| orm 9-331 C  |  |  |   | SUBMIT IN TRI  |  | Form approved.<br>Budget Bureau No. 42-R1425.   |
|--|--|--|---|--|--|---|
| (May 1963)   | UNIT   | ED STATES  |   | (Other instruct<br>reverse sid   |  | 30-045-24621  |
|  | DEPARTMENT   | OF THE IN  | ITERIOR   |  | ,<br>T   | 5. LEASE DESIGNATION AND SERIAL NO.   |
|  | GEOLOG   | GICAL SURVE  | Y   |  |  | NM-080-280  |
| APPLICATION  | FOR PERMIT T   | O DRILL, D   | EEPEN, C  | OR PLUG B  |  | 6. IF INDIAN, ALLOTTEE OB TRIBE NAME<br>N/A   |
|  |  | DEEPEN [   | ]   | PLUG BAC   | :к 🗆   | 7. UNIT AGREEMENT NAME<br>N/A   |
|  | SLL X OTHER  |  | SINGLE<br>ZONE  | MULTIPI<br>ZONE  |  | 8. FARM OR LEASE NAME<br>Mexico-Federal M   |
| 2. NAME OF OPERATOR<br>Getty Oil Com   | pany   |  |   |  |  | 9. WELL NO.   |
| 3. ADDRESS OF OPERATOR   | armington, New   | Mexico 8740  | 11  |  |  | 10. FIELD AND POOL, OB WILDCAT  |
| 4. LOCATION OF WELL (Re  | port location clearly and  | in accordance with   | h any State req   | uirements.*)   | E  | 3lanco Mesa Verde-Basin   |
| At surface   | 2501   | <b>//20</b><br>_ & <del>-930'</del> FEL  |   |  | -  | 11. SEC., T., R., M., OR BLK. Dakota<br>AND SURVEY OR AREA  |
| At proposed prod. zono<br>Same   |  |  |   |  |  | Sec. 12 T31N R13W   |
| 14. DISTANCE IN MILES A  | utheast of La  |  |   |  |  | 12. COUNTY OF PARISH 13. STATE<br>San Juan New Mexico   |
| 15. DISTANCE FROM PROPO<br>LOCATION TO NEAREST<br>PROPERTY OR LEASE L  | 9820*<br>  | 930'   | 16. NO. OF AC<br>320  |  | 17. NO. OF<br>TO TH  | ACRES ASSIGNED<br>IS WELL 160 5/320   |
| (Also to nearest drig<br>18. DISTANCE FROM PROP-<br>TO NEAREST WELL, DI<br>OR APPLIED FOR, ON THI  | OSED LOCATION®<br>RILLING, COMPLETED, 2/   | .60'   | 19. реоровед<br>6970  |  | 20. ROTAR  | y or cable tools<br>Rotary  |
| 21. ELEVATIONS (Show who   |  | 585  | 9'GR  |  |  | 22. APPROX. DATE WORK WILL START*<br>JUJY 1, 1979   |
| 23.  | ]  | PROPOSED CASIN   | IG AND CEM  | ENTING PROGR   | AM   |   |
|  | · · · · · · · · · · · · · · · · · · ·  | 1  |   |  |  |   |
| SIZE OF HOLE   | SIZE OF CASING   | WEIGHT PER FO  | 00T S   | ETTING DEPTH   |  | QUANTITY OF CEMENT  |
| 14-3/4"  | 10-3/4" new  | 32.75# H-4   | 0   | 250'   | 280 cu   | .ft. Class "A"  |
| <u>14-3/4"</u><br><u>9-3/4"</u><br>6-3/4"  | <u>10-3/4" new</u><br><u>7-5/8" new</u><br>5-1/2" new  | <u>32.75# Н-4</u><br><u>26.4# К-55</u><br>15.5# К-55   |   | 250'<br>3935'<br>5970'   | 1,280<br>105 cu<br>50-50   | .ft. Class "A"<br>cu.ft. Class "A" perlit<br>.ft. Class "A", 465 cu.<br>pozmix  |
