

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

591

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
MYCO INDUSTRIES, INC.

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 840, Artesia, NM 8211-0840 (505)748-4274

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 660' ISL & 660' FWL UNIT M
At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
39-MILES WEST AND NORTH OF JAL, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 617.92

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2700'

19. PROPOSED DEPTH 9400'

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL 3526'

22. APPROX. DATE WORK WILL START* 6-15-2000**

5. LEASE DESIGNATION AND SERIAL NO.
NM-86151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
BLUE QUAIL FEDERAL #2

9. API WELL NO.
30-025-35047

10. FIELD AND POOL, OR WILDCAT
SAND DUNES BONE SPRINGS

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 7-T23S-R32E NMPM

12. COUNTY OR PARISH
LEA

13. STATE
NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48# H-40	600' 845'	500-SXS (CIRCULATE) WITNESS
12 1/4"	8-5/8"	32# J-55	4600'	1400-SXS (CIRCULATE)
7-7/8"	5 1/2"	17# K-55	9400'	900-SXS (TIE BACK TO 8-5/8")

MYCO INDUSTRIES, INC. PROPOSES TO DRILL AND TEST THE BONE SPRINGS AND INTERMEDIATE FORMATIONS. APPROXIMATELY 600' OF SURFACE W/CMT. CIRC. AND APPROXIMATELY 4600' OF INTERMEDIATE W/CMT. CIRC. IF COMMERCIAL, PRODUCTION CASING WILL BE RUN AND CMT. (DV TOOL APPROX. 6400') TIED BACK TO THE INTERMEDIATE IN TWO STAGES. THE WELL WILL BE PERFORATED AND STIMULATED AS NEEDED FOR PRODUCTION. A 640-PUMPING UNIT WITH ELECTRICITY IS ANTICIPATED FOR PRODUCTION.

A FIELD SURVEY HAS BEEN PERFORMED WHICH HAS DETERMINED THAT THERE ARE NO PRAIRIE CHICKENS IN THE AREA AND A COPY OF THE FIELD SURVEY PREPARED BY DR. TROY L. BEST, AUBURN UNIVERSITY IS ATTACHED.

** REQUEST EXEMPTION TO PRAIRIE CHICKEN STIPS FOR DRILLING, COMPLETION AND WORKOVER PURPOSES.

*** REQUEST EXEMPTION TO THE H2S DRILLING STIPS.

OPER. OGRID NO. 15445
PROPERTY NO. 18039
POOL CODE 53800
EFF. DATE 5-30-00
API NO. 30-225-35047

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer.

24.

SIGNED AINIMUNY, PELS TITLE OPERATIONS MANAGER DATE 4/19/2000

(This space for Federal or State official use)
ORIGINAL SIGNATURE OF DISTRICT SUPERVISOR

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

Acting Assistant Field Manager,
Lands And Minerals

APPROVED BY ORIG. SIGNED: DOMINGO A. LOPEZ TITLE _____ DATE MAY 2 12 2000

*See Instructions on...

APPROVED FOR 1 YEAR

RECEIVED
APR 21 2 11 PM
ELM
RECEIVED

RECEIVED
APR 21 2 11 PM
RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35047	Pool Code 53800	Pool Name Sand Dunes; Bone Spring
Property Code 18039	Property Name BLUE QUAIL FEDERAL	Well Number 2
OGRID No. 15445	Operator Name MYCO INDUSTRIES, INC.	Elevation 3526

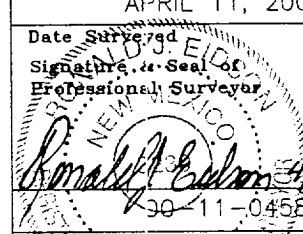
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 4	7	23 S	32 E		660	SOUTH	660	WEST	LEA

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 40	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 45.96 ACRES LOT 2 <div style="text-align: center;"> <div style="display: inline-block; text-align: left;">3520.7'</div> <div style="display: inline-block; text-align: right;">3525.7'</div> <div style="margin: 0 auto; text-align: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; line-height: 40px; margin: 0 auto;">O</div> </div> <div style="display: inline-block; text-align: right;">3523.1'</div> <div style="display: inline-block; text-align: left;">3528.2'</div> </div> <p style="text-align: center;"><u>DETAIL</u></p> <p><u>SEE DETAIL</u></p>			OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <div style="border-bottom: 1px solid black; padding-bottom: 5px;"> <i>A. N. Muncy</i>, PELS </div> Signature <div style="border-bottom: 1px solid black; padding-bottom: 5px;"> A. N. MUNCY </div> Printed Name <div style="border-bottom: 1px solid black; padding-bottom: 5px;"> OPER MGR </div> Title <div style="border-bottom: 1px solid black; padding-bottom: 5px;"> 4/15/00 </div> Date
45.98 ACRES LOT 3 45.98 ACRES LOT 4 <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <div style="text-align: center;">660'</div> <div style="border-left: 1px solid black; height: 60px; margin: 0 auto;"></div> <div style="text-align: center;">660'</div> </div> <div style="border: 1px solid black; width: 100px; height: 100px; margin: 0 auto; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 50%; height: 50%; border: 1px solid black; border-radius: 50%;"></div> </div> </div> <p style="text-align: center;">6.00 ACRES</p>			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. <div style="text-align: right; padding-right: 20px;">APRIL 11, 2000</div> <div style="display: flex; justify-content: space-between;"> <div> Date Surveyed Signature & Seal of Professional Surveyor </div> <div style="text-align: right;">DC</div> </div> <div style="text-align: center; margin-top: 10px;">  </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> Certificate No. RONALD J. EIDSON GARY EIDSON MACON McDONALD </div> <div style="text-align: right;"> 3239 12641 12.00 </div> </div>

