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reverse side)

30-005-20115 Form approved. Budget Bureau No. 42-R1425.

(Other instructions on

UNITED STATES

DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** N. M. 13999 APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK G. IF INDIAN, ALLOTTEE OR TRIBE NAME 1a. TYPE OF WORK DRILL X 7. UNIT AGREEMENT NAME DEEPEN [PLUG BACK b. TYPE OF WELL OIL X SINGLE ZONE WELL X MULTIPLE ZONE 8. FARM OR LEASE NAME OTHER 2. NAME OF OPERATOR Federal El Ran, Inc. 9. WELL NO. 3. ADDRESS OF OPERATOR #3 10. FIELD AND POOL, OR WILDCAT 1603 Broadway, Lubbock, Texas 79401 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface Chaveroo (SA) *Undesignat SEC., T., R., M., OR BLK. AND SURVEY OR AREA 2200 FSL & 2200 FNL FWL At proposed prod. zone Sec. 3, T8S, R32E SAME 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12. COUNTY OR PARISH | 13. STATE 22.9 Miles South of Elida Chaves New Mexico 15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL. WELL LO 440 320 (Also to nearest drig, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION® 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 11,30 4325 Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START* 4481.7 December 1, 1979 23 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 24# 12-7/8 8-5/8 1710 550 7-7/8 4325 200 4-1/2 10.5#

Mud Program - 10# Mud, 35 Viscosity from 4000' to TD BOP Program - See Exhibits C, D, & E



U. S. GEOLOGICAL SURVEY 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. Vice President November 5, 1979 SIGNED _ (This space for Federal or State office use) APPROVED AS AMENDED PERMIT NO. . APPROVAL DAT APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY : NOV 1 9 1979

*See Instructions On Reverse Side GDIS

NEW MEALUD OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form: 17 Superseder C-128 Life tive 17, 85

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APPLICATION FOR DRILLING

EL RAN, INC. FEDERAL #3 Section 3, T8S, R32E Chaves County, New Mexico

In Conjunction with Form 9-331 C, 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 2385' 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 3478 feet to 4325 feet.

- 4. Proposed casing program: See Form 9-33! C.
- 5. Pressure control equipment: See Exhibits C, D, and E.
- 6. Mud Program: See Form 9-331 C.
- 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: Early December. Anticipated completion of drilling operations: Approximately 7 days after starting date.

El Ran Inc.

1603 BROADWAY

806 763-0378

Cubbock, Texas 79401

November 6, 1979

U. S. Geological Survey Oil and Gas Operations 414 West Taylor P. O. Box 1157 Hobbs, New Mexico 88240

RE: Federal #3
Section 3, T8S, R32E
Chaves County, New Mexico

Gentlemen:

El Ran, Inc., has a written agreement with Mr. H. D. Carrol of Lubbock, Texas, which states that at which time the well is determined to be non-productive, at Mr. Carrol's option, El Ran will have the road site ripped and replanted with native grasses, or will leave the well site and road cleaned of all trash and junk, and in as aesthetically pleasing condition as possible.

Sincerely,

W. W. Ranck, Jr. Vice-President

/1h

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

El Ran, Inc.
Federal 3
2200 FNL & 2200 FWL
Section 3 - T8S - R32E
Chaves County, New Mexico
(Development Well)

This plan is submitted with Form 9-331 C, 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 distrubance 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 is a portion of BIM quad-color map No. SE-9 showing the area surrounding the proposed wellsite on a scale of 1/2 inch to a mile. The proposed location is situated at a driving distance of approximately 22.9 miles (excluding the proposed new access road) south 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 19.8 miles (20.4 miles from Highway 70 in Elida). The road surface will change from blacktop to a dirt surfact about 14.5 miles from Elida. You will pass over a number of cattleguards, including five cattleguards on the dirt road. Approximately 0.4 miles after crossing the fifth cattleguard, turn right (west).
 - (3) Approximately 0.1 miles after this turn, you will pass a tank battery on your left. Approximately 0.1 miles beyond this point, a well (Byron 1-Y) is located. Approximately 0.2 miles beyond this well, you will reach the well pad of Byron #2. Turn south at the Byron #2 and go approximately 0.3 miles to the Roberts #1. At this point you will pass a caliche pit on your right. Turn east on the Roberts #1 well pad and proceed approximately 0.3 miles to the Roberts #2. Turn south on the Roberts #2 well pad and proceed approximately 0.3 miles to the Roberts #3 well pad and proceed approximately 0.3 miles to the Roberts #4; whereupon you turn back south and proceed 0.3 miles to the Carroll #1. At the Carroll #1 well pad turn west and proceed west 0.3 miles to the Federal #3.

