

H-40  
New Mexico Oil Conservation  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
1625 N. First  
Hobbs, NM 88240

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

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 1800' FNL & 210' FEL SEC. 15 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 Southwest 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  
320

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.  
1200'

19. PROPOSED DEPTH  
3900'

20. ROTARY OR CABLE TOOLS  
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3667' GR.

22. APPROX. DATE WORK WILL START\* WHEN APPROVED

PROPOSED CASING AND CEMENTING PROGRAM

Capitan Controlled Water Basin

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 1/2"	J-55 8 5/8"	32	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 1/2" hole to 1500'. Run and set 1500' of 8 5/8" 32# 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.

OPER. OGRID NO. 193407  
PROPERTY NO. 27369  
POOL CODE 59470  
EFF. DATE 8-9-02  
API NO. 30-025-35970

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

IN ABX deepen 24. If deepening, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen, give data on present productive zone and proposed new productive zone.

SIGNED [Signature] TITLE Agent DATE 05/22/02

(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 lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ Mary J. Rugwell TITLE FOR FIELD MANAGER DATE AUG 07 2002

\*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

756

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 CONCHO OIL & GAS CORP. (ERICK NELSON 915-683-7443)

3a. Address 110 WEST LOUISIANA  
 SUITE 410 MIDLAND, TEXAS 79701

3b. Phone No. (include area code)  
 915-683-7443

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1800' FNL & 2010' FEL SEC. 15 T19S-R33E LEA CO. NM

5. Lease Serial No.  
 NM-54882

6. If Indian, Allottee or Tribe Name  
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7. If Unit or CA/Agreement, Name and/or No.  
 -----

8. Well Name and No.  
 WYNELL FEDERAL # 5

9. API Well No.  
 30-025-35970

10. Field and Pool, or Exploratory Area  
 TONTO-SEVEN RIVERS

11. County or Parish, State  
 LEA CO. NEW MEXICO

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Move location</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1. This location was moved 300' East at the request of Mr. Don Peterson, all other information on the APD is as originally submitted.

RECEIVED  
 JUL 3 PM 3 12  
 CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed)

Joe T. Janica

Title Agent

Signature

*Joe T. Janica*

Date 07/02/02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by /s/ Mary J. Rugwell

FOR FIELD MANAGER

Title

Date AUG 07 2002

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

CARLSBAD FIELD OFFICE

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025-35970	Pool Code 59470	Pool Name TONTO SEVEN RIVERS
Property Code 27369	Property Name WYNELL FEDERAL	Well Number 5
OGRID No. 193407	Operator Name CONCHO OIL & GAS CORPORATION	Elevation 3671'

Surface Location

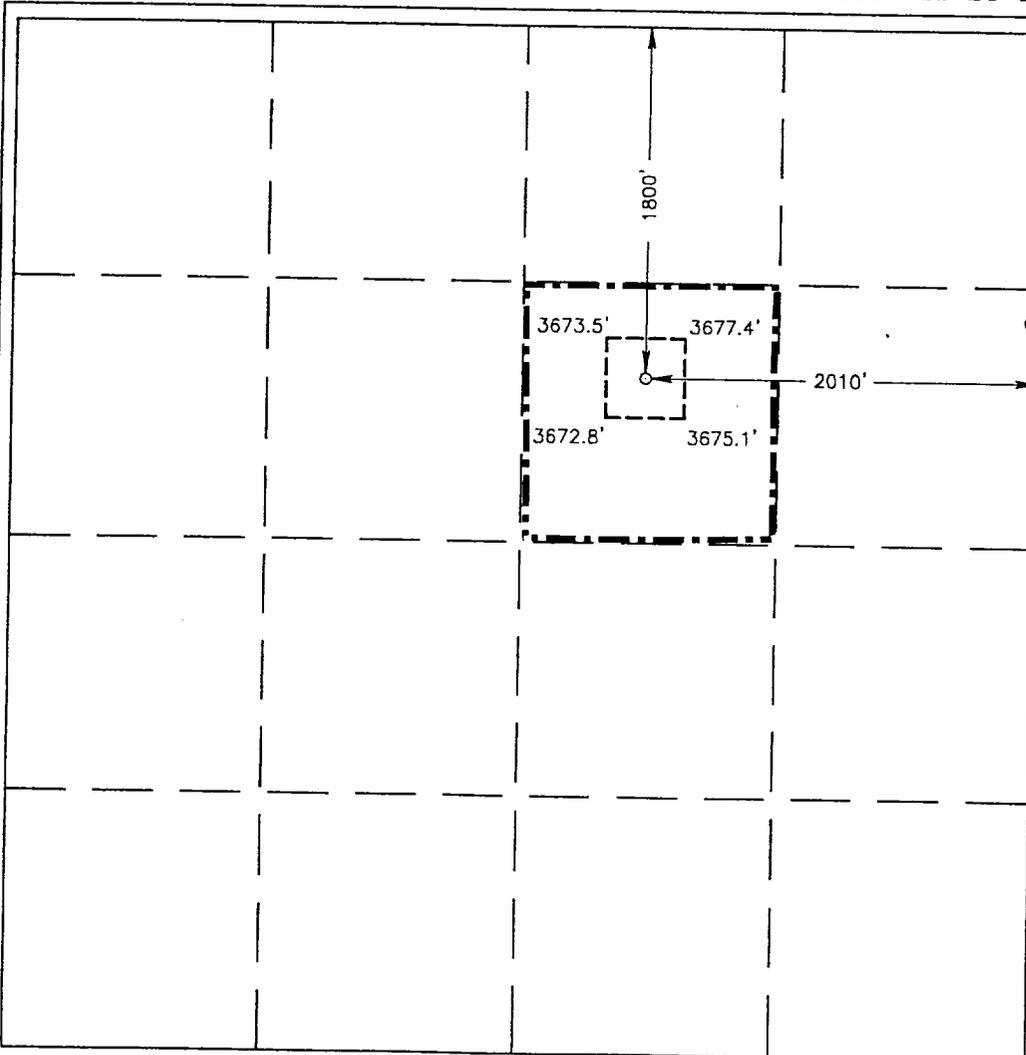
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	15	19-S	33-E		1800	NORTH	2010	EAST	LEA

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.
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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.

