Form 3160-3 (July 1992)

P. O. BOX 1900

HCTSS, NEW MEXICO 58240

SUBMIT IN TRIPL (Other instructio. reverse side) FORM APPROVED OMB NO. 1004-0136

Un IED STATES **DEPARTMENT OF THE INTERIOR**  Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

|  | BUREAU O  | E LAND MAN                                    | AGEMENT                        |                |                               | NMNM-62  |                      |  |
|--|---|---|--------------------------------|----------------|-------------------------------|--|----------------------|--|
| APP  | LICATION FOR  | PERMIT 1                                      | O DRILL OR                     | DEED           | EN                            | 6. IF INDIAN, ALLOTTEE N/A   | OR TRIBE NAME        |  |
| ia. TYPE OF WORK   | RILL X  | DEEPEN  |                                | DEEP           | EN                            | 7. UNIT AGREEMENT NA   | ME                   |  |
| b. TYPE OF WELL OIL WELL X   | GAS OTHER   | DEEPEN  | SINGLE X                       | MULTIP         | PLE                           | ARROWHEAD GRA  8. FARM OR LEASE NAM                                | YBURG UNIT           |  |
| 2. NAME OF OPERATOR  |   |   | ZONE                           | ZONE           |                               |  | i, neight.           |  |
| Chevron U.S.A. I  3. ADDRESS AND TELEPHON                            |   |   |                                |                |                               | 9. API WELL NO.  |                      |  |
|  | Midland, TX 79702   |   |                                | (015) 6        | 587-7148                      | 30-025.  | _3466                |  |
|  | port location clearly and in accor                        | dance with any State                          | requirements.*)                | (313) 6        | 007-7148                      | 10. FIELD AND POOL, OR   | WILDCAT              |  |
|  | & 1210' FWL UN  | IIT E   |                                |                |                               | ARROWHEAD; GRA'  |                      |  |
| At proposed prod. zone   |   |   |                                |                |                               | <ol> <li>SEC., T., R., M., OR BL<br/>AND SURVEY OR AREA</li> </ol> | .K.                  |  |
| 14. DISTANCE IN MILES AND  | DIRECTION FROM NEAREST TO                                 | WN OR POST OFFICE                             |                                | <del></del>    | _                             | SEC. 1, T22S,  |                      |  |
|  |   |   |                                |                |                               | 12. COUNTY OR PARISH<br>LEA  | 13. STATE            |  |
| 15. DISTANCE FROM PROPOS<br>LOCATION TO NEAREST                      |   |   | 16. NO. OF ACRES IN LEA        | SE             | 17. NO. OF A                  | ACRES ASSIGNED   | NM NM                |  |
| PROPERTY OR LEASE LIN<br>(Also to nearest drlg. uni                  | it line, if any) 1300°                                    |   |                                |                | TO THIS                       | well<br>40   |                      |  |
| 18. DISTANCE FROM PROPOS TO NEAREST WELL, DRILL OR APPLIENTON ON THE | LING COMPLETED  |   | 19. PROPOSED DEPTH             |                | 20. ROTARY                    | OR CABLE TOOLS   |                      |  |
| OR APPLIED FOR, ON THE   |   |   | 3890                           |                | ROTAL                         |  |                      |  |
| 3532   |   |   |                                |                |                               | 22. APPROX. DATE WOR   | K WILL START*        |  |
| 3.   |   | DECIDIOSED CACINI                             |                                |                |                               | 7/20/99  |                      |  |
| SIZE OF HOLE   | GRADE, SIZE OF CASING                                     |   | G AND CEMENTING PRO            | GRAM           |                               |  |                      |  |
| 11"  | 8-5/8"  | WEIGHT PER FOO<br>24#                         | SETTING D                      |                | CIDCIII                       | QUANTITY OF CEM  | ENT                  |  |
| 7-7/8"   | 5-1/2"  | 15.5#   | 3890                           |                | CIRCULA                       | ULATED   |                      |  |
| MUD PROGRAM:   | 0'- 500'<br>500'-3890'                                    |   | FER 8.4 PPG<br>FER 10.0 PPG    | I              |                               |  |                      |  |
| BOPE EQUIPMEN*  ******PLEASE E                                       |   |   | OPER. OC<br>PROPERI<br>POOL GO | FY NO.,        | 2571                          | 23   |                      |  |
| AROVE SPACE DESCRIBE   | E PROPOSED PROGRAM: Interest data on subsurface locations | f proposal is to deeps<br>and measured and tr | API NO. 3                      | 0-02           | 8-99<br>US-34<br>and proposed | new productive zone. If pr   | oposal is to drill o |  |
|  | $\Omega_1$ $\Omega$                                       |   | - Otto Dio                     | wout prevent   | er program, 1                 | t any.   |                      |  |
| SIGNED - C   | Riplay  | TIT   | <sub>LE</sub> REGULATORY OA    | <del></del>    |                               | DATE 7/14/99   |                      |  |
| (This space for Federal or   | State office use)   |   |                                |                |                               |  |                      |  |
| PERMIT NO.   |   |   | APPROVAL DATE                  |                |                               |  |                      |  |
| Application approval does not w                                      | arrant or certify that the applicant hold                 |   | APPRUVAL DATE                  | which would en | title the amilian             | to combat and it   |                      |  |
| CONDITIONS OF APPROVAL   | •   | Action  |                                |                |                               | to conduct operations thereon.                                     |                      |  |
|  | /S/LARRY D. BR  | 4   | Assistant Field Offi           | ce Mana        | ger.                          | JUL 26   | 1Q <b>QQ</b>         |  |
| APPROVED BY  |   | 5   | ands and Minerals              |                | D                             | 00L 2 0  | 1333                 |  |

