

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                                                                                              |                |                                                        |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------|---------------|
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>                                                                             |                | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM 13999 - N.M. |               |
| b. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                   |               |
| 2. NAME OF OPERATOR<br>El Ran, Inc.                                                                                                                                                                          |                | 7. UNIT AGREEMENT NAME                                 |               |
| 3. ADDRESS OF OPERATOR<br>1603 Broadway, Lubbock, Texas 79401                                                                                                                                                |                | 8. FARM OR LEASE NAME<br>Phillips Federal              |               |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface 1980 FSL & 330 FEL<br>At proposed prod. zone Same                                                |                | 9. WELL NO.<br>#1                                      |               |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>22 Miles SE of Elida, New Mexico                                                                                                    |                | 10. FIELD AND POOL, OR WILDCAT<br>Chavero SA           |               |
| 15. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.<br>330' FEL                                                                                     |                | 11. Undesignated AND SURVEY OR AREA                    |               |
| 16. NO. OF ACRES IN LEASE<br>320                                                                                                                                                                             |                | 12. COUNTY OR PARISH<br>Sec. 13, T8S, R32E             |               |
| 17. PROPOSED DEPTH<br>4400'                                                                                                                                                                                  |                | 13. STATE<br>New Mexico                                |               |
| 18. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>None                                                                                                                                                       |                | 19. ROTARY OR CABLE TOOLS<br>Rotary                    |               |
| 20. APPROX. DATE WORK WILL START*<br>May 31, 1979                                                                                                                                                            |                | 21. APPROX. DATE WORK WILL START*                      |               |
| 23. PROPOSED CASING AND CEMENTING PROGRAM                                                                                                                                                                    |                |                                                        |               |
| SIZE OF HOLE                                                                                                                                                                                                 | SIZE OF CASING | WEIGHT PER FOOT                                        | SETTING DEPTH |
| 12 7/8                                                                                                                                                                                                       | 8 5/8          | 24#                                                    | 1700'         |
| 7 7/8                                                                                                                                                                                                        | 4 1/2          | 10.5                                                   | 4400'         |
| QUANTITY OF CEMENT                                                                                                                                                                                           |                |                                                        |               |
| Sufficient to Circulate to surface- 600 sacks.                                                                                                                                                               |                |                                                        | 175 Sacks     |

Mud program: 10# Mud, 35 Viscosity from 4000' to T.D.  
BOP Program: See Exhibits C, D, and E.

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HOBBS, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Robert R. Ranck TITLE Vice-PresidentDATE 4-12-79

(This space for Federal or State office use)

PERMIT NO. 13999-1 APPROVAL DATE 4-12-79APPROVED BY James Y. Lins  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED  
AS AMENDED  
DATE MAY 1 1979James Y. Lins  
DISTRICT ENGINEER