31

6

5

4

BLUE QUAIL FEDERAL #2

8

9

18

17

16

SCOTLEG

HOOGE

31

6

128

FAS 1271

WATER

Bell Lake

MORNINGSTOCK 3693

TRANS WESTERN

7

1

5

7

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

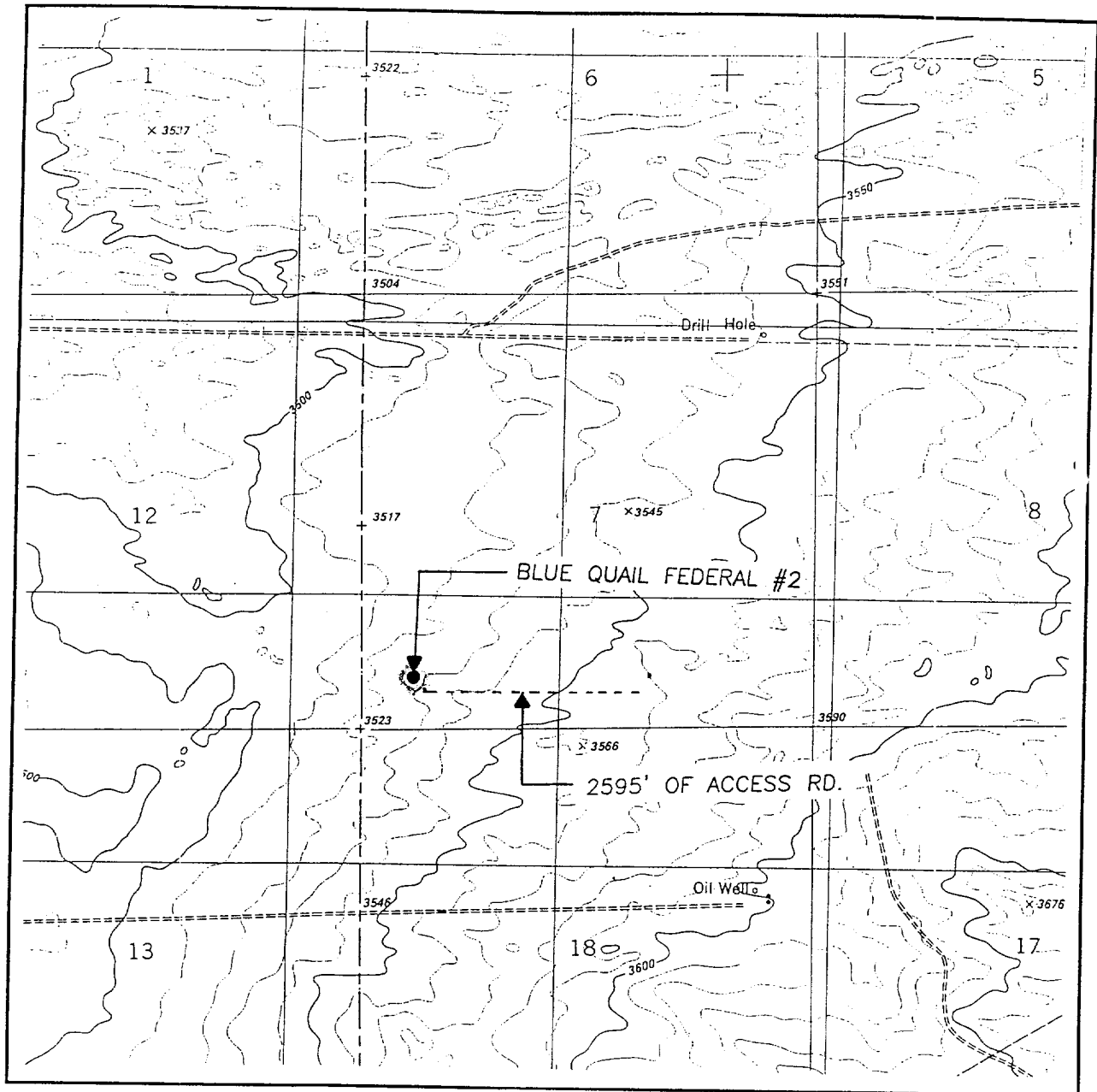
Q

R

S

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
BOOTLEG RIDGE - 10'

SEC. 7 TWP. 23-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 660' FSL & 660' FWL

ELEVATION 3526

OPERATOR MYCO INDUSTRIES, INC.

