

Drawer 600
Farmington, New Mexico 87401

December 3, 1981

Tenneco Oil Company
P.O. Box 3249
Englewood, Colorado 80155

Gentlemen:

Enclosed are your Applications for Permit to Drill (APDs) well No. 1A Blanco Com 1, SW4SE4, sec. 2, T. 30 N., R. 11 W., and well No. 24 Vandewart Com, NW4SE4, sec. 13, T. 29 N., R. 8 W., both in San Juan County, New Mexico, lease Santa Fe 078144 and lease Santa Fe 078502 respectively.

The subject APDs are hereby rescinded and returned due to drilling operations not being commenced within one year of the approval date. The request for extensions are hereby returned with no action taken due to the late filing. Request for extensions in the future are due before the APD expires.

You are required to request surface rehabilitation instructions from this office if construction activities occurred on the referenced drill sites.

Sincerely yours,

(Type name) RAYMOND W. VINYARD

Raymond W. Vinyard
Acting District Oil and Gas Supervisor

Enclosures

cc: SCR, MS-410
DRO 9-1
Well file (2 rescinded)
BLM, Farmington
NMOCC
Chron

SMason:je
#0539

F

10-23-80

10-23-80

F. Loc. 1120/S;950/E

Elev. 5063 BL

Spd.

Comp.

TD

PB

Casing S. @ W Sx.

Int.

@

W

Sx.

Pr.

@

W

Sx.

T.

@

Csg.Perf.

Prod. Stim.

T
R
A
N
S

I.P. BO/D MCF/D After Hrs. SICP PSI After Days GOR Grav. 1st Del. s

TOPS

NITD

X

Well Log

TEST DATA

Kirtland

C-103

Plat

X

Schd.

PC

Q

PW

PD

D

Ref.No.

Fruitland

C-104

Electric Log

Pictured Cliffs

C-122

Cliff House

Ditr

Dfa

Menefee

Datr

Doc

Point Lookout

Mancos

Gallup

Sanostee

Greenhorn

Dakota

Morrison

Entrada

E/320.30

P
o
o

Blanco MV

Co. SJ S 2

T 30N R1W

UP Oper.

Tenneco Oil Co.

Blanco Com 1

No. 1

Blanco Com 1

P-2-30N-11W

Tenneco Oil Co.

F. Loc. 1120/S;950/E Elev. 5463 GL Spd. _____ Comp. _____ TD _____ PB _____
Casing S. _____ @ _____ W _____ Sx. Int. _____ @ _____ W _____ Sx. Pr. _____ @ _____ W _____ Sx. T. _____ @ _____
Csg. Perf. _____ Prod. Stim. _____

I.P. _____ BO/D _____ MCF/D After _____ Hrs. SICP _____ PSI After _____ Days GOR _____ Grav. _____ Ist Del. _____ s

| TOPS | | NITD | Well Log | TEST DATA | | | | | | |
|-----------------|--|----------|--------------|-----------|----|---|----|----|---|---------|
| Kirtland | | C-103 | Plat | Schd. | PC | Q | PW | PD | D | Ref.No. |
| Fruitland | | C-104 | Electric Log | | | | | | | |
| Pictured Cliffs | | | C-122 | | | | | | | |
| Cliff House | | Ditr | Dfa | | | | | | | |
| Menefee | | Datr | Dac | | | | | | | |
| Point Lookout | | E/320.30 | | | | | | | | |
| Mancos | | | | | | | | | | |
| Gallup | | | | | | | | | | |
| Sanostee | | | | | | | | | | |
| Greenhorn | | | | | | | | | | |
| Dakota | | | | | | | | | | |
| Morrison | | | | | | | | | | |
| Entrada | | | | | | | | | | |

Bas Dak Co. S T SON R U Oper. Lse. Bland Co. No

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
TENNECO

3. ADDRESS OF OPERATOR
Box 3249 Englewood, Colorado 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1120' FSL 950' FEL "P"
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: |
|------------------------------|--------------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) change of lease name | | |

5. LEASE

SF-078144

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

~~Williams Com~~ Blanco Com #1A

9. WELL NO.

#1A

10. FIELD OR WILDCAT NAME

Basin Dakota/Blanco Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 2, T30N, R11W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5863' gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10/30/80 Tenneco has changed the name of the above referenced well from "Williams Com #1" to Blanco Com 1-1A.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles W. Hatcher TITLE ASst. Div. Adm. Mgr DATE November 4, 1980