\*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GPO 782-593

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1429

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

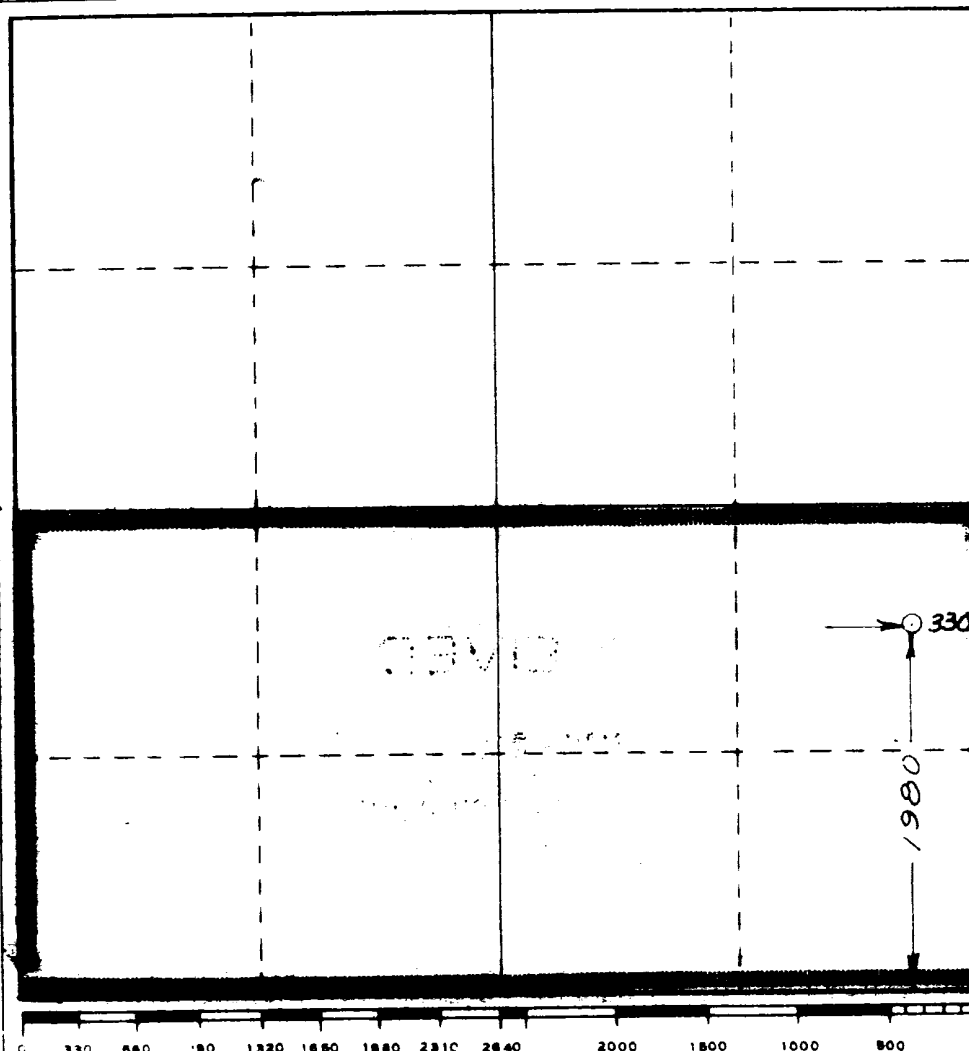
|                                     |                                          |                            |                                  |                                        |  |                           |                                       |      |
|-------------------------------------|------------------------------------------|----------------------------|----------------------------------|----------------------------------------|--|---------------------------|---------------------------------------|------|
| Operator<br><b>El Ran Inc.</b>      |                                          |                            | Lease<br><b>Phillips Federal</b> |                                        |  | Well No.<br><b>1</b>      |                                       |      |
| North letter<br><b>"I"</b>          | Section<br><b>13</b>                     | Township<br><b>8 South</b> | Range<br><b>32 East</b>          | County<br><b>Chaves</b>                |  |                           |                                       |      |
| Actual Frontage Location of Well:   |                                          |                            |                                  |                                        |  |                           |                                       |      |
| <b>1980</b>                         |                                          | feet from the <b>South</b> |                                  | line and <b>330</b>                    |  | feet from the <b>East</b> |                                       | line |
| Ground Level Elev.<br><b>4429.5</b> | Producing Formation<br><b>San Andres</b> |                            |                                  | Pool<br><b>Chaveroo (Undesignated)</b> |  |                           | Dedicated Acreage:<br><b>40</b> Acres |      |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation **Federal Minerals**

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

W. W. Ranck

Name

Position

President

Company

El Ran, Inc.

Date

April 18, 1979

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 knowledge and belief.

Date Survey

Required Professional Engineer and/or Land Surveyor

L. JONES

3640

Certified

STATE OF NEW MEXICO  
APR 15 1979  
REGISTERED LAND SURVEYOR

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**OIL CONSERVATION COMM.  
HOBBS, N. M.**

## APPLICATION FOR DRILLING

El Ran, Inc.  
Phillips Federal #1  
Section 13, T8S, R32E  
Chaves County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, El Ran, Inc. submits the following ten items of pertinent information:

1. The geologic surface formation is the Ogallala formation.
2. The estimated tops of geologic markers are as follows:

|            |       |
|------------|-------|
| Yates      | 2410' |
| San Andres | 3458' |
3. The depths at which anticipated water, oil or gas formations are expected to be encountered:

|             |                                                                                       |
|-------------|---------------------------------------------------------------------------------------|
| Water:      | No data available. Probably from Triassic formation at approximately 500 to 600 feet. |
| Oil or Gas: | San Andres at approximately 3458 to 4325 feet.                                        |
4. Proposed casing program: See Form 9-331C.
5. Pressure control equipment: See Exhibits C, D, and E.
6. Mud program: See Form 9-331C.
7. Auxiliary equipment: See Exhibit D.
8. Testing, logging and coring programs: None.
9. No abnormal temperatures or pressures are anticipated.
10. Anticipated starting date: As soon as possible.  
Anticipated completion of drilling operations: Approximately 7 days after starting date.

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# MULTI-POINT SURFACE USE AND OPERATION PLAN

El Ran, Inc.  
Phillips Federal #1  
1980 FSL & 330 FEL  
Section 13, T8S, R32E  
Chaves County, New Mexico  
(Development Well)

This plan is submitted with Form 9-331C, 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 necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effects associated with the operation.