LEASE BLUE QUAIL FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

BOOTLEG RIDGE, N.M.

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

MYCO INDUSTRIES, INC.
BLUE QUAIL FEDERAL #2
660' FSL & 660' FWL UNIT M
S7-T23S-R32E NMPM
LEA COUNTY, NM
NM-86151

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

Rustler	1020'	Cherry Canyon	5650'	TD	9400'
Bottom of Salt	4420'	Brushy Draw	7500'		
Top of Delaware	4650'	Bone Springs mkr.	8600'		

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

Water:	150-250'
Oil or Gas	7000' and 9300'

3. **PRESSURE CONTROL EQUIPMENT:** BOPE will be installed on the 13 3/8" casing and rated for 3M 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.

AUXILIARY EQUIPMENT:

- A. Auxiliary Equipment: Kelly cock, pit level indicators, and 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 in not in use.

4. **THE PROPOSED CASING AND CEMENTING PROGRAM:**

- A. Casing Program: (All New)

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Thread</u>	<u>Coupling</u>	<u>Interval</u>	<u>Length</u>
17 1/2"	13 3/8"	48#	H-40	8R	ST&C	0-600'	600"
12 1/4"	8 5/8"	32#	J-55	8R	LT&C	0-4600	4600'
7 7/8"	5 1/2"	17#	K-55	8R	LT&C	0-9400'	9400'

Minumum Casing Design Factor: Collapse 1.3, Burst 1.5, Tensile Strength 2.0

- B. **CEMENTING PROGRAM:**

Surface casing : 300 sx. "C" w/ 4% Gel, 2% Cacl2
(wt. 13.5 ppg. Yield 1.74 cu. ft) & 200 sx. Class "C" w/ 2% Cacl2 (wt. 14.8 ppg. yield 1.34 cu. ft)
Circulate to surface.

Intermediate Casing: 1300 sx. 35/65 Poz "H" w/6% Gel 5% NaCl, 1/4# Flocele (12.8 ppg. 1.94 cu. ft.) + 200 sx. Class"H"(wt. 15.6 ppg. Yield 1.18 cu ft.) Circulate to surface.

Production Casing: 1st stage: 750 sx. 50/50 Poz "H" w/2% Gel, 5% NaCl, 1/4# Flocele (wt. 14.2 ppg Yield 1.35 cu. ft.) DV Tool; set at approx. 6400 ft.

2nd Stage: 750 sacks 35/65 Poz "H" w/6% Gel, 5% NaCl, 1/4# Flocele (12.8 ppg 1.94 cu. ft.) + 200 sacks "H" (wt. 15.6 ppg Yield 1.18 ft3). Tie back to intermediate casing (100').

5. **MUD PROGRAM AND AUXILIARY EQUIPMENT:**

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-600	FWGel	8.4/8.9	32-36	N/C
600-4600	Brine	10.0	28	N/C
4600-TD	Cut Brine	8.9/9.3	28	<15cc

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

6. **EVALUATION PROGRAM:**

Samples: Every 10' from intermediate casing to TD

Logging: G/R from surface to TD; CNL/LTD & DLL/MSFL 4600' to TD.

Coring: None anticipated

DST's: 1 – Bone Springs

7. **Abnormal Conditions, Bottom hole pressure and anticipated BHP:**

From: 0	To: 600'	Anticipated Max. BHP: 250 PSI
From: 600	To: 4600'	Anticipated Max. BHP: 750 PSI
From: 4600	To: 9400' (TD)	Anticipated Max. BHP: 2800 PSI

Anticipated Potential Hazards: None

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None – Based on the 3-Myco wells drilled in Sec. 7 (Blue Quail Fed. #1, Sharbro Fed #1, & Bitsy Fed. #1). REQUEST EXEMPTION FOR H2S DRILLING STIPS.

Maximum Bottom Hole Temperature: 165 Degrees F

8. **ANTICIPATED STARTING DATE:**

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 15 days to drill the well with completion taking another 20 days. This well lies in the CRMA prairie chicken area as defined by the 1996 NM GAP analysis study; NM State University. MYCO INDUSTRIES, INC. REQUESTS AN EXEMPTION FROM THE MARCH 15 – JUNE 15 PRAIRIE CHICKEN STIPS FOR THE DRILLING, COMPLETION & WORKOVER PHASES OF THIS WELL. Myco contends that there are no prairie chickens in this area. A field survey has been performed which has determined that there are no prairie chickens in the area and a copy of the field survey prepared by Dr. Troy L. Best of Auburn University is attached.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Myco Industries, Inc.

BLUE QUAIL FEDERAL #2

660' FSL & 660' FWL (UNIT M)

S7-T23S-R32E NMPM

LEA COUNTY, NM

NM-86151

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 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 39 miles West and North of Jal, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS: Go SouthEast out of Carlsbad, New Mexico on Highway 285 to 31. Go east on 31 to 128 (Jal Hwy.) Go approximately 16 miles to Red Road (County Road 802). Turn north and go approximately 4.2 miles and turn right (East) on lease road and go approximately 1.7 miles on existing caliche lease road where the road for the Myco Sharbro Federal #2 starts and from the Myco Sharbro Federal #2 go approximately 2700' due West to the Myco Blue Quail Federal #1.