| <u>14-3/4"</u><br><u>9-3/4"</u><br><u>6-3/4"</u><br><u>1. Drill 14-3/</u><br><u>2. Log B.O.P.</u><br><u>3. Run test, 7</u><br><u>4. Run logs as</u><br><u>EXHIBITS ATTACH</u><br><u>"A" Locat</u><br><u>"B" The THE B</u><br><u>"D" The B</u><br><u>"D" The M</u><br><u>"E" Acces</u><br><u>"F" Radiu</u><br><u>"G" Drill</u><br><u>Produ</u>                                | 10-3/4" new<br>7-5/8" new<br>5-1/2" new<br>5-1/2" new<br>/4" hole and se<br>checks daily a<br>if warranted, a<br>s needed, and p<br>HED:<br>ion and Elevati<br>en-Point Compli<br>lowout Prevente<br>ulti-Point Requ<br>s Roads into Lo<br>s Map of Field<br>Pad Layout, Cu<br>ction Facilitie<br>at FROPOBED PROCEAN: IN<br>o drill or deepen direction | 32.75# H-4<br>26.4# K-55<br>15.5# K-55<br>15.5# K-55<br>t 10-3/4" c<br>nd run 7-5/<br>erforate an<br>on Plat<br>ance Progra<br>program<br>irements for<br>ocation<br>at-Fill Cross   | asing to<br>3/4" hold<br>8" and 5<br>ad stimula<br>am<br>or A.P.D.<br>ss Sectio   | 250'<br>3935'<br>5970'<br>250' with<br>250' with<br>25 | Jacobia Contraction of the second sec | Lift. Class "A"<br>cu.ft. Class "A" perlit<br>i.ft. Class "A", 465 cu.<br>pozmix<br>eturns.<br>6-3/4" hole to 6970'.<br>roductive.<br>Rig Layout<br>ing & Fracing Hayout<br>JUN 2 7 1979<br>OL CON. COM.<br>DIST. 3<br>DIST. 3  |
| 14-3/4"9-3/4"6-3/4"1. Drill 14-3/2. Log B.O.P.3. Run test,4. Run logs asEXHIBITS ATTACH"A" Locat"B" The To"C" The B"D" The M"E" Acces"F" Radiu"G" DrillProduIN ABOVE SPACE DEBCENEEzone. If proposal is topreventer program. If al24.  | 10-3/4" new<br>7-5/8" new<br>5-1/2" new<br>5-1/2" new<br>/4" hole and se<br>checks daily a<br>if warranted, a<br>s needed, and p<br>HED:<br>ion and Elevati<br>en-Point Compli<br>lowout Prevente<br>ulti-Point Requ<br>s Roads into Lo<br>s Map of Field<br>Pad Layout, Cu<br>ction Facilitie<br>at FROPOBED PROCEAN: IN<br>o drill or deepen direction | 32.75# H-4<br>26.4# K-55<br>15.5# K-55<br>15.5# K-55<br>t 10-3/4" c<br>nd run 7-5/<br>erforate an<br>on Plat<br>ance Progra<br>er Diagram<br>direments for<br>ocation<br>at-Fill Cross<br>proposal is to deen<br>nally, give pertinent | asing to<br>3/4" hold<br>8" and 5-<br>ad stimula<br>am<br>or A.P.D.<br>as Section<br>left<br>epen or plug ban<br>or data on sub                     | 250'<br>3935'<br>5970'<br>250' with<br>250' with<br>25 | 1.280<br>105 cu<br>50-50<br>good re<br>Drill<br>ded.<br>Drill F<br>Acidizi   | .ft. Class "A"<br>cu.ft. Class "A" perlit<br>i.ft. Class "A", 465 cu.<br>pozmix<br>eturns.<br>6-3/4" hole to 6970'.<br>oductive.<br>Rig Layout<br>ing & Fracing Hayout<br>JUN 2 7 1979<br>OIL CON. COM.<br>DIST. 3<br>muntive Worke and problem new production<br>digned true vertical depths. Give blowood |
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\*See Instructions On Reverse Side

