

Form 3160-2
Bureau of Land Management
Received
JUL 24 2000
Carlsbad, N.M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN 1 LOCATE*
(Other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. 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 88211-0840 (505)748-4274
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1980' FSL & 660' FWL UNIT LETTER L
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 drlg. unit line, if any)
16. NO. OF ACRES IN LEASE
617.2
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.
19. PROPOSED DEPTH
8600'
20. ROTARY OR CABLE TOOLS
ROTARY
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GL 3515'
22. APPROX. DATE WORK WILL START*
30-DAYS

5. LEASE DESIGNATION AND SERIAL NO.
NM-62223
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME, WELL NO.
SHARBRO FEDERAL #7
9. API WELL NO.
30-025-35144
10. FIELD AND POOL, OR WILDCAT
Sand Dunes,
DIAMOND TAIL DELAWARE, E.
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
SEC. 7-T23S-R32E NMPM
12. COUNTY OR PARISH
LEA
13. STATE
NM

23. 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	860'	500-SXS (CIRCULATE) WITNESS
12 1/4"	8-5/8"	32# J-55	4600'	1500-SXS (CIRCULATE)
7-7/8"	5-1/2"	17# K-55	8600'	900-SXS (TIE BACK TO 8-5/8")

MYCO INDUSTRIES, INC. PROPOSES TO DRILL AND TEST THE DELAWARE AND INTERMEDIATE FORMATIONS. APPROXIMATELY 860' OF SURFACE W/CMT. CIRC. AND APPROXIMATELY 4600' OF INTERMEDIATE W/CMT. CIRC. IF COMMERCIAL, PRODUCTION CASING WILL BE RUN AND CMT. TIED BACK TO THE INTERMEDIATE. 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. GRID NO. 15445

PROPERTY NO. 17341

POOL CODE 53817

EFF DATE 8-24-00

API NO 30-025-35144

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

* If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or re-drill, give data on present productive zone and proposed new productive zone. Give blowout preventer program, if any.

SIGNED A.N. Muncy, PELS TITLE OPERATIONS MANAGER DATE 7/12/2000
(This space for Federal or State office use)

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:

APPROVED BY /S/LARRY D. BRAY TITLE Assistant Field Manager, Lands And Minerals DATE AUG 22 2000

*See Instructions On Reverse Side

APPROVED FOR 1 YEAR

RECEIVED
100 JUL 20 A 11:17
FBI - NEW YORK

RECEIVED
FBI - NEW YORK
JUL 20 1963

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

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

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

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1984
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35144	Pool Code 53817	Pool Name Sand Dunes, Delaware East
Property Code 17341	Property Name SHARBRO FEDERAL	Well Number 7
OGRID No. 15445	Operator Name MYCO INDUSTRIES, INC.	Elevation 3515

Surface Location

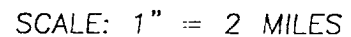
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 3	7	23 S	32 E		1980	SOUTH	660	WEST	LEA