## 1. EXISTING ROADS.

- A. Exhibit A-1 is a portion of a Highway Map, showing the area surrounding the proposed wellsite on a scale of 1 inch to 7 miles. The proposed location is situated at a driving distance of approximately 24 miles (excluding the proposed new access road) southeast of Elida, New Mexico, and the existing roads leading to the wellsite are indicated in red in Exhibit A.
  - (1) Proceed south from Elida on Highway 114 for approximately 0.6 miles. At this point, take the right fork onto Highway 440.
  - (2) Continue in a southward direction for an additional 26.5 miles. The road surface will change from blacktop to a dirt surface about 14.5 miles from Elida. You will come to a country road after 26.5 miles. At this point you will turn to an easterly direction for approximately 2.5 miles.
  - (3) At this point, you will turn north on a lease road for approximately 1 mile. You will reach the Phillips 2-N well at this point, and will turn west. The new access road to the proposed location will originate from the southwestern corner of the well pad of Phillips 2-N.

## 2. PLANNED ACCESS ROAD.

- A. The proposed new access road will be constructed in an east to west direction, from the southwestern corner of the drill pad at Phillips 2-N, to the southeastern corner of the drill pad at the proposed location. See Exhibit A.
- B. The route of the proposed road passes over a relatively level area and only very minor leveling will be required.
- C. The length of the proposed road will be approximately 2120 feet. It will have a driving surface width of 12 feet and the surface will be topped with six inches of compacted caliche. The center of the road will be crowned, with drainage on both sides.

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- D. No turnouts will be required, and no fences, cattlequards, or culverts are involved.
- E. The starting point of the new road is clearly marked with surveyor's ribbons, and the route of the road is staked and flagged.
- F. The route is on fee surface owned by Davis Brothers Ranch. An agreement with the Davis Brothers has been reached on both the access road and the drillsite.

3. LOCATION OF EXISTING WELLS.

- A. Existing wells within a one-mile radius are shown on Exhibit B.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES.

- A. There are no production facilities on this lease at the present time.
- B. In the event that the well is productive of oil, a tank battery and heater will be installed on the well pad. Electric power for production is available from a north-south high line about 2200' feet east of the proposed location.

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 privately owned or commercial sources and will be hauled to the location by truck over the existing and proposed roads described in Paragraphs 1 and 2, above.

6. SOURCE OF CONSTRUCTION MATERIALS.

- A. Caliche required for road and drilling pad surfaces will be obtained from a privately owned pit approximately 2/3 of a mile east of the proposed drillsite.

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. All pits will be fenced with normal fencing material to prevent the entry of livestock into the pits.

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- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or a separate disposal application will be submitted to the USGS for approval.
- E. Oil produced during operations will be stored in tanks until sold.
- F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- G. Trash, waste paper, garbage and junk will be buried in a separate pit and covered with a minimum of 24 inches of dirt. All waste materials will be contained to prevent scattering by the wind.
- H. All trash and debris will be buried or removed from the wellsite within 90 days after drilling and/or completion operations have been finished.

8. ANCILLARY FACILITIES.

- A. None required.

9. WELLSITE LAYOUT.

- A. Exhibit C shows the relative location and dimensions of the well pad and reserve pits.
- B. The ground surface at the wellsite is comparatively flat, and very little cut or fill will be required to construct either the drilling pad or the reserve pits. The drilling surface will be covered with six inches of compacted caliche.
- C. The pad and pit area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE.

- A. After drilling and/or completion operations have been finished, all equipment and other material not needed for further operations will be removed. Pits will be filled and the location cleaned of all trash and junk, so as to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they have been filled.
- C. If the proposed well is non-productive, all applicable rehabilitation and/or vegetation requirements of the BLM, and Davis Bros. Ranch will be complied with, and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11. OTHER INFORMATION.

- A. The proposed wellsite is located in an essentially level area. The proposed new access road crosses a generally level area, also, with only minor surface anomalies.
- B. The topsoil at the wellsite consists of moderately soft sand.
- C. Flora and Fauna: The vegetation cover at the proposed location is moderately sparse, consisting of miscellaneous weeds and grass, bear grass yucca, and a few cactus plants. No wildlife was observed, but it is likely that typical semi-arid desert wildlife inhabit the area, which is used for cattle grazing.
- D. There are no ponds, lakes, or flowing streams or rivers in the vicinity of the wellsite.
- E. There are no occupied dwellings within several miles of the wellsite. The nearest windmill is about a half-mile west of the location.
- F. Surface Ownership: Wellsite is on fee surface. Approximately 2200' of new road will be on fee surface.
- G. There is no evidence of any significant archaeological, historical or cultural sites in the area of the proposed location. An archaeological survey has been conducted by the Agency for Conservation Archaeology, Eastern New Mexico University, Portales, New Mexico, and their report has been distributed to the appropriate government agencies.

12. OPERATOR'S REPRESENTATIVES.

- A. The field representatives of the operator responsible for assuring compliance with the approved surface use plan are:

W. W. Ranck  
El Ran, Inc.  
1603 Broadway  
Lubbock, Texas 79401  
Telephone: 806 763-4091

Robert R. Ranck  
El Ran, Inc.  
1603 Broadway  
Lubbock, Texas 79401  
Telephone: 806 763-4091

13. CERTIFICATION.

See attachment on next page.