*Joe T. Janica*  
Signature  
Joe T. Janica  
Printed Name  
Agent  
Title  
07/02/02  
Date

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**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.

MAY 14, 2002  
Date Surveyed  
Signature & Seal of Professional Surveyor  
*Ronald J. Edson*  
Professional Surveyor  
02-11-0489  
Certificate No. RONALD J. EDSON 3239  
GARY EDSON 12641

APPLICATION TO DRILL

CONCHO OIL & GAS CORP.  
 WYNELL FEDERAL # 5  
 UNIT "G" SECTION 15  
 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: 1800' FNL & 2310' FEL SEC. 15 T19S-R33E LEA CO. NM
2. Elevation above Sea Level: 3667' 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"	32	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.  
 WYNELL FEDERAL # 5  
 UNIT "C" SECTION 15  
 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" 32# J-55 ST&C casing. CEment with 650 Sx. Class "C" 35/65 POZ cement + 6% Gel + 2% CaCl + 1/4# 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. + 1/4# 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.  
WYNELL FEDERAL # 5  
UNIT "G" SECTION 15  
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, H<sub>2</sub>S detectors will be in place to detect any presence of unsafe levels of H<sub>2</sub>S. 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 H<sub>2</sub>S safety instructor to the following:
  - A. Characteristics of H<sub>2</sub>S
  - B. Physical effects and hazards
  - C. Proper use of safety equipment and life support systems.
  - D. Principle and operation of H<sub>2</sub>S detectors, warning system and briefing areas.
  - E. Evacuation procedure, routes and first aid.
  - F. Proper use of 30 minute pressure demand air pack.
2. H<sub>2</sub>S Detection and Alarm Systems
  - A. H<sub>2</sub>S detectors and audio alarm system to be located at bell nipple, end of blowie line (mud pit) and on derrick floor or doghouse.
3. Windsack and/or wind streamers
  - A. Windsack at mudpit area should be high enough to be visible.
  - B. Windsack at briefing area should be high enough to be visible.
  - C. There should be a windsack 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, H<sub>2</sub>S 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 H<sub>2</sub>S has on tubular goods and other mechanical equipment.
9. If H<sub>2</sub>S 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 H<sub>2</sub>S scavengers if necessary.

SURFACE USE PLAN

CONCHO OIL & GAS CORP.  
WYNELL FEDERAL # 5  
UNIT "G" SECTION 15  
T19S-R33E LEA CO. NM

1. EXISTING AND PROPOSED ROADS: Area maps: Exhibit "B" is a reproduction of a County General Hi-way map showing access roads to the location. Exhibit "C" is a reproduction of a USGS Topographic map showing existing roads in close proximity to the location and the proposed access roads. All existing roads will be maintained in a condition equal to or better than their current conditions. All new roads will be constructed to BLM specifications.
  - A. Exhibit "A" shows the location of the proposed well site as staked.
  - B. From H9bbs New Mexico take U.S. Highway 62-180 West toward Carlsbad New Mexico go 30 miles to Smith Ranch Road, turn right follow road 2.2 miles bear Left follow caliche road Northwest approximately .2 miles turn Right follow lease road 1.8 miles turn West go past wells 3 & 4 bear Left go well # 5.
  - C. Lay pipelines and construct powerlines along road R-O-W tservice wells as shown on Exhibit "F".
2. PLANNED ACCESS ROADS: 1150' of new road will be constructed.
  - A. The access road will be crowned and ditched to a 12' wide traveled surface with a 40' Right-Of-Way.
  - B. Gradient on all roads will be less than 5% if possible.
  - C. Turn-outs will be constructed where necessary.
  - D. If needed roads will be surfaced to the BLM requirements with material obtained from a local source.
  - E. Center line of new road will be flagged.
  - F. The new road will be constructed to utilize low water crossings where drainage currently exists, and culverts will be installed where necessary.
3. EXHIBIT "A-1" SHOWS THE BELOW LISTED TYPE WELLS WITHIN A 1 MILE RADIUS:

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"

SURFACE USE PLAN

CONCHO OIL & GAS CORP.  
WYNELL FEDERAL # 5  
UNIT "G" SECTION 15  
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 approve disposal site. Later pips 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.

SURFACE USE PLAN

CONCHO OIL & GAS CORP.  
WYNELL FEDERAL # 5  
UNIT "G" SECTION 15  
T19S-R33E LEA CO. NM

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.

SURFACE USE PLAN

CONCHO OIL & GAS CORP.  
WYNELL FEDERAL # 5  
UNIT "G" SECTION 15  
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 REPRESENTIVES:

Before construction:

