Federal No. 13 Horizontal Well Project

760' FNL & 2630' FWL Sec.17, T-19S, R-25E Eddy County, NM

MD ft	INC deg	DIR deg	TVD ft	VS ft	LAT ft	DEP ft	D'LEG /100
7062	0.0	270.0	7062	0	0	-0	0.0
7100	3.8	270.0	7100	1	0	-1	10.0
7200	13.8	270.0	7199	16	0	-16	10.0
7300	23.8	270.0	7293	49	0	-49	10.0
7400	33.8	270.0	7381	97	0	-97	10.0
7500	43.8	270.0	7459	159	0	-159	10.0
7600	45.0	270.0	7529	230	0	-230	1.2
7700	45.0	270.0	7600	301	0	-301	0.0
7800	53.8	270.0	7666	376	0	-376	8.8
7900	63.8	270.0	7718	461	0	-461	10.0
8000	73.8	270.0	7754	554	0	-554	10.0
8100	83.8	270.0	7773	652	0	-652	10.0
8200	85.7	270.0	7781	752	0	-752	1.9
8300	85.7	270.0	7789	852	0	-852	0.0
8400	85.7	270.0	7796	951	0	-951	0.0
8500	85.7	270.0	7804	1051	0	-1051	0.0
8600	85.7	270.0	7811	1151	0	-1151	0.0
8700	85.7	270.0	7819	1250	0	-1250	0.0
8800	85.7	270.0	7827	1350	0	-1350	0.0
8900	85.7	270.0	7834	1450	0	-1450	0.0
9000	85.7	270.0	7842	1550	0	-1550	0.0
9100	85.7	270.0	7849	1649	0	-1649	0.0
9200	85.7	270.0	7857	1749	0	-1749	0.0
9300	85.7	270.0	7864	1849	0	-1849	0.0
9439	85.7	270.0	7875	1987	0	-1987	0.0

EXHIBIT 5

BEFORE EXAMINER OIL CONSERVATION DIVISION
EXHIBIT NO. <u>5</u>
CASE NO. <u>10339</u>
Submitted by <u>Conoco Inc</u>
Hearing Date <u>6-27-91</u>

R25E



Ernst
Dickering

40-50000
-4300
Abandoned

horizontal Well
should be conducive
to the

oil/water
contact
between 4290-4300'
contour

STRUCTURE CONTOURS IN RED
ISOPACH CONTOURS IN BLUE

RED Polimitizil
UE Carbinat
headarazum

SCALE 1" = 3000'	NAME MCCARTY/HARDIE	DATE 7-JUN-91
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EXHIBIT 6