# N. M. O. C. C. CORS

SUBMIT IN TRIPL

## UNITED STATES DEPARTMENT OF THE INTERIOR

(Other instruction reverse side)

| Form   | approved |     |          |
|--------|----------|-----|----------|
| Budget | Bureau   | No. | 42-R1425 |

|  | 3. LEASE DESIGNATION AND SERIAL NO.  |                    |                                     |             |                        |                 |                                  |                |  |  |
|--|--------------------------------------|--------------------|-------------------------------------|-------------|------------------------|-----------------|----------------------------------|----------------|--|--|
|  | 11963- <i>A</i>                      | ı                  |                                     |             |                        |                 |                                  |                |  |  |
| _ APPLICATIO   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |                    |                                     |             |                        |                 |                                  |                |  |  |
| 1a. TYPE OF WORK   |                                      |                    |                                     | ·, · · ·    |                        |                 |                                  |                |  |  |
| DR   | 7. UNIT AGREEMENT NAME               |                    |                                     |             |                        |                 |                                  |                |  |  |
| b. TYPE OF WELL  | AS [                                 |                    |                                     | NGLE [      | MULTIP                 |                 | ·                                |                |  |  |
| WELL AND V   | 8. FARM OR LEASE NAME                |                    |                                     |             |                        |                 |                                  |                |  |  |
| 2. NAME OF OPERATOR  | Federal "15"                         |                    |                                     |             |                        |                 |                                  |                |  |  |
|  | roleum Corporat                      | ion                |                                     | <u> </u>    |                        |                 | 9. WELL NO. A                    |                |  |  |
| 3. ADDRESS OF OPERATOR   |                                      |                    |                                     |             |                        |                 | }                                | -1             |  |  |
| P. O. Drawe  | er 2358, Midland                     | d, TX 79701        |                                     |             |                        |                 | 10. FIELD AND POOL, OR WILDCAT   |                |  |  |
| 4. LOCATION OF WELL (F   | deport location clearly and          | l in accordance wi | th any S                            |             |                        |                 | Wildcat                          |                |  |  |
| 660  | FSL & 660' FWI                       | -                  |                                     | 1.37 6      | 9 1910                 | 1               | 11. SEC., T., R., M., OR BLK.    |                |  |  |
| At proposed prod. zon  |                                      |                    |                                     | . a acatai  | HOAL PIL               | 797 <b>7V</b> . | AND SURVEY OR                    | AREA           |  |  |
| 660'   | FSL & 660' FWI                       | -                  | l                                   | J.S. eralət | gatarah ot<br>Kenarany | 100             | 3, T-7-S, R-30-E                 |                |  |  |
| 14. DISTANCE IN MILES  | AND DIRECTION FROM NEA               | REST TOWN OR POS   | T OFFICE                            | ARILSIA, I  | CAN HICA               | , i.u.          | 12. COUNTY OR PARISH   13. STATE |                |  |  |
| 10 miles so  | outhwest of Kenr                     | na                 |                                     |             |                        |                 | Chaves                           | New Mexico     |  |  |
| 15. DISTANCE FROM PROP-<br>LOCATION TO NEARES                            | OSED*                                |                    | 16. NO. OF ACRES IN LEASE   17. NO. |             |                        | 17. No. c       | F ACRES ASSIGNED                 | 1 HEW HEXTER   |  |  |
| PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)    |                                      |                    |                                     | 920         |                        |                 | HIS WELL                         | 40             |  |  |
| 18. DISTANCE FROM PROI   | 19. PROPOSED DEPTH 20. ROTA          |                    |                                     | 20. ROTA    | RY OR CABLE TOOLS      |                 |                                  |                |  |  |
| TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. |                                      |                    |                                     | 10001       |                        |                 | Rotary                           |                |  |  |
| 21. ELEVATIONS (Show wh  | ether DF, RT, GR, etc.)              |                    | <u></u>                             |             |                        |                 | 22. APPROX. DATE W               | ORK WILL STAPE |  |  |
| 4235' GL (estimated)   |                                      |                    |                                     |             |                        |                 | December 1                       |                |  |  |
| 23.  | ĭ                                    | PROPOSED CASI      | VC AND                              | CEMENTAL    | DDOGDA                 |                 | 1 December 1                     | 3 1370         |  |  |
|  |                                      | THE CASE CASE      |                                     | CEMENTING   | PROGRA                 | MI.             |                                  | •              |  |  |
| SIZE OF HOLE   | SIZE OF CASING                       | WEIGHT PER F       | OOT SETTING DEPTH                   |             |                        | ENT             |                                  |                |  |  |
| 11"  | 8-5/8"                               | 24#                | 300'                                |             | ) '                    |                 | 200 sx                           |                |  |  |
| 7-7/8"   | 4-1/2"                               | /2" 9-1/2#         |                                     | 4000'       |                        |                 | 225 sx                           |                |  |  |
|  |                                      |                    | l                                   |             |                        |                 |                                  |                |  |  |
|  | I                                    | ı                  | 1                                   |             | 1                      |                 |                                  |                |  |  |
| Daill wall   | to toot the Com                      | A                  | - AU -                              | 7 7         |                        |                 |                                  |                |  |  |

