Form 3160-3
(July 1992)

1625 N. [illegible]
Hobbs, NM [illegible]

SUBMIT TRIPLICATE*
(Other instructions on reverse side)

RECEIVED
JUL 2001
OCD - ARTESIA

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: LC-030187

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME, WELL NO.: C.E. LAMUNYON # 80

9. API WELL NO.: 30-025-35624

10. FIELD AND POOL, OR WILDCAT: TEAGUE-SIMPSON

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SEC. 27 T23S-R37E

12. COUNTY OR PARISH: LEA CO.

13. STATE: NEW MEXICO

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: ARCH PETROLEUM, INC. (RICHARD WRIGHT 915-685-8100)

3. ADDRESS AND TELEPHONE NO.: P.O. BOX 10340 MIDLAND, TEXAS 79702-7340

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1500' FNL & 150' FWL SEC. 27 T23S-R37E LEA CO. NM
At proposed prod. zone: SAME E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 15 miles Southeast of Eunice New Mexico

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	17. NO. OF ACRES ASSIGNED TO THIS WELL
150'	1520	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
990'±	9800'	ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3287' GR.

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"	Conductor	NA	40'	Cement to surface with Redi-mix
17½"	H-40 13 3/8"	48	1100'	1000 Sx. WITNESS
12¼"	J-55 9 5/8"	36	2500'	1000 Sx
* 8½"	J-55 7"	29	8100'±	1000 Sx.
** 6 1/8"	N-80 5"	18	9800'	200 Sx.
7 7/8"	J-55,N-80 5½"	17	9800'	1500 Sx.

Capitan Controlled Water Basin

* If no lost circulation problems occur in the Devonian reduce hole size to 7 7/8" and drill to TD.

** If lost circulation is a problem run 7" casing through trouble zone, then drill 6 1/8" hole to 9800' and run a liner from TD to 7800' and cement back to liner hanger.

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

SEE ATTACHED SHEET FOR DETAIL CASING, CEMENTING PROGRAM

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 Joe T Janica TITLE Agent DATE 04/21/01

(This space for Federal or State office use)

PERMIT NO. _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

OPER. OGRID NO. 962
PROPERTY NO. 14898
POOL CODE 58900
EFF. DATE 7-10-01
API NO. 30-025-35624

APPROVED BY /s/ LESLIE A. THEISS TITLE FIELD MANAGER DATE JUL 29 2001

*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

[illegible] crime for any person knowingly and willfully [illegible]

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 1100'. Run and set 1100' of 13 3/8" 48# H-40 ST&C casing. Cement with 1000 Sx. of Class "C" cement + 2% CaCl, + ¼#Flocels/Sx., circulate cement to surface.
3. Drill 12¼" hole to 2500'. Run and set 2500' of 9 5/8" 36# J-55 ST&T casing. Cement with 1000 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocels/Sx., circulate cement to surface.
4. Drill 8½" hole to 8100', if no lost circulation problems occur reduce hole size to 7 7/8" and drill to TD of 9800'±. Run 9800' of 5½" as follows: 2100' of 5½" 17# L-80 LT&C, 6700' of 17# J-55 LT&C, 1000' of 17# L-80 LT&C casing. Cement in three stages DV tools at 7000'±, and 4500'±. Cement with 1500 Sx. of Class "H" + additives &Class "C" + additives, top of cement estimated 2000' from surface.
5. If lost circulation does occur in the Devonian drill through the lost circulation zone and set 7" 29# J-55 LT&C casing at 8100'±. Set a DV tool at 5000' and cement with 1000 Sx. of Class "H" cement estimate top of cement 2000' from surface.
6. Drill out with a 6 1/8" bit to a total depth of 9800'. Run 2000' of 5" 18# N-80 liner from 9800' back to 7800'. Cement with 200 Sx of Class "H" Premium Plus cement + additives, bring cement back to top of liner.

C.E. LAMUNYON # 80

State of New Mexico

Energy, Minerals and Natural Resources Departm

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., Aztec, NM 87410

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

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-025-35624	58900	TEAGUE - SIMPSON

Property Code	Property Name	Well Number
~~14908~~ 14898	C. E. LAMUNYON	80

OGRID No.	Operator Name	Elevation
~~692~~ 962	ARCH PETROLEUM, INC.	3287'

Surface Location

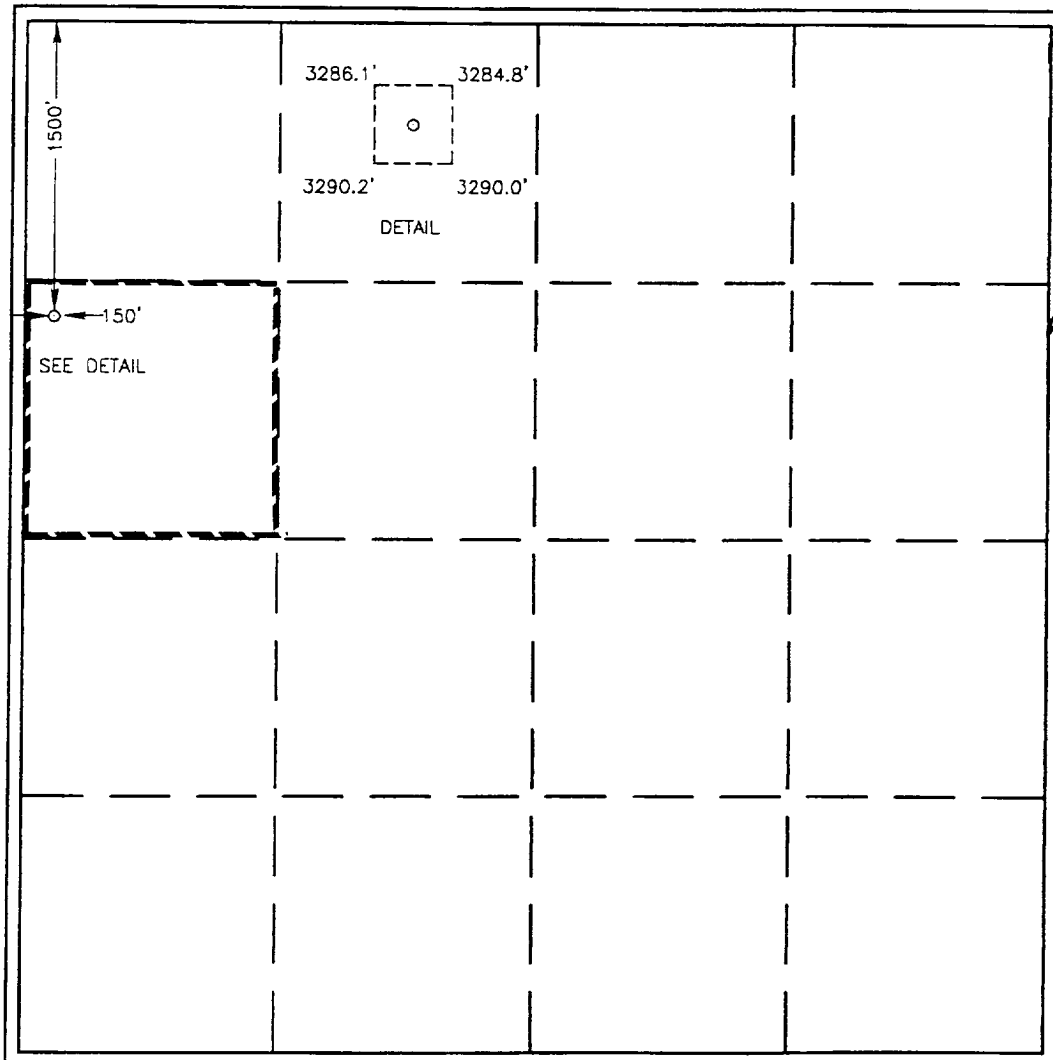
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	27	23-S	37-E		1500	NORTH	150	WEST	LEA