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CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 El Ran, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

2-18-79  
Date

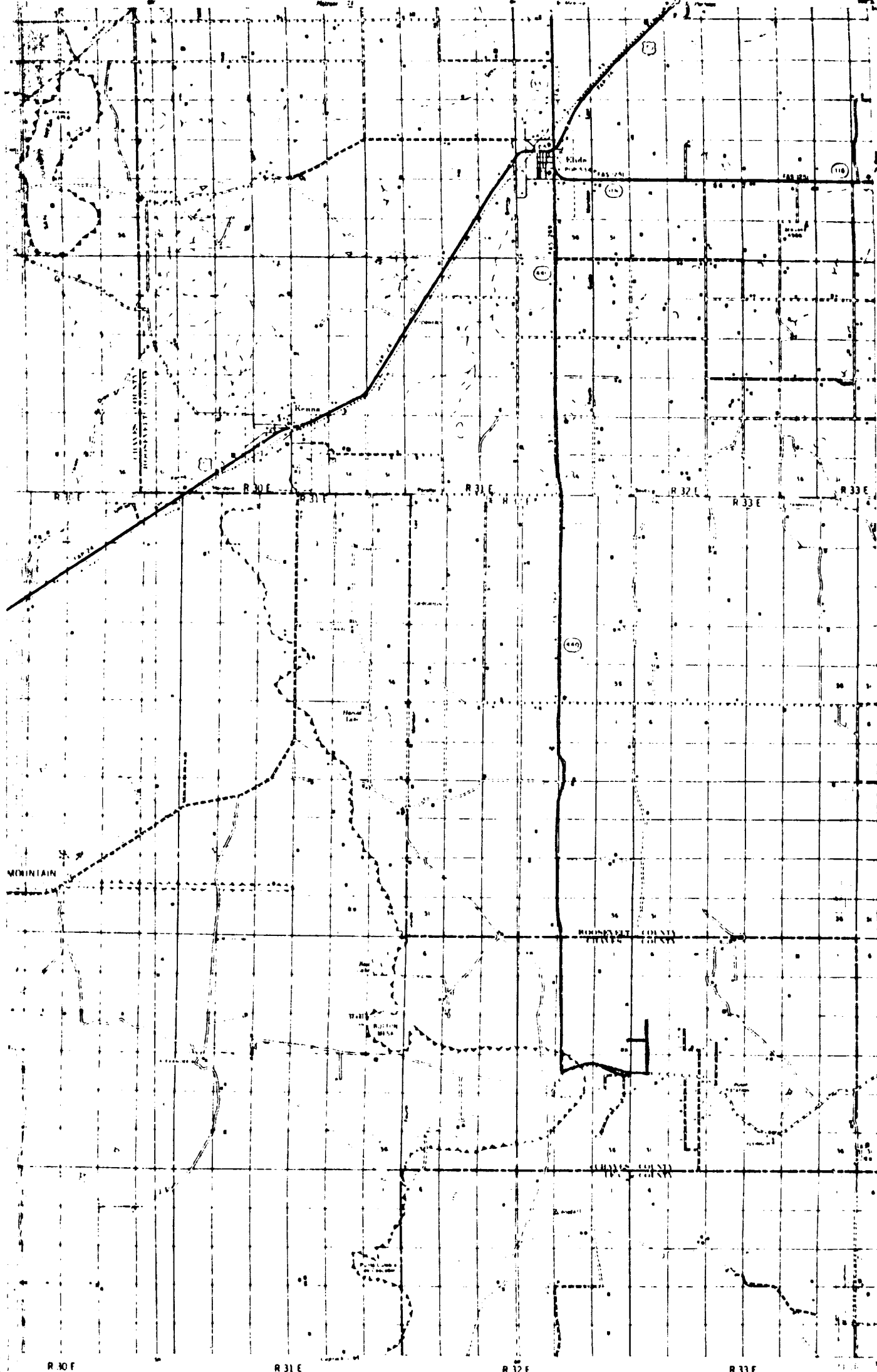
Robert R. Ranck  
Robert R. Ranck

Vice-President of El Ran, Inc.

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R 29 E

R 30 E

R 31 E

R 32 E

ELIDA  
QUADRANGLE  
83

Existing Road —  
Proposed Road - - -

EXHIBIT A-1  
El Ran, Inc. - Sec 13-T8S-R32  
Phillips Federal #1  
Chaves County, New Mexico

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ROOSEVELT CO.

CHAVES CO.