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false.

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88241-1980

#### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD. Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

### OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

DISTRICT IV P.O. Box 2088, Santa Fe. NM 87504-2088

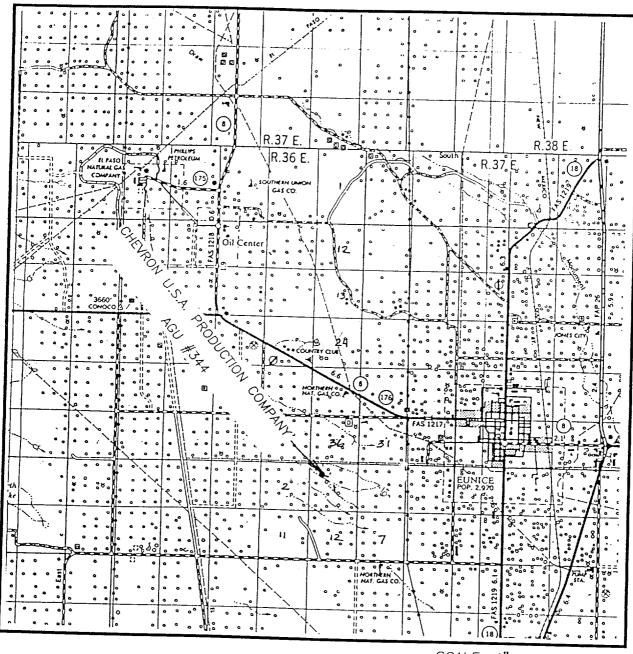
### WELL LOCATION AND ACREAGE DEDICATION PLAT

| <u> 30-0</u>    |           | 34665            |               | Pool Code<br>03040 |                              | ARR                       | Pool Name     | Duna.               |               |
|-----------------|-----------|------------------|---------------|--------------------|------------------------------|---------------------------|---------------|---------------------|---------------|
| Property 25     | 71        |                  |               |                    | Property Nan<br>AGU          | Qe .                      | CHILAD, GRAI  | Well Nur            |               |
| ogrid n<br>4323 | o.        |                  | CI            | HEVRON             | Operator Nam<br>U.S.A. PRODU | CTION COMPAN              | Υ             | Elevation 3532      | <br>on        |
|                 |           | <del>_</del>     |               |                    | Surface Loc                  | ation                     |               |                     |               |
| UL or lot No.   | Section 1 | Township<br>22 S | Range<br>36 E | Lot Idn            | Feet from the                | North/South line<br>NORTH | Feet from the | East/West line WEST | county<br>LEA |
|                 |           |                  | Bottom        | Hole Loc           | cation If Diffe              | rent From Sur             | face          |                     |               |
| UL or lot No.   | Section   | Township         | Range         | Lot Idn            | Feet from the                | North/South line          | Feet from the | East/West line      | County        |
| Dedicated Acres | Joint o   | r Infill Cor     | solidation (  | ode Ord            | ler No.                      |                           |               |                     |               |
| 40              |           |                  |               |                    |                              |                           |               |                     |               |
| NO ALLO         | WABLE W   | ILL BE AS        | SIGNED T      | O THIS (           | COMPLETION U                 | NTIL ALL INTER            | ESTS HAVE BE  | EN CONSOLIDA        | TED           |

