* 3	V. M . G				JSP	•
				Ĺ	ン	
				1		
Form 3160-3 (August 1999) UNITED STA	ATES			· · ·	No. 1004-0 November 3	
DEPARTMENT OF T		IOR HEALEN	2. 2.	5. Lease Serial No		
BUREAU OF LAND MA	ANAGEMENT		1	NM-14768A		
APPLICATION FOR PERMIT T	O DRILL C	DR REENTER		6. If Indian, Allott		
	=1		··········	7. If Unit or CA A	Applica greement, N	
Ia. Type of Work: X DRILL	REENTER				Applica	
b. Type of Well: Oil Well 🖌 Gas 🚺 Oth Well	er	Single Zone	Multiple Zone	8. Lease Name and PHOENIX FEE	d Well No.	28053
2. Name of Operator				9 API Well No.		1770
Myco Industries, Inc. 15145					<u>5 - 3</u>	
3A. Address P.O. Box 840	3b. Pho	ne No. (include area code		10. Field and Pool, Carlsbad Mor		
Artesia, New Mexico 88210 4. Location of Well (Report location clearly and in accordance with	any State req	(505) 746-024 uirements.*)	10	11. Sec., T., R., M.		
·	IL & 2024'	1. A				
	NL & 202	4' FWL	· ·	Section 26, T		
14. Distance in miles and direction from nearest town or post office*				12. County or Paris	sh	13. State
Inside Carlsbad city limits 15. Distance from proposed*	16 No	of Acres in lease	17 Spacing Ur	Eddy hit dedicated to this we		New Mexico
location to nearest 616'		, of Horos in rease	The spacing of			
(Also to nearest drig. unit line, if any) 18. Distance from proposed location*	10 0		20	320-acr Bond No. on file	es	
to nearest well, drilling, completed, applied for, on this lease, ft. 2000'	19. Pro	oposed Depth 12,100'		ionwide Bond	#NM-58	59 71
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Ap	proximate date work will s	start*	23. Estimated dura	tion	
3169' GR		May 1, 2001	 *		35 Days	
		Attachments	Carlohod C	minolled Water	Besh	
The following, completed in accordance with the requirements of Onsi	hore Oil and G	as Order No. 1, shall be att	tached to this forr	n:		
1. Well plat certified by a registered surveyor.		4. Bond to cover	the operations	inless covered by an ex	xisting bond	l on file (see
2. A Drilling Plan.		Item 20 above	e).			
3. A Surface Use Plan (if the location is on National Forest System La	ands, the	5. Operator certif				
SUPO shall be filed with the appropriate Forest Service Office.		6. Such other site authorized offi		tion and/or plans as ma	iy be require	ed by the
25. Signature		Name (Printed/Typed)			Date	
AINIMUNI PELS	- < 34	Nelson A. Muncy	,			/30/2001
Title:	<u>.</u>			· · ·		
Operations and Engineer Manager		······				
Approved by (Signature) /S/ Mary Pugwell		Name (Printed/Typed)	V Mary J	Bugwell	Date MAY	0 9 2001
FIELD MALACE		Office		11. 11.12 (11.17)		
Application approval does not warrant or certify that the applicant hole	ds legal or equ	itable title to those rights in	the subject lease	which would entitle th	he applicant	to conduct
operations thereon.	ε.	C C				
Conditions of approval, if any, are attached.						
Title 18 U.S.C. Section 1001ar Internet States any false, fictitious or fr NOTIFY OCD SPUD & TIME T	O WITNESS		willfully to make	to any department or a	igency of the	e United
*(Instructions on reverse) WATER PROECTION STRING	,	i. :		L SUBJECT I REQUIREMENT STIPULATION	ents a	NO