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

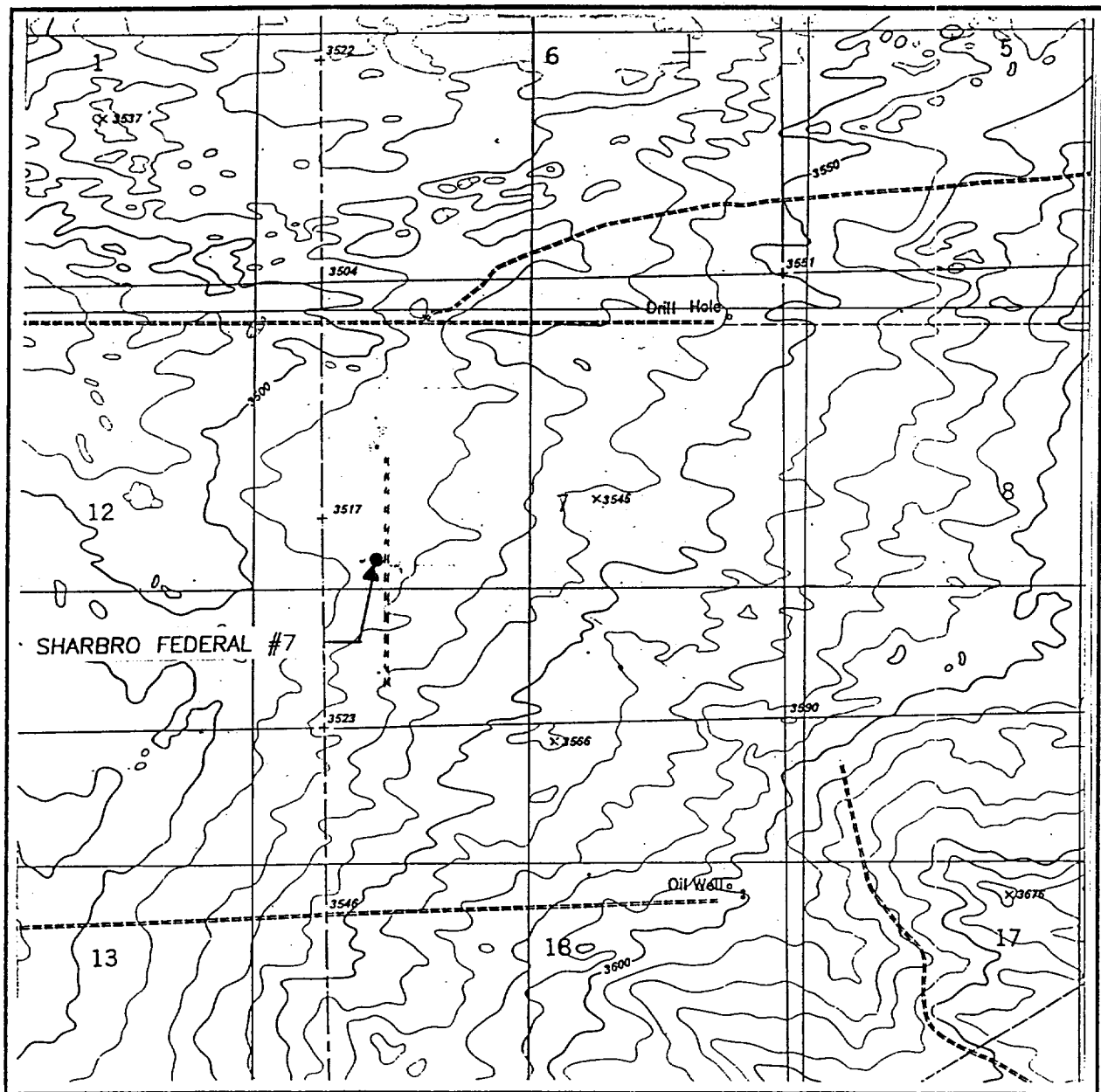
<p>LOT 1</p> <p>45.96 ACRES LOT 2</p> <p>3514.9' 3516.9' 3515.5' 3518.8' DETAIL</p> <p>45.98 ACRES LOT 3</p> <p>SEE DETAIL</p> <p>660'</p> <p>45.98 ACRES LOT 4</p> <p>1980'</p> <p>45.00 ACRES</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>A.N. MUNCY, PELS Signature A.N. MUNCY Printed Name OPER. MGR. Title 7/12/00 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JULY 7, 2000 Date Surveyed DC</p> <p>Ronald J. Eidson Signature & Seal of Professional Surveyor 7/10/00 00-11-0853</p> <p>Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641 MACON McDONALD 12185</p>
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LEASE SHARBRO FEDERAL

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 1980' FSL & 660' FWL

ELEVATION 3515

OPERATOR MYCO INDUSTRIES, INC.

