

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

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

CONCHO OIL & GAS CORP. (915-683-7443) ERICK NELSON

3. ADDRESS AND TELEPHONE NO.

110 WEST LOUISIANA SUITE 410 MIDLAND, TEXAS (915-683-7443)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

330' FSL & 2310' FWL SEC. 10 T19S-R33E LEA CO. NM

At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 35 miles South west of Hobbs New Mexico.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

640

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.

NA

19. PROPOSED DEPTH

3900'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3679' GR.

Cannon Controlled Water Basin

22. APPROX. DATE WORK WILL START*

WHEN APPROVED

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	20"	NA	40'	Cement to surface with Redi-mix
12 1/4"	J-55 8 5/8"	24	1500'	850 Sx. Circulate cement.
7 7/8"	J-55 5 1/2"	15.5	3900'	700 Sx. Top of cement 1000' FS.

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 12 1/4" hole to 1500'. Run and set 1500' of 8 5/8" 24# J-55 ST&C casing. Cement with 850 Sx. as follows: 650 Sx. of 35/65 Class "C" POZ + 6% Gel + 1/4# Flocele/Sx. + 2% CaCl, tail in with 200 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
3. Drill 7 7/8" hole to 3900'. Run and set 3900' of 5 1/2" 15.5# J-55 ST&C casing. Cement with 400 Sx. of 50/50 POZ Class "C" cement + 10 % Gel + 5% Salt + 3# Gilsonite/Sx. + 1/2# Flocler/Sx. , tail in with 300 Sx. of Class "C" + dispersant + fluid loss additive, + 5% Salt. Top of cement 1000' from surface.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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

24.

SIGNED

TITLE Agent

DATE 09/17/02

(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 land.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/S/ JOE G. LARA

TITLE

FIELD MANAGER

DATE

OCT 17 2002

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II
811 South First, Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-36034	Pool Code 59470	Pool Name TONTO-SEVEN RIVERS
Property Code 30693	Property Name TROLL "10" FEDERAL	Well Number 1
OGRID No. 193407	Operator Name CONCHO OIL & GAS CORP.	Elevation 3679'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	10	19 S	33 E		330	SOUTH	2310	WEST	EDDY

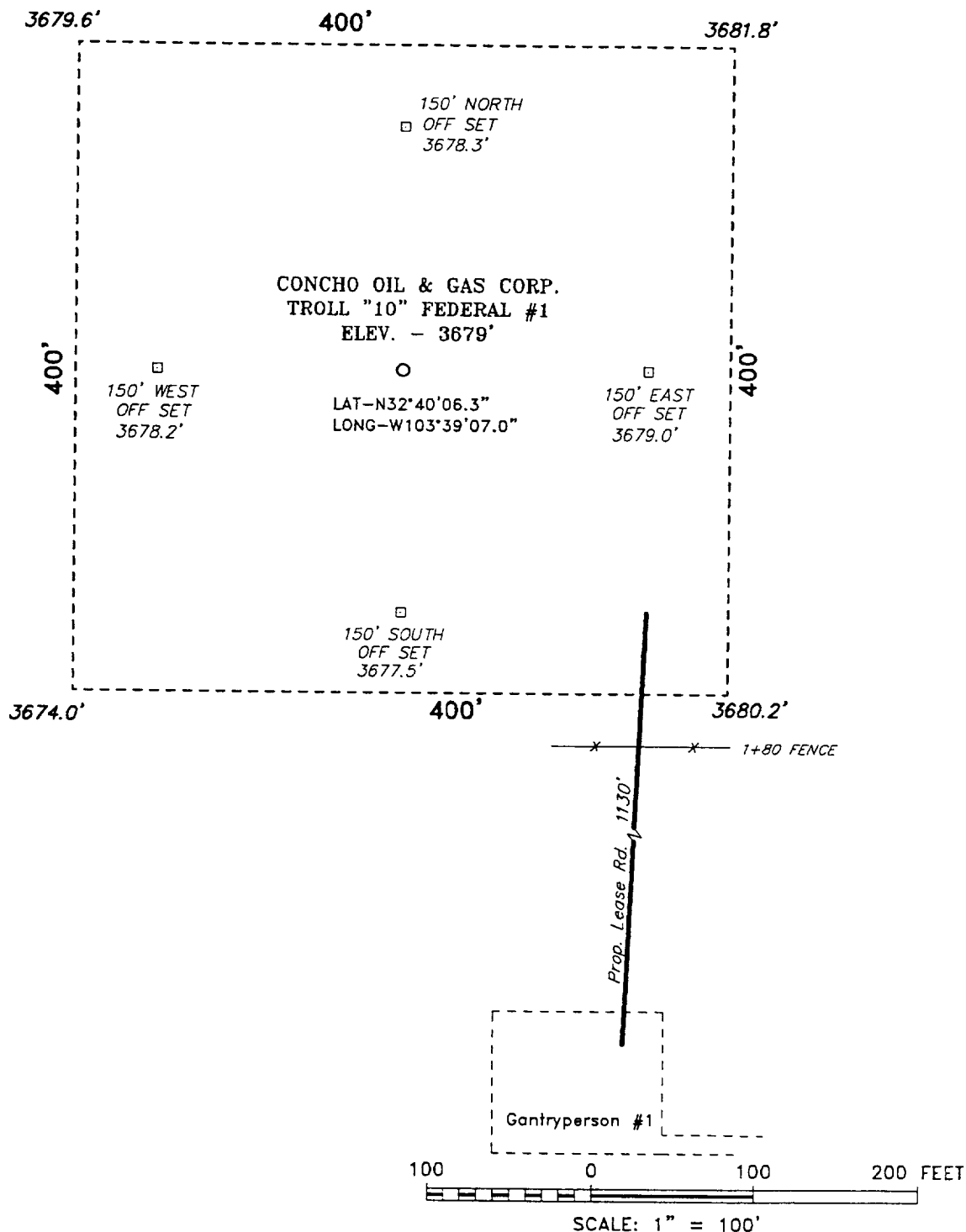
Bottom Hole Location If Different From Surface

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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Joe T. Janica Printed Name Agent Title 09/17/02 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. AUGUST 30, 2002 Date Surveyed Signature & Seal of Professional Surveyor W.O. No. 2711A Certificate No. Gary L. Jones 7977 BASIN SURVEYS	

SECTION 10, TOWNSHIP 19 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM THE US HWY 62/180 AND CO. RD. H-55, GO NORTH ON H-55 FOR 4.2 MILES; THENCE EAST FOR 0.1 MILE; THENCE NORTH FOR 1.4 MILE; THENCE WEST FOR 0.5 MILE TO THE GANTRY PERSON #1 AND PROPOSED LEASE ROAD.