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SUNDF Do not use th abandoned w SUBMIT IN TF I. Type of Well Oil Well Gas Well 2. Name of Operator MCO IND 3a. Address	WSTRIES, INC.	enter an oposals. 	FORM APPR OMB No. 100 Expires Novembe 5. Lease Serial No. NM-147 6. If Indian, Allottee or T 7. If Unit or CA'Agreeme 8. Well Name and No. PHOENIX FE 9. API Well No. 10. Field and Pool, or Exp	14-0135 Er 30, 2000 688 Fribe Name ent, Name and/or No. D CoM # 1
POB 840 AR	TESIA , NM 882 (0 (505) c., T., R., M.: or Survey Description)	<u></u>		MORROW, E.
1890' FNL 2 2			11. County or Parish, Stat	e
•	-		EDDY CO.	NM
<u> </u>	R27E (UNIT F) NMPA PPROPRIATE BOX(ES) TO INDICATE	NATURE OF NOTICE	REPORT OR OTHER I	DATA
12. CHECK A	T			
TYPE OF SUBMISSION		TYPE OF ACTION		
Notice of Intent	Acidize Deepen Alter Casing Fracture Tr Casing Repair New Const	eat Reclamation	🚺 Other 🕻	LORRECT
Subsequent Report	Change Plans Plug and A	bandon 🔲 Temporarily		o" on C-102
Final Abandonment Notice	Convert to Injection Plug Back ed Operation (clearly state all pertinent details, incl	Water Dispo		ey PLAT
following completion of the in testing has been completed. I determined that the site is read WELL WAS C FLAGGED - AA THE C-102 S AT 1980 ^I FN USED ON TO THIS SUND FLAGGED I LOCATION	ORRECTLY SURVEYED CH'D. URUEY PLAT (1-30-01) IL & ZOZH'FWL. THE HE APD AND THE A MY NOTICE AFFIRMS IN THE FIELD AND AS NOTED ABOUE Ding is true and correct	AT 1890'Fr WAS ISSUE E"TYPO" PU RCH JTUDU THAT THE	NL 2011' FU ED WITH A"T AT FOOTAGES 1. RIGHT LOCATA	ed, and the operator has UL AND 'YPO" WERE
A.N. MUNCU		The ENDR-OF	an mon	
Signature AIN MM	THIS SPACE FOR FEDERA			
Conditions of approval, if any, and certify that the applicant holds le which would entitle the applicant	re attached. Approval of this notice does not wan gal or equitable title to those rights in the subject to conduct operations thereon. Title 43 U.S.C. Section 1212, make it a crime for a blact catemants or representations as to any matter	ant or lease Office CAR	ANAGER Date MAY	NFF-108
Title 18 U.S.C. Section 1001 and States any false, fictitious or fraud	Title 43 U.S.C. Section 1212, make it a crime for a ulent statements or representations as to any matter	within its jurisdiction.		

DISTRICT I P.O. Box 1980, Bobbs, NM 80241-1980 State of New Mexico

Energy, Minerals and Matural Resources Department OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

□ AMENDED REPORT

DISTRICT II P.O. Drawer DD, Artesia, NM 58211-0719

DISTRICT III 1000 Rio Brazos Rd., Axtec, NM 87410

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Name API Number Pool Code Property Name Well Number Property Code 1 PHOENIX FEDERAL Elevation Operator Name OGRID No. MYCO INDUSTRIES, INC. 3169 Surface Location Feet from the North/South line Feet from the East/West line County II. or lot No. Section Township Range Lot Idn WEST EDDY 1890 NORTH 2017 F 21-S 26 27-E Bottom Hole Location If Different From Surface North/South line East/West line County Lot Idn Feet from the Feet from the UL or lot No. Section Township Range 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



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. <u>26</u> TWP.<u>21S</u> RGE. <u>27–E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>1890' FNL & 2017' FWL</u> ELEVATION <u>3169'</u> OPERATOR <u>MYCO INDUSTRIES, INC.</u> LEASE <u>PHOENIX FEDERAL</u>

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

MYCO INDUSTRIES, INC. PHOENIX FEDERAL COM #1 1980' FNL & 2024' FWL Section 26 –T21S-R27E Unit Letter F (W/2) Eddy County, New Mexico

1. The estimated tops of geologic markers are as follows:

Bell Canyon Brushy Canyon Bone Spring LS Wolfcamp	2650' 3980' 5500' 9050'	Atoka Morrow "A" Morrow "B" Morrow "C"	11,000' 11,400' 11,500' 11,750' 12,100'
Strawn	10,400	TD	12,100'

2. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water:	350' – 400'
Oil or Gas:	9,700'-11,950'

- 3. Pressure Control Equipment: BOPE will be installed on the 9-5/8" casing and rated for 5000 BOP. Systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.
- A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.