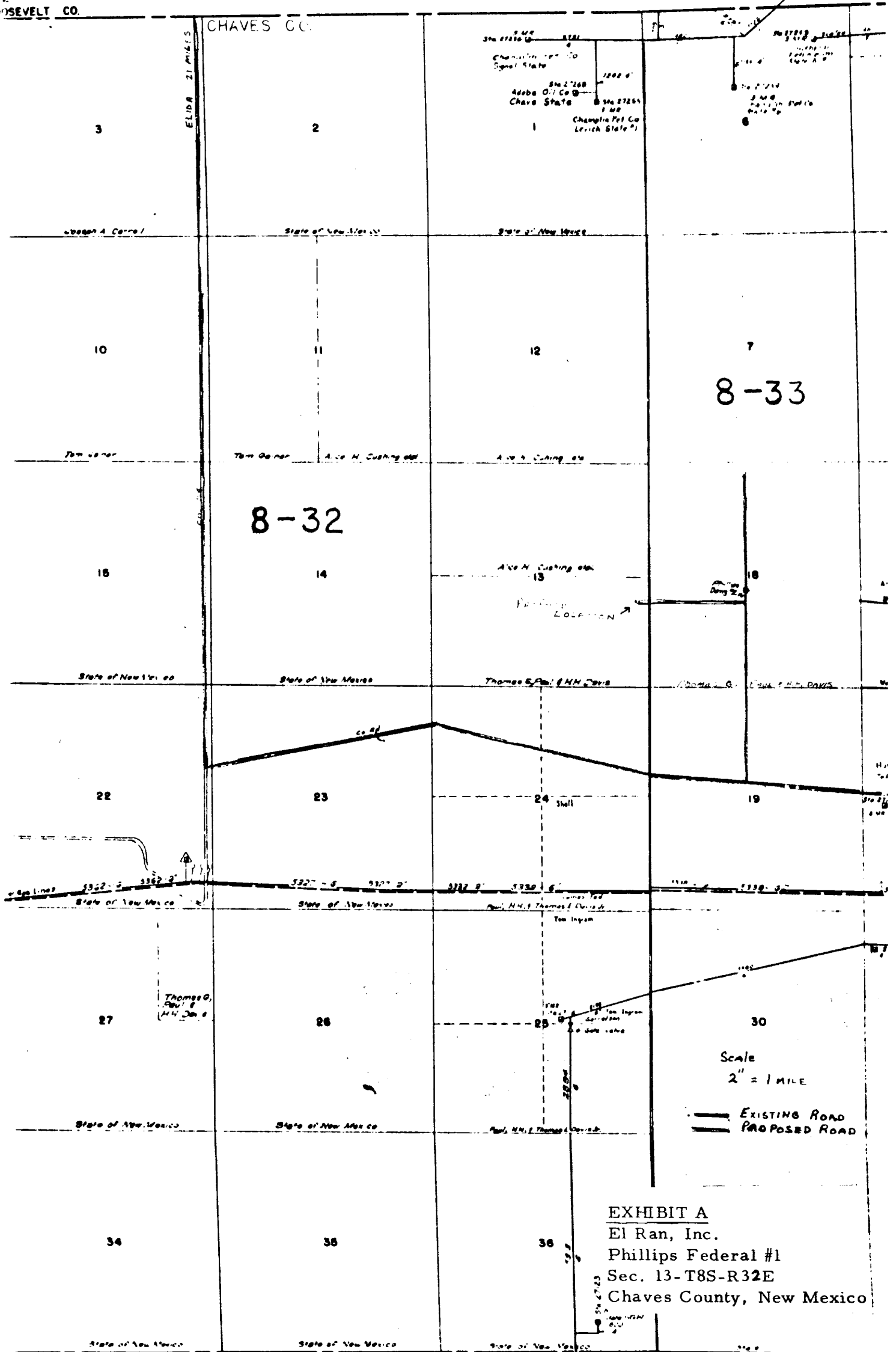


EXHIBIT A  
El Ran, Inc.  
Phillips Federal #1  
Sec. 13-T8S-R32E  
Chaves County, New Mexico