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

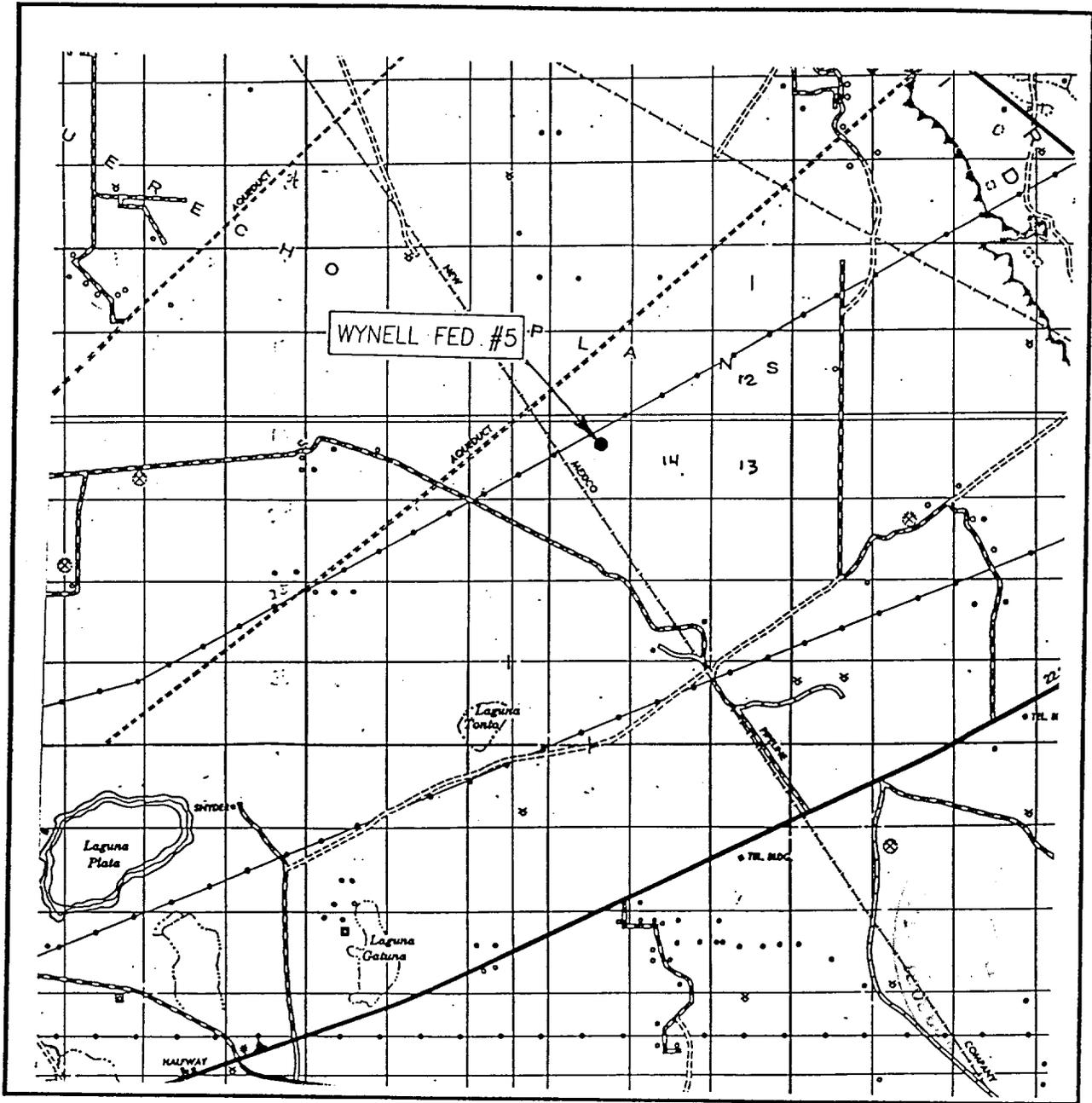
During and after construction:

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 compformity 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 : 05/22/02  
TITLE : Agent

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 15 TWP. 19-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1800' FNL & 2010' FEL

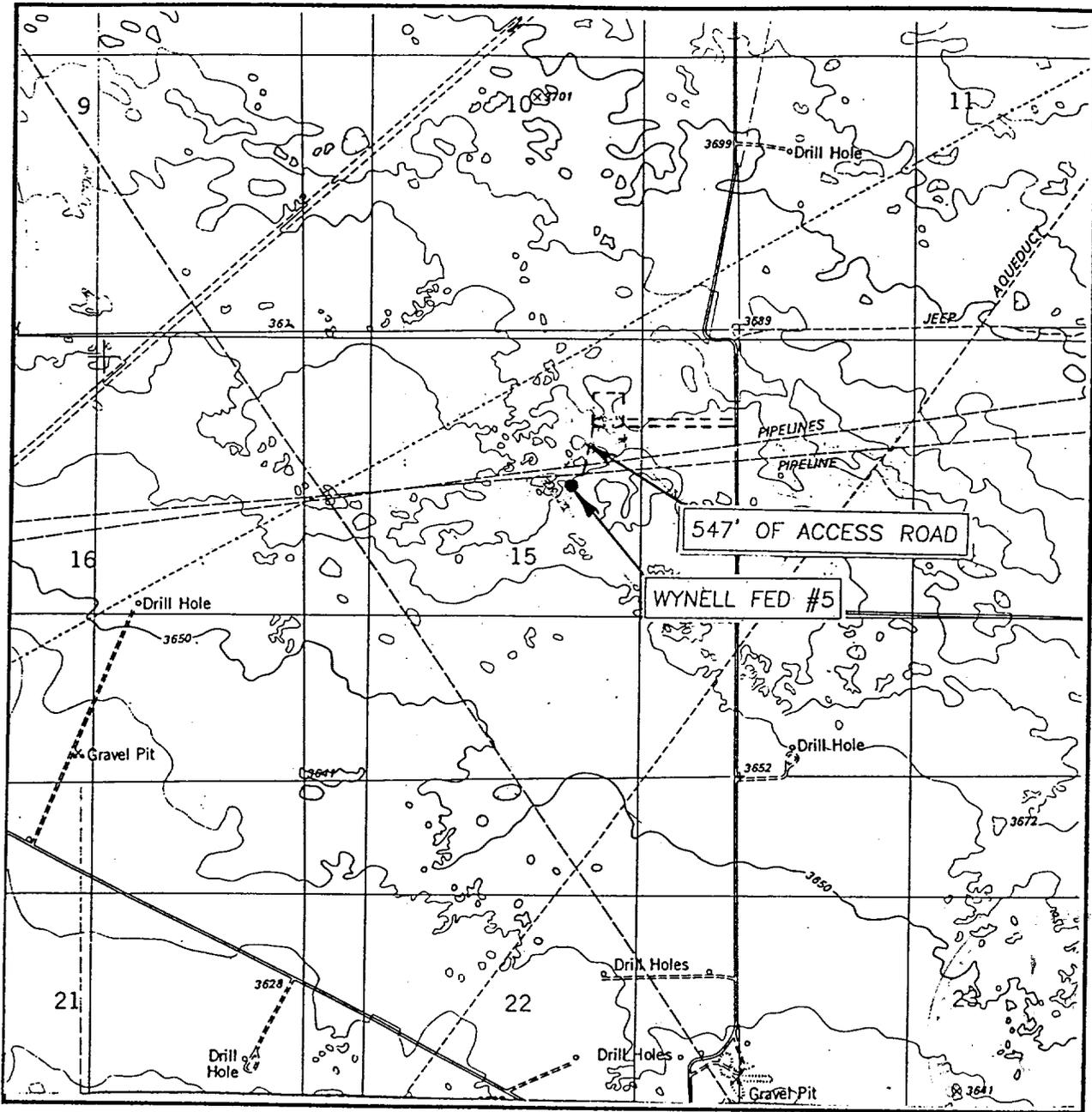
ELEVATION 3671'

OPERATOR CONCHO OIL & GAS CORPORATION

LEASE WYNELL FEDERAL

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

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

LAGUNA GATUNA NW, N.M.