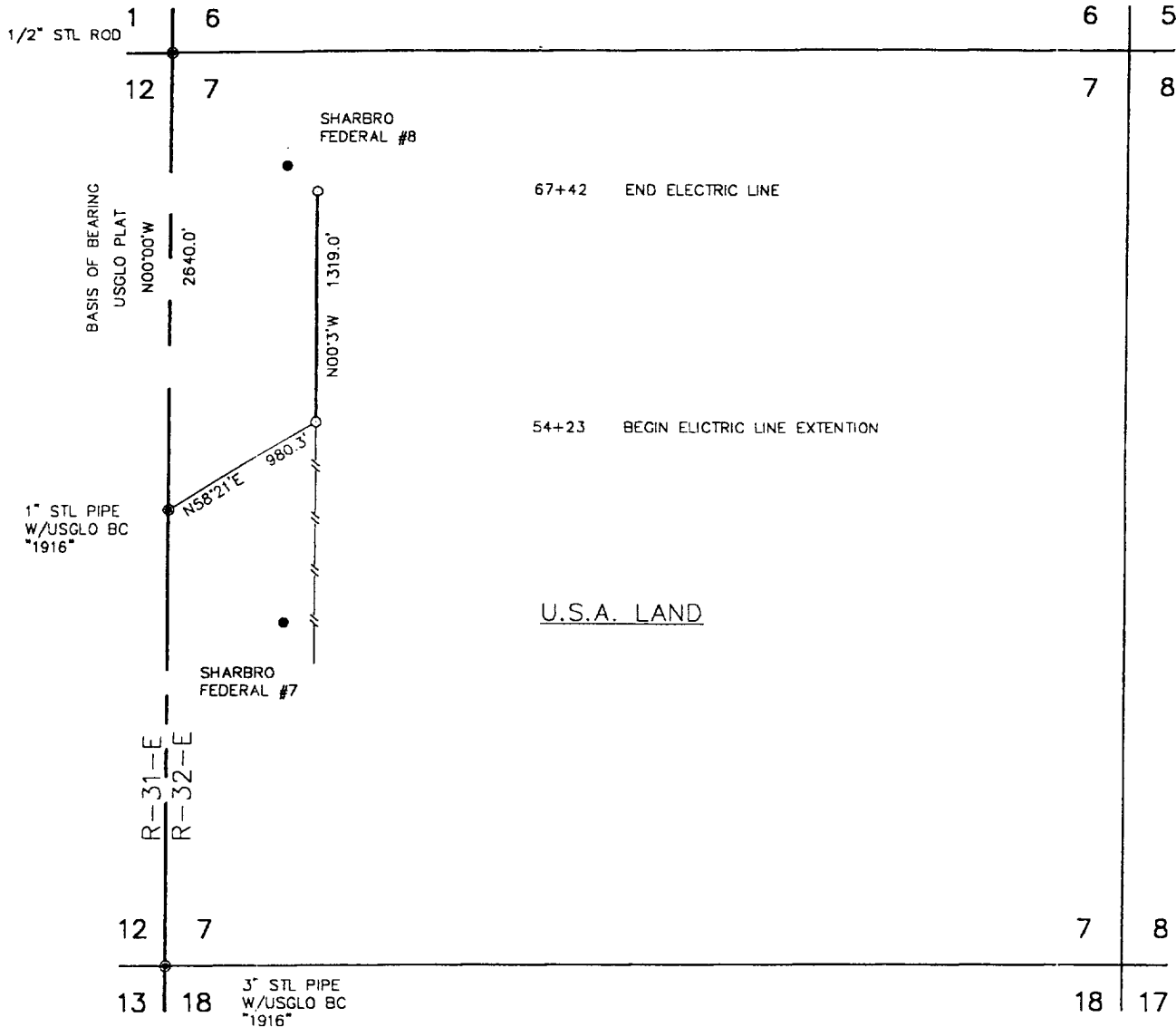
LEASE SHARBRO FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

BOOTLEG RIDGE, N.M.

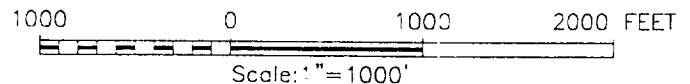
**JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505 393-3117)**

SECTION 7, TOWNSHIP 23 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



DESCRIPTION

A STRIP OF LAND 50.0 FEET WIDE, 1319.0 FEET OR 0.250 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 7/10/00

RONALD J. EIDSON, N.M. P.S. No. 3239
GARY G. EIDSON, N.M. P.S. No. 12641

JOHN WEST SURVEYING COMPANY

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

MYCO INDUSTRIES, INC.