Basin Surveys P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 2711 Drawn By: **K. GOAD**

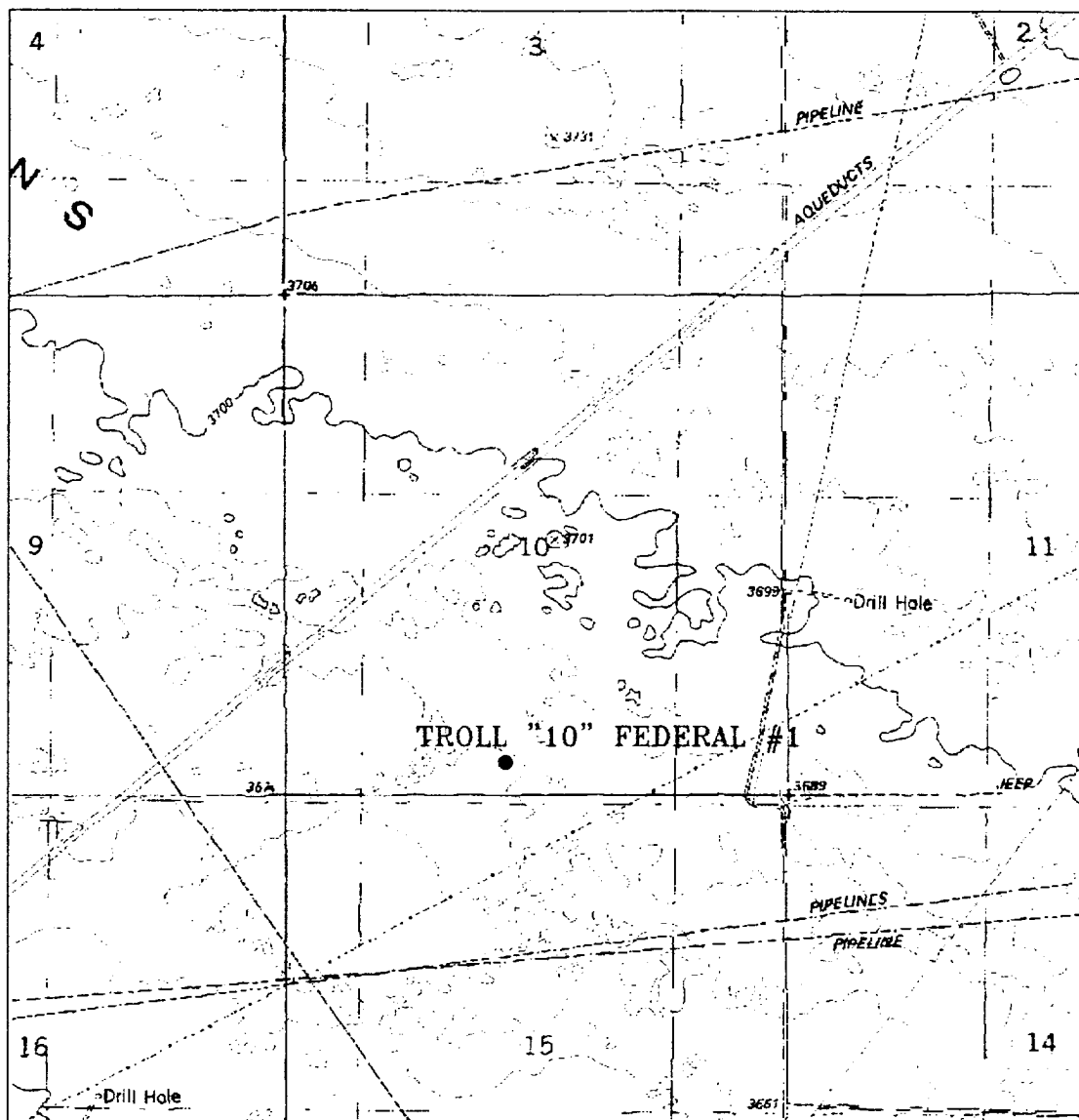
Date: 09-04-2002 Disk: KJG CD#4 - 2711A.DWG

CONCHO OIL & GAS CORP.

REF: TROLL "10" FEDERAL No. 1 / Well Pad Topo

THE TROLL "10" FEDERAL No. 1 LOCATED 330' FROM THE SOUTH LINE AND 2310' FROM THE WEST LINE OF SECTION 10, TOWNSHIP 19 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 08-30-2002 Sheet 1 of 1 Sheets



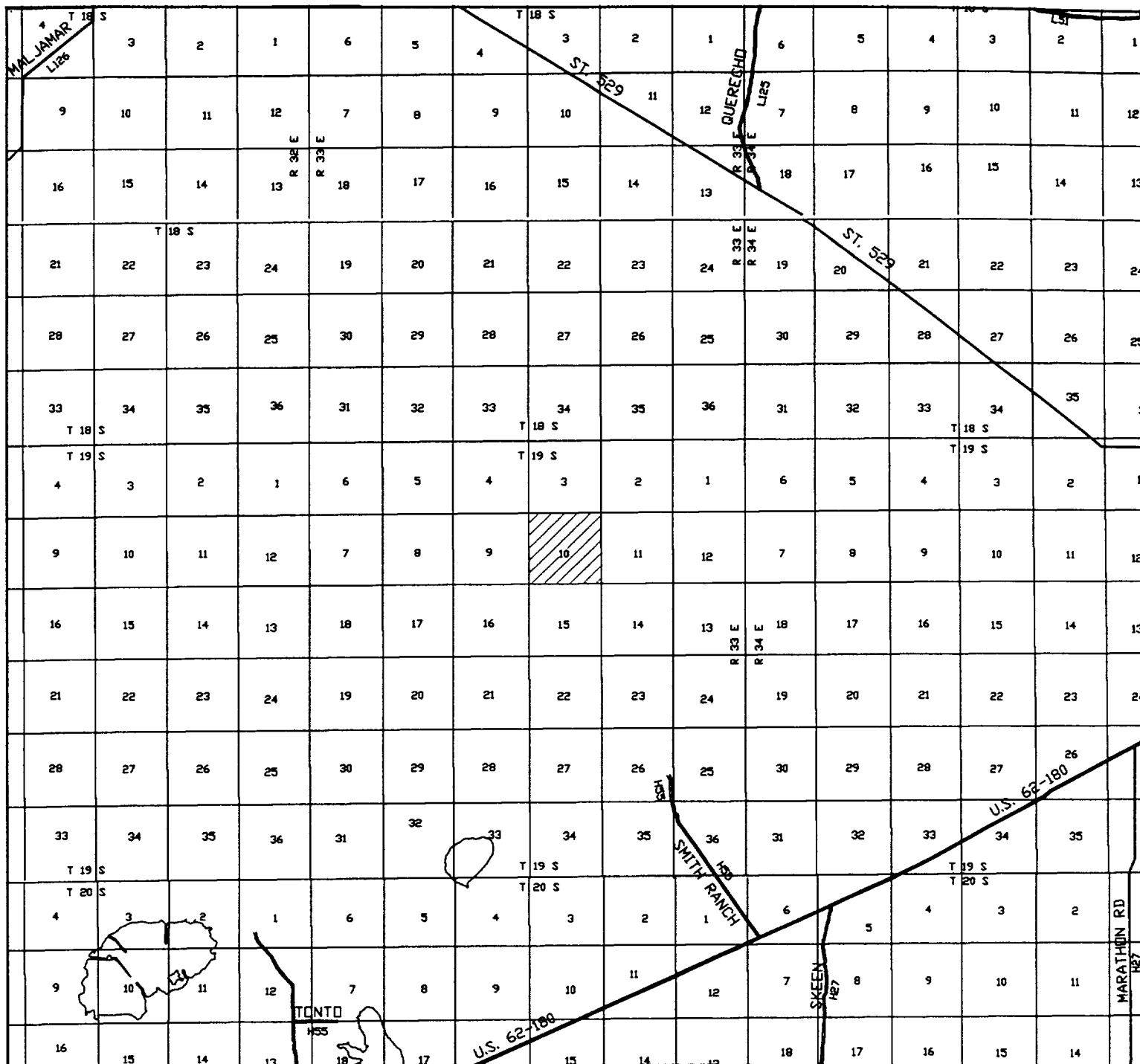
TROLL "10" FEDERAL #1
 Located at 330' FSL and 2310' FWL
 Section 10, Township 19 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.