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	Joint or Infill	Consolidation Code	Order No.
40			

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

04/21/01
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 supervison, and that the same is true and correct to the best of my belief.

APRIL 17, 2001
Date Surveyed AWB

Signature & Seal of Professional Surveyor

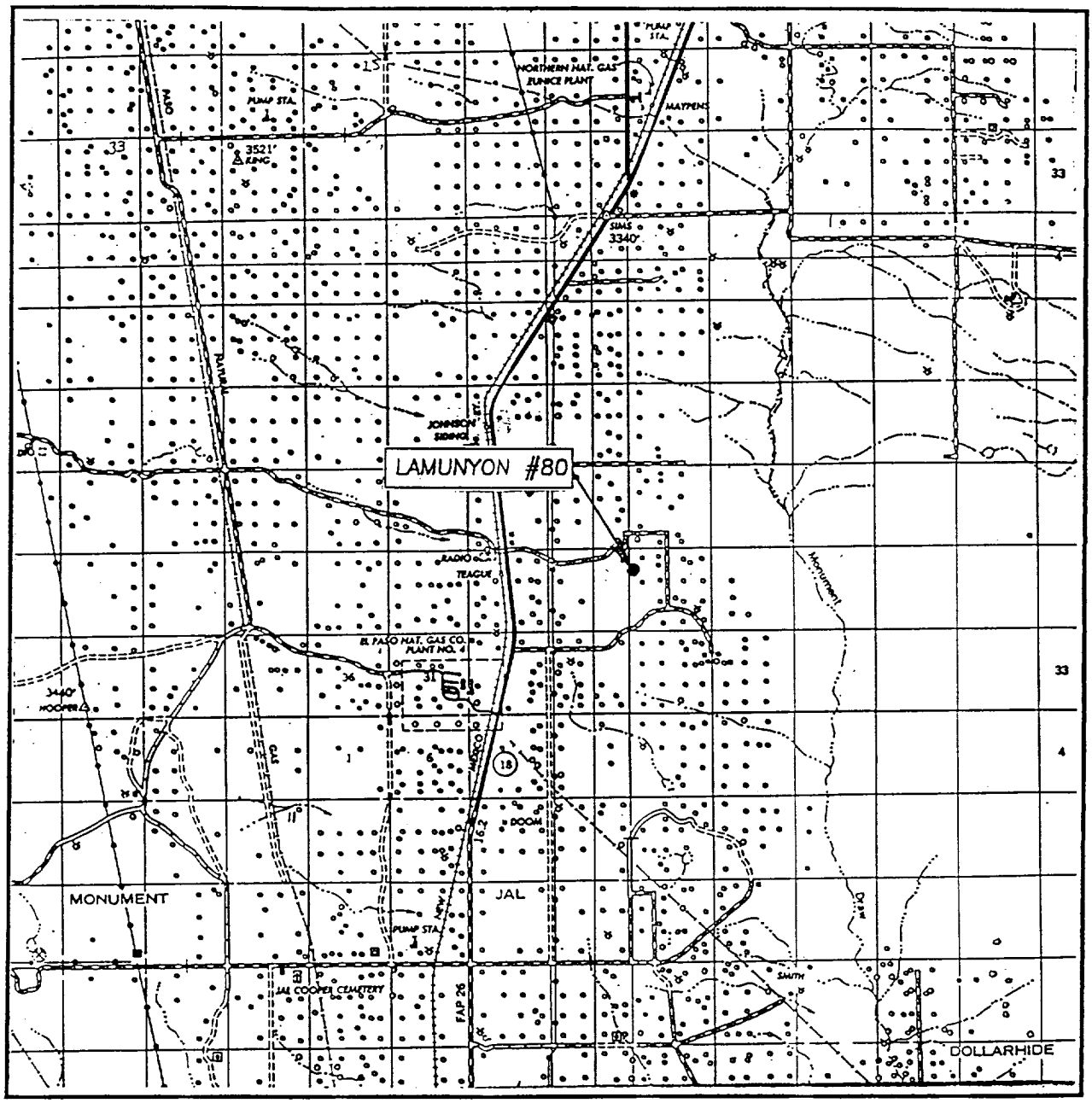
Ronald J. Eidson 4/18/01

01-11-0425

Certificate No. RONALD J. EIDSON 3239
GARY EIDSON 12641

EXHIBIT "A"

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 27 TWP. 23-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1500'FNL & 150'FWL