SEC. 15 TWP. 19-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1800' FNL & 2010' FEL

ELEVATION 3671'

OPERATOR CONCHO OIL & GAS CORPORATION

LEASE WYNELL FEDERAL

U.S.G.L.O. TOPOGRAPHIC MAP

LAGUNA GATUNA NW, N.M.

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

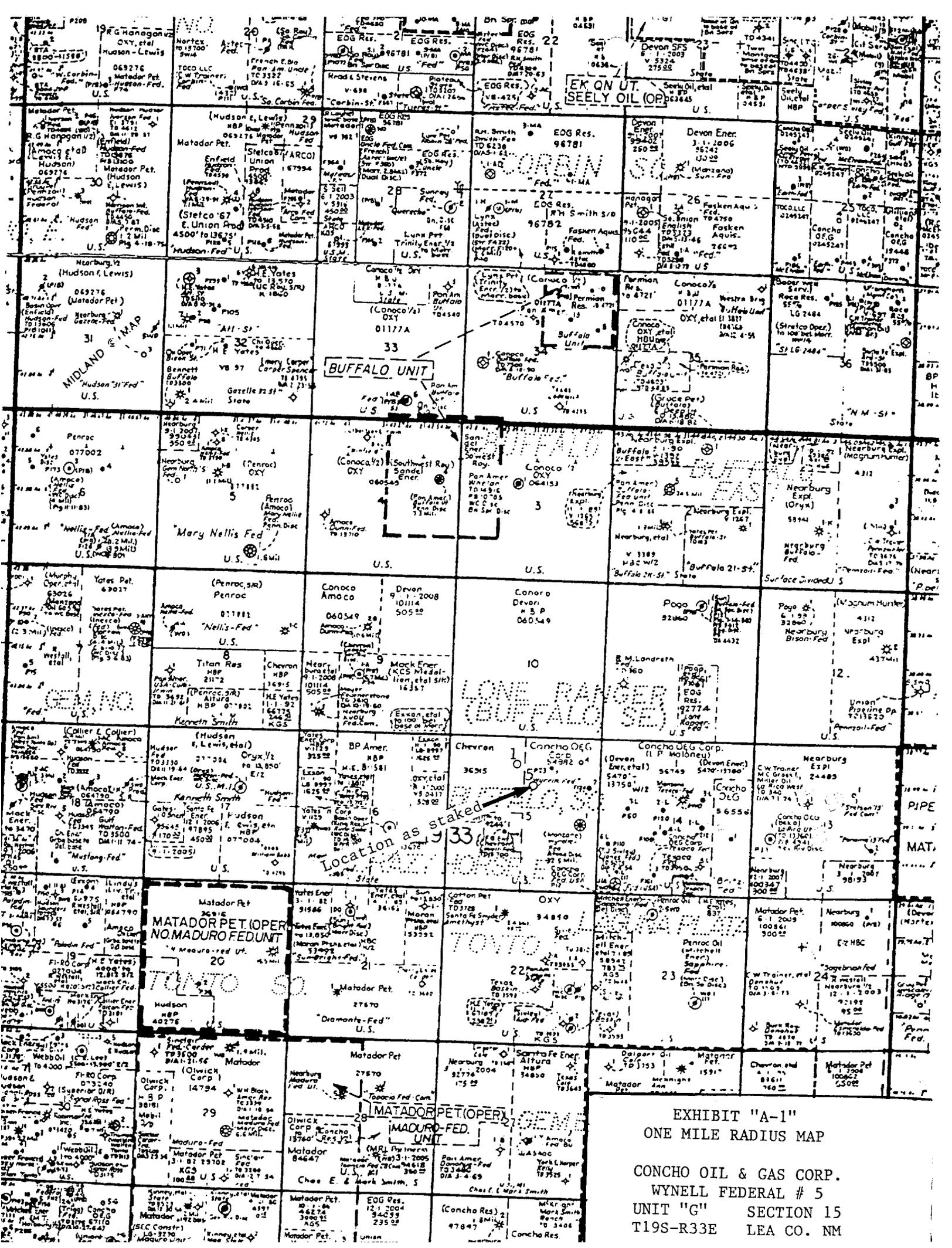


EXHIBIT "A-1"  
 ONE MILE RADIUS MAP  
 CONCHO OIL & GAS CORP.  
 WYNELL FEDERAL # 5  
 UNIT "G" SECTION 15  
 T19S-R33E LEA CO. NM