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STATE OF NEW MEXICO NERGY AND MINERALS DEPARTMENT

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## OIL CONSERVATION DIVISION

P. O. BOX 2088

ok Such Form C-107 Kevised 10-1-78

|                             |                                    |                                      |                                     |                       | s of the Section. | <u> </u>   | Well No.  |
|-----------------------------|------------------------------------|--------------------------------------|-------------------------------------|-----------------------|-------------------|--|---|
| erator                      |                                    |                                      | Leas                                |                       |                   |  |   |
| GETTY OIL (                 |                                    |                                      |                                     | MEXICO-FED            | County            |  |   |
| t Letter                    | Section<br>12                      | Township<br>31N                      |                                     | 13W                   |                   | an Juan  |   |
| P<br>ual Footage Loc        |                                    |                                      |                                     |                       |                   |  |   |
| 1025                        | feet from the                      | South                                | line and 1                          | 120                   | feet from the     | East   | line  |
| und Level Elev.             | Producing                          | Formation                            | Pool                                |                       |                   | D  | edicated Acreage:                               |
| 5854                        | Mesa                               | Verde                                | В                                   | lanco Mesa            | Verde-Basi        | n Dakota   | 320160 Acre                                     |
| 2. If more th<br>interest a | nan one lease<br>nd royalty).      |                                      | to the well, ou                     | tline each an         | d identify the o  | wnership the   | reof (both as to workir                         |
| dated by o                  | communitization                    | n, unitization, f<br>If answer is "y | force-pooling. (<br>es,' type of co | etc?<br>nsolidation _ |                   |  | ed. (Use reverse side                           |
| this form<br>No allowa      | if necessary.)_<br>ble will be ass | igned to the we                      | ell until all int                   | erests have h         | een consolidat    | ed (by comm  | unitization, unitization<br>pproved by the Comm |
|                             | 1                                  |                                      |                                     | 1                     |                   |  | CERTIFICATION                                   |
|                             | I                                  |                                      |                                     | l                     |                   | I berehv ce  | rtify that the information c                    |
|                             | 1                                  |                                      |                                     |                       |                   |  | in is true and complete to                      |
|                             | 1                                  |                                      |                                     | 1                     |                   |  | knowledge and belief.                           |
|                             |                                    |                                      |                                     |                       |                   | De Calle   | D Trancalade                                    |
|                             |                                    |                                      |                                     |                       | 1                 | 1 1 million  | Calloto   |
|                             | 1                                  |                                      |                                     | 1                     |                   | 14.00-4  |   |
|                             | <br><del> </del>                   |                                      |                                     |                       |                   | Name Ge  | orge Lapaseotes                                 |
|                             | +<br>1                             |                                      |                                     |                       |                   | Ge   | orge Lapaseotes<br>ce President                 |
|                             | +                                  |                                      |                                     |                       |                   | Ger<br>Position<br>Vi  |   |
|                             |                                    | Sec.                                 |                                     |                       | )                 | Position<br>Vi<br>Company<br>PO<br>Date  | ce President                                    |
|                             |                                    | Sec.                                 | 12                                  |                       | )                 | Ge<br>Position<br>Vi<br>Company<br>PO<br>Date<br>Au<br>I hereby<br>shown on<br>notes of<br>under my<br>is true a | ce President<br>wers Elevation                  |

## EXHIBIT "B"

### TEN-POINT COMPLIANCE PROGRAM

### OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C Getty Oil Company 1 EM Mexico - Federal M 1180' FSL & 930' FEL Sec. 12 T31N R13W San Juan County, New Mexico

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## 1. The Geologic Surface Formation

The surface formation is an unnamed shale.

## 2. Estimated Tops of Important Geologic Markers

| Pictured Cliffs | 2127'         |
|-----------------|---------------|
| Chacra          | 2920'         |
| Mesa Verde      | 3675'         |
| Mancos          | 4697'         |
| Gallup          | 5797'         |
| Greenhorn       | 6506'         |
| Dakota          | 6612'         |
| Total Depth:    | 6970 <b>'</b> |