2. PLANNED ACCESS ROAD

- A. The proposed new access road will be approximately 2700' in length due West from the Myco Blue Quail Federal #1 as shown on the attached plat (exhibit A).
- 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. Two traffic turnouts will be built.
- D. The route of the road is visible.
- E. Existing roads will be maintained in the same or better condition.

3. LOCATION OF EXISTING WELL

- A. There is drilling activity within a one-mile radius of the wellsite.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed wellsite.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. The common tank battery for the Sharbro Federal #1, Bitsy Federal #1 & Blue Quail Federal #1 will be used for this well. The common tank battery is located in the SE/4 SE/4 (Unit P) of Section 7.
- B. Produced water will be disposed in the Yates Petroleum Corp. Kiwi "Akx" #8, NMOCD SWD-510, S16-T23S-R32E (Unit H). Under FLPMA a R-O-W will be filed to use the existing gas pipeline R-O-W'S (NM-103386 & NM-95389) for the purpose of a 3" swd line. (Exhibit A and A-1).

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:**

- A. It will be the responsibility of the dirt contractor to obtain caliche from a source of their choice. A likely source would be in the SE/4 NE/4 of Section 2-T23S-R31E.

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.
C. Water produced during operations will be collected in tanks until hauled to an approval 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 and is detailed on NMOCD Form C-102 (Attached).

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 debris 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 after they have evaporated and dried.

11. **SURFACE OWNERSHIP:** Federal surface administered by BLM.

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 Manager
Myco Industries, Inc.
P.O. Box 840
Artesia, New Mexico 88211-0840
Phone (505) 748-4274

14.

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.

OPERATIONS MANAGER

4/15/2000 Date

Field Survey to Determine the Status of the Lesser Prairie Chicken
(*Tympanuchus pallidicinctus*) in Southeastern New Mexico:

Sharbro Federal #1 (T23S R32E Sec. 7) and
Sharbro Federal #2 (T23S R32E Sec. 17), Lea County

Submitted to: Ernest L. Carroll, Law Offices of Losee, Carson, Haas, and Carroll, 311 West Quay Avenue, P.O. Box 1720, Artesia, NM 88211-1720, 505/746-3505, FAX 505/746-6316

Submitted by: Troy L. Best, Dept. of Biological Sciences, 331 Funchess Hall, Auburn University, Alabama 36849-5414, 334/844-9260, FAX 334/844-9234, besttro@mail.auburn.edu

Purpose:

To determine if breeding sites (leks) of the lesser prairie chicken (*Tympanuchus pallidicinctus*) are present within the vicinity of the following oil and gas operations sites (please see "A" and "B" on the attached map):

A.--MYCO Industries, Inc., Sharbro Federal #1, 660' FSL and 660' FEL, Sec. 7-T23S-R32E, Lea Co., NM;

B.--MYCO Industries, Inc., Sharbro Federal #2, 1980' FSL and 660' FEL, Sec. 17-T23S-R32E, Lea Co., NM.

Methods:

Census transects were evaluated using standard scientific techniques. Beginning 0.5-1 hour before sunrise, an experienced field biologist began the census transect at Site 1 (see below), listened for 3-5 minutes for the calls made by lesser prairie chickens on leks, recorded GPS coordinates, date, time of observation, and weather conditions, the observer proceeded to the next monitoring site, repeated this protocol, and continued this process until no later than 3 hours after sunrise. Census transects were not conducted under adverse weather conditions.

Survey Sites:

Please see circled numbers 1-11 on the attached map.

<u>GPS Coordinates and Legal Description</u>	<u>Date</u>	<u>Time (MST)</u>	<u>Weather Conditions</u>
Site 1.--32°18.341'N, 103°41.698'W T23S R32E, Sec. 17, NE 1/4	27Mar00 12Apr00	0530-0535 0455-0500	high clouds, calm high thick overcast, nearly calm
Site 2.--32°17.922'N, 103°41.377'W T23S R32E, Sec. 16, SW 1/4	27Mar00 12Apr00	0538-0543 0503-0508	high clouds, calm high thick overcast, nearly calm
Site 3.--32°18.351'N, 103°42.539'W T23S R32E, Sec. 18, NE 1/4	27Mar00 12Apr00	0611-0616 0536-0541	clear, calm high thick overcast, nearly calm
Site 4.--32°18.768'N, 103°43.699'W T23S R31E, Sec. 12, SE 1/4	27Mar00 12Apr00	0620-0625 0546-0551	clear, calm high thick overcast, nearly calm
Site 5.--32°19.016'N, 103°43.482'W T23S R31E, Sec. 12, SE 1/4	27Mar00 12Apr00	0627-0632 0553-0558	clear, calm high thick overcast, nearly calm
Site 6.--32°19.692'N, 103°43.012'W T23S R32E, Sec. 6, SW 1/4	27Mar00 12Apr00	0638-0643 0604-0609	clear, calm high thick overcast, nearly calm
Site 7.--32°19.449'N, 103°42.452'W T23S R32E, Sec. 7, NE 1/4	27Mar00 12Apr00	0645-0650 0612-0617	clear, calm high thick overcast, nearly calm
Site 8.--32°18.816'N, 103°42.460'W T23S R32E, Sec. 7, SE 1/4	27Mar00 12Apr00	0652-0657 0619-0624	clear, calm high thick overcast, nearly calm
Site 9.--32°18.804'N, 103°42.705'W T23S R32E, Sec. 7, SE 1/4	27Mar00 12Apr00	0658-0703 0627-0632	clear, calm high thick overcast, nearly calm