**basin
surveys**
 focused on excellence
 in the oilfield

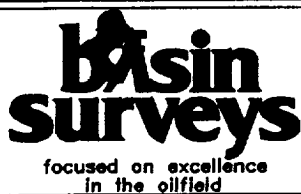
P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
 basinsurveys.com

W.O. Number:	2711AA - KJG CD#5
Survey Date:	08-30-2002
Scale:	1" = 2000'
Date:	09-04-2002

**CONCHO
OIL & GAS
CORP.**



TROLL "10" FEDERAL #1
 Located at 330' FSL and 2310' FWL
 Section 10, Township 19 South, Range 33 East,
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
basinsurveys.com

W.O. Number: 2711AA - KJG CD#5

Survey Date: 08-30-2002

Scale: 1" = 2 MILES

Date: 09-04-2002

CONCHO
 OIL & GAS
 CORP.

APPLICATION TO DRILL

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

1. Location: 330' FSL & 2310' FWL SEC. 10 T19S-R33E LEA CO. NM

2. Elevation above Sea Level: 3679' GR.

3. Geologic name of surface formation: Quaternary Aeolian Deposits.

4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.

5. Proposed drilling depth: 3900'

6. Estimated tops of geological markers:

Rustler Anhydrite	1400'	Yates	3300'
Tansill	3100'	Seven Rivers Queen	3650'

7. Possible mineral bearing formations:

Yates	Oil
Seven Rivers Queen	Oil

8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40	20"	NA	NA	NA	Conductor
12½"	0-1500'	8 5/8"	24	8-R	ST&C	J-55
7 7/8"	0-3900'	5½"	15.5	8-R	ST&C	J-55

APPLICATION TO DRILL

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

9. CEMENTING & SETTING DEPTH:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
8 5/8"	Surface	Set 1500' of 8 5/8" 24# J-55 ST&C casing. CEment with 650 Sx. Class "C" 35/65 POZ cement + 6% Gel + 2% CaCl + 1/2# Folcele/Sx., tail in with 200 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
5 1/2"	Production	Set 3900' of 5 1/2" 15.5# J-55 ST&C casing. CEment with 400 Sx of Class "C" 50/50 POZ + 10% Gel + 5% Salt, + 3# Gilsonite /Sx. + 1/2# Flocele/Sx. tail in with 300 Sx. of Class "C" cement + fluid loss + dispersant + 5% Salt. Estimate top of cement 1000' from surface.

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E" shows a 900 Series 3000 PSI working pressure B.O.P. consisting of an annular bag type preventor, middle blind rams and bottom pipe rams. The B.O.P. will be nipped up on the 8 5/8" casing and tested to API specifications. The B.O.P. will be operated at least once in each 24 hour period and the blind rams will be operated when drill pipe is out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. Exhibit "E-1" shows a hydraulically operated closing unit and a 2" 3000 PSI choke manifold with dual adjustable chokes. No abnormal pressures or temperatures are expected.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD SYSTEM
40-1500'	8.4-8.8	29-33	NC	Fresh water Spud mud add paper to control seepage. use high viscosity sweeps to clean hole.
1500-3600'	9.9-10.1	29-36	NC	Brine water use high viscosity sweeps to clean hole.
3600-3900'	9.9-10.2	32-39	15 cc or less	Brine water use Gel for viscosity and starch for water loss control.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's, open hole logs, and casing viscosity and/or water loss may have to be adjusted to meet these needs.

APPLICATION TO DRILL

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

12. TESTING, LOGGING, & COREING PROGRAM:

- A. Open hole logs: Run Dual Laterolog, SNP, LDT, Gamma Ray, Caliper from TD back to 1500'. Run Gamma Ray Neutron from 1500' back to surface.
- B. No cores, DST's are planned at this time.
- C. No mud logger is planned at this time.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H₂S detectors will be in place to detect any presence of unsafe levels of H₂S. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operations of all equipment that will be used. Estimated BHP 1500 PSI & estimated BHT 120°.

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Roads and location construction will begin after the BLM approves the APD. Anticipated spud date will be as soon as pad & road construction has been completed. Drilling time for the well is estimated to take 18 days. If production casing is run an additional 20 days will be required to complete well and construct surface facilities.

15. OTHER FACETS OF OPERATION:

After running production casing, cased hole Gamma-Neutron & Collar logs will be run over all possible pay intervals. If commercial production from the Seven Rivers pay is indicated it will be perforated and stimulated. Then if necessary the pay will be swab tested and completed as an oil well.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. All Company and Contract personnel admitted on location must be trained by a qualified H₂S safety instructor to the following:
 - A. Characteristics of H₂S
 - B. Physical effects and hazards
 - C. Proper use of safety equipment and life support systems.
 - D. Principle and operation of H₂S detectors, warning system and briefing areas.
 - E. Evacuation procedure, routes and first aid.
 - F. Proper use of 30 minute pressure demand air pack.
2. H₂S Detection and Alarm Systems
 - A. H₂S detectors and audio alarm system to be located at bell nipple, end of bloopie line (mud pit) and on derrick floor or doghouse.
3. Windsock and/or wind streamers
 - A. Windsock at mudpit area should be high enough to be visible.
 - B. Windsock at briefing area should be high enough to be visible.
 - C. There should be a windsock at entrance to location.
4. Condition Flags and Signs
 - A. Warning sign on access road to location.
 - B. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H₂S present in dangerous concentration. Only emergency personnel admitted to location.
5. Well control equipment
 - A. See exhibit "E" & "E-1"
6. Communication
 - A. While working under masks chalkboards will be used for communication.
 - B. Hand signals will be used where chalk board is inappropriate.
 - C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephoned will be available at most drilling foreman's trailer or living quarters.
7. Drillstem Testing
 - A. Exhausts will be watered.
 - B. Flare line will be equipped with an electric ignitor or a propane pilot light in case gas reaches the surface.
 - C. If the location is near to a dwelling a closed DST will be performed.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

8. Drilling contractor supervisor will be required to be familiar with the effects H₂S has on tubular goods and other mechanical equipment.
9. If H₂S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas separator will be brought into service along with H₂S scavengers if necessary.