# 3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

| 3675' | - | 4697'         | Gas |
|-------|---|---------------|-----|
| 6612' | - | 689 <b>7'</b> | Gas |

| 4.           | The Proposed ( | Casing Prog       | ram          |                           | New        |                |             |             |             |
|--------------|----------------|-------------------|--------------|---------------------------|------------|----------------|-------------|-------------|-------------|
| Hole<br>Size | Interval       | Section<br>Length | Size<br>(OD) | Weight, Grade<br>& Joint  | or<br>Used | Mud*<br>Weight | <u>SF</u> t | <u>SF</u> C | <u>SF</u> b |
| 14-3/4"      | 0 -250'        | 250'              | 10-3/4"      | 32.75#H-40 8<br>rnd. ST&C | New        | 8.6#           | 25.0        | 7.0         | 14.6        |
| 9-3/4"       | 0 -3935'       | 3935'             | 7-7/8"       | 26.4# K-55 8<br>rnd. ST&C | New        | 9.2#           | 3.2         | 1.4         | 1.4         |

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#### EXHIBIT "B" Page 2

| Hole<br>Siz <u>e</u> | Interval    | Section<br>Length | Size<br>(OD)      | Weight, Grade<br>& Joint | New<br>or<br><u>Used</u> | Mud*<br>Weight | <u>SF</u> t | SFc | <u>SF</u> b |
|----------------------|-------------|-------------------|-------------------|--------------------------|--------------------------|----------------|-------------|-----|-------------|
| 6-3/4"               | 3785'-6970' | 3185'             | 5 <sup>1</sup> 2" | 15.5 K-55 8<br>rnd. ST&C | New                      | air<br>mist    | 4.5         | 1.2 | 1.6         |

\*At casing setting

Cement Program

Surface - 10-3/4" - 280 cubic feet Class "A" with 2% CaCl<sub>2</sub>, ½#/sack cellophane.

Production - 7-5/8" - lead: 1280 cubic feet 1:1 Class "A" perlite, 4% gel.

tail: 105 cubic feet Class "A", ¼#/sack cellophane.

5½" - liner: 465 cubic feet, 50-50 Pozmix, 2% gel, 6¼#/sack gilsonite, 0.8% fluid loss agent, ¼#/sack cellophane.

## 5. The Operator's Minimum Specifications for Pressure Control

BOP will be a shaeffer rotating head or the equivalent. <u>EXHIBIT "C"</u> is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to the full working pressure after nippling up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include an upper and lower kelly cock, floor safety valve, and choke manifold with pressure rating equivalent to the BOP stack.

## 6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

| Internal   | Туре            | Weight/Gal. | Viscosity<br>(Sec.) | Water<br>Loss | Additives                         |
|------------|-----------------|-------------|---------------------|---------------|-----------------------------------|
| 0 -250'    | gel-water       | 8.4 - 8.6   | 33 - 38             | NC            | Lime                              |
| 250'-3935' | polymer<br>LSND | 8.6 - 9.2   | 30 - 35             | 15 cc         | Starch, polymer,<br>gel, soda ash |

## 7. The Auxiliary Equipment to be Used

- (a) A kelly cock will be kept in the string.
- (b) A float will be used at the bit.
- (c) The mud system will be monitored visually.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

## 8. The Testing, Logging and Coring Programs

- (a) No DST's will be run.
- (b) The logging program will consist of a DILL from 250' 3935', detail scale (5" to 100') from 2750' - 3935', Gamma Induction Log from 3935' - 6970', GR from 0 - 3935', Sidewall Neutron Porosity and Compensated Formation Density from 3935' - 6970'.
- (c) No coring is anticipated.
- (d) Completion Program: 1000 gallons 15% Hydrochloric acid, frac with 35,000 gallons treated water; 30,000# 20-40 sand, 40,000# 10-20 sand. See EXHIBIT "K".

# 9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 2000 psi.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

# 10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for July 1, 1979, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 12 days.





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#### EXHIBIT "D"

#### MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Attached to Form 9-331C Getty Oil Company 1EM Mexico-Federal M 1180'FSL & 930'FEL Sec. 12 T31N R13W San Juan County, New Mexico

## 1. Existing Roads

- A. The proposed well site and elevation plat is shown as EXHIBIT "A".
- B. The distance from La Plata, New Mexico is 3.4 miles. Proceed East on paved Highway #173 for 0.7 mile, thence Southeasterly on existing oil field road for 2.4 miles, thence East on new access road 0.3 mile to location, as shown on EXHIBIT "E".
- C. All roads to location are color-coded on EXHIBIT "E". A new access road 0.3 mile from the existing oil field road will be required, as shown on EXHIBIT "E".
- D. N/A
- E. This is a development well. All existing roads within a three-mile radius are shown on EXHIBIT "E".
- F. The existing roads need no improvement. Maintenance will be performed as required.