Site 10.--32°19.472'N, 103°41.707'W T23S R32E, Sec. 5, SE 1/4	12Apr00	0640-0645	high thick overcast, nearly calm
	14Apr00	0515-0520	clear, wind 5-10SE
Site 11.--32°19.444'N, 103°41.440'W T23S R32E, Sec. 5, SE 1/4	12Apr00	0650-0655	high thick overcast, nearly calm
	14Apr00	0505-0510	clear, wind 5-10SE

Results:

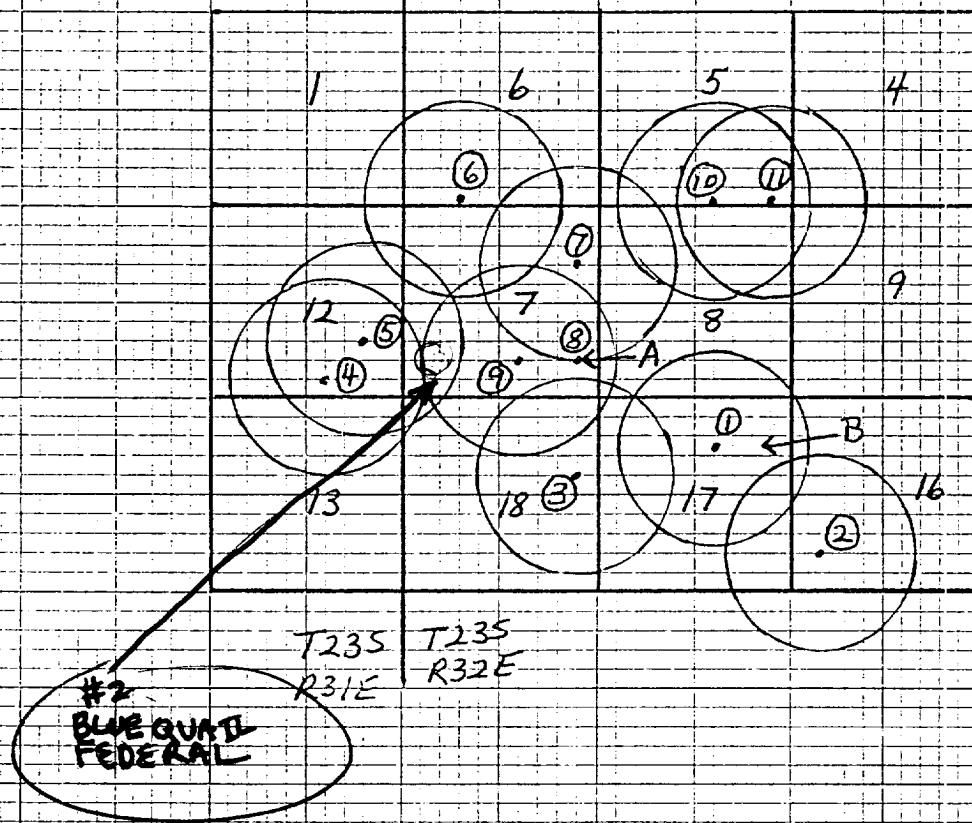
Please see the attached map. No evidence of lesser prairie chickens was heard or observed within the 0.5-mile radius encircling each of the 11 survey sites.