AN ELECTRIC LINE CROSSING $\frac{1}{2}$ FLOW LINE 2"
U.S.A. LAND IN
SECTION 7,
TOWNSHIP 23 SOUTH,
RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

Survey Date: 7/7/00	Sheet 1 of 1 Sheets
W.C. Number: 00-11-0854	Drawn By: D. COLLINS
Date: 7/10/00 MYCO	MYCO 0854A Scale: 1"=1000'

MYCO INDUSTRIES, INC.
SHARBRO FEDERAL #7
1980' FSL & 660' FWL UNIT L
S7-T23S-R32E NMPM
LEA COUNTY, NM
NM-62223

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

Rustler	1020'	Cherry Canyon	5650'	TD	8600'
Bottom of Salt	4420'	Brushy Draw	7500'		
Top of Delaware	4650'				

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

Water:	150-250'
Oil or Gas	6000' and 8600'

3. **PRESSURE CONTROL EQUIPMENT:** BOP 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	0-860'	860'
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	0-8600'	8600'

Minimum 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: Tie back to 8-5/8" with 500-sxs "C" lit (wt. 14.2 pp6 yield 1.35 ft. 3) + 400-sxs "C" modified (wt. 14.8 ppg yield 1.35 ft.)

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

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-860	FWGel	8.4/8.9	32-36	N/C
860-4600	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: 860' Anticipated Max. BHP: 250 PSI

From: 860 To: 4600' Anticipated Max. BHP: 750 PSI

From: 4600 To: 8600' (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 4-Myco wells drilled in Sec. 7 (Blue Quail Fed. #1, Sharbro Fed #1, & Bitsy Fed. #1). REQUEST EXEMPTION FOR H2S DRILLING STIPS. #2.

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.

SHARBRO FEDERAL #7

1980' FNL & 660' FWL (UNIT E)

S7-T23S-R32E NMPM

LEA COUNTY, NM

NM-62223

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: 1320' due north of the Myco Blue Quail Federal #2 (660' FNL & FWL / S7-T23S-R32E)

2. PLANNED ACCESS ROAD

- A. The proposed new access road will be approximately 2700' in length due North from the Myco Blue Quail Federal #2 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 #2 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) (SEE EXHIBIT A FOR DETAILS).

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

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.

Alvin Mummy, PELS
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
ADM #7 #8 #6 7/12/00
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.

<i><u>GPS Coordinates and Legal Description</u></i>	<i><u>Date</u></i>	<i><u>Time (MST)</u></i>	<i><u>Weather Conditions</u></i>
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:

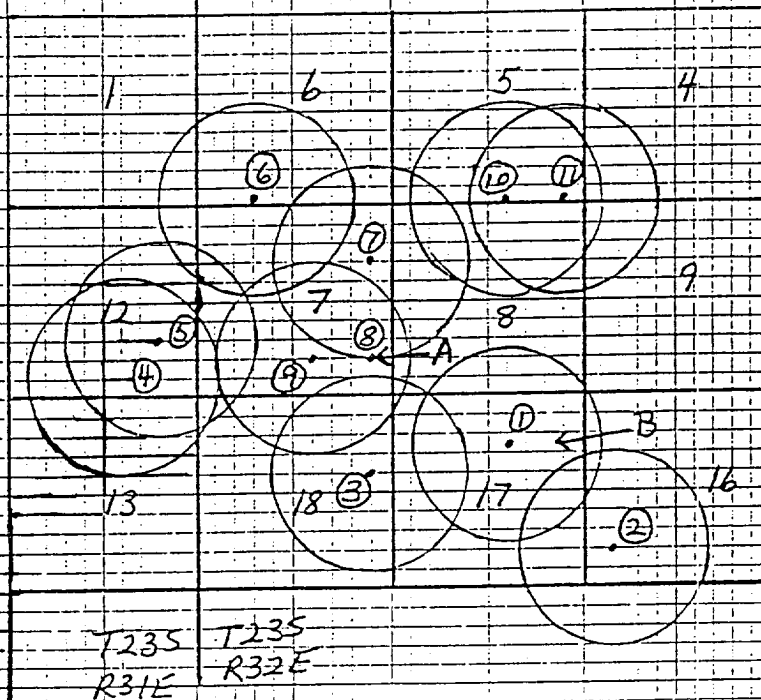
Please see the attached map. No evidence of lesser prairie chickens was heard or observed within the 0.5-mile radius encircling each of the 11 survey sites.