#### 2. Planned Access Roads

Map showing all necessary access roads to be constructed or reconstructed is shown as EXHIBIT "E" for the following:

- (1) The maximum width of the running surface of the 0.3 mile of access road as you leave the existing oil field road will be 18'.
- (2) The grade will be 8% (eight percent) or less.
- (3) No turn outs are planned.
- (4) Appropriate water bars will be constructed to assure drainage off location to conform with the natural drainage pattern.

- (5) No culverts are needed. No major cuts or fills are anticipated along access road during drilling operation.
- (6) Surfacing materials will be native soil.
- (7) No gates, cattle guards or fence cuts are needed.
- (8) The new access road to be built has been staked during the time of staking the location, and is centerline flagged as shown on EXHIBIT "E".

#### Location of Existing Wells

For all existing wells within one mile radius of development well, see EXHIBIT "F".

- (1) There are no water wells within a one mile radius of this location.
- (2) There are no abandoned wells in this one mile radius.
- (3) There are no temporarily abandoned wells.
- (4) There are no disposal wells.
- (5) There are no wells presently being drilled.
- (6) There are ten producing wells within this one mile radius.
- (7) There are no shut-in wells.
- (8) There are no injection wells.
- (9) There are no monitoring or observation wells for other uses.

## Location of Existing and/or Proposed Facilities

- A. Within one-mile radius of location, the following existing facilities are owned or controlled by lessee/operator:
  - (1) Tank Batteries: None
  - (2) Production Facilities: None
  - (3) Oil Gathering Lines: None
  - (4) Gas Gathering Lines: None
  - (5) Injection Lines: None
  - (6) Disposal Lines: None

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- B. If production is obtained, new facilities will be as follows:
  - Production facilities will be located on solid ground of cut area of drill pad, as shown on EXHIBIT "G".
  - (2) All well flow lines will be buried and will be on the well site and battery site.
  - (3) Facilities will be 300 feet long and 150 feet wide.
  - (4) All construction materials for battery site and pad will be obtained from site. No additional material from outside sources is anticipated.
  - (5) Any necessary pits will be fenced and flagged to protect livestock and wildlife.
- C. Rehabilitation, whether well is productive or dry, will be made on all unused areas in accordance with BLM stipulations.

#### 5. Location and Type of Water Source

- A. The source of water will be an irrigation ditch 1.5 miles West of the location, as shown on EXHIBIT "E".
- B. Water will be transported by truck over existing roadways.
- C. No water well is to be drilled on this lease.

## 6. <u>Construction Materials</u>

- A. No construction materials are needed for drilling and access roads into the drilling location unless production is obtained. The surface soil materials will be sufficient or will be provided by the Dirt Contractor as needed.
- B. No construction materials will be taken off Federal land.
- C. All surface soil materials for construction of access roads are sufficient.
- D. All major access roads presently exist as shown on EXHIBIT "E".

### 7. Handling of Waste Materials and Disposal

- (1) Drill cuttings will be buried in the reserve pit and covered.
- (2) Drilling fluids will be handled in the reserve pit.
- (3) Any fluids produced during drilling test or while making pro-

duction test will be collected in a test tank. If a test tank is not available during drilling, fluids will be handled in reserve pit. Any spills of oil, gas, salt waters or other noxious fluids will be cleaned up and removed.

- (4) Chemical facilities will be provided for human waste.
- (5) Garbage and non-flammable waste and salts and other chemicals produced during drilling or testing will be handled in trash pit. Flammable waste will be disposed of in burn pit. Drill fluids, water drilling mud and tailings will be kept in reserve pit, as shown on EXHIBIT "H". The trash and/or burn pit will be totally enclosed with small mesh wire to prevent wind scattering trash before being burned or buried. Reserve pit will be fenced on three sides and the fourth side fenced upon removal of the rig.
- (6) After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous open pit will be fenced during drilling and kept closed until such time as the pit is leveled.