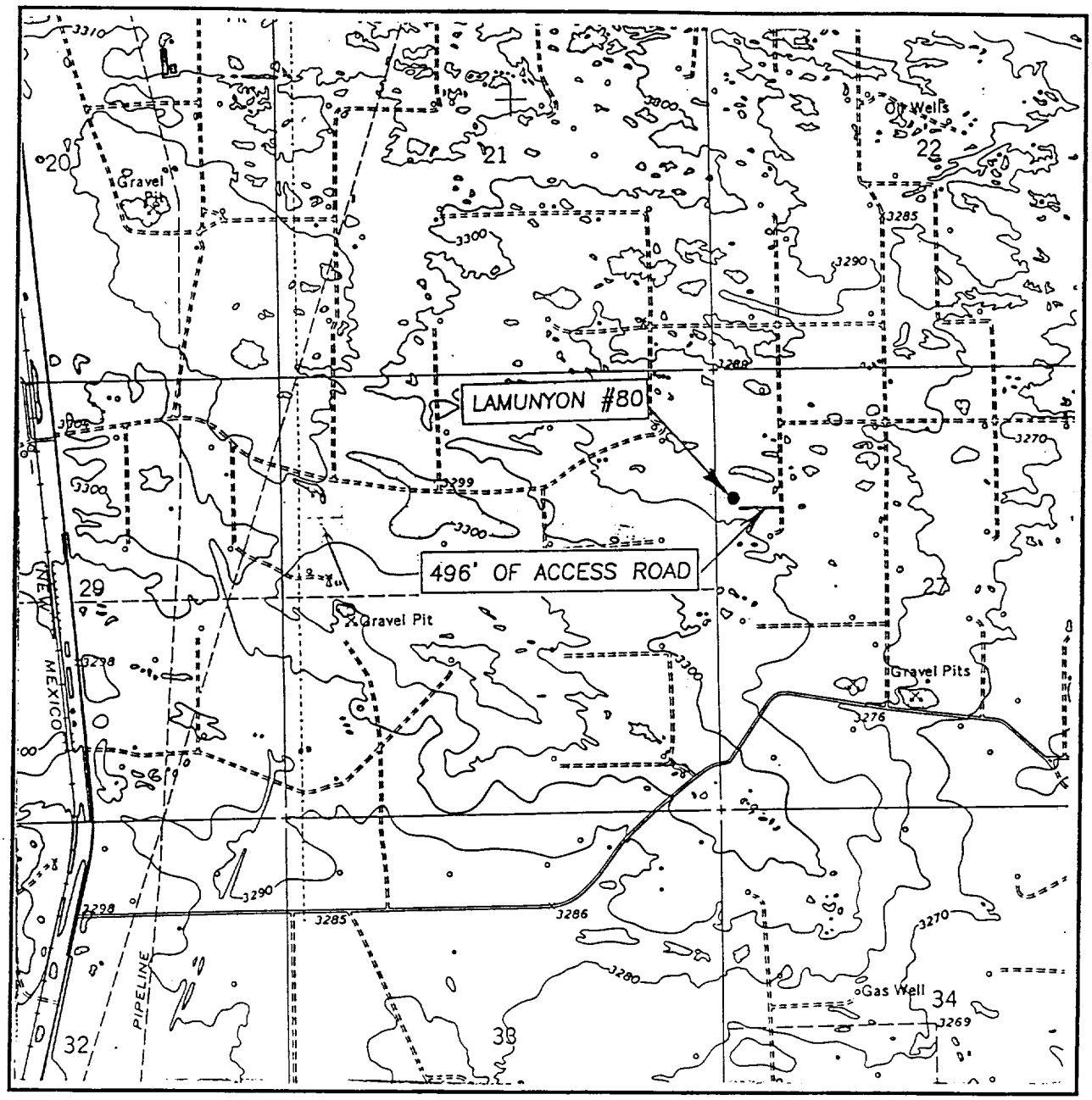
ELEVATION 3287'

OPERATOR ARCH PETROLEUM, INC.

LEASE LAMUNYON

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

LOCATION VERFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

RATTESNAKE CAYON, N.M.

SEC. 27 TWP. 23-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1500'FNL & 150'FWL

ELEVATION 3287'

OPERATOR ARCH PETROLEUM, INC.

LEASE LAMUNYON

U.S.G.S. TOPOGRAPHIC MAP
RATTESNAKE CAYON, N.M.

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

APPLICATION TO DRILL

ARCH PETROLEUM, INC.
C.E. LAMUNYON # 80
UNIT "E" SECTION 27
T23S-R37E 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: 1500' FNL & 150' FWL SEC. 27 T23S-R37E LEA CO. NM

2. Elevation above Sea Level: 3287' GR.

3. Geologic name of surface formation: Quaternery 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: 9800'

6. Estimated tops of geological markers:

Rustler Anhydrite	1122'	Blinebry	5288'
Queen	3245'	Drinkard	6244'
San Andres	3763'	Devonian	7328'
Glorieta	4925'	Simpson	8993'

7. Possible mineral bearing formations:

Yates 7 Rivers	Oil	Blinebry	Oil
Queen-Grayburg	Oil	Drinkard	Oil
San Andres	Oil	Simpson-McKee	Oil

8. Casing program:

	Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
	25"	0-40	20"	NA	NA	NA	Conductor
	17½"	0-1100'	13 3/8"	48	8-R	ST&C	H-40
	12¼"	0-2500'	9 5/8"	36	8-R	ST&C	J-55
*	8½"	0-8100'	7"	29	8-R	ST&C	J-55
	7 7/8"	0-9800'	5½"	17	8-R	LT&C	J-55 L-80
*	6 1/8"	7800-9800'	5"	18	8-R	ST&C	N-80

* If lost circulation occurs in Devonian

APPLICATION TO DRILL

ARCH PETROLEUM, INC.
C.E. LAMUNYON # 80
UNIT "E" SECTION 27
T23S-R37E LEA CO. NM

9. CEMENTING & SETTING DEPTH:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
13 3/8"	Surface	Set 1100' of 13 3/8" 48# H-40 ST&C casing. cement with 1000 Sx. of Class "C" cement, circulate cement to surface.
9 5/8"	Intermediate	Set 2500' of 9 5/8" 36# J-55 ST&C casing. Cement with 1000 Sx. of Class "C" cement, circulate cement to surface.
7"	2nd Intermediate	If lost circulation is encountered set 8100' of 7" 29# J-55 ST&C casing. Cement in two stages with 1000 Sx. of Class "H" cement, estimate top of cement 2000'.
5½"	Production	If no lost circulation problem is encountered in the Devonian drill to a Total Depth of 9800'. Set 9800' of 5½" 17# L-80 & J-55 LT&C casing. Cement in 3 stages with 1500 Sx. of Class "H" cement, estimate top of cement 2000'.