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.



A

MYCO INDUSTRIES, INC.

SHARBRO FEDERAL #7

1980 FSL 660' FWL

S1-T23S-R32E NMPM

LEA CO NM

NM-62223

Gravel Pit

TO COUNTY ROAD
#208 ("RED ROAD")

Drill Hole

SHARBRO FED
NM-62223ARCH-1
660' APPROVED
SHARBRO
FED.

NM-62223

(Proposed W11)

SHARBRO FED
NM-62223BLUE QUAIL
FED.

RTAO EXISTING

BLUE QUAIL FED. FED.

SHARBRO

FED.

R-O-W #111

95589

UNIT #1 (18-23-32)

LOW PRESSURE GPM

GAS SALES MTR #15640

R-O-W #111

NM-103386

#4 SHARBRO

#5 SHARBRO

#6 SHARBRO

#7 SHARBRO

#8 SHARBRO

#9 SHARBRO

#10 SHARBRO

#11 SHARBRO

#12 SHARBRO

#13 SHARBRO

NOTE: 6/19/95 OPER. AGREEMENT (MYCO INDUSTRIES, INC. OPERATOR)

S1-T23S-R23E (ALL)

LOTS 1-4, E/2 NW/2 & E/2

CONTAINING 663.92-ACRES

POOLED ALL DEPTHS

(NM-86923, NM-62223, NM-86151)