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

NMOCC

*See Instructions on Reverse Side

BW

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

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

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

720 So. Colorado Blvd., Denver, Colorado 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1120 FSL 950 FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

2 miles NE of Aztec

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

950'

16. NO. OF ACRES IN LEASE

? 80.33 742.03

17. NO. OF ACRES ASSIGNED

TO THIS WELL

E/320.1830

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7070'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5863 GR

22. APPROX. DATE WORK WILL START*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

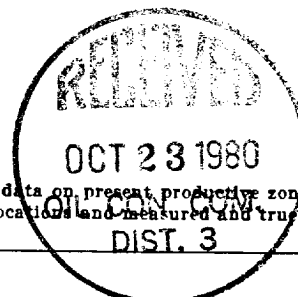
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|------------------------|
| 12 1/4" | 9 5/8" new | 36# | ±250' | Circulate to surface |
| 8 3/4" | 7" new | 23# | ±4000' | Circulate to surface |
| 6 1/4" | 4 1/2" new | 10.5#, 11.6# | ±7070' | Circulate to liner top |

DRILLING OPERATIONS AND PRODUCTION
SUBJECT TO THE FOLLOWING CONDITIONS:

"GENERAL" See attached.

This order is subject to the provisions of the
appeal procedure in 42 CFR 100.

The gas is dedicated.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNATURE M.L. FreemanTITLE Staff Production AnalystDATE September 5, 1980

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-7

All distances must be from the outer boundaries of the Section

| | | | | | |
|---|---|------------------------|---|---------------------------|---|
| Operator TENNECO OIL COMPANY | | | Lease <i>Blanco Williams</i> Com <i>1</i> | | Well No. <i>1A</i> |
| Unit Letter P | Section 2 | Township 30N | Range 11W | County San Juan | |
| Actual Footage Location of Well: 1120 feet from the South line and 950 feet from the East line | | | | | |
| Ground Level Elev. 5863 | Producing Formation Mesa Verde/Dakota | | Pool Blanco Mesa Verde/Basin Dakota | | Dedicated Acreage: 320.33 Acres |

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

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization.

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

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

| | | | |
|--|--|---|---|
| | Tract 1 39.67 ac Kd - Southland Royalty - 100% KMV - same SF-078198 | Tract 2 40.18 ac Kd-Phillips-100% KMV-NW.Pipeline 100% B-10796 (St.) | CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name M. L. Freeman Position Staff Production Analyst Company Tenneco Oil Company Date September 5, 1980 |
| | Tract 3 40.0 ac Kd-Tenneco-100% KMV-Same E-7123 (St.) | Tract 4 40.0 ac Kd-TOC-100% KMV-Same E-53 (St.) | |
| | Tract 6 2 80.0 ac Kd-TOC-100% KMV-Same | Tract 6 80.33 ac Kd-HuskyOil 3/8 DepcoInc. 3/8 MurphyOil 3/8 KMV-El Paso Nat. Gas Co. 100% 950' 1120' SF-078144 | |
| | Date Surveyed October 31, 1979 Registered Professional Engineer and/or Land Surveyor Fred B. Kest, Jr. Certificate No. 3950 | | |

INTERNATIONAL OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

DRILLING PROCEDURE

DATE: September 3, 1980 (Revision I)

LEASE: Williams Com

WELL NO.: 1

LOCATION: 1120 FSL 950 FEL
Section 2, T30N, R11W
San Juan County, New Mexico


FIELD: Basin Dakota

ELEVATION: GL surveyed 5863

TOTAL DEPTH: 7070

PROJECTED HORIZON: Mesaverde/Dakota Dual

SUBMITTED BY: D. J. Kardash DATE: September 3, 1980

APPROVED BY:  DATE: 9/4/80

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

Surface - Nacimiento

| | | |
|-----------------|------|---------|
| Ojo | 1015 | (water) |
| Fruitland | | |
| Pictured Cliffs | 2465 | (gas) |
| Lewis | | (shale) |
| Cliff House | 4065 | (gas) |
| Menefee | 4245 | (gas) |
| Point Lookout | 4725 | (gas) |
| Mancos | 5100 | (shale) |
| Gallup | | (oil) |
| Greenhorn | 6695 | |
| Dakota | 6810 | |
| T.D. | 7070 | |

