

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 CONCHO OIL & GAS CORP. 550 W. Texas Ave, Suite 1300 Midland, TX 79701		OGRID Number 193407
		API Number 30-15-32987
Property Code 32850	Property Name Teledyne 20	Well No. 002

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	20	23S	29E		1650	N	1980	W	Eddy

Proposed Pools

UNDESS HARROUN RANCH; DELAWARE, NE

Work Type New Well	Well Type Oil	Cable/Rotary	Lease Type Private	Ground Level Elevation 2958
Multiple N	Proposed Depth 6600	Formation Brushy Canyon	Contractor	Spud Date 9/15/2003

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	400	350	0
Int1	11	8.625	32	2700	600	0
Prod	7.875	5.5	17	6600	850	2600

Casing/Cement Program: Additional Comments

Drill 17 1/2 hole to 400 w/fr. water. NU annular preventor and test to 1000# w/rig pump. Drill 11 hole to 2700 w/brine water. NU 3000# BOP & test to 3000# w/Independent tester. Drill 7 7/8 hole w/fr water, starch & gel to 6600
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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	2000	1000	
Double Ram	3000	3000	

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

Electronically Signed By: Erick Nelson

Title: Sr. Engineer

Date: 9/3/2003

Phone: 432-683-7443

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 9/10/2003

Expiration Date: 9/10/2004

Conditions of Approval:

There are conditions. See Attached.

APD Conditions Of Approval

Operator: 193407 CONCHO OIL & GAS CORP.

Well: Teledyne 20 002

OCD Reviewer	Condition
BARRANT	Operator to set surface casing above Salado formation. Please refer to offset logs for geological tops.

**Concho Exploration Inc.
Fasken Center, Tower II
550 W. Texas Ave., Ste 1300
Midland, TX 79701**

Brian Arrant
State Of New Mexico
Oil Conservation Division
1301 W. Grand Avenue
Artesia, NM 88210

RE: Concho Exploration, Inc.
Teledyne 20 #2
1650' FNL & 1980' FWL
Sec20-T23S-R29E
Eddy County, NM

This letter is in reference to the OCD's requirements for an H2S contingency plan for the above captioned well. No H2S, abnormal pressures or temperatures are expected in the drilling of the above captioned well. H2S detection equipment will be installed prior to the top of the Delaware formation as a precautionary measure

Erick W. Nelson
Engineer

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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 30-15-32987	Pool Name UNDESS HARROUN RANCH; DELAWARE, NE	Pool Code
Property Code 32850	Property Name Teledyne 20	Well No. 002
OGRID No. 193407	Operator Name CONCHO OIL & GAS CORP.	Elevation 2958

Surface And Bottom Hole Location

UL or Lot F	Section 20	Township 23S	Range 29E	Lot Idn	Feet From 1650	N/S Line N	Feet From 1980	E/W Line W	County Eddy
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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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: Erick Nelson

Title: Sr. Engineer

Date: 9/3/2003

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: Gary L. Jones

Date of Survey: 8/20/2003

Certificate Number: 7977