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signifure  J. K. RIPLEY  Printed Name  REGULATORY O.A.  Title  7/15/99  Date   | I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature  J. K. RIPLEY  Printed Name  REGULATORY O.A.  Title  7/15/99 |  | DEEN ATROVED BY THE DIVISION   |
|--|--|--|--|
| SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief.  JULY 7, 1999  Date Supervison and Surveys | METO 2   |  | I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature  J. K. RIPLEY  Printed Name  REGULATORY O.A.  Title  7/15/99  Date  SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison and that the same is true and correct to the best of my belief.  JULY  7, 1999  Dete Surveys and Surveys Sur |

## VICINITY MAP



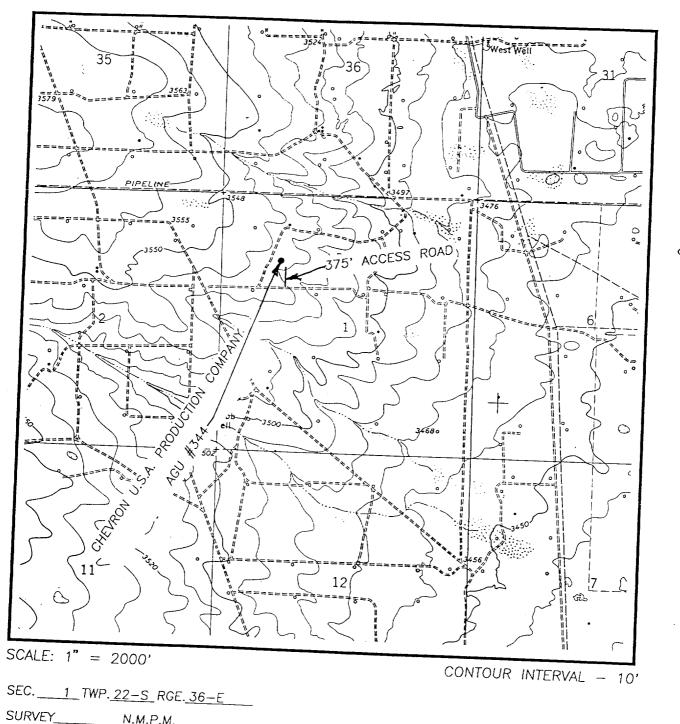
SCALE: 1" = 2 MILES

| SEC. 1 TWP. 22    | <u>–S</u> RGE. | . <u>36-E</u> |         |
|-------------------|----------------|---------------|---------|
| SURVEYN           | .м.Р.м.        |               |         |
| COUNTY            |                |               |         |
| DESCRIPTION 1334' |                |               |         |
| ELEVATION         |                |               |         |
| OPERATOR CHEVRON  | U.S.A.         | PRODUCTION    | COMPANY |
| LEASE             | AG             | U #344        |         |

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



# LOCATION VERIFICATION MAP



SEC. \_\_\_1\_TWP.\_22-S\_RGE.\_36-E

SURVEY\_\_\_\_\_\_N.M.P.M.

COUNTY\_\_\_\_\_LEA

DESCRIPTION\_1334' FNL & 1210' FWL

ELEVATION\_\_\_\_\_\_3532'

OPERATOR CHEVRON U.S.A. PRODUCTION COMPANY

LEASE\_\_\_\_\_\_\_AGU #344

U.S.G.S. TOPOGRAPHIC MAP

EUNICE, N.M.

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

#### **DRILLING PROGRAM**

Attached to Form 3160-3 Chevron U.S.A. Inc. Arrowhead Grayburg Unit #344 1334' FNL & 1300' FWL Section 1, T22S, R36E Lea County, New Mexico

#### 1. <u>Geological Name of Surface Formation:</u>

Aeolian

#### 2. <u>Estimated Tops Of Important Geological Markers:</u>

| Rustler  | 1181' |
|----------|-------|
| T/Salt   | 1278' |
| B/Salt   | 2513' |
| Queen    | 3370' |
| Grayburg | 3665' |
|          |       |

#### 3. <u>Protection of Zones:</u>

The fresh water sands will be protected by setting 8 5/8" casing at 500' and circulating cement to surface. The oil and gas zones will be protected with 5 1/2" casing to total depth and circulating cement to surface.