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E". A Series 900 3000 PSI working pressure B.O.P. consting of a double ram type preventor with a bag type annular preventor. The B.O.P. unit will be hydraulically operated. Exhibit "E-1". Choke manifold and closing unit. The B.O.P. will be nippled up on 13 3/8" casing and will be operated at least once each 24 hour period while drilling and blind rams will be operated when out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. No abnormal pressure or temperature is expected while drilling.

11. PROPOSED MUD CIRCULATING SYSTEM:

Depth	Mud Wt.	Visc.	Fluid Loss	Type Mud System
40-1100'	8.4-8.7	29-34	NC	Fresh water Spud Mud add paper to control seepage.
1100-2500'	10-10.3	29-36	NC	Brine water add paper to control seepage & high viscosity sweeps to clean hole.
2500-9800'	8.4-8.6	29-38	NC	Fresh water add paper to control seepage and high viscosity sweeps to clean hole. If necessary use polymer to reduce water loss to condition hole for logging and running casing.

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 the viscosity and/or water loss may have to be adjusted to meet these needs.

12. TESTING, LOGGING, & COREING PROGRAM:

A. Open hole logs: Dual Induction, CNL LDT, Gamma Ray Caliper from TD back to 2500'

B. Run Gamma Ray, Neutron from 2500' back to surface.

C. Place mud logger on hole at 2500' and keep on hole till TD.

D. No cores or DST's are planned at this time.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H_2S detectors will be in place to detect any presence of unsafe levels of H_2S. 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 4500 PSI & estimated BHT 165°.

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 30 days. If production casing is run an additional 30 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 Simpson-McKee 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_2S safety instructor to the following:

   A. Characteristics of H_2S
   B. Physical effects and hazzards
   C. Proper use of safety equipment and life support systems.
   D. Principle and operation of H_2S 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_2S Detection and Alarm Systems

   A. H_2S detectors and audio alarm system to be located at bell nipple, end of blooie 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, H_2S present in dangerous concentration. Only emergency personnel admitted to location.

5. Well control equipment

   A. See exhibit "E"

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_2S has on tubular goods and other mechanical equipment.

9. If H_2S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas seperator will be brought into service along with H_2S scavengers if necessary.

SURFACE USE PLAN

ARCH PETROLEUM, INC.
C.E. LAMUNYON # 80
UNIT "E" SECTION 27
T23S-R37E LEA CO. NM

1. EXISTING ROADS: Area maps, Exhibit "B" is a reproduction of a County General Highway Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing existing roads 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 junction of State Hi-way 18 and State Hi-way 176 two miles East of Eunice New Mexico go South 13 miles to Milepost 19, turn East go 1 mile bear Northeast for .75 miles bear right go .25 miles turn North go .6 miles turn West go .25 miles turn South go 850' turn West go 750' to location.

   C. Lay necessary pipelines and construct powerlines along existing roads and/or R-O-W's that will be necessary to produce this lease.

2. PLANNED ACCESS ROADS: Approximately 750' of new road will be constructed.

   A. The access road will be crowned and ditched to a 12'00" wide travel surface with a 40' right-of-way.

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

   C. No turnouts will be necessary.

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

   E. Centerline for the new access road has been flagged. Earthwork will be as required by field conditions.

   F. Culverts in the access road will not be used. The road will be constructed to utilize low water crossings for drainage as required by the Topography.

3. LOCATION 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"

4. If on completion this well is a producer Arch Petroleum, Inc. will furnish Maps and/or plats showing on location surface facilities. If facilities are required off location this will be accompanied with a Sundry Report.

5. LOCATION AND TYPE OF WATER SUPPLY:

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

6. SOURCE OF CONSTRUCTION MATERIAL:

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

7. METHODS OF HANDLING WASTE MATERIAL:

A. Drill cuttings will be disposed of in the reserve pit.

B. All trash, junk and other waste material will be contained in trash cages or 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 supplier including broken sacks.

D. Sewage from living quaters will drain into holes with a minium depth of 10'. These holes will be covered during drilling and will be back filled upon completion. A Porta-John will be provided for the rig crews. This equipment will be properly maintained during the drilling operations and removed upon completion of the well.

E. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for breaking out. In the event that drilling fluids do not evaporate in a reasonable time they will be hauled off by transports and be disposed of at a state approved disposal facility. Later pits will be broken out to speed drying. Water produced during testing will be put in reserve pits. Any oil or condensate produced will be stored in test tanks until sold and hauled from the site.

8. ANCILLARY FACILITIES:

A. No camps or airstrips to be constructed.

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 entend a minimum of 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.

11. Other Information:

A. Topography as shown on the topographic map shows a very slight dip to the West. Soil is loose sand and the vegetation consists of native grasses Yucca, and occasional Shinnery Oak.

B. The surface is owned by D. K. Boyd of Midland Texas, and the minerals are owned by the U.S. Department of Interior and are administered by the Bureau of Land Management.

C. An archaeological survey will be conducted on the poroposed roads and location, this report will be submitted to the Bureau of Land Management Carlsbad Field Office when it is completed.

D. There are no dwellings within one mile of this location.

12. Operator's Representative:

Field representative for contact regarding compliance with the surface use plan is:

Before Construction.

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

After and during construction.

ARCH PETROLEUM, INC.
P.O. BOX 10340
MIDLAND, TEXAS 79702-7340
OFFICE PHONE 915-685-8100
Mr. RICHARD WRIGHT 915-685-8140

13. Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site and access route, and that I an familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, true and correct. The work associated with the operations proposed herein will be performed by Arch Petroleum, Inc. it's contractors / sub-contractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of 18 U.S.C. 1001 for the filing of a false statement.