Drill well to test the San Andres 'P-3" Zone. The "P-2" and "P-4" Zones are secondary intervals of interest.

Operations are expected to be completed 21 days after spud.

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 oh TITLE District Production Manager - Lorenz (This space for Federal or State office y RESCINDED ATTER PERATIONS ANE NOT COM EXPIRES ACTING DISTINAT \*See Instructions On Reverse Side

C137 P

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

All distances must be from the outer boundaries of the Section perator Well No. CLEARY PETROLEUM CORP. Federal 15 4 rut Letter ownship Homae M 7 South 30 East Chaves Actual Footage Location of Well: 660 south 660 line and teet from the Ground Level Elev. Producing Formation Dedicated Acreage: San Andres Wildcat 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? NOV 29 1976 If answer is "yes." type of consolidation \_\_\_ No U.S. GEOLOGICAL SURVEY If answer is "no." list the owners and tract descriptions which have actually been consolidate lidated. (Use reverse side of 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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Cleary Petroleum Corp. Nov. 29, 1976 hereby certify that the well location Date Surveyed 660 i Fir tessional Engineer 676

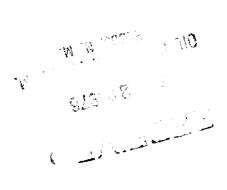
1500

1000

500

660

1320





# CLEARY PETROLEUM CORPORATION

P. O. DRAWER 2358 MIDLAND, TEXAS 79701 (015 - 633-4793

405 WALL TOWERS EAST MIDLAND DISTRICT OFFICE

November 29, 1976

United States Department of the Interior Geological Survey P. O. Drawer U Artesia, New Mexico 88200

Attention: Mr. Leon Beekman, Assistant District Engineer

Re: Fede

Federal "15", Well No. 4

660' FSL & FWL

Section 3, T-7-S, R-30-E Chaves County, New Mexico

#### Gentlemen:

In compliance with the NTL-6 requirements the following information is provided as an attachment to the Form 9-331C, "Application for Permit to Drill, Deepen, or Plug Back":

- 1. The surface formation is Tertiary-Ogallala.
- 2. Formation tops are as shown on the, "Drilling Prognosis".
- 3. Depths of oil bearing formations (primary and secondary) are as shown on the, "Drilling Prognosis".
- Casing as shown on the, "Drilling Prognosis".
- 5. Information on the "Blowout Preventer Hook-up" (as shown on the Schematic Attachment "l") with pertinent information on testing procedures and testing frequency (as shown on Attachment "l"-A).
- 6. Characteristics of circulating medium as shown on the, "Drilling Prognosis".
- 7. None required except those supplied by drilling contractor including kelly cocks and stabbing valve.
- 8. Testing and logging are as shown on the, "Drilling Prognosis".
- 9. No abnormal pressures or temperatures are expected to be encountered. Potential hazards such as hydrogen sulfide gas are also not expected but adequate equipment will be provided by drilling contractor should it be necessary.

-2- November 29, 1976 U.S.G.S.

10. The anticipated starting date of this operation is as soon as possible upon approval of request and should be completed in approximately 21 days after commencement of drilling.

Should any other information be required, we will supply it upon request.