8. Ancillary Facilities

No air strip, camp or other facilities will be built during drilling of this well.

#### 9. Well Site Layout

- (1) EXHIBIT "G" is the Drill Pad Layout as staked, with elevations by Kerr Land Surveying of Farmington, New Mexico. Cuts and fills have been drafted to visualize the planned cut across the locations spot and to the deepest part of the pad. Topsoil will be stockpiled per BLM specifications determined at time of pre-drill inspection.
- (2) EXHIBIT "H" is a plan diagram of the proposed rig and equipment, reserve pit, burn and trash pit, pipe racks and mud tanks. No permanent living facilities are planned. There will be a trailer on site.
- (3) EXHIBIT "G" is a diagram showing the proposed production facilities layout.
- (4) The reserve pits will not be lined. Steel mud tanks may be used during drilling operations.

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#### 10. Plans for Restoration

- (1) Backfilling, leveling and contouring are planned as soon as all pits have dried. Waste disposal and spoils materials will be buried or hauled away immediately after drilling is completed. If production is obtained, the unused area will be restored as soon as possible.
- (2) The soil banked material will be spread over the area. Revegetation will be accomplished by planting mixed grasses as per formula provided by the BLM. Revegetation is recommended for road area, as well as around drill pad.
- (3) Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock or wildlife from becoming entrapped; and the fencing will be maintained until leveling and cleanup is accomplished.
- (4) If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- (5) The rehabilitation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Planting and revegetation is considered best in Spring, 1980 unless requested otherwise.

#### 11. Other Information

- (1) The soil is a sandy-clay loam. No distinguishing geological features are present. The area is covered with cactus, sagebrush, cheat grass, native grass and Cedar trees. There are livestock and rabbits in the area. The topography is gently sloping Northwesterly.
- (2) The primary surface use is for grazing. The surface is owned by the U.S. Government.
- (3) The closest live water is an irrigation ditch 1.5 miles West of the location, as shown on EXHIBIT "E".

The closest occupied dwellings are farms located 1.5 miles West of the location, as shown on EXHIBIT "E".

There are no known archaeological, historical, or cultural heritages that will be distrubed by this drilling.

- (4) There are no reported restrictions or reservations noted on the oil and gas lease.
- (5) Drilling is planned for on or about July 1, 1979. Operations should be completed within 12 days.

#### 12. Lessee's or Operator's Representative

George Lapaseotes Agent Consultant for Getty Oil Company 600 South Cherry Street Suite 1201 Denver, Colorado 80222 (303) 321-2217

Dick Hergenreter Getty Oil Company Drawer 510 Farmington, New Mexico 87401 (505) 325-9682

#### Certification 13.

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 Getty Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

6-25-79 Date

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George Lapaseotes Agent Consultant for Getty Oil Company

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Getty Oil Company 1EM Mexico-Federal M 1180'FSL & 930'FEL Sec. 12 T31N R13W San Juan County, New Mexico



EXHIBIT "K"

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Fracing Program Layout

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| Form 9-331<br>(May 1963)                             | UNITED STATES<br>DEPARTMENT OF THE INT<br>GEOLOGICAL SURVE   | SUBMIT IN TRIPLICATE.<br>(Other instructions on re-<br>verse side)<br>Y   | Form approved.<br>Budget Bureau No. 42-R1424.<br>5. LEASE DESIGNATION AND SERIAL NO.<br>NM-080-280<br>6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
|--|--|---|--|
| SUN<br>(Do not use this                              | NDRY NOTICES AND REPOR<br>s form for proposals to drill or to deepen or<br>Use "APPLICATION FOR PERMIT-" for |   | N/A  |
| 1. GAS<br>WELL GAS<br>2. NAME OF OPERATOR            | OTHER  |   | N/A<br>8. FARM OR LEASE NAME   |
| Getty Oil Co<br>3. ADDRESS OF OPERATO<br>Drawer 510, |  | 7401  | Mexico-Federal M<br>9. Well NO.<br>#1  |
| See also space 17 be<br>At surface                   | (Report location clearly and in accordance will<br>clow.)<br>5'FSL & 1120'FEL                                | th any State requirements.  | Blanco Mesa Verde-Basin<br>11. SEC., T., R., M., OR BLK. AND<br>SUEVEY OR AREA   |
| 14. PERMIT NO.                                       | 15. ELEVATIONS (Show who<br>5854 ' GR  |   | Sec. 12 T31N R13W<br>12. COUNTY OR PARISH 13. STATE<br>San Juan New Mexico   |
| 16.  | Check Appropriate Box To India<br>NOTICE OF INTENTION TO:  | cate Nature of Notice, Report, or (<br>USEC   | UENT REPORT OF:  |
| proposed work.<br>nent to this work                  | MULTIPLE COMPLETE<br>ABANDON®<br>CHANGE PLANS XX   | pertinent details, and give pertinent data<br>ace locations and measured and true vertions and measured and true vertions and measured and true vertions are above-referenced locat | ion was moved.   |
| Attached pl  | lease find new location and  |   |  |