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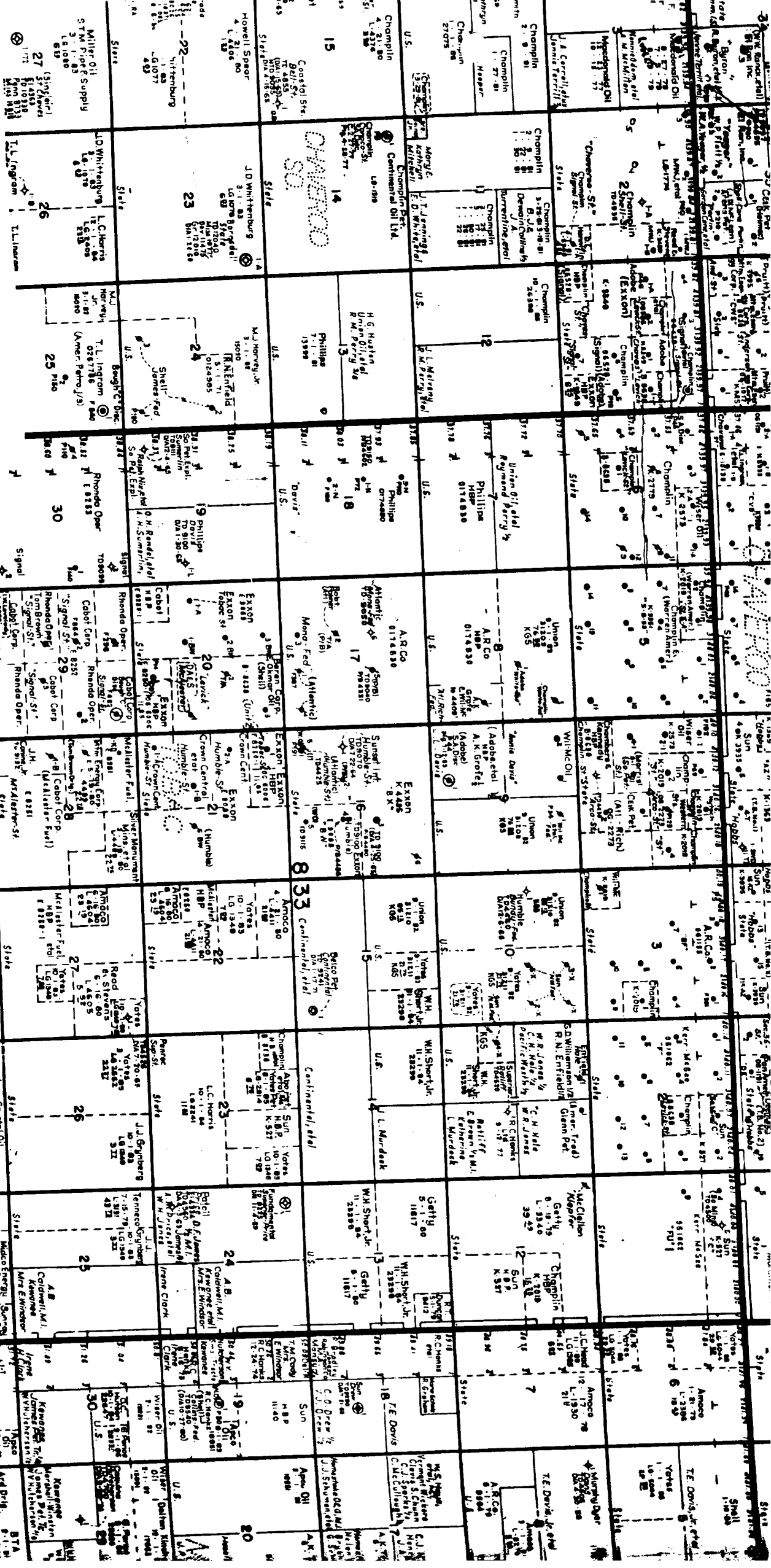


EXHIBIT B

El Ran, Inc.