Location as staked  
 33

MATADOR PET. OPER.  
 NO. MADURO FED. UNIT

MATADOR PET. OPER.  
 MADURO-FED.  
 UNIT



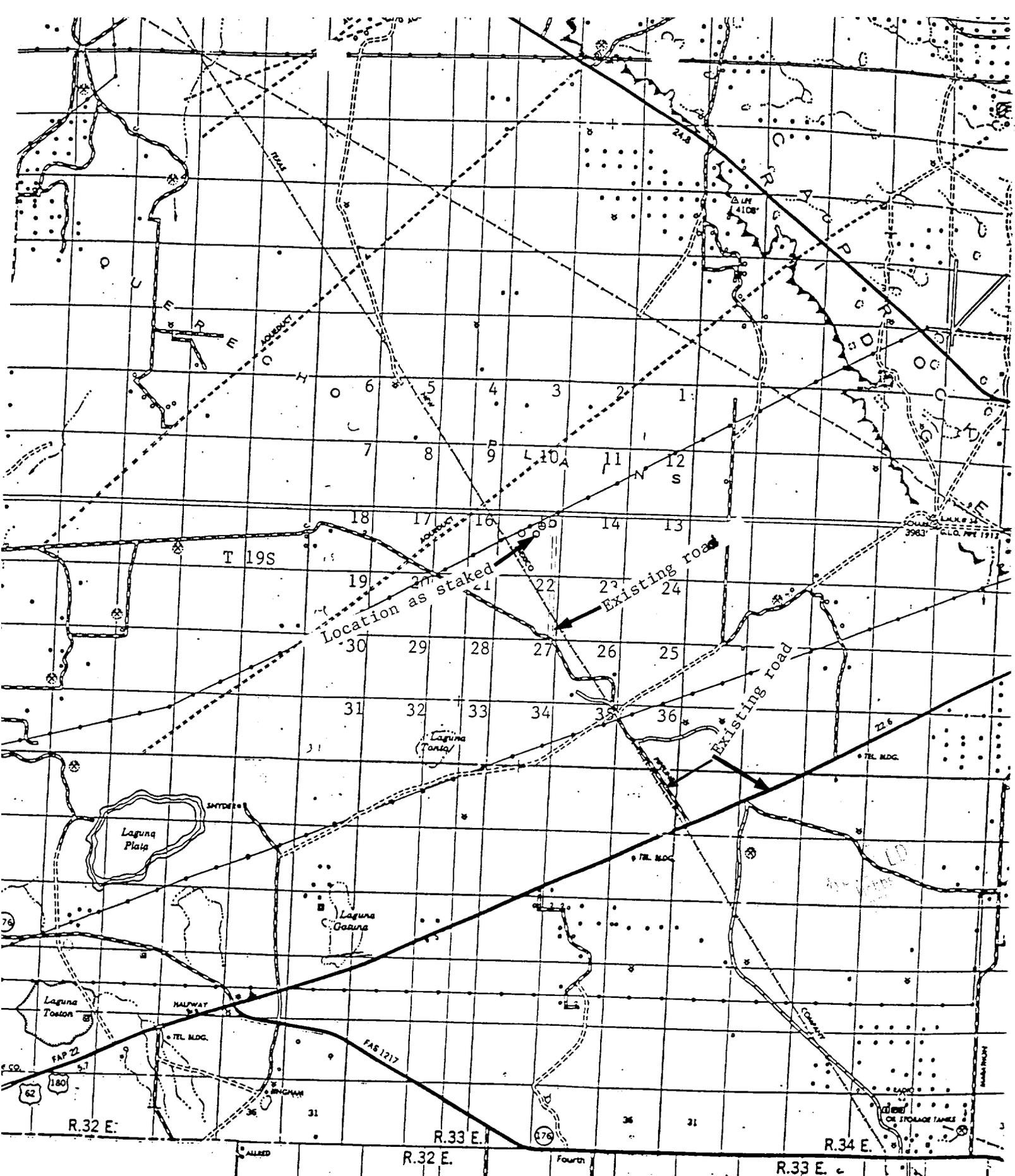


EXHIBIT "B"  
 LOCATION & ACCESS ROAD MAP  
 CONCHO OIL & GAS CORP.  
 WYNELL FEDERAL # 5  
 UNIT "G" SECTION 15  
 T19S-R33E LEA CO. NM