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- 4. THE PROPOSED CASING AND CEMENTING PROGRAM:
- A. Casing Program: (All New)

Hole Size	Casing Size	Wt./F <u>t.</u>	Grade	Thread	Coupling	Interval	Length
	13 3/8"	48.0#	H-40	8R WI	Coupling MESST&C	0-475'	475'
17 1/2"	13 3/0	40.0#				0.0 500'	2,500'
12 ¼"	9 5/8"	36.0#	J-55	8R	LT&C	0-2,500'	_,
8 3/4"	5 ½"	17.0#	K/N-80	8R	LT&C	0-12,100'	12,100'

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.8

B. CEMENTING PROGRAM:

Surface Casing: 13 3/8" casing circulate cement 550 sacks.

Intermediate Casing: 9 5/8" casing circulate cement 900 sacks.

Production Casing: 5 1/2" casing circulate cement 900 sacks, (Est. TOC @ 8100').

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

Interval	Type	<u>Weight</u>	Viscosity	<u>FluidLoss</u>		
Spud to 475'	FW	8.6- 9.8	32-40	N/C	•	
475'-2500'	Cut Brine	10.0 -10.3 🐘 🍋	28	N/C	24	all at the
2500'-TD	SW Gel/Starch	9.4-9.8	32-40	10cc	2	Alexander git

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: 2500' to TD (12,100'). Logging: Mud Logger (1-man); 2500'- TD * GR 0'--TD, Porosity & Resistivity 2500'- TD. Coring: None anticipated DST's: None anticipated

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE, AND POTENTIAL HAZARDS:

Anticip	ated BH	IP:	
•		TO: 450'	Anticipated Max. BHP: 200 PSI
From:	450'	TO: 2500'	Anticipated Max. BHP: 500 PSI
From:	2500'	TO: TD	Anticipated Max. BHP: 5000 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None

Maximum Bottom Hole Temperature: 170 Degrees F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 40 days to drill the well with completion taking another 10-20 days.

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MULTI-POINT SURFACE USE AND OPERATIONS PLAN Myco Industries, Inc. Phoenix Federal Com #1 1980' FNL & 2024' FWL Section 26, T21S-R27E Unit Letter F (W/2) Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 2.5 miles east of Carlsbad, New Mexico. The access route to the location is indicated on Exhibit A.

DIRECTIONS Turn north on first road west of old SAF Energy office (east side Carlsbad – in city limits) and go 600' NW, 800' W, 1300' N and 171' East to location.

2. PLANNED ACCESS ROAD:

- A. The proposed new access will be approximately 2871 Ft. in length south from the point of origin off the Hobbs Hwy to the drilling pad. The road will be an improvement of an existing road.
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on one side. Some traffic turnouts will be built.
- D. The route of the road is visible because it follows an existing road.

3. LOCATION OF EXISTING WELL:

- A. There is drilling activity within a one-mile radius of the wellsite. The well site is inside the Carlsbad city limits.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed wellsite.
- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
 - A. There are no production facilities on this lease at the present time.
 - B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

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Phoenix Federal Com #1 Page 2

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

6. SOURCE OF CONSTRUCTION MATERIALS:

Dirt contractor will locate nearest pit and obtain any permits and materials needed for construction.

- 7. METHODS OF HANDLING WASTE DISPOSAL:
 - A. Drill cuttings will be disposed of in the reserve pits.
 - B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
 - Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
 - D. Oil produced during operations will be stored in tanks until sold.
 - E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
 - F. All trash, junk, and other waste materials will be contained in trash cages or
 - bins to prevent scattering and will be removed and deposited in an approved sanitary land fill. Burial on site is not approved.
 - 8. ANCILLARY FACILITIES: None
 - 9. WELLSITE LAYOUT:
 - A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
 - B. The reserve pits will be plastic lined.
 - C. A 400' x 400' area has been staked and flagged.
- 10. PLANS FOR RESTORATION:
 - A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
 - B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.
 - C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.
- 11. SURFACE OWNERSHIP: BLM

Phoenix Federal Com #1 Page 3

12. OTHER INFORMATION:

- A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
- B. The primary surface use is for grazing.