NAME : Joe T. Janica Joe T Janica

DATE : 04/21/01

TITLE : Agent

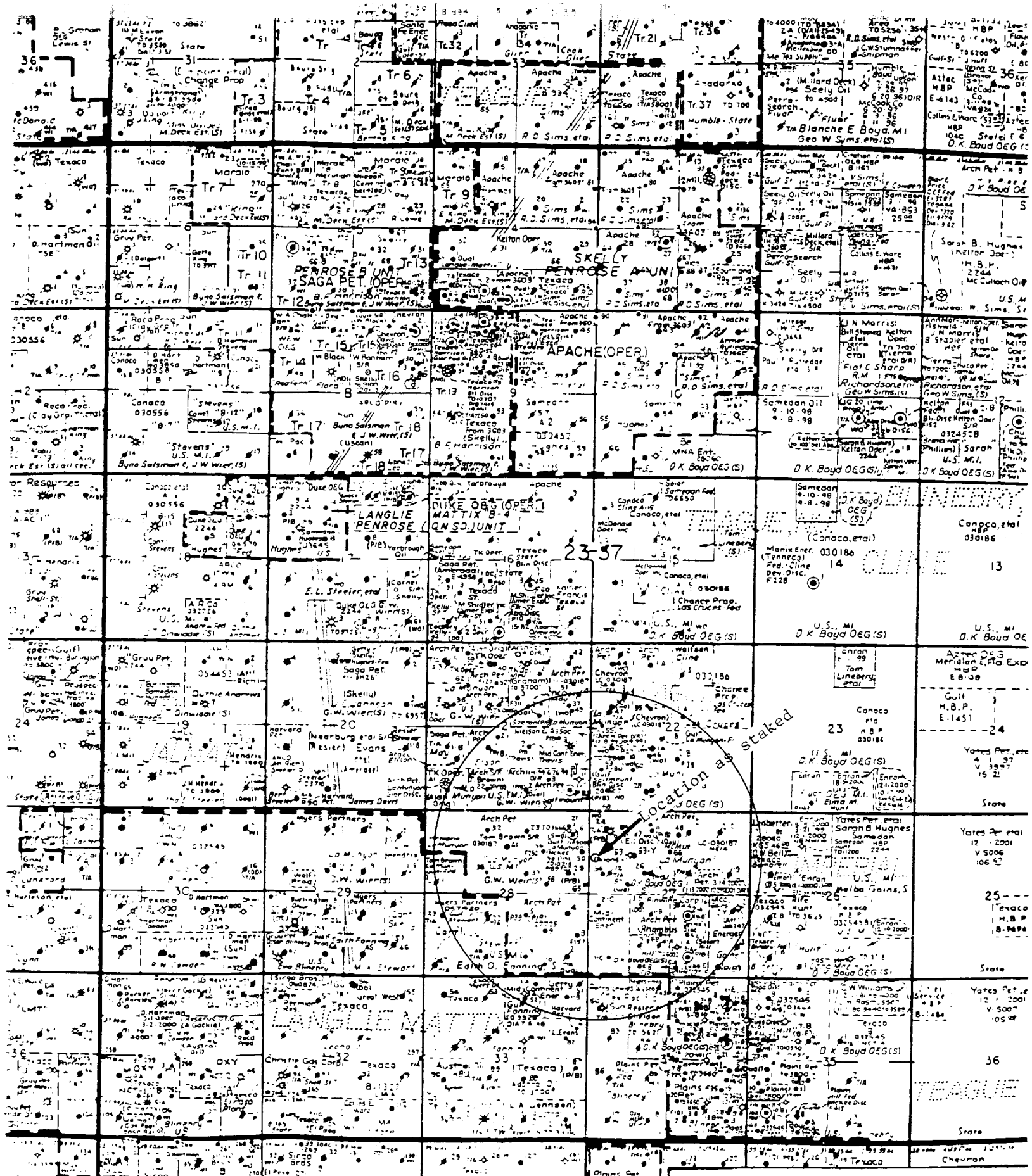


EXHIBIT "A-1"
ONE MILE RADIUS MAP

ARCH PETROLEUM, INC.
C.E. LAMUNYON # 80
UNIT "E" SECTION 27
T23S-R37E LEA CO. NM