Very truly yours,

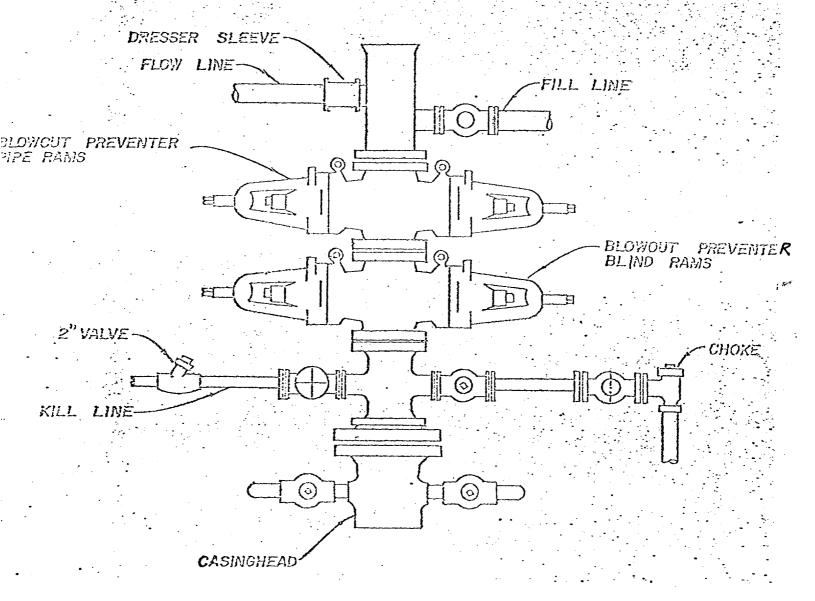
CLEARY PETROLEUM CORPORATION

W. E. Lorenz

District Production Manager

WEL: RBW: ph

# BLOWOUT PREVENTER HOOK-UP 2000 PSI WORKING PRESSURE



ATTACHMENT "]"
Cleary Petroleum Corporation
Well No. 4 - Federal "15"
660' FSL & 660' FWL
Sec. 3, T-7-S, R-30-E
Chaves County, New Mexico

#### BLOWOUT PREVENTER OPERATING AND TESTING PROCEDURE

Prior to installation, all blowout preventer equipment will be inspected by operator's representative. This inspection will include visual inspection of ring grooves, bonnet seals, connecting rods and body bore and pressure testing of the opening and closing chambers to pressure limits approved by manufacturer.

The Ram type preventer will be pressure tested to 200-300 psi and casing working pressure upon installation. The full blowout preventer stock will be pressure tested weekly and after each Ram change to 200-300 psi and to the lower of the following maximums:

- 1. Required working pressure on Ram type preventer.
- 2. Wellhead working pressure.
- 3. Casing working pressure.

An operational test of the blowout preventer will be performed on each round trip but no more than one (1) each day. The pipe Ram preventer will be closed on pipe and the blind Rams closed while out of the hole. A drilling crew proficiency test to perform the well shut in procedure will be performed at least once each week with each drilling crew.

#### DRILLING PROGNOSIS

#### CLEARY PETROLEUM CORPORATION

#### Federal "15" Well No. 4

November 29, 1976

Wildcat Chaves County, New Mexico

Location:

660' FSL & 660' FWL, Section 3, T-7-S, R-30-E,

Chaves County, New Mexico.

Elevation:

4235' GL (estimated) (Datum to be KB Elev.)

Proposed Total Depth: 4000' Est. (to be drilled with rotary tools).

Hole and Mud Program:

11" to 300', drill with fresh water spud mud (Bentonite

& lime), viscosity 50-70 sec.,

7-7/8" to 4000', drill with salt water gel with paper for wall cake control and corn starch for water loss control.

Magcobar Mud.

Weight

10.4 to 10.7#/gal

Viscosity

30 to 40 sec/1000 cc

Water Loss

10 cc

Logging Program:

- (1) Formation Density Compensated Neutron (FDCNL)
- (2) Microlaterolog (MLL)

(3) Laterolog (LL<sub>3</sub>)

(4) Temperature Survey - Top cement behind 4-1/2" casing

(5) Gamma Ray/Collar Locator Correlation log

Drill Stem Test:

San Andres - Possibly one (1) test.

Casing and Cementing Program:

8-5/8" to 300', 24#, J-55, 8 RT (ST&C) new casing to be set approximately in anhydrite above Redbed section and cemented to surface with 200 sacks Class "C" (2% CaCl). Cement to be displaced by pump and plug method. Use a guide shoe and three (3) centralizers. Test to 600 psi for 30" (after cement has set 18 hrs.) prior to drilling out.

4-1/2" to 4000', 9.5# (or better), J-55, 8 RT (ST&C) new casing to be set sufficiently below the "P-3" porosity zone and cemented with 225 sacks Pozmix "C" (2% gel) with 3# salt/sack and mixed 0.5% CFR-2. Run guide shoe with insert float valve on top first joint and five (5) centralizers.