SURFACE USE PLAN

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

1. EXISTING ROADS & PROPOSED ROADS: Area maps; Exhibit "B" is a reproduction of a County General Hi-way Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing existing and proposed roads. All existing roads will be maintained in a condition equal to or better than current conditions. Any new roads will be constructed to BLM specifications.

A. Exhibit "A" shows the proposed well site as staked.

B. From Hobbs New Mexico take U.S. Hi-way 62-180 West toward Carlsbad New Mexico go 30 miles to Smith Ranch road turn North go 2.2 miles bear Left follow caliche road Northwest approximately 2 miles turn North go 1.8 miles turn West go by wells 4,3, & Gantryperson # 1 continue West to well # 2.

C. Lay flowline and construct powerline along lease road as shown on Exhibit "F".

T.B. ↓
on
location

off-base
Requires Sundry approval

2. PLANNED ACCESS ROADS: Approximately 1500' of new road will be constructed.

A. The access roads will be crowned and ditched to a 12' wide travel surface with a 40' Right-of-Way.

B. Gradient of all roads will be less than 5.00%.

C. If turn-outs are necessary they will be constructed.

D. If needed roads will be surfaced with a minimum of 4" of caliche. This material will be obtained from a local source.

E. Center-line for new roads will be flagged. Earth-work will be will be done as field conditions require.

F. Culverts will be placed in the access road if they are necessary. The roads will be constructed to utilize low water crossings for drainage as required by topography.

3. LOCATIONS OF EXISTING WELLS IN A ONE MILE RADIUS. EXHIBIT "A-1"

- | | |
|--------------------|-----------------------------|
| A. Water wells | - None known |
| B. Disposal wells | - None known |
| C. Drilling wells | - None known |
| D. Producing wells | - As shown on Exhibit "A-1" |
| E. Abandoned wells | - As shown on Exhibit "A-1" |

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

4. If on completion this well is a producer the operator will lay pipelines and construct powerlines along existing road R-O-W's or other existing R-O-W's. Possible routes of pipelines, flowlines and powerlines are shown on Exhibit "F".

5. LOCATION AND TYPE OF WATER SUPPLY:

Water will be purchased locally from a commercial source and trucked over the access roads or piped to location in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIAL:

If possible construction material will be obtained from the excavation of drill site, if additional material is needed it will be obtained from a local source and transported over the access roads as shown on Exhibit "C".

7. METHODS OF HANDLING WASTE MATERIAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. All trash, junk and other waste material will be contained in trash cages or trash bins to prevent scattering. When the job is completed all contents will be removed and disposed of in a approved sanitary land fill.
- C. Salts remaining after completion of well will be picked up by the supplier, including broken sacks.
- D. Waste water from living quarters will be drained into holes with a minimum of 10'. These holes will be covered during drilling and will be back filled when the well is completed. A Porto-John will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- E. Remaining drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry enough to be broken out for further drying. If the drilling fluids do not evaporate in a reasonable time they will be hauled off by transports to a state approved disposal site. Later pits will be broken out to speed drying. Water produced during completion will be put in reserve pits. Oil and condensate produced will be put in storage tanks and sold.

8. ANCILLARY FACILITIES:

- A. No camps or air strips will be constructed on location.

9. WELL SITE LAYOUT

- A. Exhibit "D" shows the proposed well site layout.
- B. This exhibit indicated proposed location of reserve and sump pits and living facilities.
- C. Mud pits in the active circulating system will be steel pits & the reserve pit is proposed to be unlined unless subsurface condition encountered during pit construction indicate that lining is needed for lateral containment of fluids.
- D. If needed, the reserve pit is to be lined with polyethelene. The pit liner will be 6 mils thick. Pit liner will extend a minimum 2'00" over the reserve pits dikes where the liner will be anchored down.
- E. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

10. PLANS FOR RESTORATION OF SURFACE

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be contoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

11. OTHER INFORMATION:

- A. Topography consists of sand dunes with a slight dip to the West. Deep sandy soil supports shinnery oak, native grasses, and an occasional mesquite tree.
- B. Surface is owned by the U.S. Government and is administered by the Bureau of Land Management. The surface is used for grazing livestock and the production of oil and gas.
- C. An archaeological survey will be conducted on the location and access roads. This report will be filed with The Bureau of Land Management in the Carlsbad field office.
- D. There are no dwellings in the near vicinity of this location.

12. OPERATORS REPRESENTATIVES:

Before construction:

TIERRA EXPLORATION, INC
P.O. BOX 2188
HOBBS, NEW MEXICO 88241
OFFICE Ph. 505-391-8503
JOE T. JANICA

During and after construction:

CONCHO OIL & GAS CORP.
110 WEST LOUISIANS SUITE 410
MIDLAND, TEXAS 79701
ERICK NELSON
OFFICE PHONE 915-683-7443

13. CERTIFICATION: I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access roads, and that I am familiar with the conditions which currently 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 CONCHO OIL & GAS CORP. it's contractors/subcontractors is in compfornity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of U.S.C. 1001 for the filing of a false report.