#### 4. <u>Casing Program:</u>

| Hole Size | <u>Interval</u> | Csg OD | Weight, Grade, Type |
|-----------|-----------------|--------|---------------------|
| 11"       | 0- 500'         | 8 5/8" | 24#, K-55, ST&C     |
| 7 7/8"    | 0-3890'         | 5 1/2" | 15.5#, K-55, LT&C   |

#### Cement Program:

8 5/8" Surface Casing: (11" hole)

Cemented to surface using Class "C" + 4% Gel + 3% salt, followed by Class

"C" + 2% CaCl2.

5 1/2" Production Casing (7 7/8" hole)

Cemented to surface using Class "C" + 4% Gel + Additives, followed by Class "C" + additives.

The above cement slurries will be designed using caliper logs to circulate cement to surface.

#### 5. <u>Minimum Specifications for Pressure Control:</u>

The blowout preventor equipment (BOP) shown in attachment will consist of a (2M system) double ram type (2000 psi WP) preventor. The unit will be hydraulically operated and equipped with blind and pipe type rams. BOP's will will be installed on the 8 5/8" surface casing and will be utilized continuously until total depth is reach and production casing is in place and cemented. All BOP's and associated equipment will be tested to 1000 psi before drilling out 8 5/8" casing shoe.

Pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These function tests will be documented on the daily drillers log. A 2" kill line and 2" choke line will be incorporated in the drilling spool below the ram-type BOP. Other BOP equipment will include a kelly cock, floor safety valve, choke lines and choke manifold having 2000 psi WP rating.

#### 6. Types and Characteristics of Proposed Mud System:

The well will be drilled to a total depth using fresh water and brine water mud systems.

| <u>DEPTH</u> | TYPE        | <u>WEIGHT</u> | <u>VISCOSITY</u> | WATER LOSS |
|--------------|-------------|---------------|------------------|------------|
| 0'-500'      | Fresh Water | 8.4           | 34-36            | No control |
| 500'-TD      | Brine Water | 10.0          | 28               | No Control |

- 7. A. A kelly cock will be in the drill string at all times.
  - B. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
  - C. No H2S will be encountered in this well.

#### 8. Logging, Testing and Coring Program:

- A. No DST's are planned.
- B. The open hole logging program will be: Comp. Neutron / Spectral Lithodensity/ GR/ CAL/ DLL/ MSFL/ BHC SONIC

#### C. Cores will be taken 3665'-TD.

#### 9. <u>Abnormal Pressures, Temperature and Potential Hazards:</u>

No abnormal pressures or temperatures are foreseen. No hydrogen sulfide gas has been reported or is known to exist at these depths in this area. No major loss circulation intervals have been encountered in adjacent wells.

#### 10. Anticipated Starting Date and Duration of Operations:

Road and location preparation will not be undertaken until approval has been received from the BLM. The anticipated spud date is approximately June 24, `1999. The drilling operations should require approximately 12 days. If the well is deemed productive, completion operations will require, at minimum, an additional 30 days of testing to ascertain whether permanent production facilities will be constructed.

#### **SURFACE USE AND OPERATING PLAN**

Attachment to Form 3160-3 Chevron U.S.A. Inc. Arrowhead Grayburg Unit #344 1334' FNL & 1300' FWL Section 1, T22S, R36E Lea County, New Mexico

#### 1. Existing Roads:

- A. The well site and elevation plat for the proposed Arrowhead Grayburg Unit #344 is attached. The well site was staked by Ronald J. Eidson on April 28, 1999.
- B. Directions to location: Take Hwy 8-176 west out of Eunice, NM for 1.8 miles. Exit west onto Dump Ground Road. Go 1.4 miles and turn south on lease road. Go 1.3 miles and turn west on lease road. Go .1 mile and turn north on lease road. Proceed .I mile to well location.

#### 2. Proposed access Road:

- A. The maximum width of the road will be fifteen (15) feet.
- B. It will be crowned and made of 6 inches of rolled and compacted caliche. Water will be deflected, as necessary, to avoid accumulation and prevent surface erosion.
- C. Surface material will be native caliche. The material will be obtained from a BLM approved pit nearest in proximity to the location or from existing caliche under the location.
- D. No cattle guards, grates or fence cuts will be necessary.
- E. No turnouts are planned.