#### Formation Tops:

| Russler 1081 (+31<br>Yates 1488 (+27 |      |
|--------------------------------------|------|
| •                                    | •    |
| Carran Director 3500 (100            | 561) |
| Seven Rivers 1580 (+26               | JU / |
| Queen 2208 (+20                      | 28') |
| Grayburg 2218 (+20                   | 18') |
| San Andres 2616 (+16                 | 20') |
| Phi Marker 3125 (+11                 | 11') |
| P-1 3277 (+ 9                        | 59') |
| P-2** 3370 (+ 8                      | 66') |
| P-3* 3450 (+ 7                       | 86') |
| P-4** 3685 (+ 5                      | 51') |
| Glorieta 3920 (+ 3                   | 16') |

\*Possible pay zones (oil bearing)
\*\*Possible secondary pay zones (oil bearing)

Surface Formation:

Tertiary-Ogallala

#### SUGGESTED PROCEDURE

- 1. Drill II" hole with fresh water spud mud (Bentonite & lime) to approx. 300'.
- 2. Run 8-5/8", 24# casing and cement w/200 sacks cement with enough volume to circulate to surface. Use a guide shoe and three (3) centralizers on bottom 100'. Pump plug down with water and wait on cement (WOC). Pressure to 600 psi after eighteen (18) hours and test for 30" (drop should not be more than 100 psi).
- 3. If tests OK, drill out with 7-7/8" bit and salt water gel. Use paper for lost circulation material to control "filter cake build-up" in the porous sands under the surface pipe.
- 4. Have water loss control in mud prior to topping the "P-2" porosity zone at approximately 3370'.
- 5. At approximately 4000' (proposed TD picked by geologist) circulate hole clean and run (1) Formation Density Compensated Neutron (FDCNL); (2) Laterolog (LL<sub>3</sub>) and (3) Microlaterolog (MLL).
- 6. Run 4-1/2"(9.5# or better) casing and cement w/225 sacks Pozmix "C". This should be a column of cement 1050' high (using 30% excess) and will fill to approximately 2950'. Use a guide shoe with an insert float valve in top of the first collar and five (5) centralizers spaced on depths from the caliper survey. Pump plug with 2% KCL water mixed 1 gal/1000 gal Moreflo (demulsifying agent).
- 7. Wait on cement eighteen (18) hours and cut-off and hang 4-1/2" casing in wellhead and release rig.

  NOTE: Run Temperature survey inside 4-1/2" casing (after 12 hrs. WOC) to establish top of cement behind 4-1/2" casing.

- 8. Move in double drum unit (after setting deadmen) and run Gamma Ray/Collar Locator Log. Correlate with Formation Density Compensated Neutron Log.
- 9. Perforate 1 shot per foot in San Andres porosity.
- 10. Run 4-1/2" X 2-3/8" packer on tubing and circulate 15% NE acid over perfs. Pull up and set packer above perfs. and acidize w/500 gals. 15% NE acid.
- 11. Swab test perfs. to test tank.
- 12. Any subsequent work will be planned after testing.

# MULTI-POINT SURFACE USE AND OPERATIONS PLAN

CLEARY PETROLEUM CORPORATION
WELL NO. 4 - FEDERAL "15"
660' FSL & 660' FWL, Sec. 3-7S-30E
CHAVES COUNTY, NEW MEXICO
LEASE NO. 11963

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the 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 operation 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 a highway map showing the location of the proposed well as staked. At Kenna (65 miles east of Roswell on U.S. 70) go 8 miles south on an improved road and continue approximately 3.6 miles southwesterly on the same improved road on the right fork in the road. Turn right and go north approximately 3/4 mile on a lease road (referred to as the Forest Road).
- B. Exhibit "B" is a plat showing all existing roads within a three mile radius of the wellsite, and the planned access road. The access road shown in blue coloring is a caliche surfaced road over which oil field traffic enters the existing Cato Field to the south.
- C. No existing roads are available from this point to the wellsite.