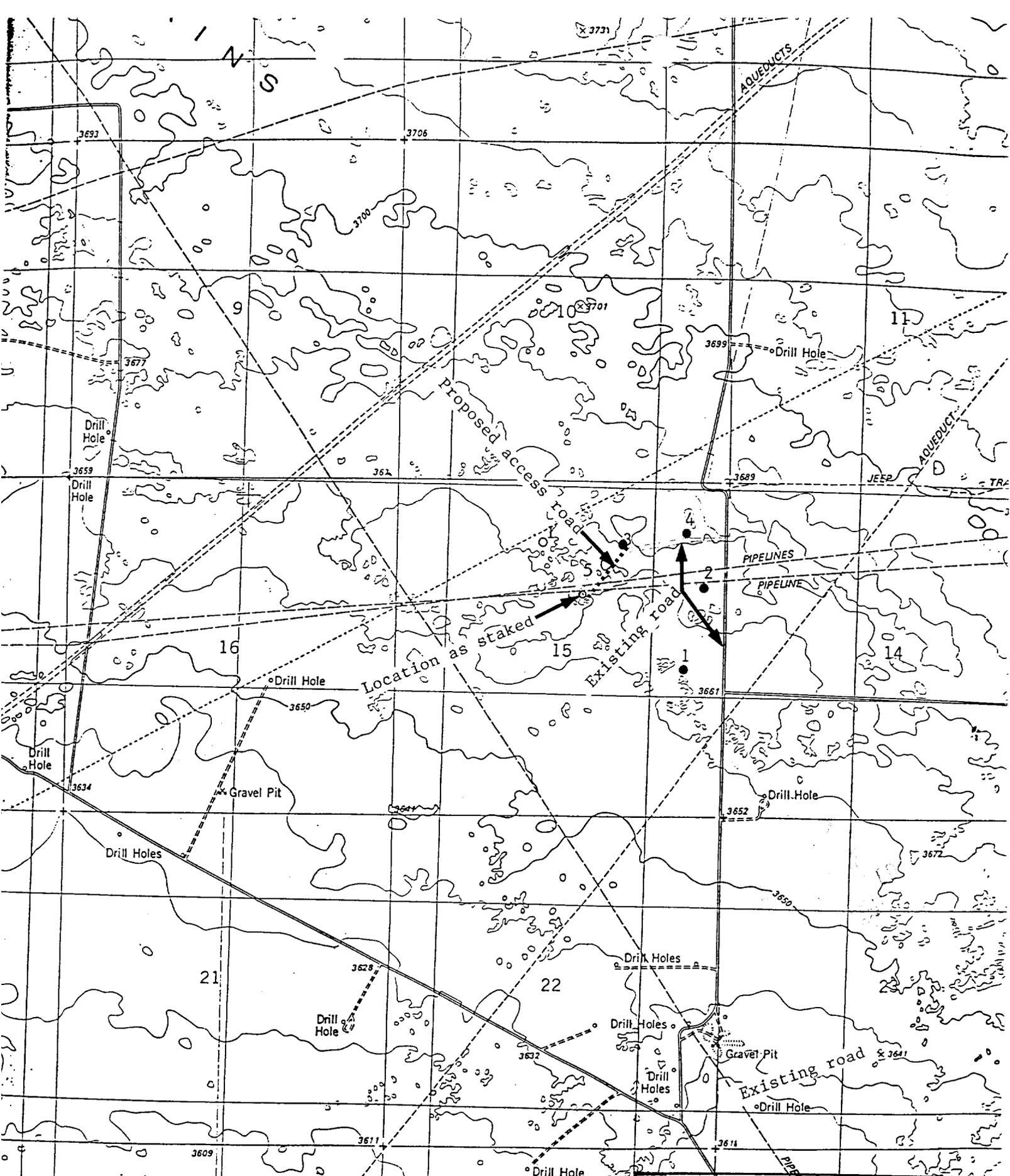
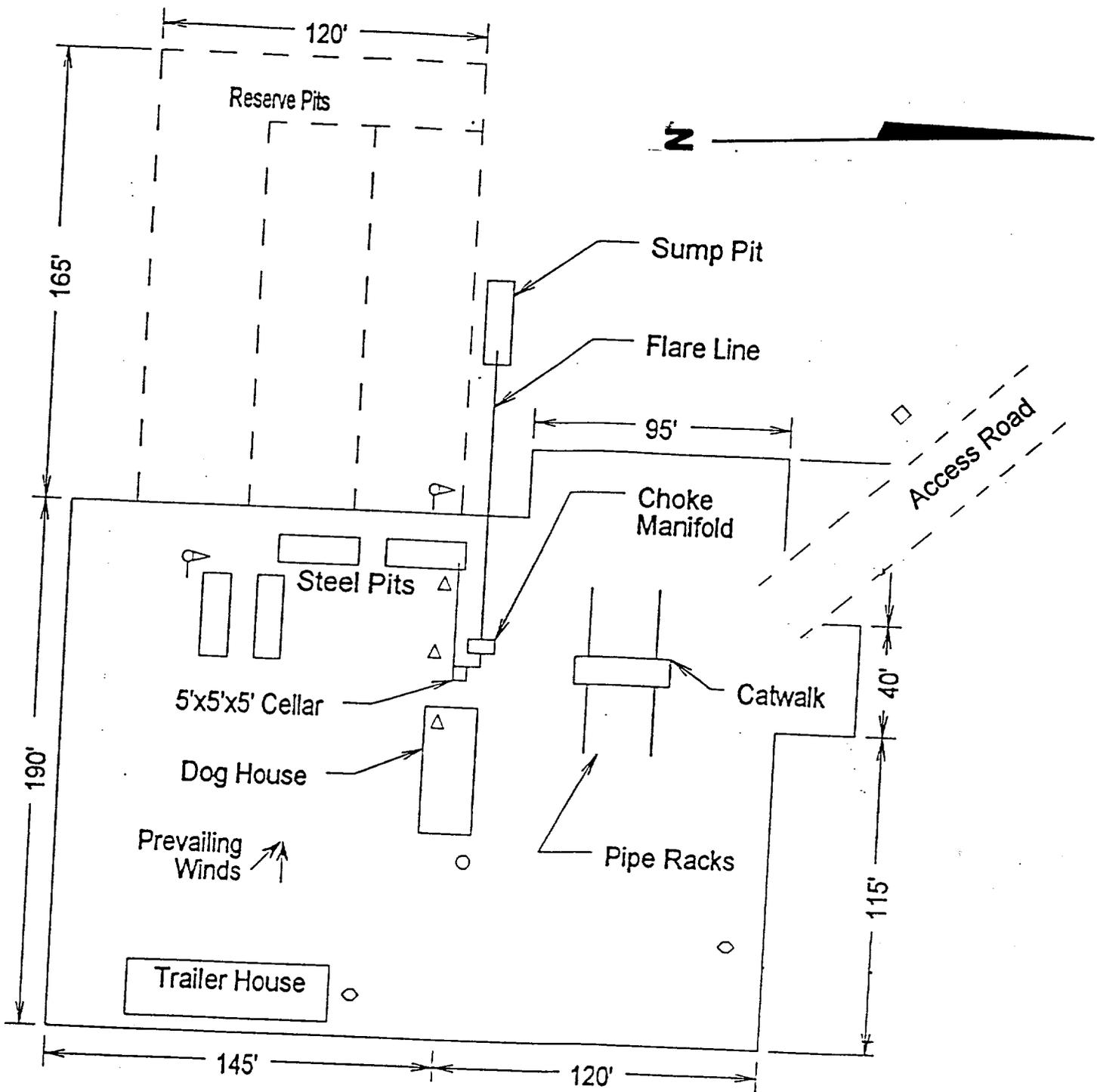