13. OPERATOR'S REPRESENTATIVE:

Nelson Muncy, PELS Operations and Engineering Manager Myco Industries, Inc. P.O. Box 840 Artesia, New Mexico 88210 Phone: (505)746-0246 / (505)746-0247 / (505) 365-8840

14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Myco Industries, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

03/30/01

OPERATIONS MANAGER

DISTRICT I P.0. Box 1960, Hobbs, NM 88241-1960

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Artec, NM 87410 State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

	Number	Pool Code Pool N							
Property	Code				Well Number				
			PHOENIX FEDERAL						
OGRID N	0.	MYCO INDUSTRIES, INC.						Elevation 3169	
		J			Surface Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	26	21-S	27-E		1980	NORTH	2024.	WEST	EDDY
			Bottom	Hole Loc	eation If Diffe	erent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acre		or Infill Co	nsolidation (der No.				
NO ALLO	WABLE V					INTIL ALL INTER APPROVED BY		EEN CONSOLIDA	TED
NO ALLO	OWABLE V	OR A N	ION-STAN				THE DIVISION OPERATO I hereb contained hereit best of my know)R CERTIFICAT y certify the the inj n is true and complu uledge and belief.	TON formation ste to the
NO ALLO	OWABLE V	OR A N					THE DIVISION OPERATO I hereb contained hereit best of my know Ginning Signature	DR CERTIFICAT y certify the the inj n is true and comple uledge and belief.	TION formation site to the
NO ALLO	OWABLE V	OR A N	ION-STAN				THE DIVISION OPERATO I hereb contained hereit best of my know Ginning Signature	DR CERTIFICAT y certify the the inj n is true and complu- uledge and belief. UMMY , PEL	TION formation site to the

	best of my knowledge and belief.
.0861	UINIMUMUY, PELS
3183.0'3167.5'	A.NELSON MUNCY Printed Name OPER. { ENGR. MGR
2024' 3175.8' 3163.2'	Title 328 01 Date
	SURVEYOR CERTIFICATION
SPC NME NAD 1927	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 supervison and that the same is true and correct to the best of my belief.
N=528621 E=552873	JANUARY 30, 2001 Date Surveyed AWB
	Signature & Seal of Professional Surveyor
	Certificate Ne. RONALD J EDSON 3239 GARY EDSON 12641

VICINITY MAP EXHIBIT A





* WELL PAD LOCATED _ INSIDE CARLSBAD _ CITY LIMITS.

> JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117



OPERATOR MYCO INDUSTRIES, INC.

LEASE______PHOENIX_FEDERAL

U.S.G.S. TOPOGRAPHIC MAP CARLSBAD EAST N.M.

(505) 393-3117

EIHIEIT B

MYCO INDUSTRIES, INC. PHOENIX FEDERAL #1 1980' FNL & 2024' FWL (UNIT F) SEC. 26-T21S-R27E NMPM EDDY CO, NM NM-14768A



BLOWOUT PREVENTOR SCHEME



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MYCO INDUSTRIES, INC. OIL PRODUCERS POST OFFICE BOX 840 ARTESIA, NEW MEXICO 88211-0840 Phone (505) 748-1471

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No. NM-14768A

Bond Coverage: Individually Bonded

Legal Description of Land: Township 21 South, Range 27 East Section: 26: W/2 Eddy County, New Mexico BLM Bond File No.: 58 59 71

Formation (s) (if applicable):

N/A

MYCO INDUSTRIES, INC.

ب المرزين Corporate Secretary

Date: 2/10/2002

MYCO INDUSTRIES, INC. PHOENIX FEDERAL #1 1980' FNL & 2024' FWL (UNIT F) SEC. 26-T21S-R27E NMPM EDDY CO, NM NM-14768A

EXHIBIT D