#### Location of Existing and/or Proposed facilities:

If the well is productive, it will be tied in to an existing battery. A sundry notice will be sent to the BLM upon results of the completion. If the well is productive, rehabilitation plans are as follows:

- 1. The reserve pit will be back-filled after the contents of the pit are dry (within 120 days after completion, weather permitting).
- 2. Caliche from unused portions of the drill pad will be removed. The original topsoil from the well site will be returned to the location. The drill site will then be contoured to the original natural state.

#### Location and Type of Water Supply:

The Arrowhead Grayburg Unit #344 will be drilled using a combination of Brine and Fresh water mud systems (outlined in the Drilling Program). The water will be obtained from commercial water stations in the area and hauled to the location by transport truck. Additionally, produced salt water from the lease gathering tanks may be used. No water well will be drilled on the location.

#### 5. Source of Construction Materials:

All caliche utilized for the drilling pad and proposed access road will be obtained from an existing BLM approved pit or from prevailing deposits found under the location. All roads will be constructed of 6" rolled and compacted caliche.

#### 6. <u>Methods of Handling Water Disposal:</u>

- A. Drill cuttings will be disposed into the reserve pit.
- B. Drilling Fluids will be contained in steel mud tanks. The reserve pit will contain excess drilling fluids or fluid from the well during drilling, cementing, and completion operations. The reserve pit will be earthen pit roughly 125' x 125' x 6', or smaller, in size.
- C. The reserve pit will be fenced on three sides throughout drilling operations and will be totally isolated upon removal of the rotary rig. The pit will be lined using 6 mil plastic to minimize loss of drilling fluids and saturation of the ground with brine water used to drill from 1200' 3890'.
- D. Water produced from the well during completion operations will be disposed into steel tanks or the reserve pit, if volumes prove excess. After placing the well on production through the production facilities, all water will be collected in tanks. Produced oil will be separated into steel stock tanks until sold.
- E. A portable chemical toilet will be available on location for human waste during drilling operations.
- F. Garbage, trash and waste paper produced during drilling operations will be collected in a container trailer and disposed at an approved landfill. All waste material will be contained to prevent scattering by the wind. All water, fluids, salt or other chemicals will be disposed in the reserve pit. No toxic waste or hazardous chemicals will be generated by this operation.

G. All waste material will be removed within 30 days after the well is either completed or abandoned. The reserve pit will be completely fenced until it has dried. At the point the reserve pit is found sufficiently dry, it will be backfilled and reclaimed as outlined by the BLM specifications. Only the portion of the drilling pad used by production equipment (pumping unit and tank battery) will remain in use. If the well is deemed non-commercial, only a dry hole marker will remain.

#### 7. Ancillary Facilities:

No campsite or other facilities will be constructed as a result of this well.

#### 8. Well Site Layout:

- A. The drill pad is shown on Attachment. Approximate dimensions of the pad, the pits and the general location of the rig equipment are displayed. Top soil will be stored adjacent to the pad until reclamation efforts are undertaken. Only modest cuts will be necessary to build the pad which will be covered with 6" of compacted caliche.
- B. No permanent living facilities are planned, but temporary trailers for the tool pusher, drilling foreman and mud logger may be on location throughout drilling operations.
- C. The reserve pit will be lined using plastic sheeting of 6 mil thickness.

#### 9. Plans for Restoration of Surface:

- A. If after concluding the drilling and/or completion operations, the well is found non-commercial, the caliche will be removed from the pad and transported to the original caliche pit or used for other drilling locations. The road will be reclaimed as directed by the BLM. The reserve pit area will be broken out and leveled after drying to a condition where these efforts are feasible. The original top soil will again be returned to the pad and contoured, as close as possible, to the original topography.
- B. The pit lining will be buried or hauled away in order to return the location and road to the pristine nature. All pits will be filled and location leveled, weather permitting, within 120 days after abandonment.
- C. The location and road will be rehabilitated as recommended by the BLM.
- D. The reserve pit will be fenced on three sides throughout drilling operations. After the rotary rig is removed, the reserve pit will be fenced on the fourth side to preclude endangering wildlife. The fencing will be in place until the pit is reclaimed.

E. If the well is deemed commercially productive, the reserve pit will be restored as described on 10 (A) within 120 days subsequent to the completion date. Caliche from the area of the pad site not required for operations will be reclaimed. The original top soil will be returned to the area of the drill pad not necessary to operate the well. These unused areas of the drill pad will be contoured, as close as possible, to match the original topography.