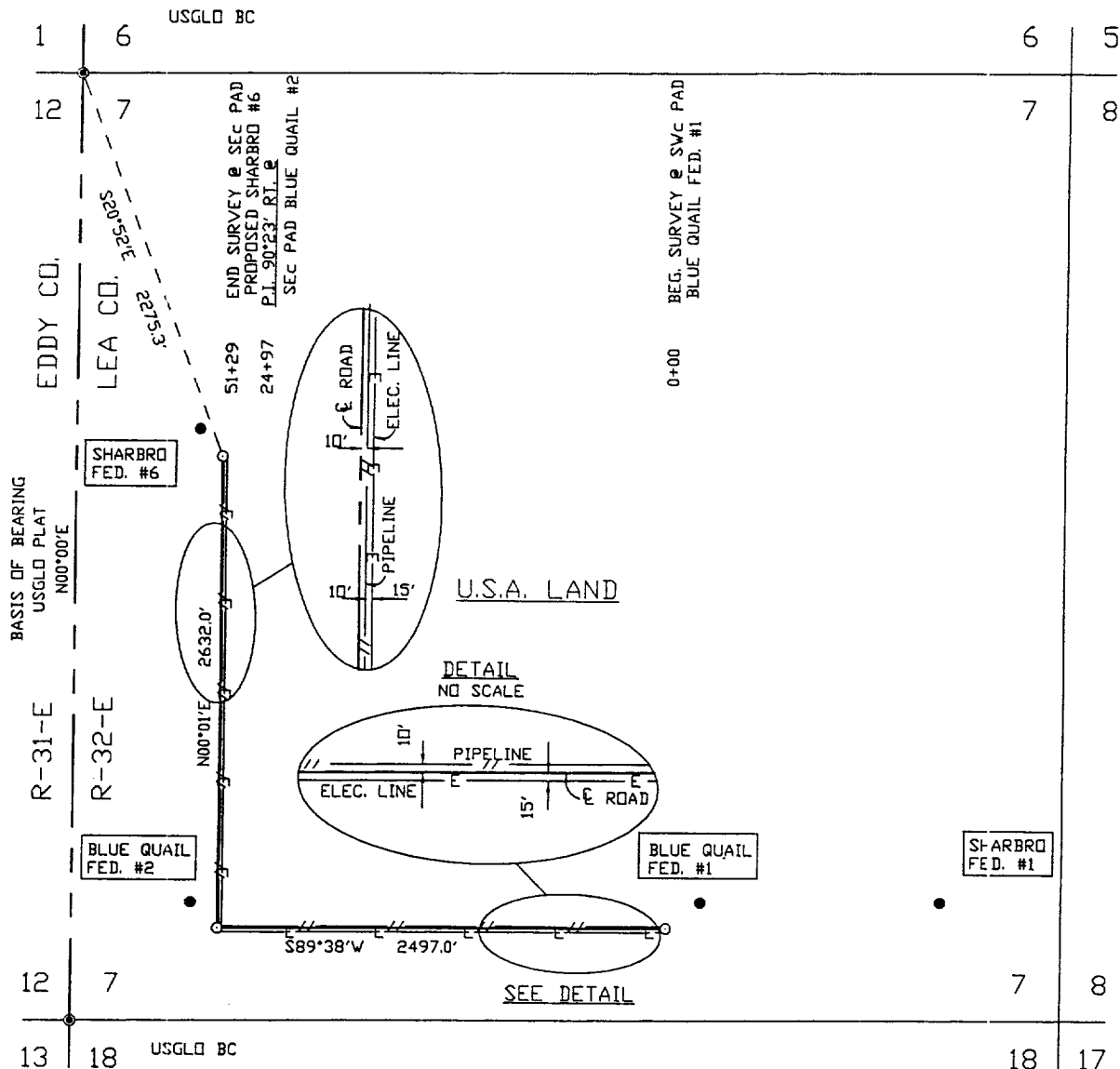
Conclusions:

There are no breeding leks within at least 0.5 mile of Sharbro Federal #1 or Sharbro Federal #2, Lea Co., NM.

AUBURN UNIVERSITY MAP LPC-001

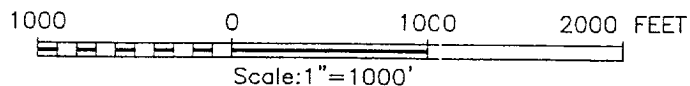
Approximate location of monitoring sites for Sharbro Federal #1 (A) and Sharbro Federal #2 (B), Lea Co., NM; circled numbers are monitoring sites. A circle with a radius of 0.5 mile is drawn around each monitoring site to indicate minimum size of survey area.





DESCRIPTION

A STRIP OF LAND 50.0 FEET WIDE, 5129.0 FEET OR 0.971 MILES IN LENGTH AND BEING 25.0 FEET LEFT AND 25.0 FEET RIGHT OF THE ABOVE CENTERLINE SURVEY.



I HEREBY CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

Ronald J. Eidson

RONALD J. EIDSON N.M. P.S.
GARY G. EIDSON N.M. P.S.

No. 3239
No. 12641

JOHN WEST SURVEYING COMPANY

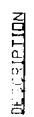
412 N. DAL PASO, HOBBS, NEW MEXICO - 505-393-3117

MYCO INDUSTRIES, INC.

AN ACCESS ROAD CROSSING
U.S.A. LAND IN SECTION 7,
TOWNSHIP 23 SOUTH,
RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

Survey Date: 4/13/00	Sheet 1 of 1 Sheets
M.C. Number: 00-11-0458	Drawn By: D. COLLINS
Date: 4/14/00 MYC	Scale: 1"=1000'

EDDY CO.	12	7	LEA CO.
	13		18



I HEREBY CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM REQUIREMENTS FOR SURVEYING IN PLAT MEXICO.

MYCO INDUSTRIES, INC.