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 Carroll #1 to the southeastern corner of the drill pad at the proposed location.
- 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 800 feet. It well 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.
- D. No turnouts will be required; no fences, cattleguards, 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 H. D. Carrol. El Ran, Inc. has an agreement with Mr. Carrol for access roads and drillsites in all of Section 3.

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 will be no production facilities on this lease.
 - B. In the event that the well is productive of oil, the Federal #1 tank battery and heater will be used. Electric power for production is available from a north/south highline about 1500 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.

6. SOURCE OF CONSTRUCTION MATERIALS

A. Caliche required for road and drilling pad surfaces will be obtained from a privately owned pit approximately one mile north of the proposed drillsite. This is the caliche pit referred to in Paragraph 1A (3).

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.

1

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

El Ran, Inc. Federal #3 PAGE 4

C. If the proposed well is non-productive all applicable rehabilitation and/or vegetation requirements of the BIM and surface restoration will be in accordance with the agreement with the surface owner. Rehabilitation should be accomplished 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 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 one mile west of the location.
- F. 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.
- G. Surface Ownership: Wellsite and roads will be on fee surface.

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

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

13. CERTIFICATION

See attachment on next page.

El Ran, Inc. Federal #3 PAGE 5

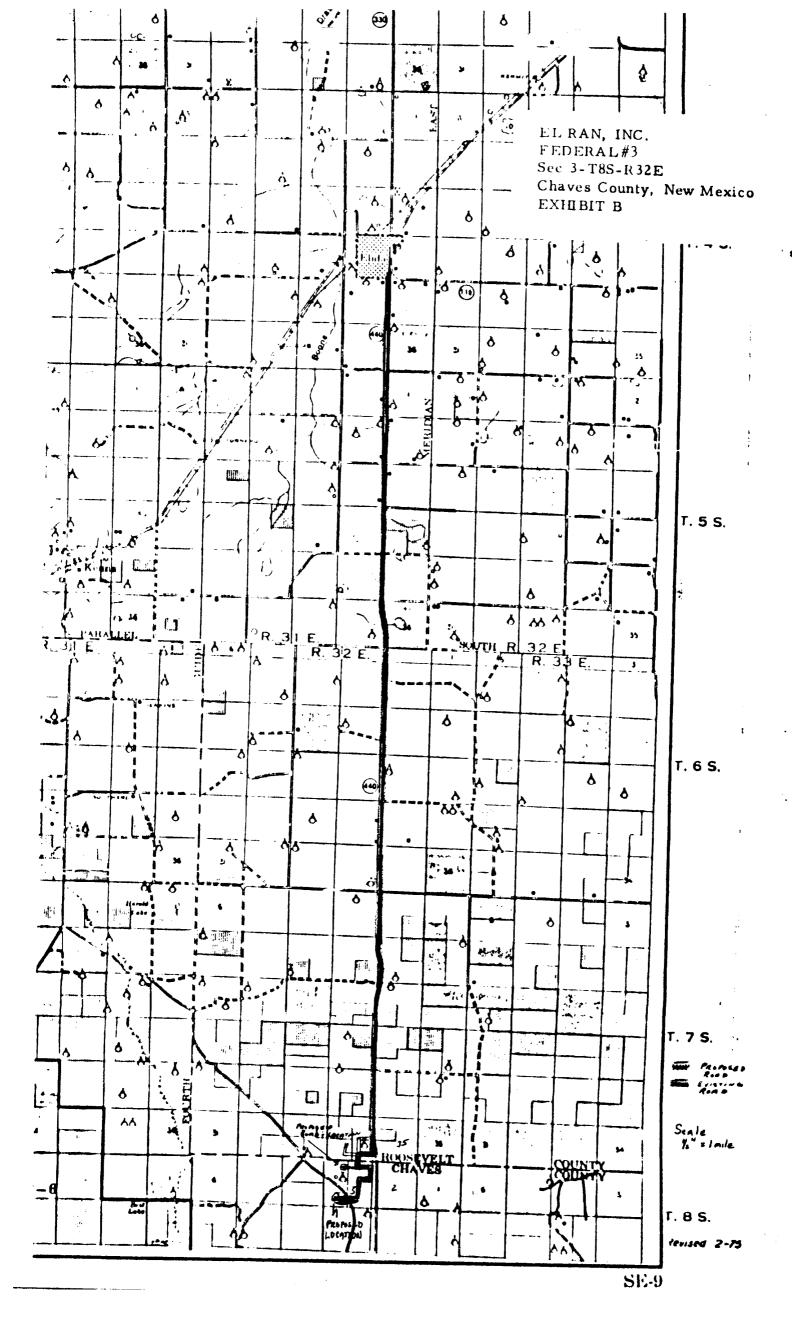
CERTIFICATION

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 statement 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 sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

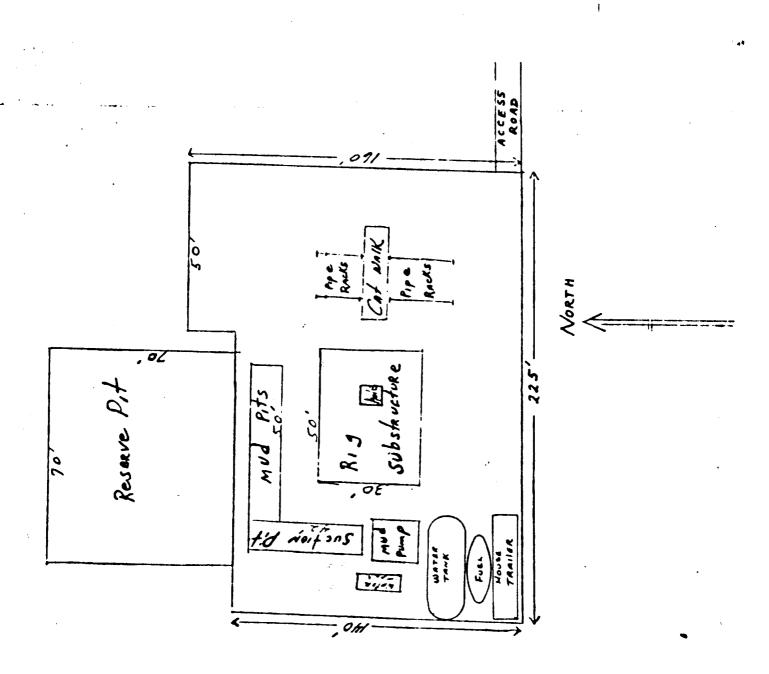
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W. W. Ranck, Jr. Vice-President El Ran, Inc.

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EL RAN, INC. FEDERAL#3 Sec 3-T8S-R32E Chaves County, New Mexico EXHIBIT C



This rig is equiped with a Shaffer LWS Series 900 Double BSP Hydralic operated. With blanks,4", 4%" and side connections.

WEK DRILLING CO., INC. - RIG 3 EQUIPMENT DESCRIPTION

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 treaded (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 gauge
- Threaded flange
- 2-inch flanged tee
- 2-inch flanged plug or gate valve
- 2 inch pipe, 300 to pit, anchored
- 2½-inch SE Valve
- 2 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 time.
- Only type U, LSW and QRC ram type preventer 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.
Federal #3
Sec. 3-T6S-R32E
Chaves County, New Mexico

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EL RAN, INC. FEDERAL#3