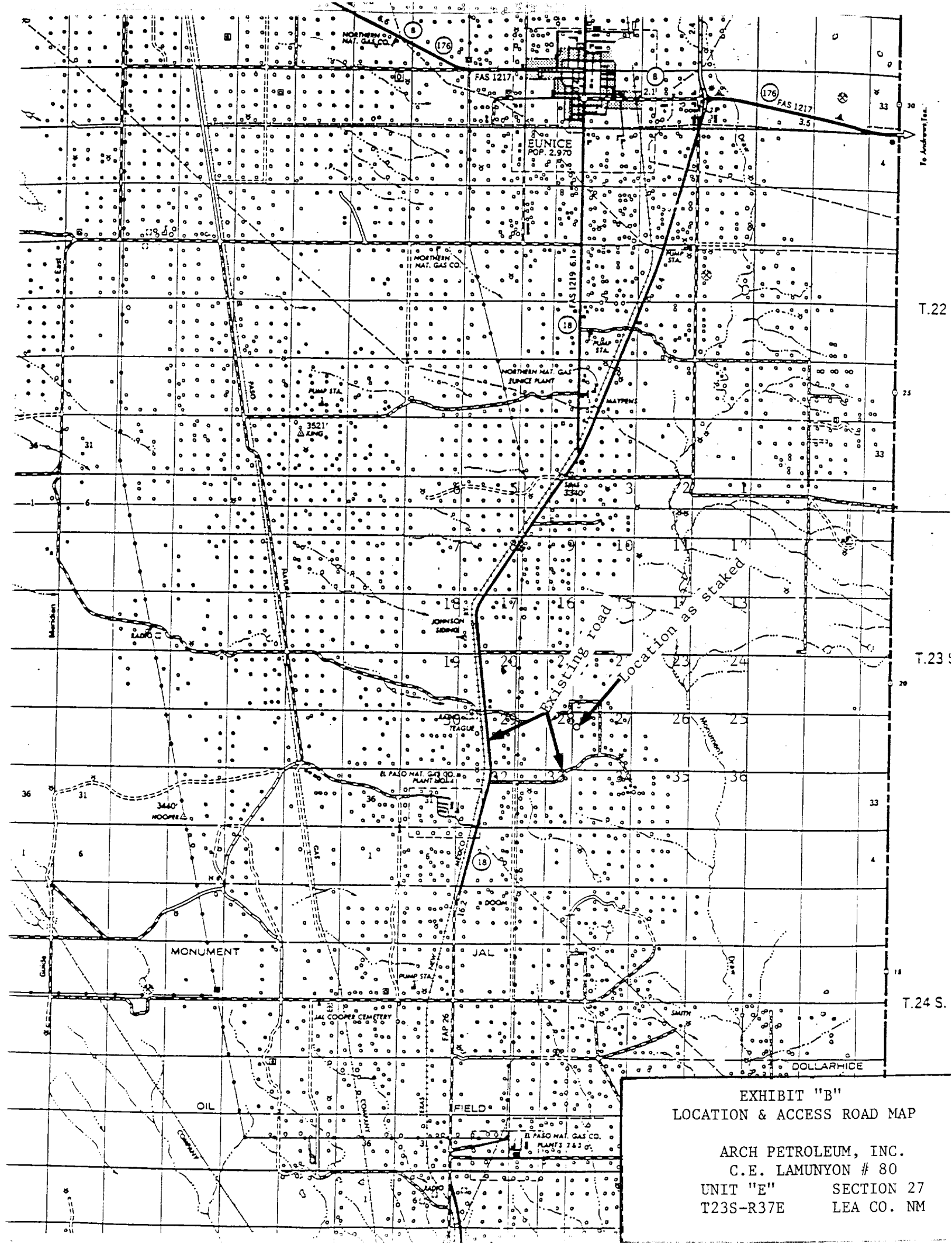


EXHIBIT "B"
LOCATION & ACCESS ROAD MAP

ARCH PETROLEUM, INC.
C.E. LAMUNYON # 80
UNIT "E" SECTION 27
T23S-R37E LEA CO. NM

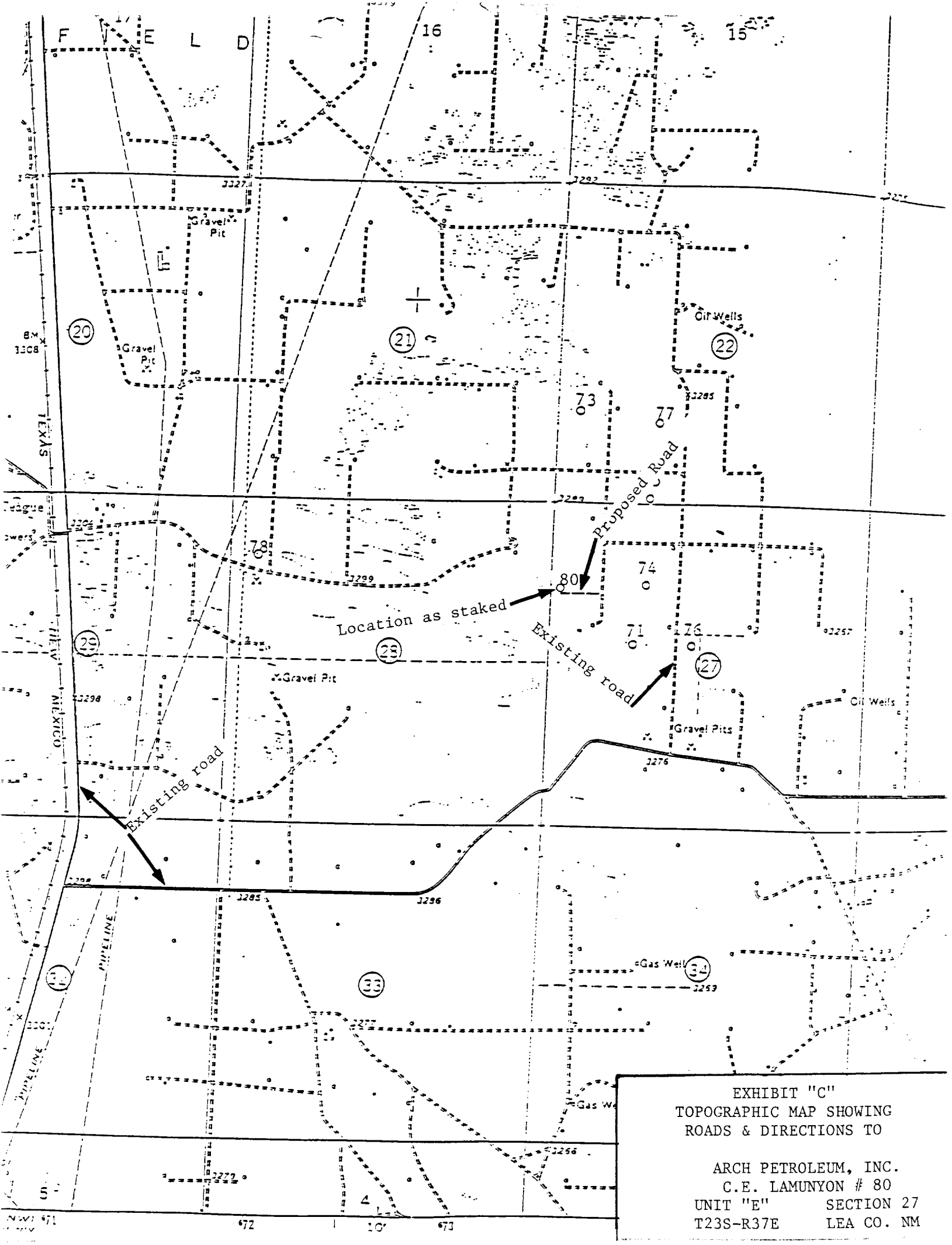
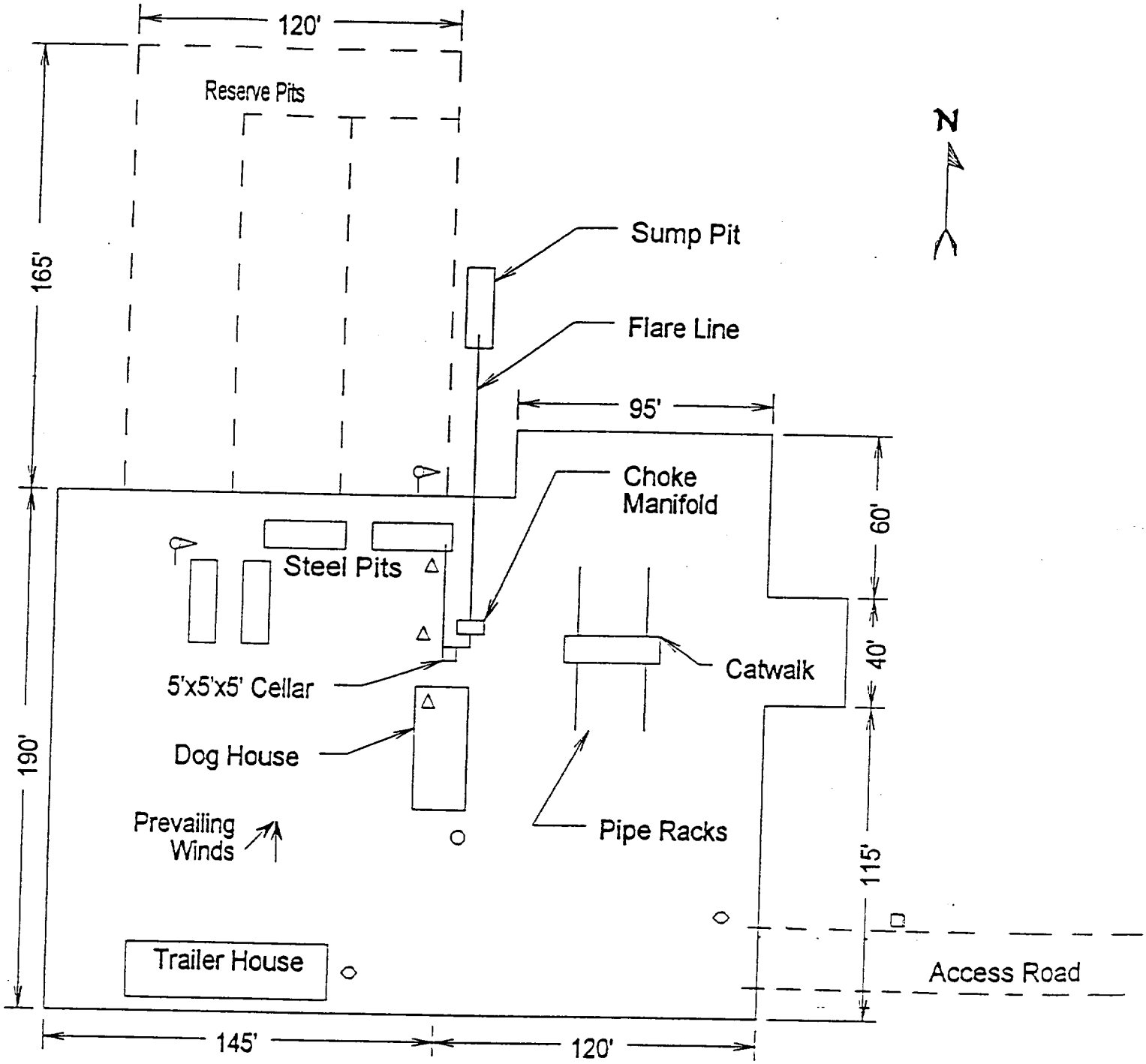