#### 2. PLANNED ACCESS ROADS:

- A. Length and Width: New roads will be 12' wide and 6600' long. This road is shown in red coloring on Exhibit "B". The center line of the proposed new road (from the southeast of Sec. 9 where it will tie-in to the proposed road to be built for Federal "15" Well Nos. 1 & 3) from the beginning to the wellsite, has been staked and flagged with the stakes being visible from one to the next.
- B. <u>Surfacing Material</u>: The road will be graded across the natural surface (where loose sand is not present) and will be watered and compacted. Where loose sand is present, six inches of caliche will be spread, watered, compacted and graded.
- C. <u>Maximum Grade</u>: 3 percent.
- D. Turnouts: None required.
- E. <u>Drainage Design</u>: New roads will have a drop of six inches from center line on each side.

- F. Culverts: None required.
- G. Cuts and Fills: None required.
- H. <u>Gates, Cattleguards</u>: One cattleguard will be installed in fence at the southeast corner of Section 9. Location is shown on Exhibit "B".

# 3. LOCATION OF EXISTING WELLS:

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

# 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There are no existing production facilities (battery, lines, etc.) presently on the lease.
- B. If the proposed well is completed for production, the tank battery and flow line will be located on the northeast corner of the pad and no additional surface disturbance will occur.
- C. It is pointed out that should this well be drilled subsequent to Federal "15" Well No. 2, the plans would be to utilize the proposed tank battery in the NE/4 of the SW/4 of Section 3, T-7-S, R-30-E, as shown on Exhibit "C". The flow line will not be buried. The center line of this alternate flow line has been staked and flagged for this eventuality since the flow line is common to Federal "15" Wells No. 2 and 4, should they both be productive, with only one battery necessary at the first drilled well.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

A. Water for drilling will be purchased from Mr. Bud Bilberry from a tank (approximately five miles south of Kenna) and transported by tank truck to the wellsite over the existing and proposed roads shown on Exhibits "A" and "C".

#### 6. SOURCE OF CONSTRUCTION MATERIALS:

A. Since there is no existing caliche pit in the area, caliche for surfacing the road (where applicable) and the well pad will be obtained from a new pit to be located on patented surface (over Federal minerals) in the SW/4 of the SE/4 of Section 15. The location of the pit to be opened is shown on Exhibit "B" and the corners have been staked and flagged. Approval to open the pit has been obtained from the Bureau of Land Management provided that they are furnished a letter of consent from the surface owner (Mr. Bud Bilberry at Kenna).

# 7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of trash pit is shown on Exhibit "D".
- F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion of operations.

# 8. ANCILLARY FACILITIES:

None required.

# 9. WELLSITE LAYOUT:

- A. Exhibit "D" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit and location of major rig components.
- B. Only minor levelling of the wellsite will be required. No significant cuts and fills will be necessary.
- C. The reserve pit will be plastic lined.
- D. The pad and pit area has been staked and flagged.

# 10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and location will be cleaned. The pit area,

well pad, and all unneeded access road will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

# 11. OTHER INFORMATION:

- A. <u>Topography</u>: Land surface is generally flat from an estimated elevation of 4235 feet at the wellsite, the land surface slopes gently toward the southwest at about 5 feet to the mile.
- B. <u>Soil</u>: Soil is a shallow to medium deep fine sand underlain by clay and caliche.
- C. Flora and Fauna: The vegetative cover is generally sparse and consists of beargrass yucca, sandsage and perenial native range grasses. Wildlife in the area is that typical of semiarid desert land and includes coyotes, rabbits, rodents, reptiles, dove, quail, and an occasional antelope.
- D. <u>Ponds and Streams</u>: There are no rivers, streams, lakes or ponds in the area.
- E. Residences and Other Structures: The nearest occupied dwelling is a ranch house in excess of 5 miles northeast of the wellsite. The nearest water well is a windmill 2-1/2 miles northeast of the wellsite.
- F. ARCHEOLOGICAL, HISTORICAL AND CULTURAL SITES: None observed in the area.
- G. Land Use: Grazing.
- H. <u>Surface Ownership</u>: Wellsite is on patented surface over Federal minerals.