EXHIBIT "C"  
 TOPOGRAPHIC MAP SHOWING  
 ROADS & DIRECTIONS TO

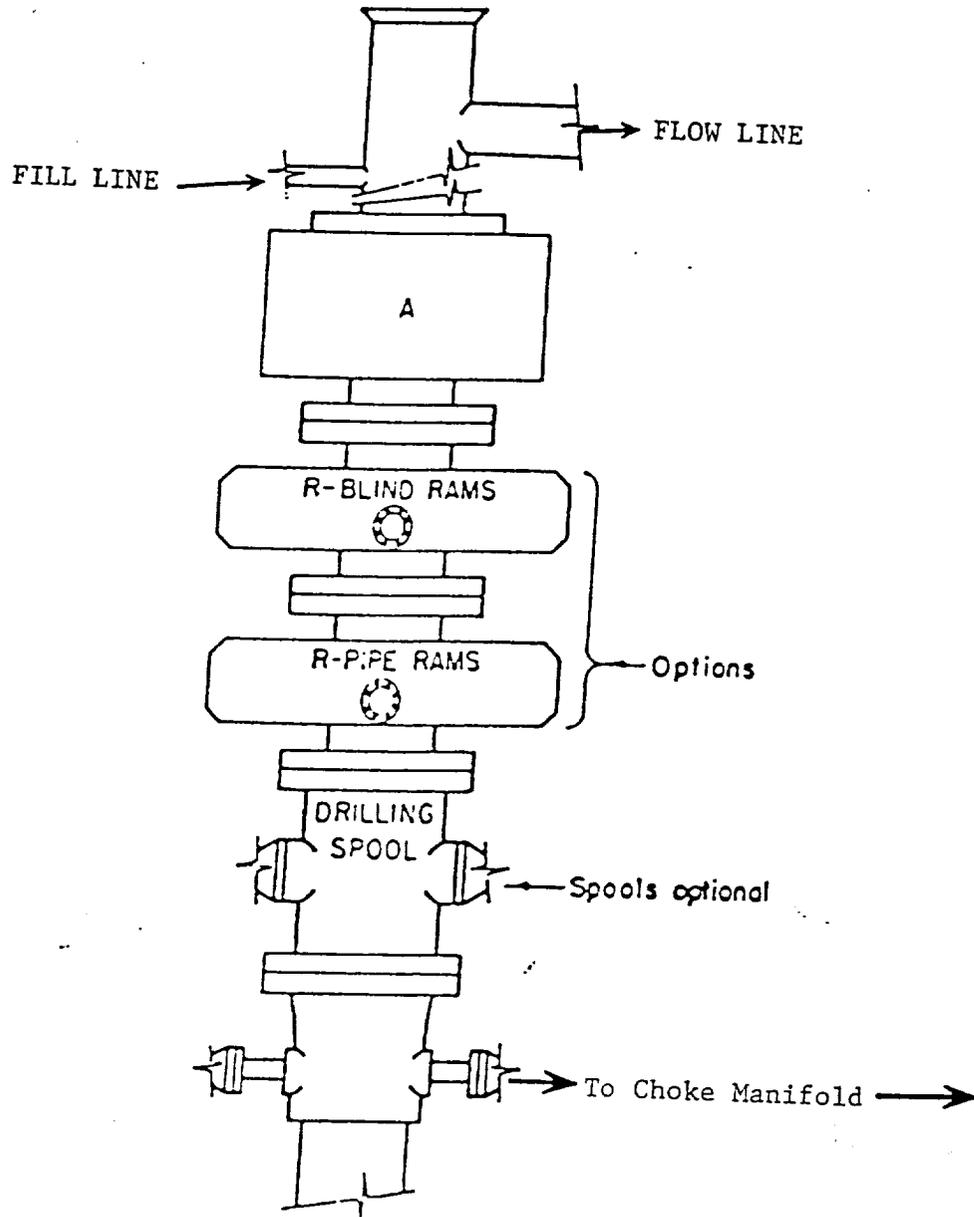
CONCHO OIL & GAS CORP.  
 WYNELL FEDERAL # 5  
 UNIT "G" SECTION 15  
 T19S-R33E IFA CO. NM



- ⊙ 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.  
WYNELL FEDERAL # 5  
UNIT "G" SECTION 15  
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.  
WYNELL FEDERAL # 5  
UNIT "G" SECTION 15  
T19S-R33E LEA CO. NM

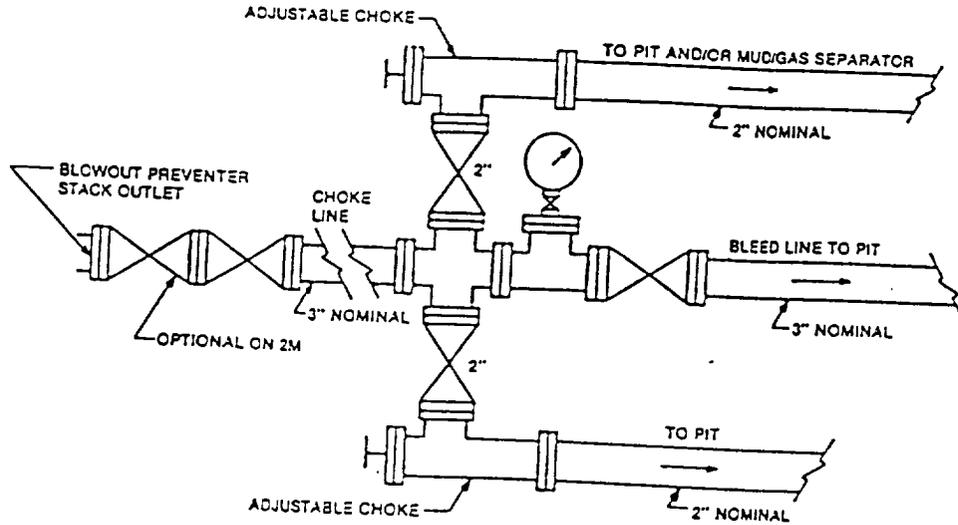


FIGURE K4-1. Typical choke manifold assembly for 2M and 3M rated working pressure service — surface installation.