NAME : Joe T Janica

DATE : 09/17/02

TITLE : Agent

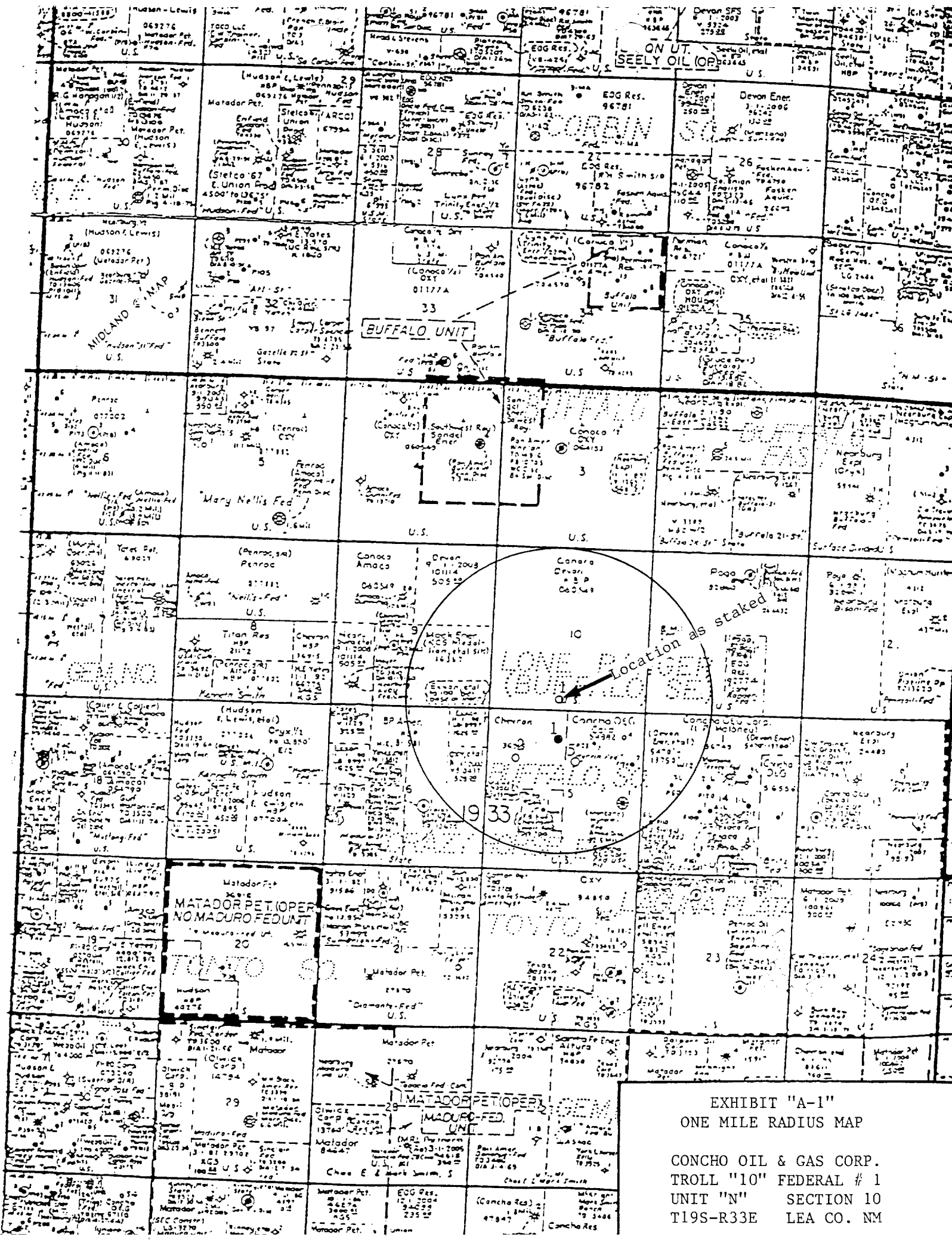


EXHIBIT "A-1"
ONE MILE RADIUS MAP

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