# 12. OPERATOR'S REPRESENTATIVE:

The field representatives responsible for assuring compliance with the approved surface use and operations plan are as follows:

W. E. Lorenz
District Production Manager
405 Wall Towers East
Midland, Texas 79701
Office phone: 915-683-4793
Home phone: 915-682-5998

D. W. Rice Assistant District Production Manager 405 Wall Towers East Midland, Texas 79701 Office phone: 915-683-4793

Home phone: 915-683-4793 915-684-4724

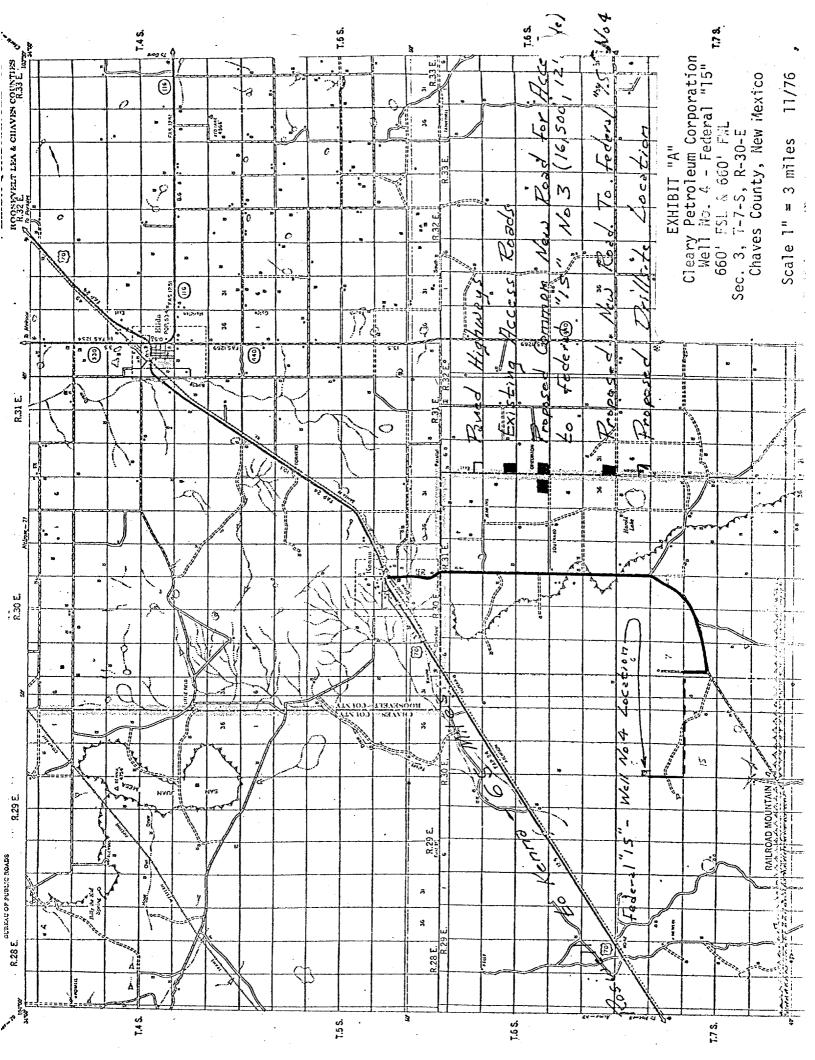
# 13. CERTIFICATION:

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 Cleary Petroleum Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