#### 10. Surface Ownership:

The Well site is owned by the Bureau of Land Management.

Road routes have been approved and the surface location will be restored as directed by the BLM.

- 11. Refer to archaeological report performed by Agency for Conservation Archaeology-Eastern New Mexico University (No. F91-115) for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
- 12. <u>Lessee's or Operator's Representative:</u>

Richard Gemmill

Chevron U.S.A. Inc. P.O. Box 1150 Midland, Texas 79702

Phone: (915)687-7896

#### **Certification:**

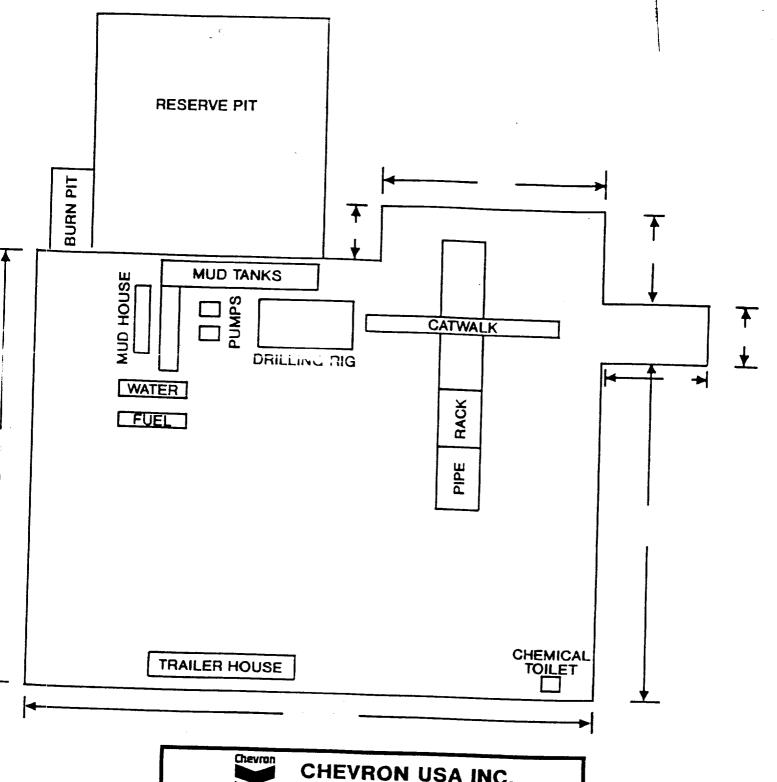
I hereby certify that I, or a Chevron representative, have inspected the proposed drill site and access road; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chevron U.S.A. Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