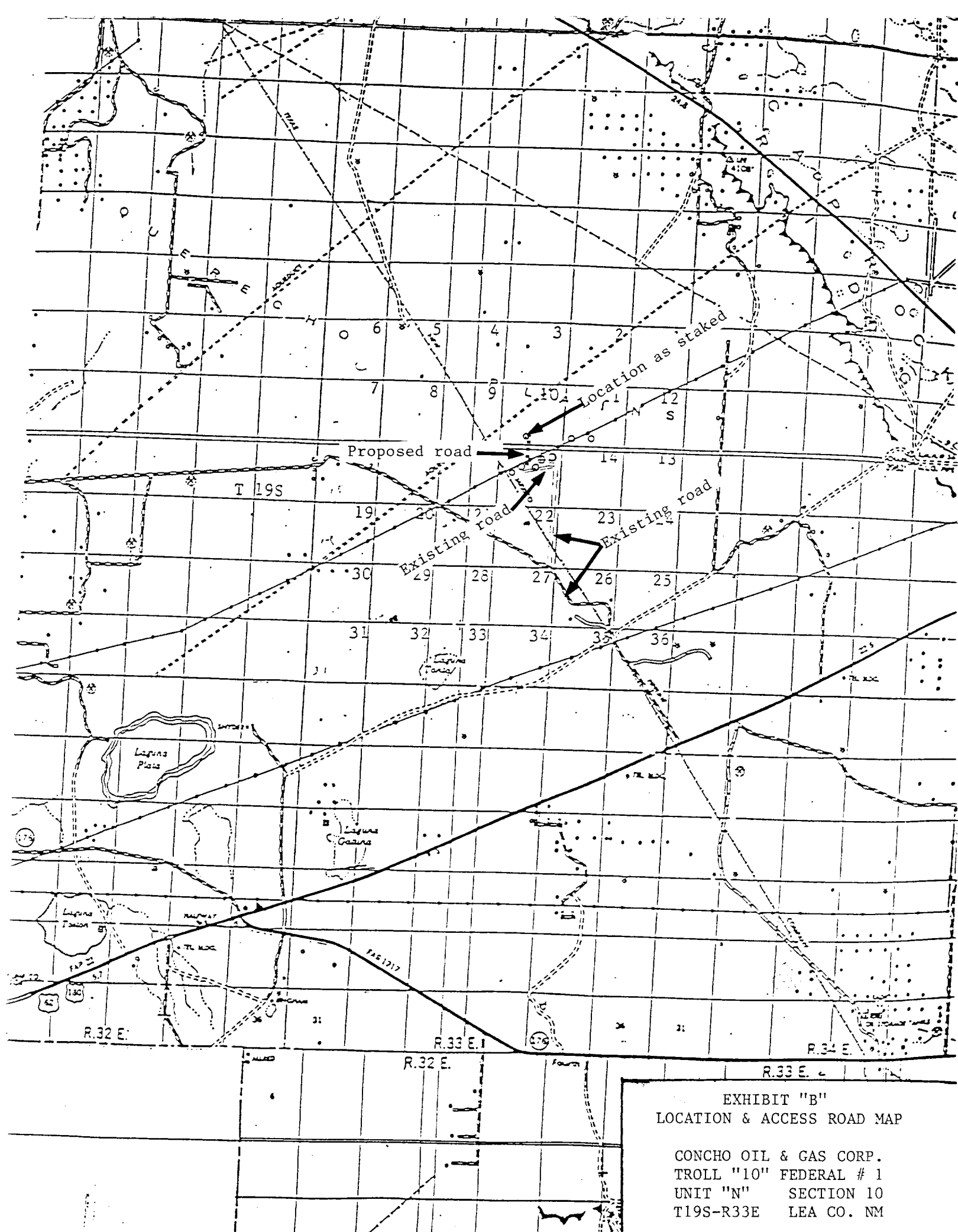


EXHIBIT "B"
LOCATION & ACCESS ROAD MAP

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

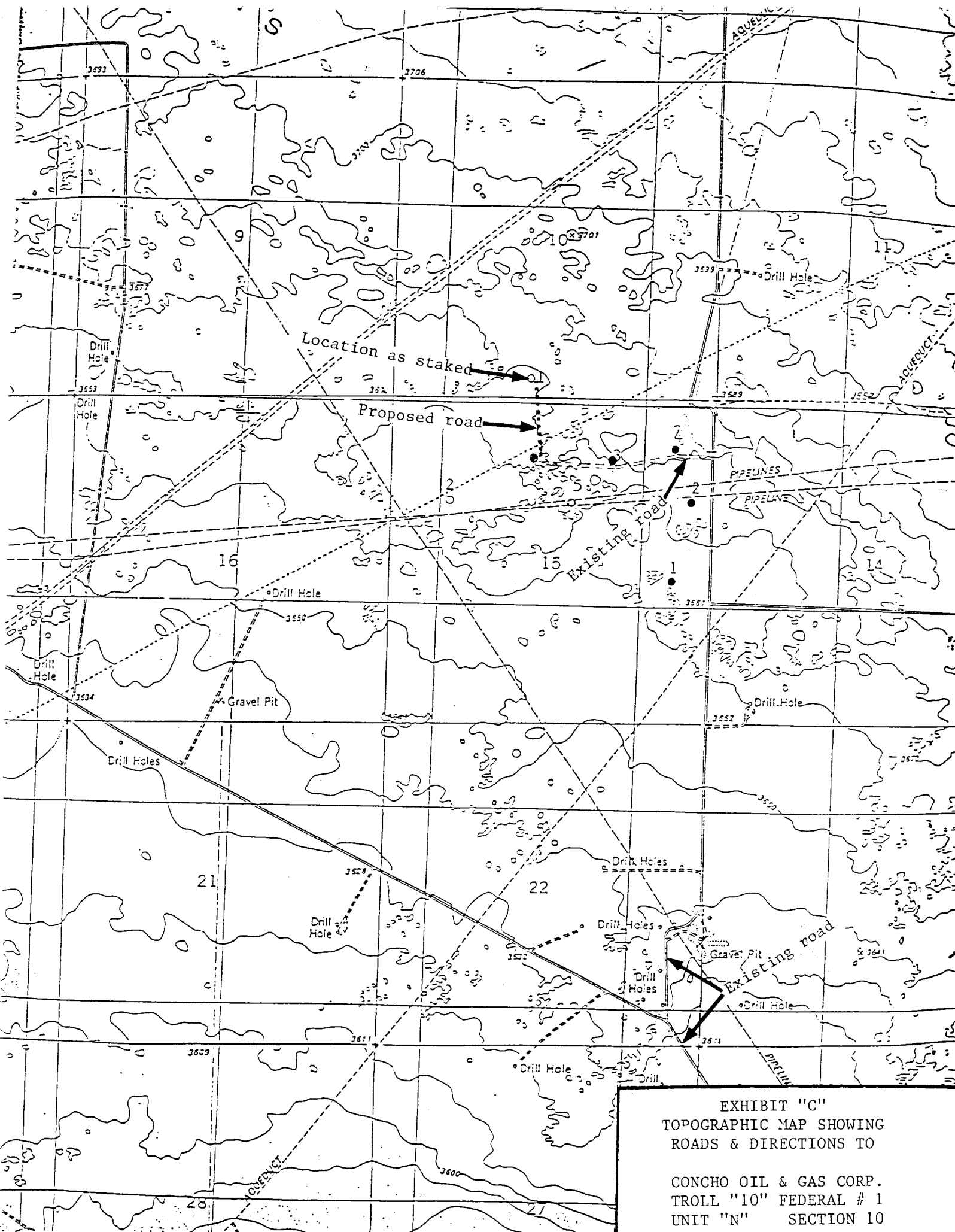
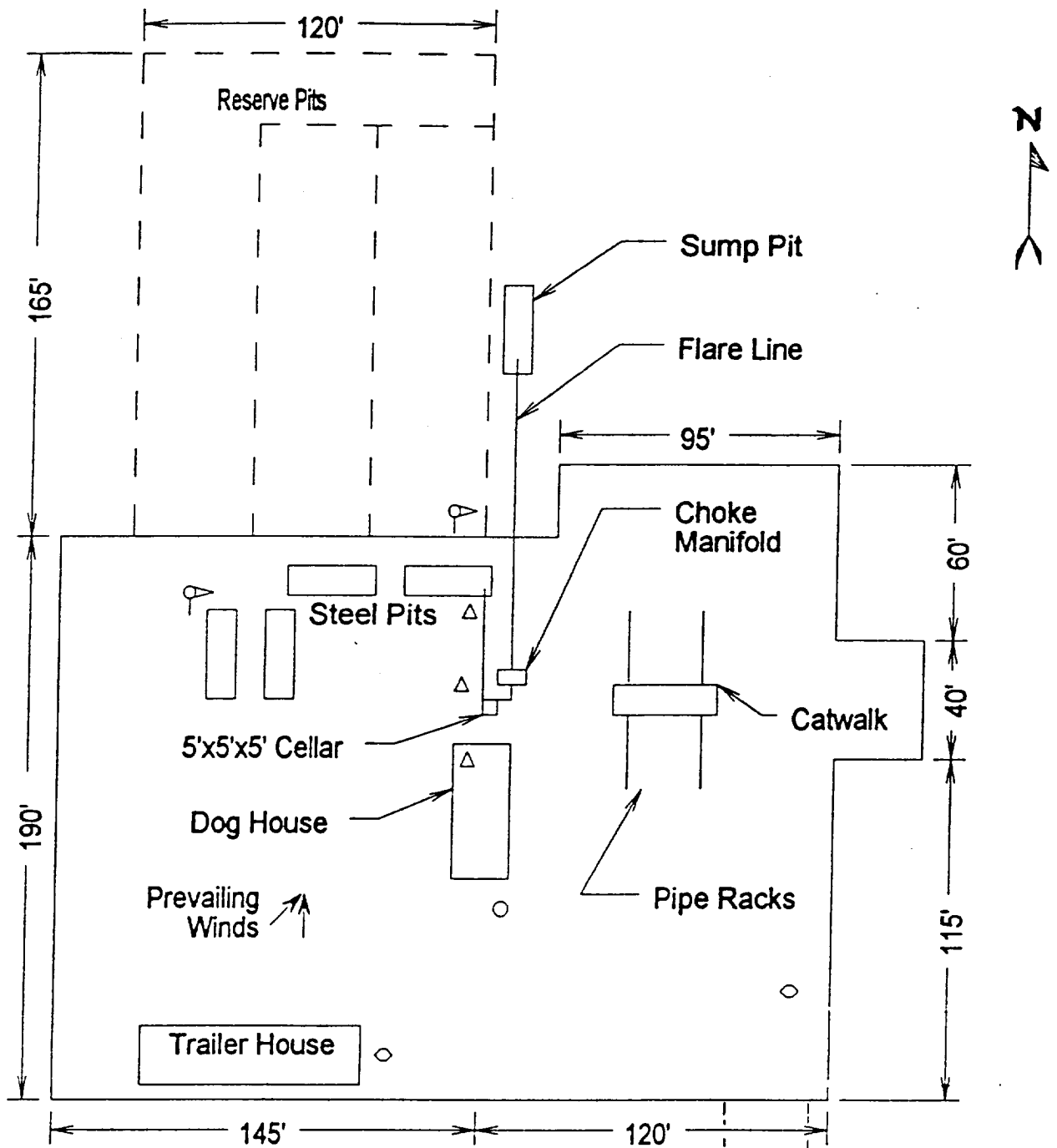