November 29, 1976

W. E. Lorenz

District Production Manager



| -2            | 3:1:11   | 8 24.75<br>1.8 E. H. Davis                          | 6 72 72<br>JALUW Covin                    | ys.   | វ វិ   | 5.  | U.   | s.                                 | u s   | * OF.   |                            |  |   |
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|               |  |   | Alternata.                                | NagerE) Futton<br>Hognie i etat<br>  6 - 21 - 76          | Cleary Patr.   | oposed  |  |                                    | Hsto Welis  | 19497   |                            |  |   |
| رو <b>د</b> - |  | Progress Honl &<br>Progress Adomsts                 | New Roa                                   |   | 104 Fed is"  | We ! !  | C.S.F.M.  <br> inger<br>  6-1 - 05  <br>  13-73  | at ë                               | Bryse Hollack's<br>UVInd. 14                        |   | 7                          | ⊕'   |   |
|               | US.  | C.U.Allison, et al                                  | 1   | Fulton.   | R.H.<br>Fulton<br>etal Sur   | C A.Schellinger   | Haniad Dil   | UVInd IShort J. 5-1-85             | Uvind. Hala   | Horiodi<br>Dil  | ii.ii                      | <del></del>                                  | W.J   |
|               |  | statua Senia da                                     | 3.P. Simis, et al. te<br>Spear Bras       | eta: Sun<br>6 · 21 · 76                                   | 6 • 21 • 75  | 15674   | 15007  | 25016 18457                        | etal Weils  | 7-1-821   | 1050                       | h/ i   |   |
| 2-25          | 2 9 2 2 2 9 2  | VetrinSchinzier<br>Eile Schindler<br>EstnerSchonool | Speed Col, Co.                            |   | New k  | p/  | P.H.   | Allied                             | Shenondooh  | 2007  | ¹®;;;<br>7.01 _ i          | ₹ /  | $i_1^{2/2}$                                     |
|               | 3.4 Bracks20<br>75 886   |   |   | LEGI Fulton   | Eun Fulton<br>etol   | C.A.Schellinger   | Fulton Sur<br>6-21-75  | Chem 6 + 21 + 76                   | 16000   | \$6.1.831<br>\$5.4531                                     | D-1                        | . 11991h.<br>1001-763.<br>10350<br>10350     | ,   |
|               | -  |   | Paull'es Hatri &                          | VA Thomas   | XI Thomas &  | 2.5   | Say Howeli, chol   | Gattleg<br>Mildred<br>L'pscamb     | 3,703   | Ging Frances  | Sheno                      | ndoon  | }<br>   |
|               | U.S.<br>Cities Service   | CA Schellinger                                      | Cattkgu:<br>C.A. Sch                      | ellinger  | C.A.Schellinger  |   | Sun<br>Lin 76  | Allied Chem.                       | 500   |   | Regie                      | ,<br>10 Ktol                                 | TW:   |
|               | 1 - 24 - 95  | 81563   | 16.5<br>16.5<br>10.5                      | 532 1 3 M   | 8 1-82<br>15574  | \$ \$1923<br>\$   | 2.21.78 2.29er   | ·                                  | Gos Han   |   | B 1 1 5 1                  | 37   | 18.0  |
| -y.           | 2. N 35-12 28  | <br>  |   | 5 7 7   | Ckary  | Fad "15"<br>CASchellinger   | Rowell, Lours  | Hildred<br>Lipstomb                | 9.5.5///  | 3   | 1.51 3                     | ر<br>1 لــــــــــــــــــــــــــــــــــــ | s. 1<br>8                                       |
| 77.73         |  | ApneAlford<br>10 - 1 - 25<br>25394                  | •   | S. T.   | 10   | 8-1-22<br>15674   | linger 6.29 76<br>8-1-62<br>15674  | Fulfon 16-29 76<br>e101<br>6-29 76 | Texuco<br>2-5, 91                                   | Texaco<br>2.10.61   |                            | سنسي   |   |
| λ             | FH<br>Sompositelal   |   |   | 15 2 14   | fed 15"  | 3 mg  | Fulton<br>etal<br>5:29:76 Arche Fi<br>Graze C  | red Cooperetal, 5'8<br>obser, stal | Emmet HeSomb.<br>BorboroM=From<br>Islo Sill, etal   | UVING VA  |                            | Bater  | ·Co:  |
|               | 77-  | radinow<br>1- EI                                    | 5 · 1 · B5                                | ICA Schellinger   | 9. J.  | predston<br>1. B2<br>5005   | C.Ą.S  | chellinger<br>5 · 81               | Texoco 2.10.61                                      | J. Hompton<br>2 · 29 · 78<br>5a.Union                     |                            | Way Ente                                     | e: p  |
|               |  | eas<br>Barris                                       | Fendleton<br>Lande Expl.<br>4.1-84 20354  | 14141<br>LA Schellinger<br>LIVInd Va                      |  | C.A. Schellinger  | Caliche  |                                    | Uylna V4  | 5 · 13 · 79  A. Fullon, elo!  A. 75 · 76  J.H. E. Dillord | 71 ti, 1                   | 185.Unio                                     | 3. 3  |
|               | 2  | 0   | R L Houniet.                              | Traima Crciby.  | 2  | CA Schellinger  | RH 1 2   | 3 Cresby 1/4                       | 26e:ma Craszy34<br>2                                | So Union  | F 4.52 3                   | 1 15   | 9   |
|               | Fend etani<br>4 • 1<br>200   | onde Expl.  | Con Mayer<br>C . 2: • 76<br>Amona 6:22:78 |   |  | 3 · 29 · 80   | Fulton, 1<br>etal Persona<br>E-13-75 in 3 31   | Fullon of E. Bures                 | L.L. Coin<br>2 - 14 - 74<br>50: Union<br>5 - 2 - 79 | 4 · 27 · 76<br>4 · 22 · 76                                | ies i                      |  | 1, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, |
| ŀ             |  |   | 3. 31 Co 3,                               | UVInd etal<br>3 E Ernst is<br>FallicE Ernst is            | UV.Ind. 44   | Secret Steele   | <i>U</i>   | Cinty 1<br>d V4<br>g Creeby Ya     | Paul pE Erast                                       | A E Manage by   | UVIO                       | ۸.   | Cha   |
|               | ال المراوي<br>المراوي<br>المراوي<br>المراوي<br>المراوي               |   |   | C.A.Schellinger   | C.A Schellinger  | C.A. Schellinger  | 1  | (MarCail)                          | 12 1 82 1 6   | SalUnion  | 1131 1                     | So.Uni                                       | - 8:  |
|               |  |   |   | R.L. Haynie &<br>Len Mager<br>6 - 21 - 26<br>Compandences | 12407  | 4 - 27 80   | i UV In  | Winston elal                       | 17050  <br>3 (Barre of L                            |   | นีย ร                      | 1567<br>1                                    | "   |
|               | \$0:135 E  | ئ.<br>9   | _   | 12 8 26 20 20 4 5 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   |  | 2017-5.54414  | Eimer Fer-<br>2<br>Gien  | 6                                  | So Union 7  | 5   | 11.16 3                    |  |   |
|               |  |   | ©A Schellinger<br>10 - 1 - 93<br>12407    | 1975<br>16.1 80<br>3497<br>U.S                            | J.A.   |   | 2  | 7 Pt   CASTE                       | Amoso   | AmoroSenders<br>703710<br>9.5.                            | 700 7                      | C:1.0<br>9-1<br>1 0551                       |   |
|               | aniii p E.Ennat<br>a E Eary era                                      | Elvind Va   | L S                                       | ودوا والروا   |  | france<br>A grant   | G.A.Fernstro   |                                    | XHIBIT "  | Dord S *.7.<br>Canters Je**<br>R <sup>II</sup>            | · '                        |  |   |
|               |  | <del>                                     </del>    | <del></del>                               |   |  | Glenn<br>Fet.   | 1  | Cleary Pe                          | troleum   | Corporati   | ion                        |  |   |
|               |  |   |   |   | 100<br>20121<br>10121<br>10121   | 7+1-80<br>8503  | 660'   | FSL & FWL                          | . 4 - Fe  | , T-7-S,  | R-30                       | -E   |   |
|               | # # 3377114<br># # 3377114 R   | DVINA   | 3   |   | 3  | 205.  | Chave  | s County,                          | New Mex   | . Scale   |                            | 4000   | 1   |