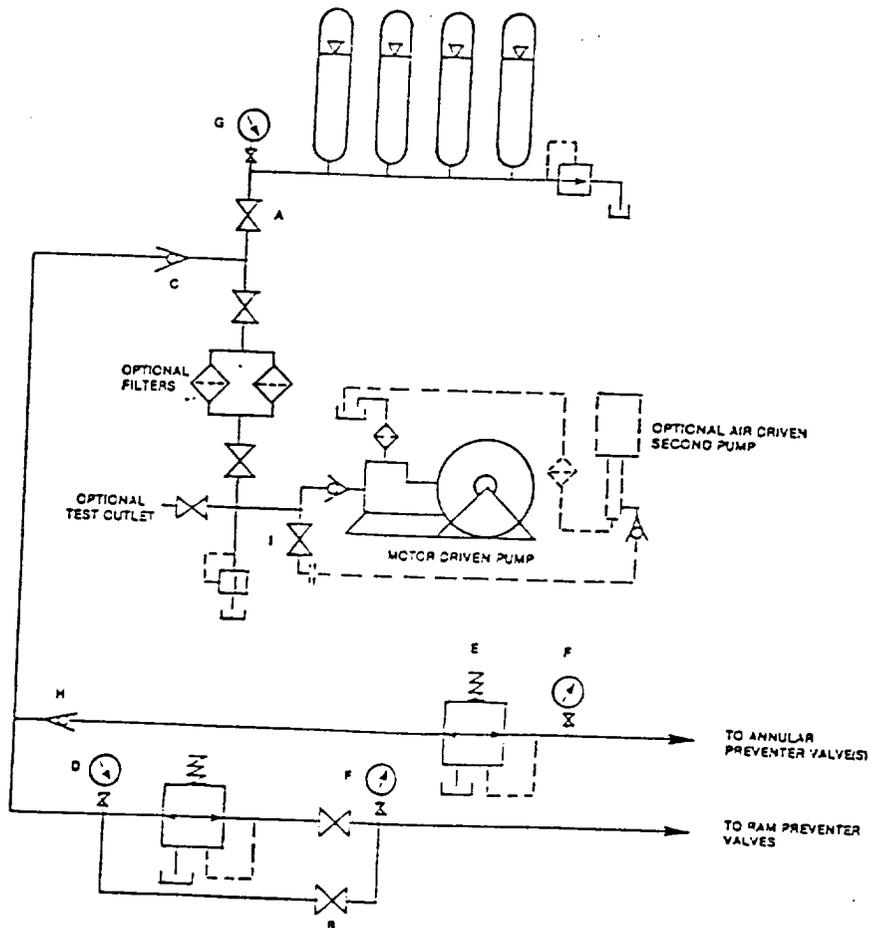
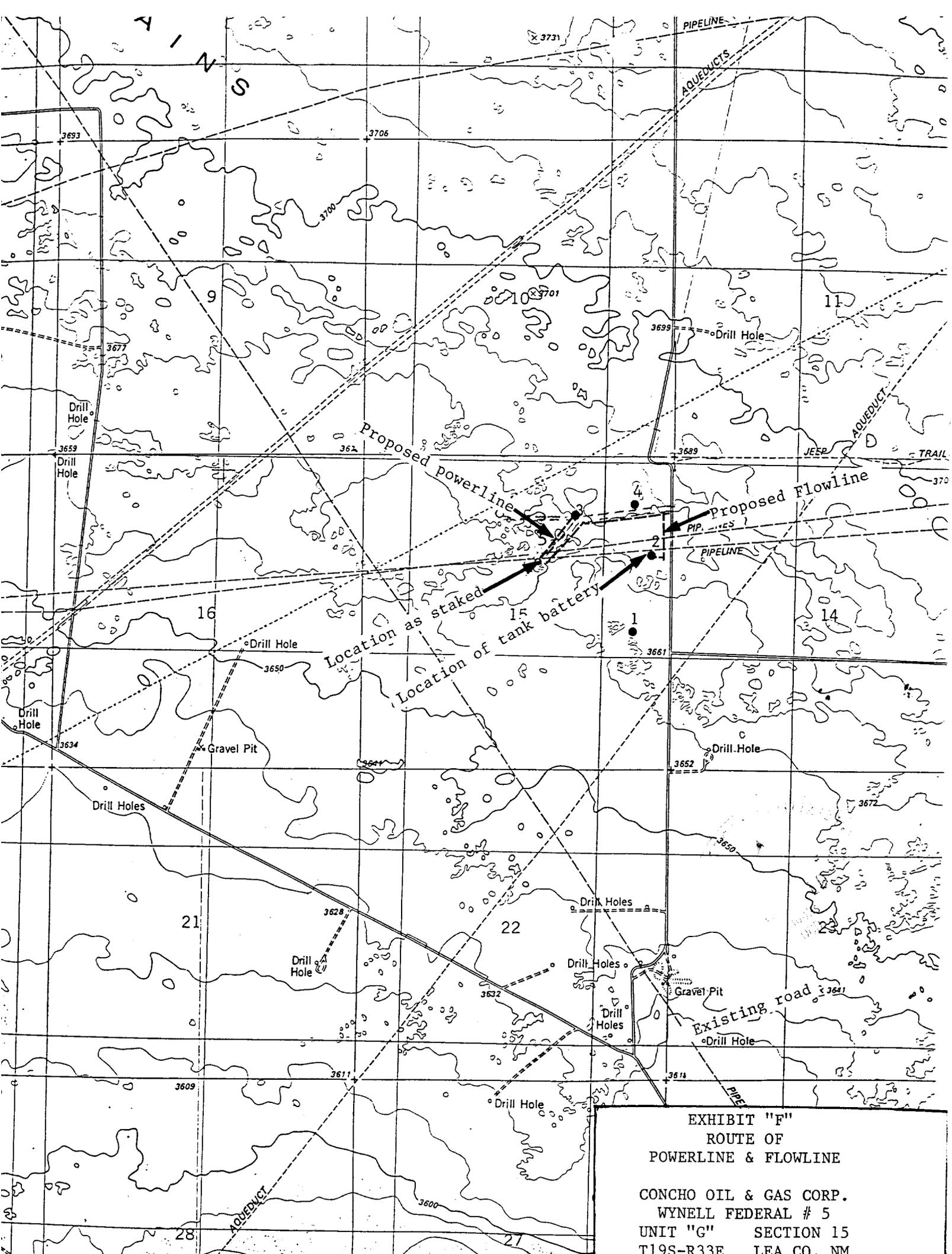


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

EXHIBIT "E-1"  
CHOKE MANIFOLD & CLOSING UNIT

CONCHO OIL & GAS CORP.  
WYNELL FEDERAL # 5  
UNIT "G" SECTION 15  
T19S-R33E LEA CO. NM



**EXHIBIT "F"**  
**ROUTE OF**  
**POWERLINE & FLOWLINE**

CONCHO OIL & GAS CORP.  
 WYNELL FEDERAL # 5  
 UNIT "G" SECTION 15  
 T19S-R33E I.E.A. CO. NM