EXHIBIT "C"
TOPOGRAPHIC MAP SHOWING
ROADS & DIRECTIONS TO

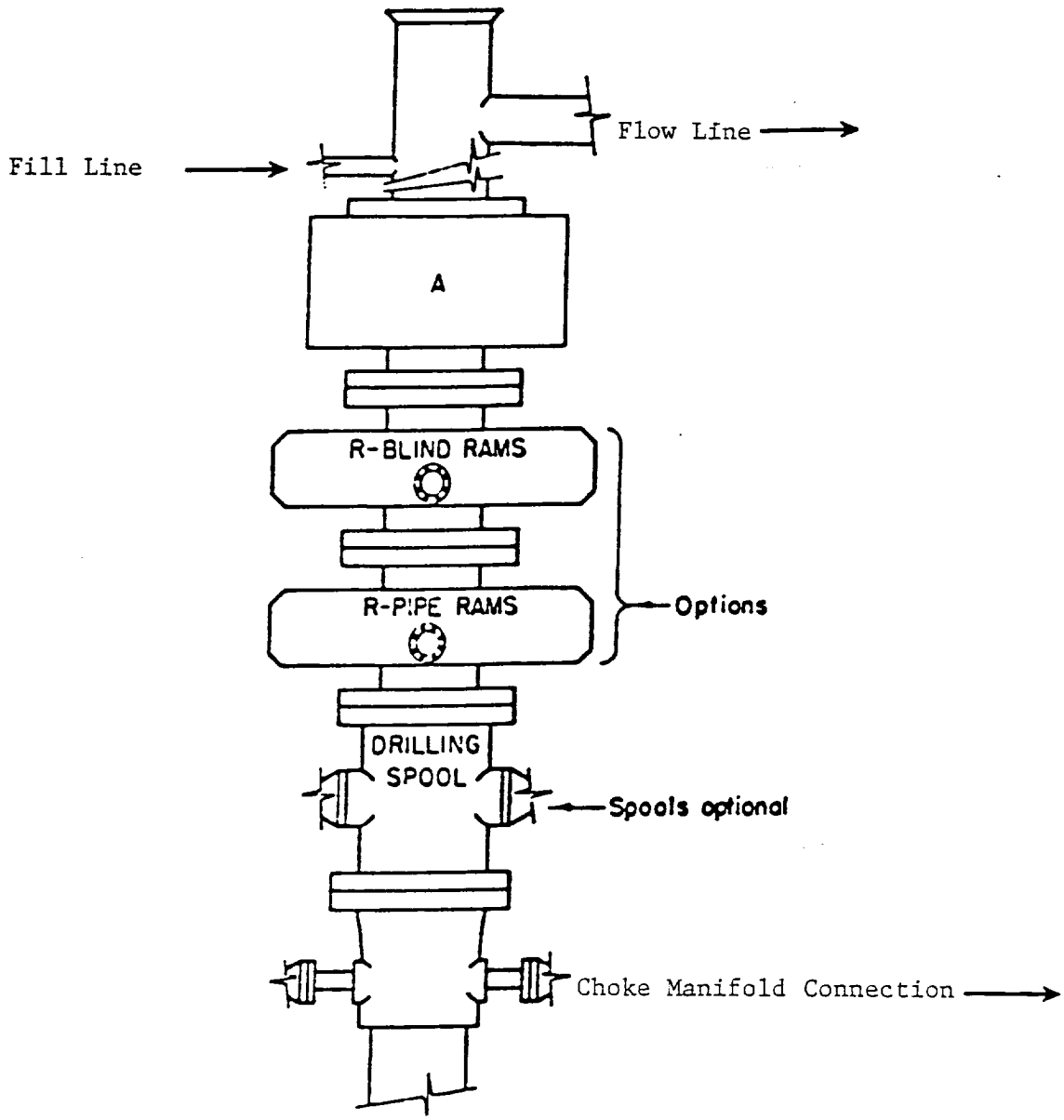
ARCH PETROLEUM, INC.
C.E. LAMUNYON # 80
UNIT "E" SECTION 27
T23S-R37E LEA CO. NM