CENTERLINE SURVEY OF R/W FOR A PIPELINE
TO THE SHARBRO FED. #2 CROSSING
SECTION'S 7, 18 & 17,
TOWNSHIP 23 SOUTH, RANGE 32 EAST,
LEA COUNTY, NM.

LEGEND

- ④ DENOTES FOUND CORNER
⊗ DENOTES CALCULATED CORNER

RONALD R. EIDSON, N.M.	No. 3239
GARY G. EIDSON, N.M.	No. 12641

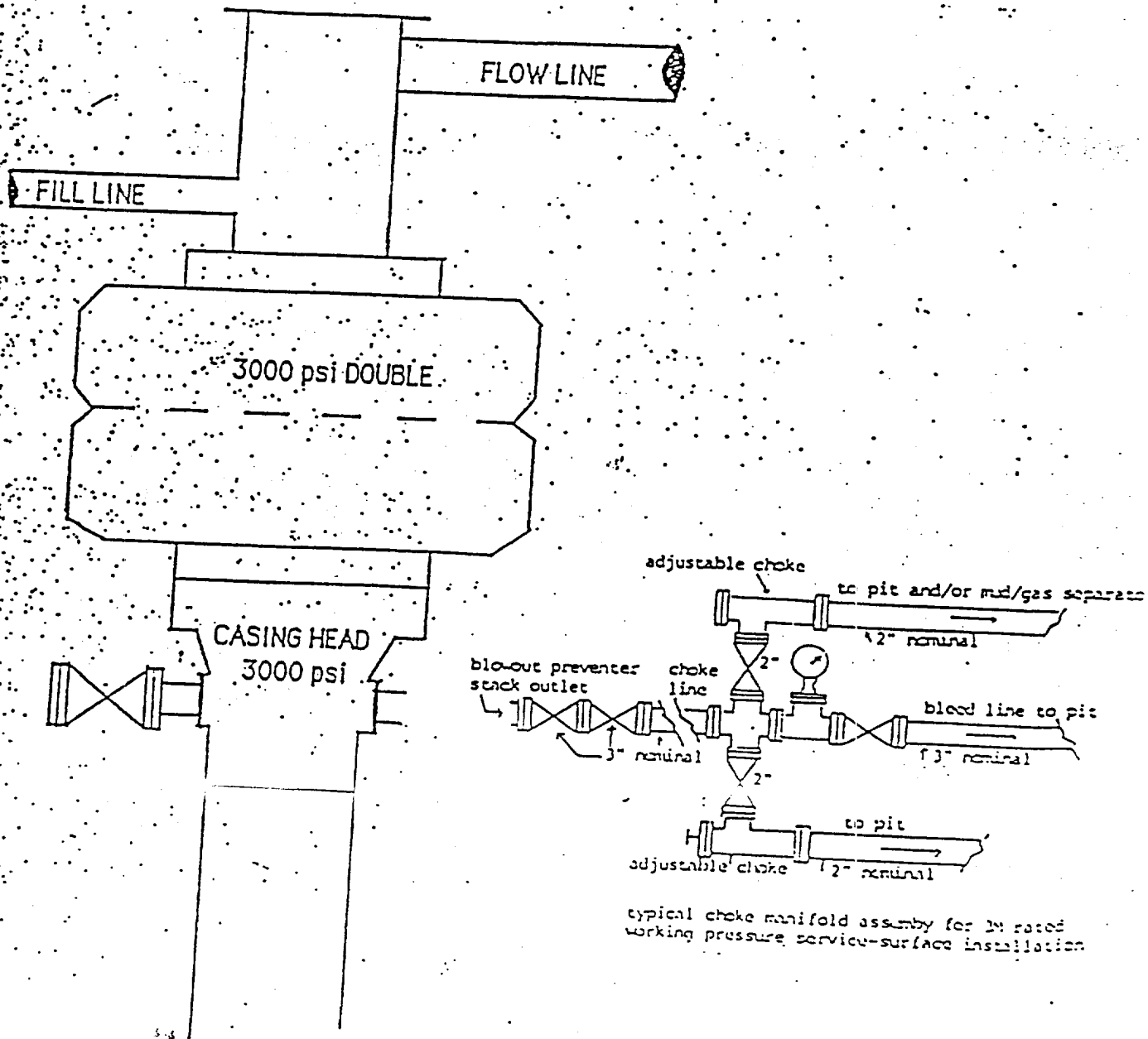
JOHN WESTESSURVEYING COMPANY

JOHN W. HOBBS SURVEYING COMPANY
412 N. DAL PASO - HOBBS, NEW MEXICO - 505-393-3117

Survey Date: 4/14/00	Sheet 1 of 1	Sheets
W.O. Number: 00-11-0490	Drawn By: LMP	
Date: 4/17/00	MYC00490	Scale: 1" = 1000'