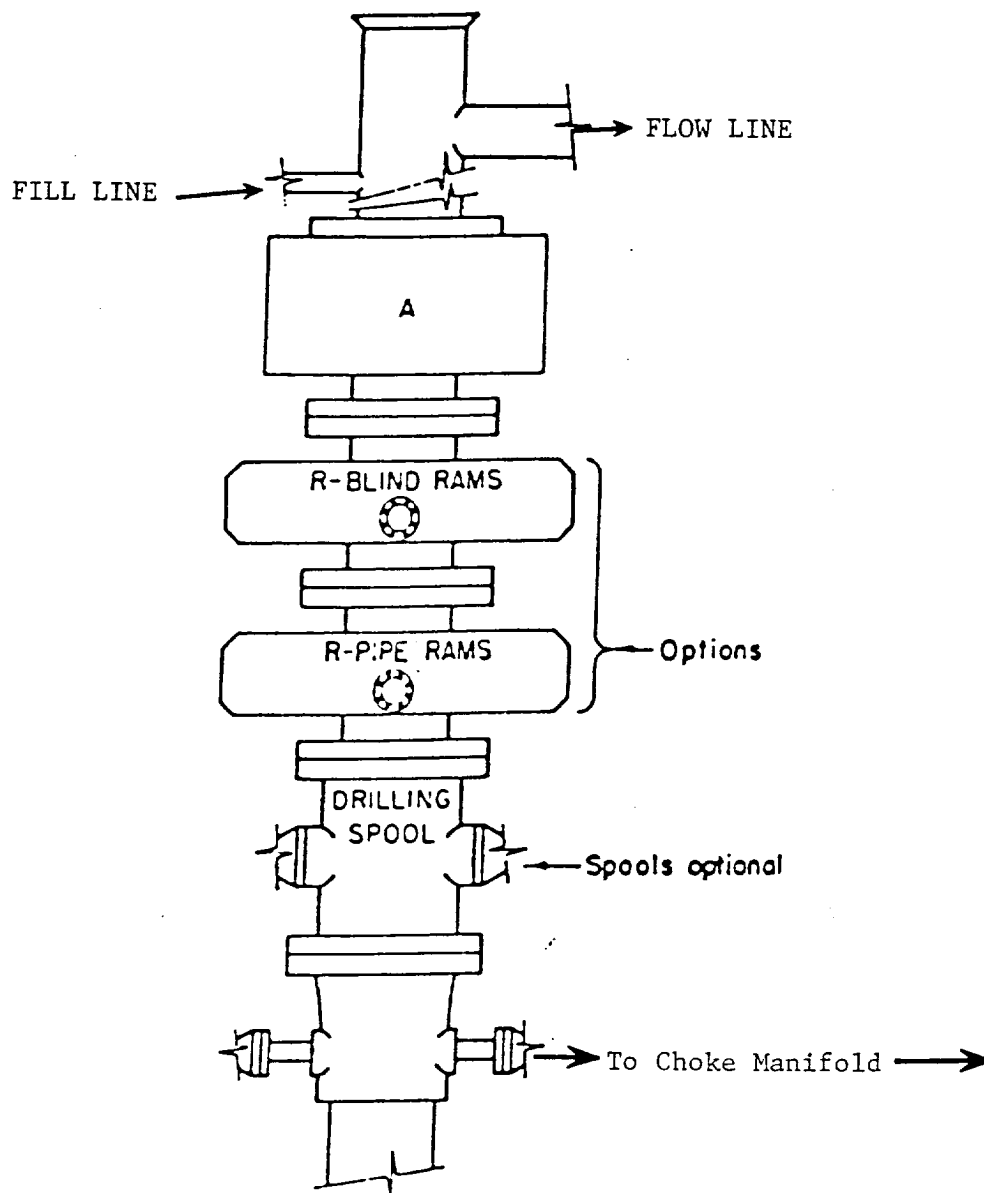
EXHIBIT "C"
TOPOGRAPHIC MAP SHOWING
ROADS & DIRECTIONS TO
CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T10C-D32E TFA CO NM



- ⊙ Wind Direction Indicators
(wind sock or streamers)
- △ H2S Monitors
(alarms at bell nipple and shale shaker)
- Briefing Areas
- Remote BOP Closing Unit
- Sign and Condition Flags

EXHIBIT "D"
RIG LAY OUT PLAT

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM



ARRANGEMENT SRRA

900 Series
3000 PSI WP

EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

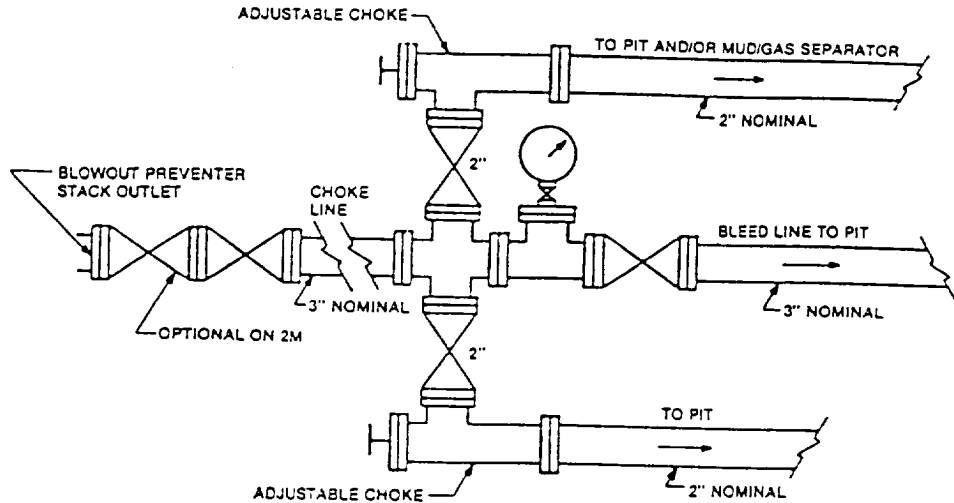


FIGURE K4-1. Typical choke manifold assembly for 2M and 3M rated working pressure service — surface installation.