- 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

ARCH PETROLEUM, INC.
C.E. LAMUNYON # 80
UNIT "E" SECTION 27
T23S-R37E LEA CO. NM



ARRANGEMENT SRRA

1500 Series
5000 PSI WP

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

ARCH PETROLEUM, INC.
C.E. LAMUNYON # 80
UNIT "E" SECTION 27
T23S-R37E LEA CO. NM

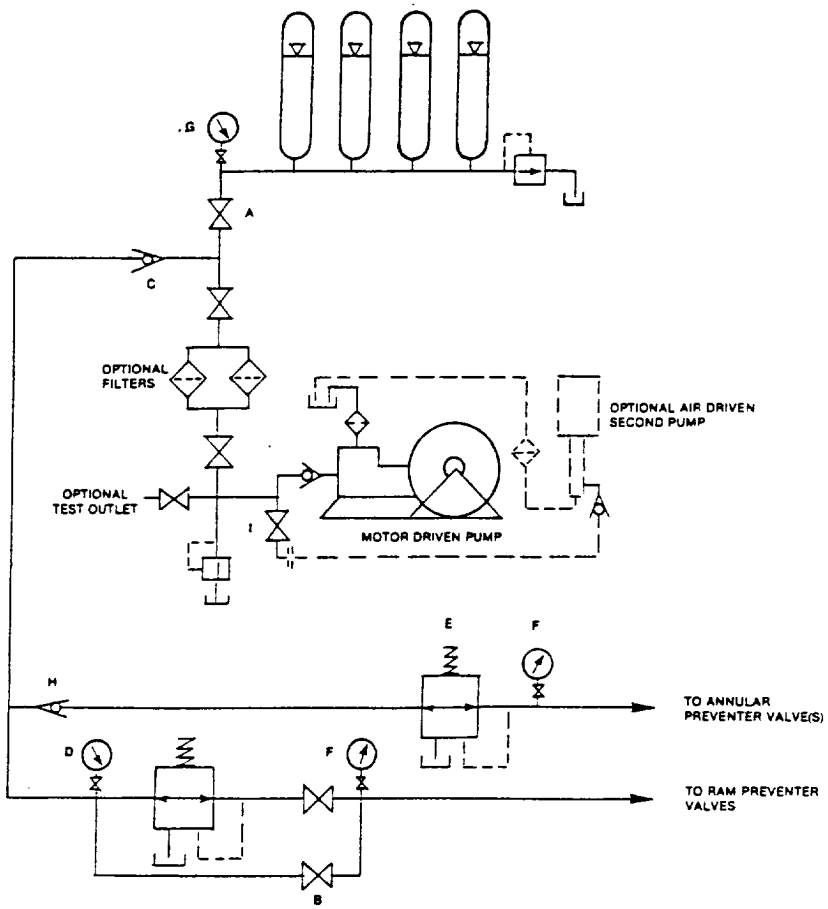


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

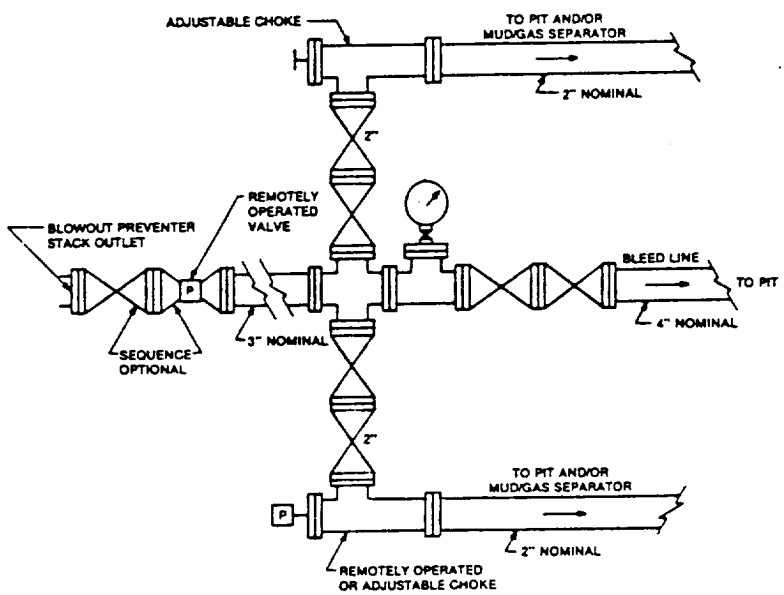


FIGURE K4-2. Typical choke manifold assembly for 5M rated working pressure service — surface installation.

EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

ARCH PETROLEUM, INC.
C.E. LAMUNYON # 80
UNIT "E" SECTION 27
T23S-R37E LEA CO. NM

ARCH PETROLEUM, INC.
C. E. LAMUNYON NO. 80 WELL
1,500' FNL & 150' FWL (Unit Letter E)
SECTION 27, T-23-S, R-37-E, N.M.P.M.
LEA COUNTY, NEW MEXICO
FEDERAL LEASE NO. LC-030186

STATEMENT OF SURFACE USE

The surface to the subject land is owned by D. K. Boyd Land & Cattle Company. The surface owner has been contacted regarding the drilling of the subject well, and an agreement for surface use has been negotiated.

CERTIFICATION: I hereby certify that the statements made in this statement are to the best of my knowledge, true and correct.

Thomas R. Land

Name: Thomas R. Land, C. P. L.
Date: April 25, 2001
Title: Consulting Landman