Phillips Federal #1

Sec. 13-T8S-R32E

Chaves County, New Mexico

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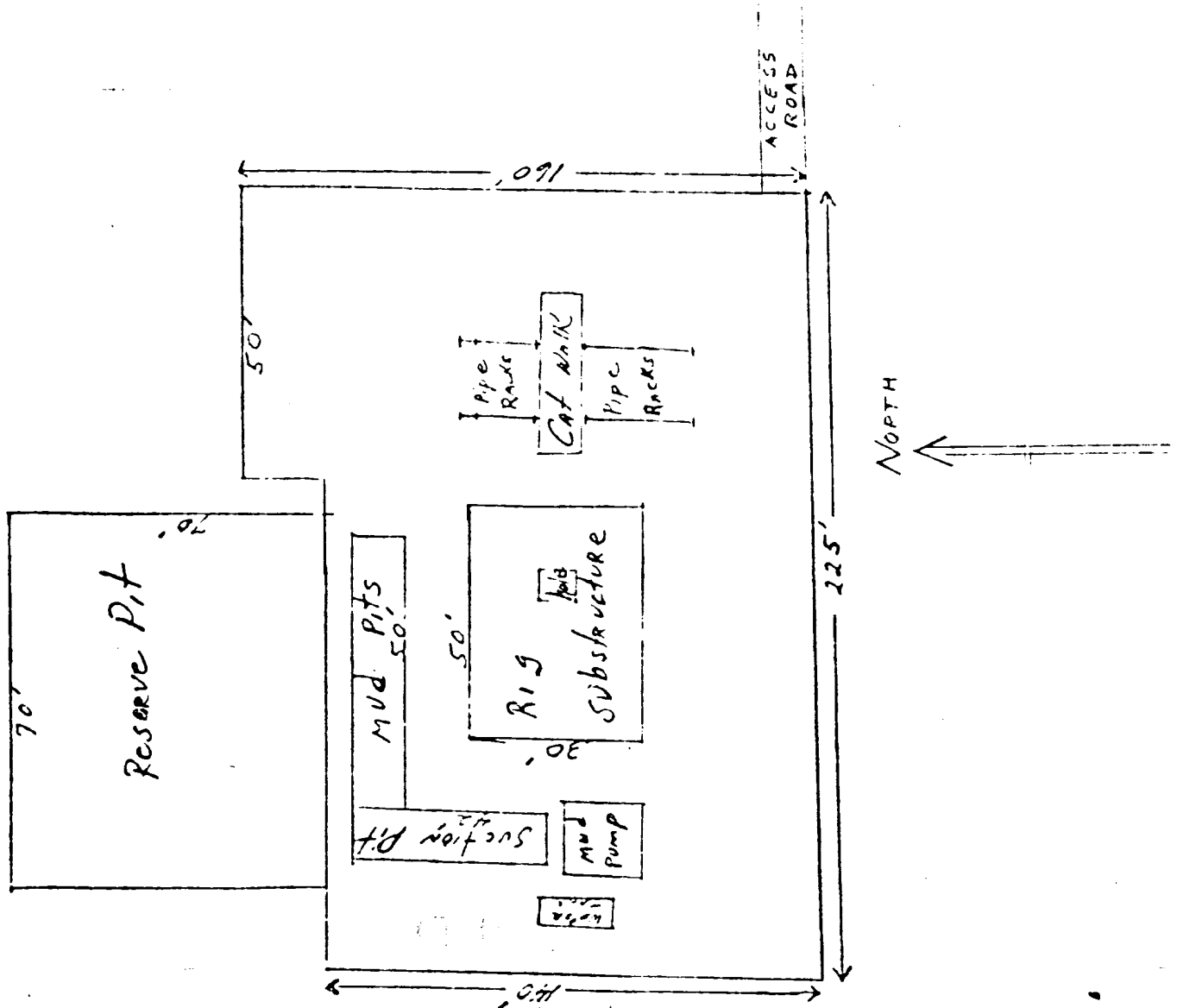
EXHIBIT C

El Ran, Inc.

Phillips Federal #1

Sec. 13-T8S-R32E

Chaves County, New Mexico



This rig is equipped with a Shaffer LWS Series 900 Double BOP Hydraulic operated. With blanks, 4", 4½" and side connections.

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All equipment should be at least 3,000 psi WP or higher unless otherwise specified.

- . Bell nipple.
- . Hydril bag type preventer
- . Ram type pressure operated blowout preventer with blind rams.
- . Flanged spool with one 3-inch and one 2-inch (minimum) outlet.
- . 2-inch (minimum) flanged plug or gate valve.
- . 2-inch by 2-inch by 2-inch (minimum) flanged tee.
- . 3-inch gate valve.
- . Ram type pressure operated blowout preventer with pipe rams.
- . Flanged type casing head with one side outlet.
- . 2-inch threaded (or flanged) plug or gate valve.
- . Flanged on 5000# WP, threaded on 3000# WP or less.
- . 3-inch flanged spacer spool.
- . 3-inch by 2-inch by 2-inch by 2-inch flanged cross.
- . 2-inch flanged plug or gate valve.
- . 2-inch flanged adjustable choke.
- . 2-inch threaded flange.
- . 2-inch XXH nipple.
- . 2-inch forged steel 90° Ell.
- . Cameron (or equal.) threaded pressure gage.
- . Threaded flange.
- . 2-inch flanged tee.
- . 2-inch flanged plug or gate valve.
- . 2½-inch pipe, 300' to pit, anchored.
- . 2½-inch SE valve.
- . 2½-inch line to steel pit or separator.

NOTES:

- . Items 3, 4 and 8 may be replaced with double ram type preventer with side outlets between the rams.
- . The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.
- . Kill line is for emergency use only. This connection shall not be used for filling.
- . Replacement pipe rams and blind rams shall be on location at all times.
- . Only type U, LSW and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
- . Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.

EXHIBIT D

El Ran, Inc.