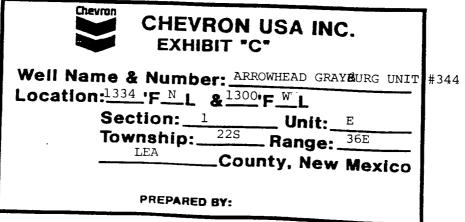
Date: 6/16/99

Signed: J. K. Ripley

J. K. Ripley

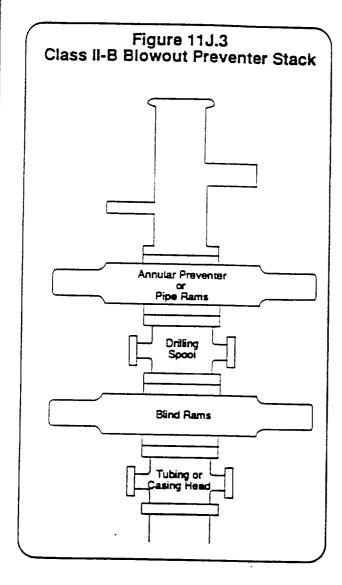
**Attachments** 





# CHEVRON DRILLING REFERENCE SERIES VOLUME ELEVEN WELL CONTROL AND BLOWOUT PREVENTION

#### D. CLASS II-B BLOWOUT PREVENTER STACK:



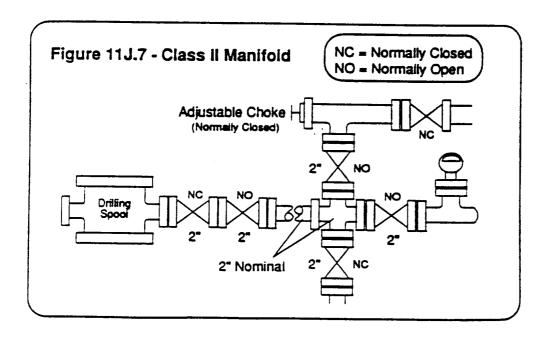
The Class II-B preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a drilling spool, and a single blind ram preventer on bottom. In an alternate configuration, a single pipe ram preventer may be substituted for the annular preventer. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". An emergency kill line may be installed on the wellhead. As the maximum anticipated surface pressure of this stack is less than 2000 psi, screwed connections may be used. All components must be of steel construction. The Class II-B blowout preventer stack is shown to the left in Figure 11J.3.

# CHEVRONDRILLING REFERENCE SERIES VOLUME ELEVEN WELL CONTROL AND BLOWOUT PREVENTION

#### C. CLASS II CHOKE MANIFOLD

The Class II choke manifold is suitable for all Class Ii workovers and drilling operations. The Class II choke manifold is shown below in Figure 11J.7. Specific design features of the Class II choke manifold include:

- 1. The manifold is attached to the tubing/casing head when a Class II-A preventer stack is use. This hook-up is only recommended for Class II workover operations.
- 2. The manifold is attached to a drilling spool or top ram preventer side outlets when a Class II-B preventer stack is in use.
- 3. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
- 4. Includes two steel gate valves in the choke line at the wellhead/drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).
- 5. Includes one manually adjustable choke which is installed on the side of the manifold cross. Steel isolation gate valves are installed between the choke and the cross, and downstream of the choke.
- 6. Includes one bleed line installed on the side of the manifold cross which is isolated by a steel gate valve.
- 7. Includes a pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.
- 8. Screwed connections may be used in lieu of flanges or clamps.



#### H2S DRILLING OPERATIONS PLAN

#### L HYDROGEN SULFIDE TRAINING

All contractors and subcontractors employed by Chevron U.S.A. Inc. will receive or have received training from a qualified instructor within the last twelve months in the following areas prior to commencing drilling operations on this well.

- 1. The hazards and characteristics of hydrogen sulfide (H2S)
- Safety precautions
- 3. Operations of safety equipment and life support systems

In addition. Chevron supervisory personnel will be trained or prepared in the following areas:

- 1. The effect of H2S on metal components in the system. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- Corrective action and shut-down procedures when drilling or working a well, blowout prevention and well control procedures, if the nature of work performed involves these items.
- 3. The contents and requirements of the contingency plan when such plan is required.

All personnel will be required to carry documentation of the above training on their person.

#### II. H2S EQUIPMENT AND SYSTEMS

#### 1. Safety Equipment

The following safety equipment will be on location.

- A. Wind direction indicators as seen in attached diagram.
- B. Automatic H2S detection alarm equipment (both audio and visual).
- C. "Clearly visible warning signs as seen on the attached diagram. Signs will use the words "POISON GAS" and "CAUTION" with a strong color contrast.
- D. Protective preathing equipment will be located in the dog house and at the briefing areas as seen in the attached diagram.

#### Well Control Systems

- A. Blowout Prevention Equipment
   Equipment includes but is not limited to:
  - a. pipe rams to accommodate all pipe sizes
  - b. blind rams
  - c. choke manifold
  - d. closing unit

Auxiliary equipment added as appropriate includes:

| a.        | annular preventor                | NA  |
|-----------|----------------------------------|-----|
| <b>b.</b> | rotating head                    | NA_ |
| C.        | mud-gas separator                | NA_ |
| đ.        | flare line and means of ignition | NA  |
| e.        | remote operated choke            | NA_ |

#### B. Communication

The rig contractor will be required to have a two-way communication capability. Chevron U.S.A. Inc. will have either land-line or mobile telephone capabilities.

#### C. Mud Program

The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers when appropriate will minimize hazards when penetrating H2S bearing formations.

D. No Drill Stem Tests are planned.

#### III. WELL SITE DIAGRAM

A complete well site diagram including the following information is attached.

- 1. Rig orientation
- 2. Briefing areas
- Ingress and egress
- 4. Pits and flare lines
- 5. Caution and danger signs
- 5. Wind indicators and prevailing wind direction

ABOVE DATE DOSS
INDICATE WHEN
COUPIDENTIAL LOSS
COUPIDENTIAL LOSS
WILL BE RELEASED

in 0 1 22