Hiternate Tank Battery (if Well No. 2 Drld. 199) Proviously Proposed Proposed Flow Line (if Well No 2 Dold 1st)

EXHIBIT "C"

Cleary Petroleum Corporation
Well No. 4 - Federal "15"
660' FSL & 660' FWL
Sec. 3, T-7-S, R-30-E
Chaves County, New Mexico

Scale 1" = 1000' 11/76

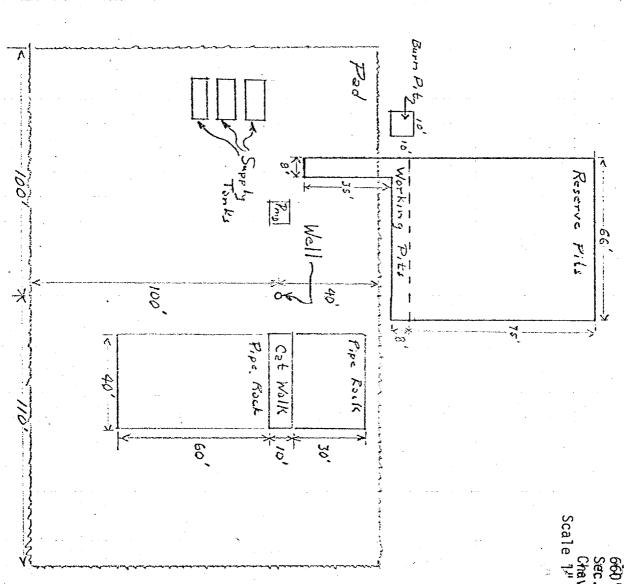


EXHIBIT "D"

Clearly Petroleum Corporation

Rig Layout

Well No. 4 = Federal "15"

660' FSL & 660' FWL

Sec. 3 T-7.-5 R-30-E

Chaves County New Mexico