Drill Hole

3484

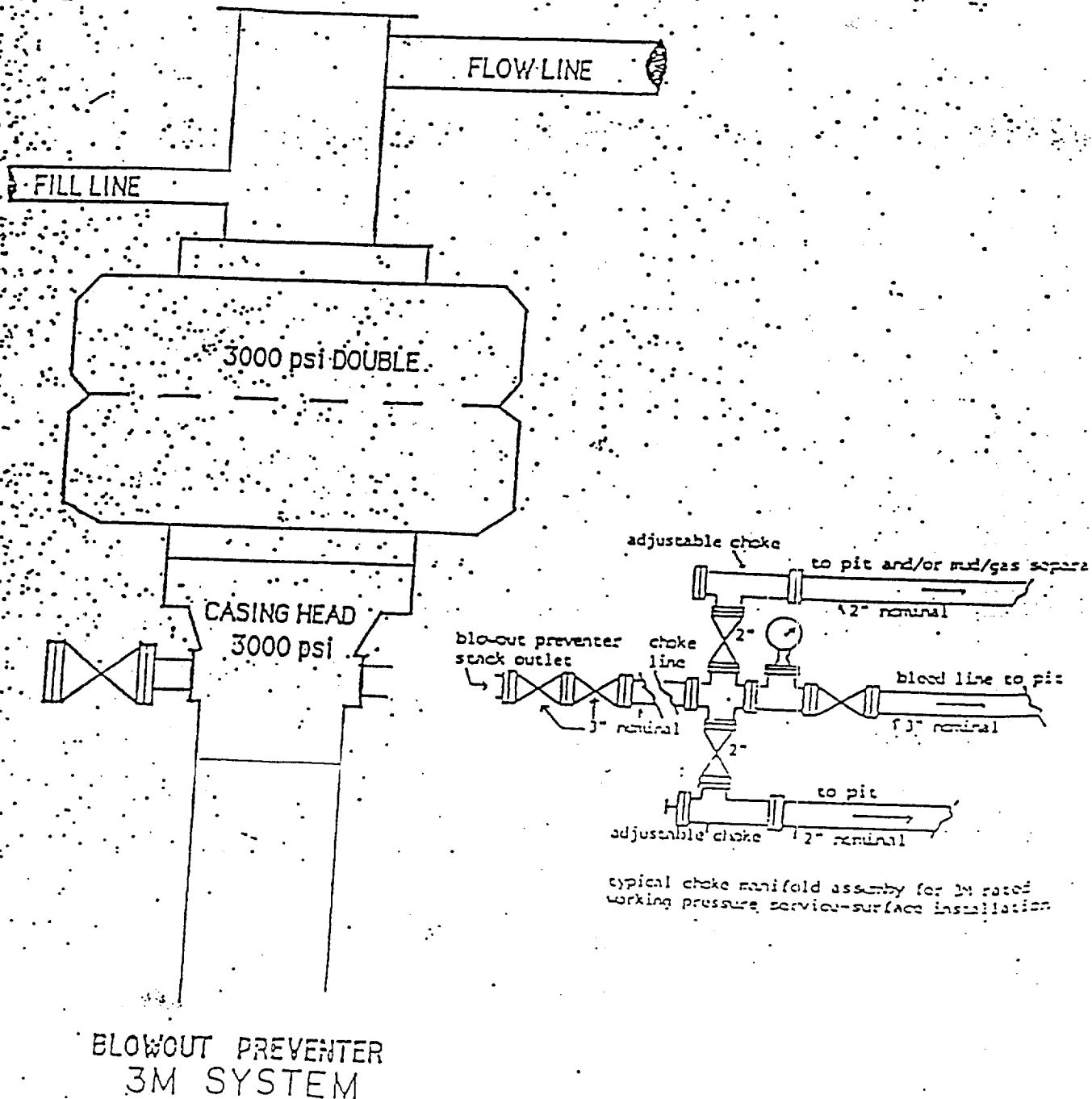
Drill Hole

3484

Common
TANK
BTR 4SEINE
17-23-32SEINE
17-23-32SEINE
17-23-32

MYCO INDUSTRIES, INC.
SHARBRO FEDERAL #7-
1980' FSL & 660' FWL (UNIT L)
SEC. 7-T23S-R32E NMPM
LEA CO, NM NM-62223

Exhibit B



MYCO INDUSTRIES, INC.
SHARRO FEDERAL #7
1980' FSL & 660' FWL (UNIT 1)
SEC. 7-T23S-R32E NMPM
LEA CO, NM NM-62223

Exhibit C

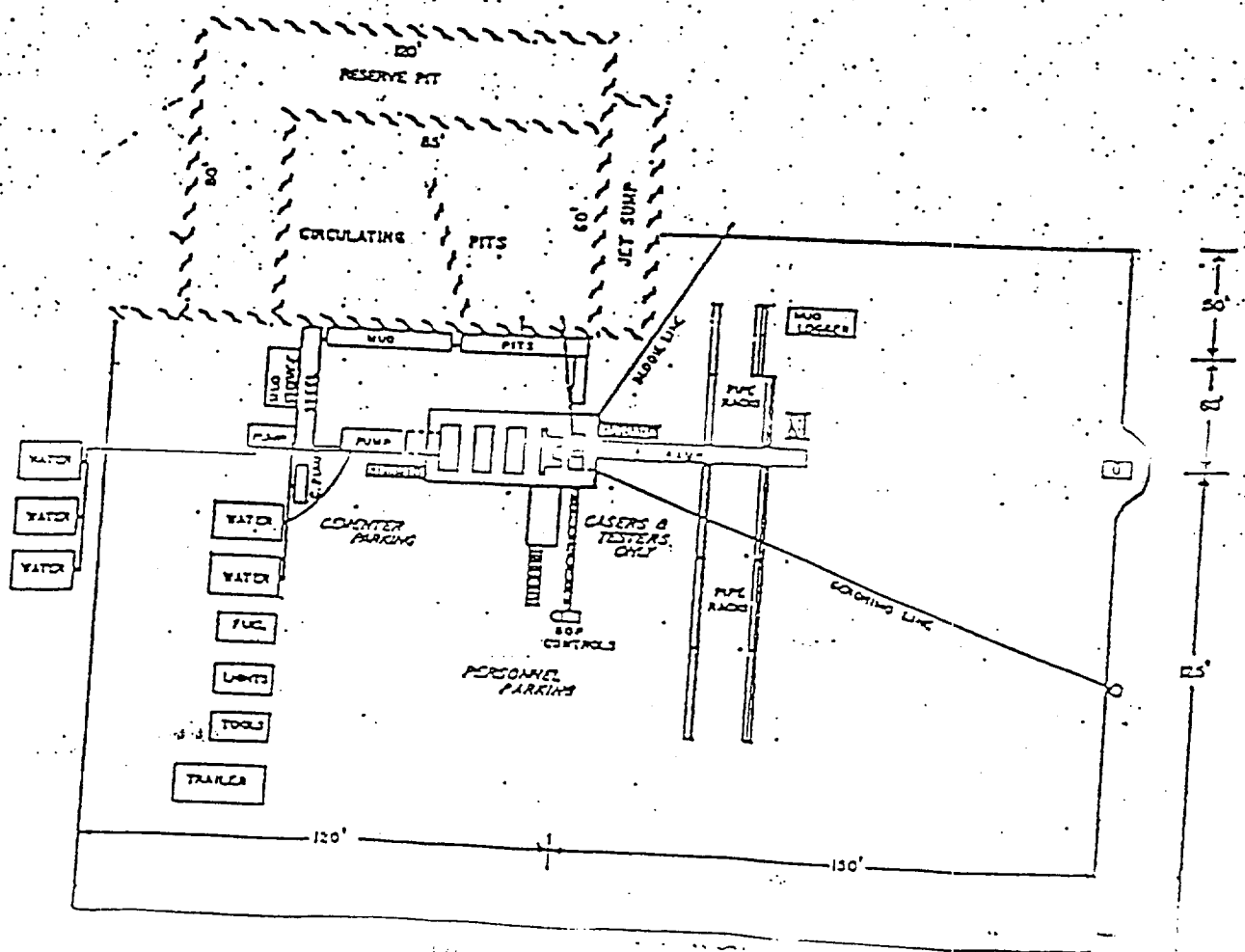


EXHIBIT D

R.N. Enfield
8-1-75
0413982

22
Sun
9-1-73
0417385

Gulf
12-1-83
19616

27

M.P. Grace
9-1-73
0431054

M.P. Grace
Grace-Cotton
Baby-Fed.
TO 4875
TIA 112 74
NTO 6700
U.S.

3

Santa Fe Ener.
Mitchell Ener.
etal, 1/2
85926
400 22
U.S.

Santa Fe Ener.
Mitchell Ener.
etal, 1/2
85926
400 22
U.S.

Devon Ener.
HBP
0405444

15

Tex Amer.
Marathon
HBP
0405444

22

Marathon
HBP
0418220
Devon Ener.
to base of Sil. Dev.

27

Pogo Prod.
(Amoco)
x 962

23
Texas Crude
Wright-Fed.
TO 4766
DIA 25-62
U.S. Fed. 1110

26

Santa Fe Ener.
Mitchell Ener.
etal, 1/2
85926
400 22
U.S.

35

"D. Ross Fed."
U.S.

2

Marathon, etal