MYCO INDUSTRIES, INC.
E E QUAIL FEDERAL #2
660' FSL & 660' FWL (UNIT M)
SEC. 7-T23S-R32E NMPPM
LEA CO, NM NM-86151

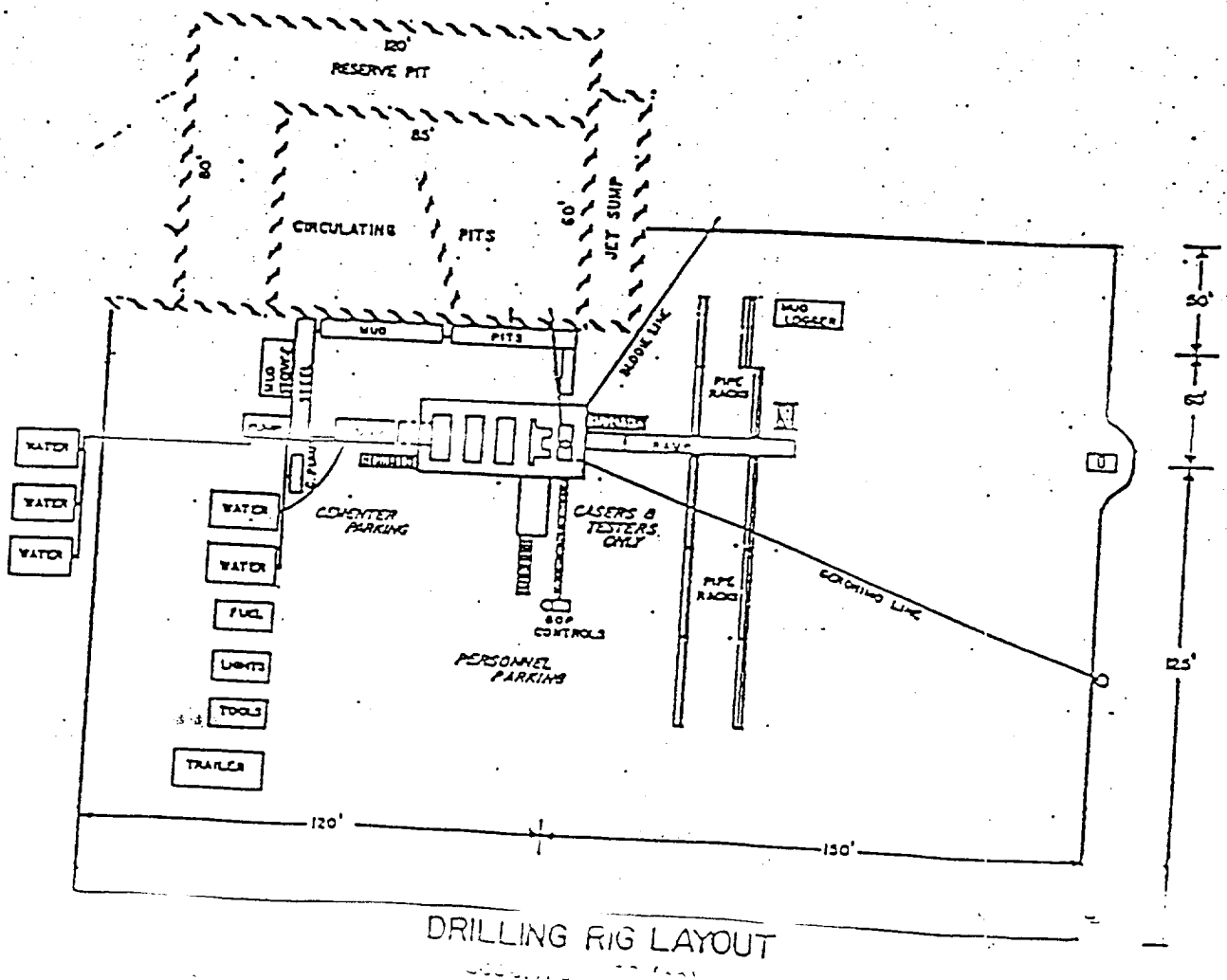
Exhibit B



BLOWOUT PREVENTER
3M SYSTEM

MYCO INDUSTRIES, INC.
 BLUE QUAIL FEDERAL #2
 660' FSL & 660' FWL (UNIT M)
 SEC. 7-T23S-R32E NMPM
 LEA CO, NM NM-86151

Exhibit C





MYCO INDUSTRIES, INC.
OIL PRODUCERS
P.O. BOX 840 / 331 WEST MAIN, SUITE C
ARTESIA, NEW MEXICO 88211-0840
Phone (505) 748-1471

13 5735
JUL 13 11 21 AM '95

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-62223

Bond Coverage: Individually Bonded

Legal Description of Land:
Township 23 South Range 32 East
Section 7: SE/4SE/4
Lea County, New Mexico

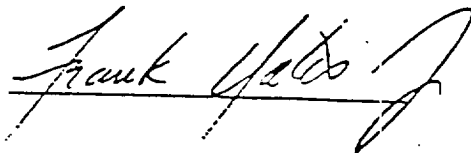
BLM Bond File No.: 58 59 71

Formation (s) (if applicable):

N/A

MYCO INDUSTRIES, INC.

Date: 7-17-95



BOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

20/06/20

RECEIVED
JUN 20 2020