Phillips Federal #1

Sec. 13-T8S-R32E

Chaves County, New Mexico

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# WEK DRILLING CO., INC. - RIG 3 BLOWOUT PREVENTER SPECIFICATION

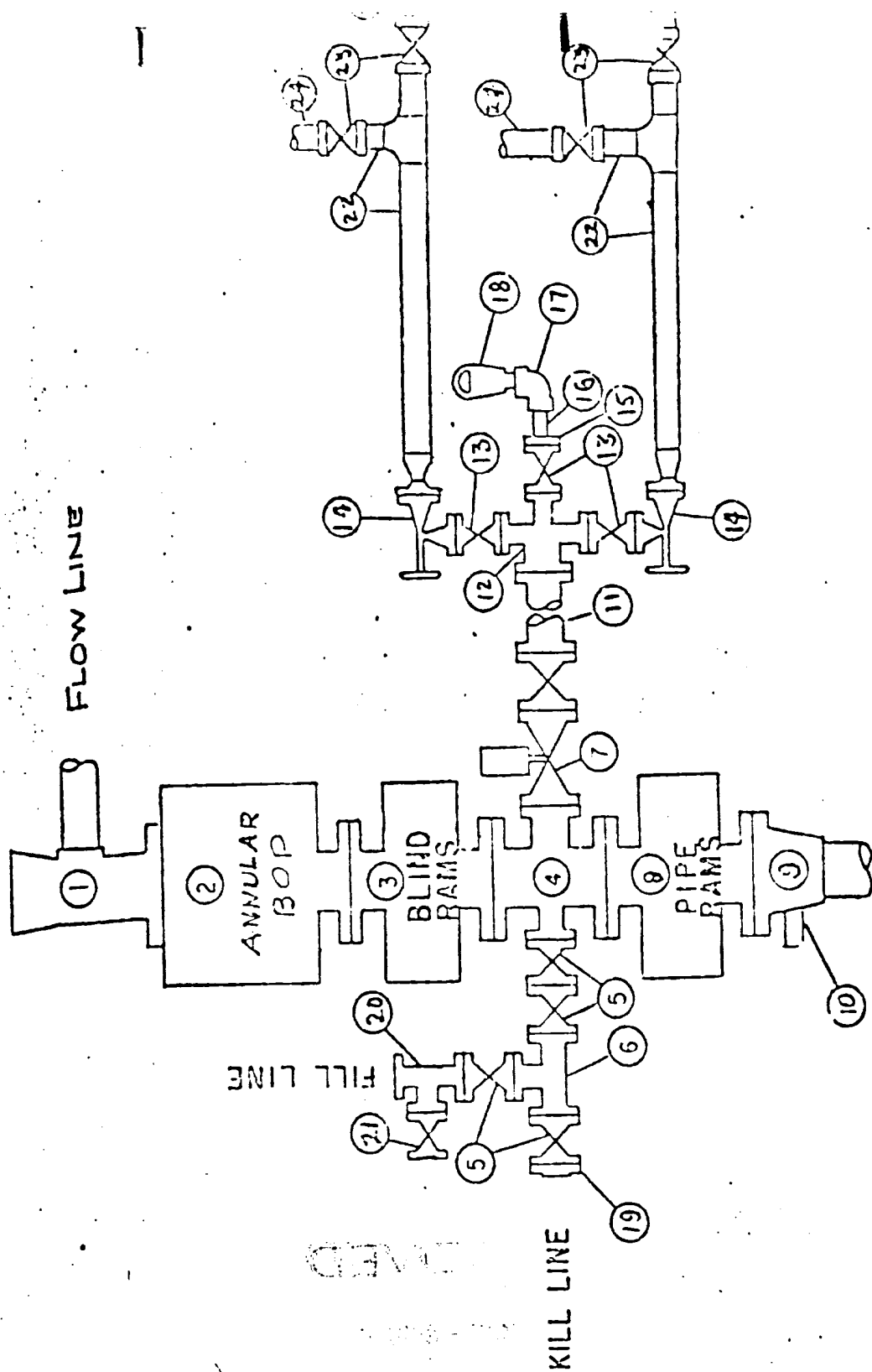
EXHIBIT E

El Ran, Inc.

Phillips Federal #1

Sec. 13-T8S-R32E

Chaves County, New Mexico



12/15/74

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**OIL CONSERVATION COMM.  
HOBBS, N. M.**

April 17, 1979

Davis Brothers Ranch  
Milensand, New Mexico

Dear Sirs:

This will confirm my conversation with Tom Davis for surface damages on the Phillips Federal #1, Sec. 13, T8S, R32E, and in Sec. 18, T8S, R33E, Chaves County, New Mexico.

El Ran, Inc. is to pay the Davis Brothers ~~per~~ per well location, and ~~per~~ per rod for access roads and pipeline damages. If the well is determined to be non-productive, El Ran, Inc. ~~will, at the Davis Brothers option, leave the well site and road support; we~~ will leave the well site and road cleaned of all trash and junk, and in as aesthetically pleasing condition as possible.

Please sign and return one copy of this letter.

Sincerely,

EL RAN, INC.



Robert R. Ranck,  
Vice-President

RRR/kd

DAVIS BROS. RANCH

---

Tom Davis

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