

## 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 <b>Concho Oil &amp; Gas Corp 110 W. Louisiana, Suite 410 Midland, TX 79701</b>		OGRID Number <b>193407</b>
		API Number <b>30-15-32703</b>
Property Code <b>32039</b>	Property Name <b>Southern Cross 27 State</b>	Well No. <b>002</b>

**Surface Location**

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	27	18S	24E		1980	S	1980	E	Eddy

**Proposed Pools**

UNDES. PENASCO-DRAW; PERMO PENN

Work Type <b>New Well</b>	Well Type <b>Gas</b>	Cable/Rotary	Lease Type <b>Private</b>	Ground Level Elevation <b>3738</b>
Multiple <b>N</b>	Proposed Depth <b>6700</b>	Formation <b>Pennsylvanian</b>	Contractor	Spud Date <b>3/29/2003</b>

**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	32	1250	800	0
Prod	7.875	5.5	17	6700	450	4500

**Casing/Cement Program: Additional Comments**

Dr 17.5 w/frwtr to 1250. Run 8-5/8 32# csg & cmt w/ 800 sx Cl C + add. NU 11 3000# dbl ram to 3000# & annBOP. Test dbl ram to 3000#&ann to 1500# w/ ind tester. 7-7/8 w/cutbrine,saltgel,&starchto 6700.5-1/217#J-55 csg&cmt w/450 sx ClC + add. Est TOC @ 4500.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	
Annular	300	1500	

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: Erick Nelson		Electronically Approved By: Bryan Arrant	
Title: Sr. Engineer		Title: Geologist	
Date: 3/26/2003		Approval Date: 3/26/2003	Expiration Date: 3/26/2004
Phone: 915-683-7443		Conditions of Approval: There are conditions. See Attached.	

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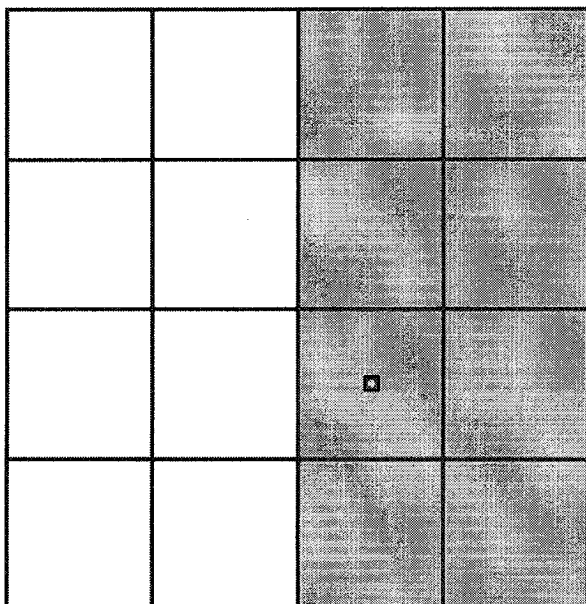
Form C-102

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-15-32703	Pool Name UNDES. PENASCO-DRAW; PERMO PENN	Pool Code
Property Code 32039	Property Name Southern Cross 27 State	Well No. 002
OGRID No. 193407	Operator Name Concho Oil & Gas Corp	Elevation 3738

**Surface And Bottom Hole Location**

UL or Lot J	Section 27	Township 18S	Range 24E	Lot Idn	Feet From 1980	N/S Line S	Feet From 1980	E/W Line E	County Eddy
Dedicated Acres 320	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: Erick Nelson

Title: Sr. Engineer

Date: 3/26/2003

**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 Jones

Date of Survey: 2/12/2003

Certificate Number: 7977

## APD Comments

**Operator:** 193407 Concho Oil & Gas Corp

**Well:** Southern Cross 27 State 002

User Name	Comment	Comment Date
BARRANT	Operators TD of 6700 takes this well only to the Upper Penn. Application for Morrow is significantly deeper.	3/27/2003

## APD Conditions Of Approval

**Operator:** 193407 Concho Oil & Gas Corp

**Well:** Southern Cross 27 State 002

OCD Reviewer	Condition
BARRANT	See coment section.
BARRANT	Operator to notify OCD time of spud and to witness cementing of water protection string. Cement on production string to cover ALL oil, gas and water bearing zones.