

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, 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 South St. Francis Dr.
Santa Fe, NM 87505



Form C-101
Revised March 17, 1999

State Lease - 6 Copies
Free Lease - 5 Copies

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

¹ Operator Name and Address Myco Industries, Inc. P.O. Box 840 Artesia, NM 88211-0840		² OGRID Number 015445
³ Property Code 32144	⁵ Property Name Panther City 31 Fee Com	⁴ API Number 30 - 015 - 32704 ⁶ Well No. 1

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	31	21S	28E		1980'	North	660'	East	Eddy

⁸ Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
⁹ Proposed Pool 1					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3142
¹⁶ Multiple N	¹⁷ Proposed Depth 12,100'	¹⁸ Formation Morrow	¹⁹ Contractor Patterson-UTI	²⁰ Spud Date 04/2003

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	475'	600	Circulate
12-1/4"	9-5/8"	36#	2450'	1000	Circulate
8-3/4"	5-1/2"	17#	12,100'	1200	8100'
Conductor Pipe			40'		Circulated

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.

Describe the blowout prevention program, if any. Use additional sheets if necessary.

Myco proposes to drill and test the Morrow and intermediate formations. A 5000 PSI BOP will be installed on the 9-5/8" and tested daily. Cement will cover all oil, water and gas bearing zones. MYCO will notify NMOC of spud and time to witness cement on surface and intermediate strings. A mud-gas separator will be installed and tested before drilling the Wolfcamp. Mud Program: 0-475' Fresh water, 475'-2450' Fresh water unless excessive chlorides in the mud. 2450'-8300' Fresh water 8.3-ppg. Vis. 28-29, PH 10.2-.3. 8300'-10,000' Cut brine 9.9-10 ppg. Vis. 28-29, PH 9.0-9.5. 10,000'-TD Mud up to 9.8-10.0 ppg. Vis. 32-36, WL<10.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:
Printed name: Shari D. Hodges

Title: Land Manager

Date: 3-25-03

Phone: (505) 748-4290

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date: MAR 27 2003

Expiration Date: MAR 27 2004

Conditions of Approval:

Attached ☐

DISTRICT I

P.O. Box 1880, Hobbs, NM 88241-1880

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II

P.O. Drawer 55, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III

1000 Rio Brazos Rd., Arden, NM 87410

DISTRICT IV

P.O. Box 2000, Santa Fe, N.M. 87504-2000

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name PANTHER CITY "31" FEE COM	Well Number 1
OGRID No.	Operator Name MYCO INDUSTRIES, INC.	Elevation 3142'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	31	21-S	28-E		1980	NORTH	660	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 1									
LOT 2									
LOT 3									
LOT 4									

GEODETIC COORDINATES
NAD 27 NME
Y = 523264.5
X = 556082.4
LAT. 32°26'18.19"N
LONG. 104°07'08.89"W

DETAIL
3135.6' 3140.7'
600'
3143.4' 3148.3'
600'

SEE DETAIL
660'

OPERATOR CERTIFICATION

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

Shari Hodges
Signature

SHARI HODGES, L.P.
Printed Name

LAND MANAGER
Title

25 MARCH 2003
Date

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.

MARCH 24, 2003

Date Surveyed

Ronald G. Edson
Signature

RONALD G. EDSON
Printed Name

NEW MEXICO
Professional Surveyor

83.11.0296
Registration No.

RONALD G. EDSON 8259 13841
Certification No.

(E/2)

MYCO INDUSTRIES, INC.
TYPICAL 5,000 p.s.i.
BLOWOUT PREVENTER & CHOKE MANIFOLD SCHEMATIC

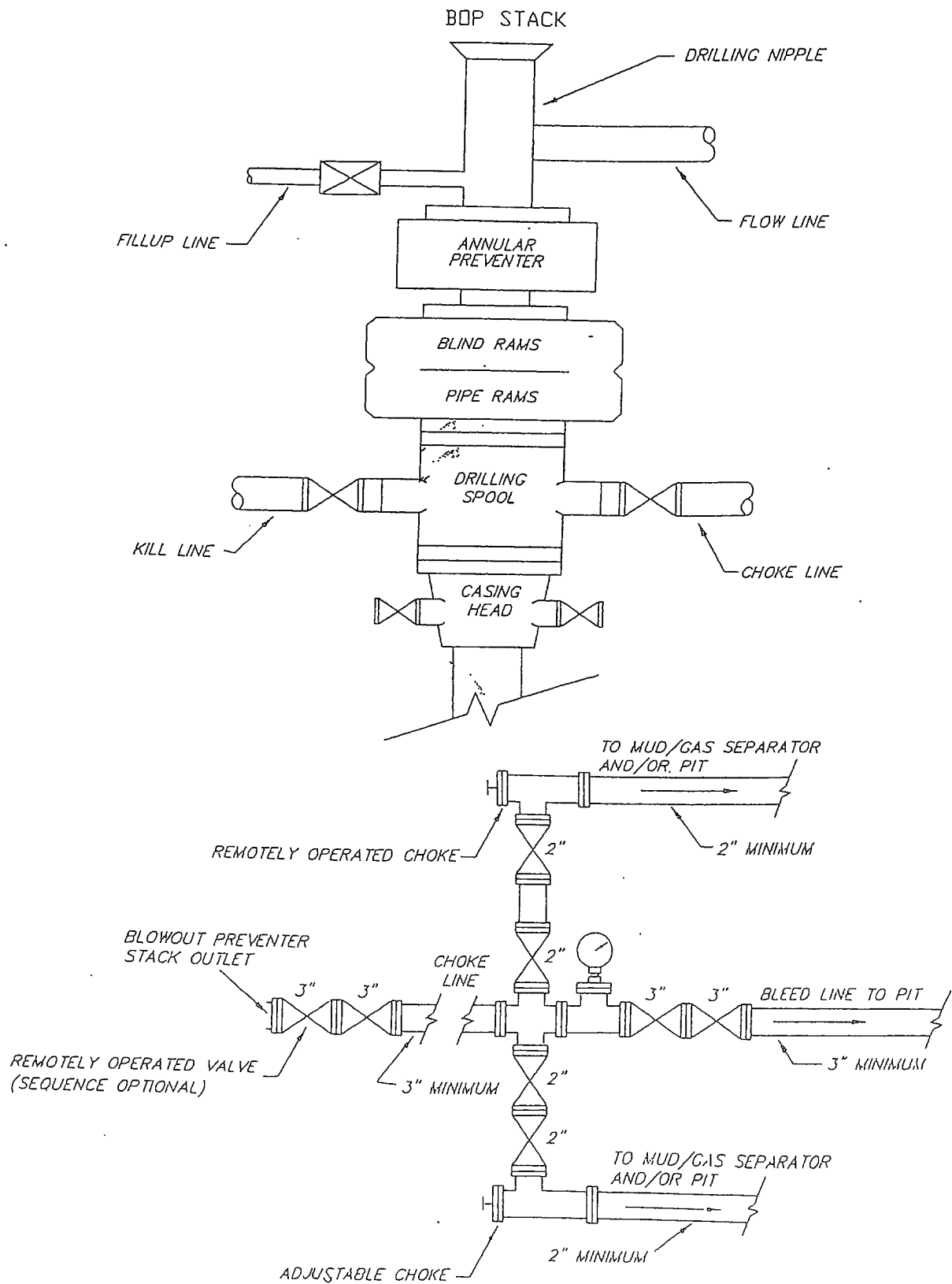


DIAGRAM -1