| Agent | Consultant for<br>Dil Company | DATE | August 1, 1979 |
|-------|-------------------------------|------|----------------|
|       |                               | DATE |                |

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18. I hereby certify that the foregoing is true and correct 10 ĽŠ SIGNED / TYCHING / CHEORIE / GEORGE / GEORGE / GEORGE / GEORGE SUBJECT STATE office use)

APPROVED BY \_\_\_\_\_\_ CONDITIONS OF APPROVAL, IF ANY:

mmar \*See Instructions on Reverse Side

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| DEPARTMENT OF T<br>GEOLOGICAL  | SURVEY   | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-080-280  |
|--|--|--|
| SUNDRY NOTICES AND<br>(Do not use this form for proposals to drill or to<br>Use "APPLICATION FOR PER   | REPORTS ON WELLS   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>N/A  |
| OIL GAS XX OTHER   |  | 7. UNIT AGREEMENT NAME<br>N/A<br>8. FARM OR LEASE NAME   |
| Getty Oil Company  |  | Mexico-Federal M   |
| Drawer 510, Farmington, New Me   | xico 87401   | #1   |
| LOCATION OF WELL (Report location clearly and in acc<br>See also space 17 below.)<br>At surface  |  | Blanco Mesa Verde-Basin<br><sup>11. SEC., T., R., M., OR BLK. AND</sup> Dakota                                 |
| 1180'FSL & 93  |  | Sec. 12 T31N R13W<br>12. COUNTY OR PARISH 13. STATE  |
| 14. PERMIT NO. 15. ELEVATION   | (Show whether DF, RT, GR, etc.)<br>5859'GR   | San Juan New Mexico  |
| 16. Check Appropriate Bo   | ox To Indicate Nature of Notice, Report, or  | Other Data<br>QUENT REPORT OF:   |
| NOTICE OF INTENTION TO:<br>TEST WATER SHUT-OFF PULL OR ALTER<br>FRACTURE TREAT MULTIPLE COMP<br>SHOUT OR ACIDIZE ABANDON*<br>REPAIR WELL CHANGE PLANS<br>(Other) | TLETE     FRACTURE TREATMENT       SHOOTING OR ACIDIZING       X       (Other)       Completion or Reconstruction or Reconstruction          | REPAIRING WELL ALTERING CASING ABANDONMENT* Its of multiple completion on Well appletion Report and Log form.) |
| 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clean proposed work. If well is directionally drilled, prent to this work.)* The estimated top of the Ojc         | rly state all pertinent details, and give pertinent dat<br>give subsurface locations and measured and true vert                              | · · · · · · · · · · · · · · · · · · ·  |
| The estimated top of the Ojo   | ply state all pertinent details, and give pertinent dat<br>give subsurface locations and measured and true vert<br>o Alamo Formation is 860' | · · · · · · · · · · · · · · · · · · ·  |
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| The estimated top of the Ojo   | orrect Agent Consultant for  | es, including estimated date of starting any<br>lical depths for all markers and zones perti-                  |
| 18. I hereby certify that the foregoing is true and en<br>SIGNED   | orrect Agent Consultant for  | es, including estimated date of starting any<br>lical depths for all markers and zones perti-                  |

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