HBP
040441

Max Wilson
Bauer-Fed.
TO 3492
F 3492
DIA 2-27-63
U.S.

Devon Ener.
HBP
0533177

13

Devon Ener.
HBP
0405444

23

(Marathon)
HBP
0418220
Devon Ener.
to base of Sil. Dev.

26

Pogo Prod.
(Amoco)
x 962

(Getty) Fed.
(Atoka Disc.)
(Sulphur)
P101

24

Union
V-1313

36

Union
V-1313

22080

1

Union
HBP
22080

12

Marathon
HBP
040441

Devon Ener.
HBP
0533177

Devon Ener.
HBP
0533177

24

(Marathon)
HBP
0544986

25

Devon Ener.
(Amoco)
x 962

Pogo Prod.
4-1-93
32411

29

U.S.

30

U.S.

6

U.S.

8

U.S.

18

U.S.

19

U.S.

30

U.S.

Devon Ener.
(Amoco)
x 962

Getty Oil
A.R. Co.
8-1-73
0417385

29

U.S.

30

U.S.

6

U.S.

8

U.S.

18

U.S.

19

U.S.

30

U.S.

Santa Fe Ener.
9-1-95
184891

Getty Oil
A.R. Co.
8-1-73
0417385

29

U.S.

30

U.S.

6

U.S.

8

U.S.

18

U.S.

19

U.S.

30

U.S.

Yates Pet.
9-1-93
77063



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

JUL 13 1995

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

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

ELF 1/9/01

Received
Hodges
000