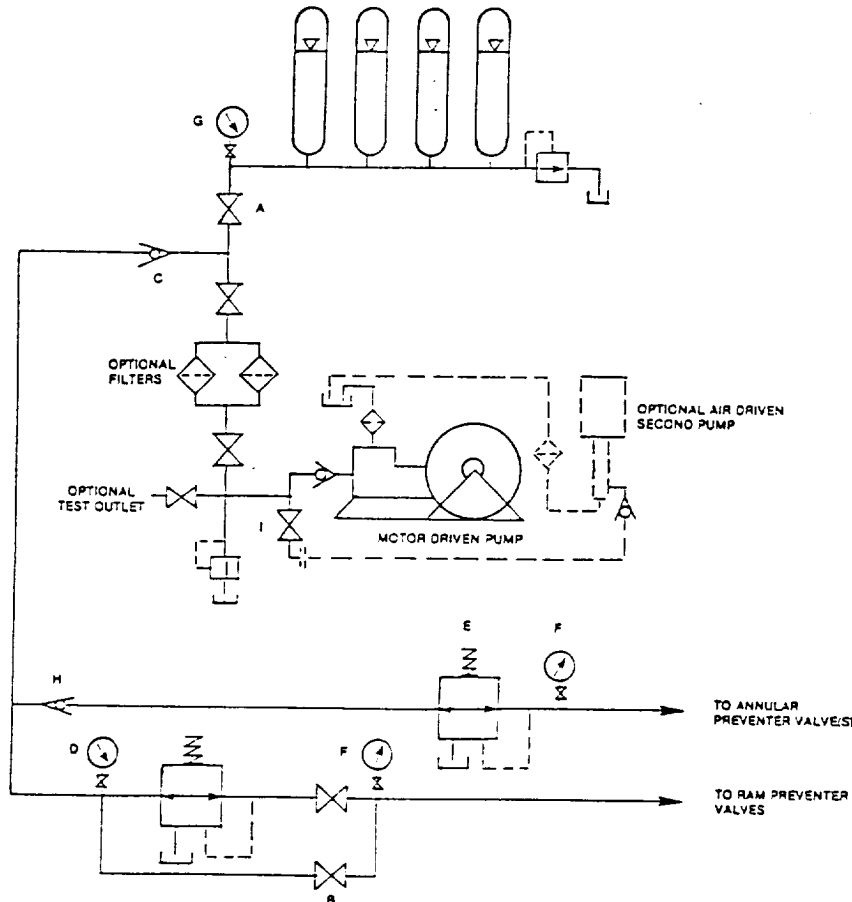


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

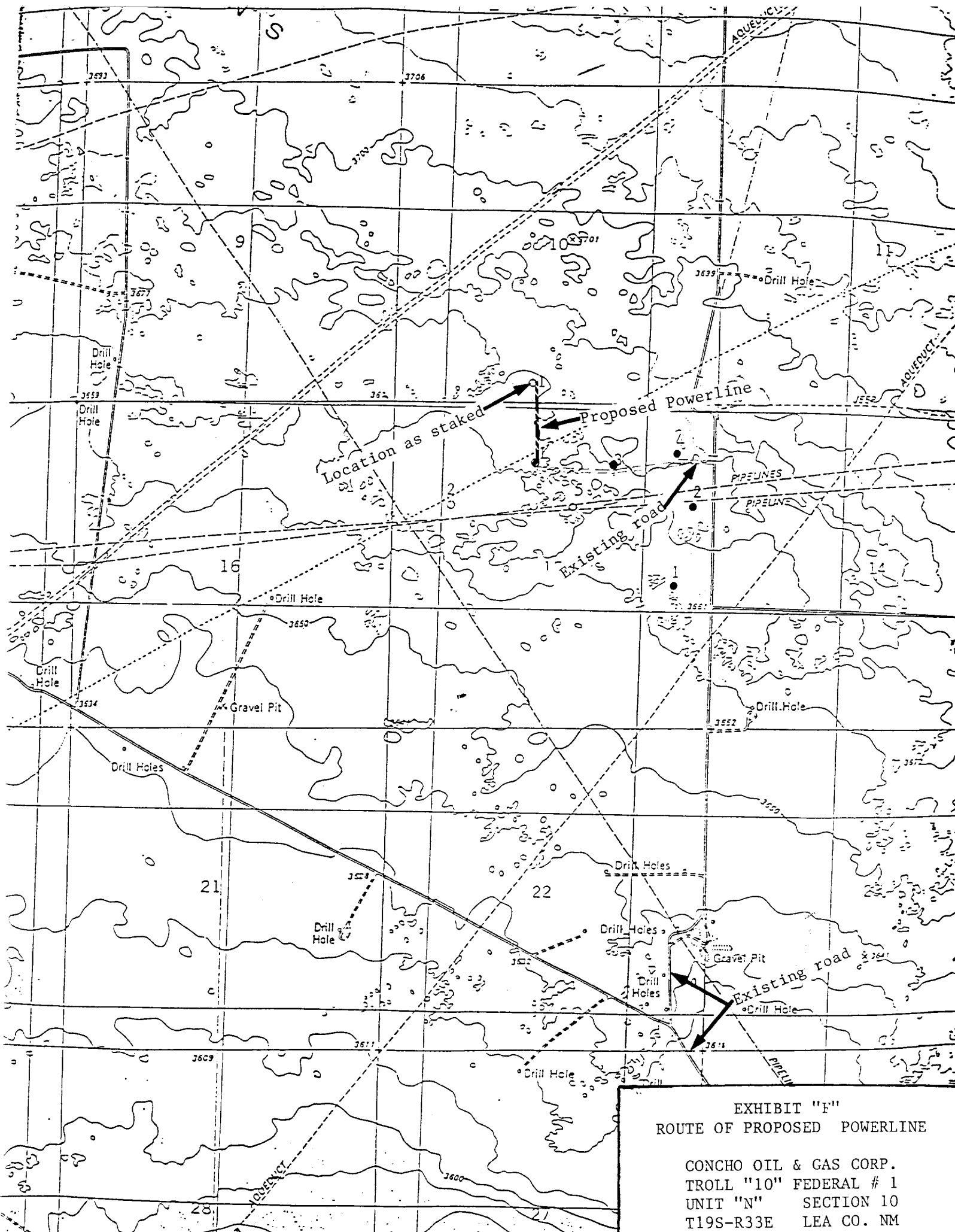


EXHIBIT "F"
ROUTE OF PROPOSED POWERLINE

CONCHO OIL & GAS CORP.
TROLL "10" FEDERAL # 1
UNIT "N" SECTION 10
T19S-R33E LEA CO. NM

UNITED STATES DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-1287

Statement Accepting Responsibility for Operations

Operator Name : CONCHO OIL & GAS CORP.
Street or Box : 110 W. LOUISIANA, SUITE 410
City, State : MIDLAND, TEXAS
Zip Code : 79701

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.: LC-060549

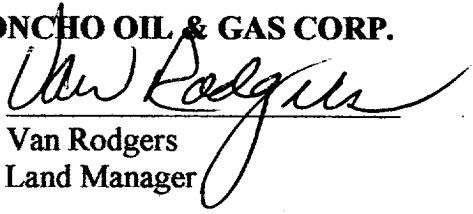
Legal Description of Land: INSOFAR AS SAID LEASE COVERS:
TOWNSHIP 19 SOUTH, RANGE 33 EAST, N.M.P.M.
SECTION 10: S/2S/2

Formation(s) (if applicable): SEVEN RIVERS

Bond Coverage (State if individually bonded or another's bond): INDIVIDUALLY

BLM Bond File No.: NM 2611

CONCHO OIL & GAS CORP.

Authorized Signature: 

Van Rodgers
Land Manager

Date: September 26, 2002

RECEIVED
SEP 27 2002