DRILLING, CASING, AND CEMENT PROGRAM

1. MIRURT
2. Drill a 12¼" hole to \pm 250'
3. RU and run 9 5/8", 36#, K-55, STC casing.
4. Cement with sufficient volume to circ cement to surface using CaCl_2 as an accelerator.
5. WOC a minimum of 12 hours. Nipple up BOP's, manifold and lines. Pressure test blinds, lines and casing to 1000 PSI for 30 minutes. GIH with drill pipe and test pipe rams to 1000 PSI for 30 minutes. Record all tests on IADC Report Sheet. Drill out.
6. Drill an 8 3/4 hole to \pm 5400' or 250' into the Mancos Shale. Treat mud system for possible lost circulation in the Mesaverde.
7. Log open hole as directed by GE Department.
8. RU and run 7", 23#, K-55, STC to TD, with DV tool at \pm 4000'. Use cement baskets through out the MV.
9. Cement the first stage with "Lite" tailed by 150 sx Class B + 2% CaCl_2 in sufficient quantity to raise cement to stage tool. Circulate 4 hours² through DV and WOC. Cement 2nd stage with "Lite" in sufficient volume to raise cement to surface.
10. WOC 18 hrs. Set slips and cut off casing. NU BOP's and pressure test. Record tests on IADC Report Sheet. PU 3½ drilling assembly, 6¼ Bit.
11. Drill to within 5' of shoe. Displace water with nitrogen, nitrogen with gas. Drill a few feet of hole and blow hole until dusting. Drill with gas to TD.

12. Log open hole as GE Department directs.
13. If productive, run 4½ 10.5# and 11.6# casing as a liner to TD. Have 150' of overlap in the 7" casing. Make sure this doesn't interfere with the Mesaverde bottom perforations.
14. Cement with sufficient quantity to circulate cement to the liner top.
15. Circulate cut excess cement and LDDP.
16. Install tree and fence reserve pit.
17. If non-productive, P and A as USGS requires.

CASING PROGRAM

| <u>Interval</u> | <u>Footage</u> | <u>Size</u> | <u>Weight</u> | <u>Grade</u> |
|-----------------|----------------|-------------|---------------|--------------|
| 0-250 | 250 | 9 5/8 | 36# | K-55 STC |
| 0-5400 | 5400 | 7 | 23# | K-55 STC |
| 5250-7000 | 1750 | 4 1/2 | 10.5# | K-55 STC |
| 7000-7070 | 70 | 4 1/2 | 11.6# | K-55 STC |

MUD PROGRAM

- 0-250 Native solids. Have sufficient viscosity to clean hole and run casing.
- 250-5400 Benex and water. Pretreat for lost circulation at the Cliffhouse formation to 5400'. Have sufficient viscosity to run casing.
- 5400-TD Gas.

EVALUATION

Cores and DST's:

No cores or DST's are anticipated.

Deviation Surveys:

1. Survey surface every 100'. Maximum allowable deviation at surface is 1°.
2. From surface to T.D., surveys must be taken every 500', or each trip, whichever is first. This may entail running the TOTCO on wireline. Record surveys on IADC Drilling Report. Maximum allowable change is 1° per 100'.

Samples: None.

Logs: GR - IND TD to surface

1. Comp neutron - density TD to 2000' above TD.
2. SP-GR-IND-SN TD to surface
GR-FDC-CNL-CAL TD to Intd. csg.

BLOWOUT EQUIPMENT

11" - 3000 BOP with rotating head to comply with TOC requirements as shown in BOE arrangement, Figure C. Preventers must be checked for operation every 24 hours with each check recorded on the IADC Report Sheet.

REPORTS

Drilling reports for the past 24 hours will include depth, footage, time distribution, activity breakdown, mud properties, bit record, bottom hole assembly, daily and cumulative mud costs, plus any other pertinent information, will be called into Tenneco Oil Company, Denver, Colorado, between 7:30 a.m. and 8:00 a.m.

1. 303-758-7130 (Office) Don Barnes
303-758-7287 (Office) Don Barnes' private line, Monday-Friday (before 7:45 a.m.)
303-936-0704 (Home) Don Barnes, weekends and holidays.
2. John Owen (Home) 303-795-0221

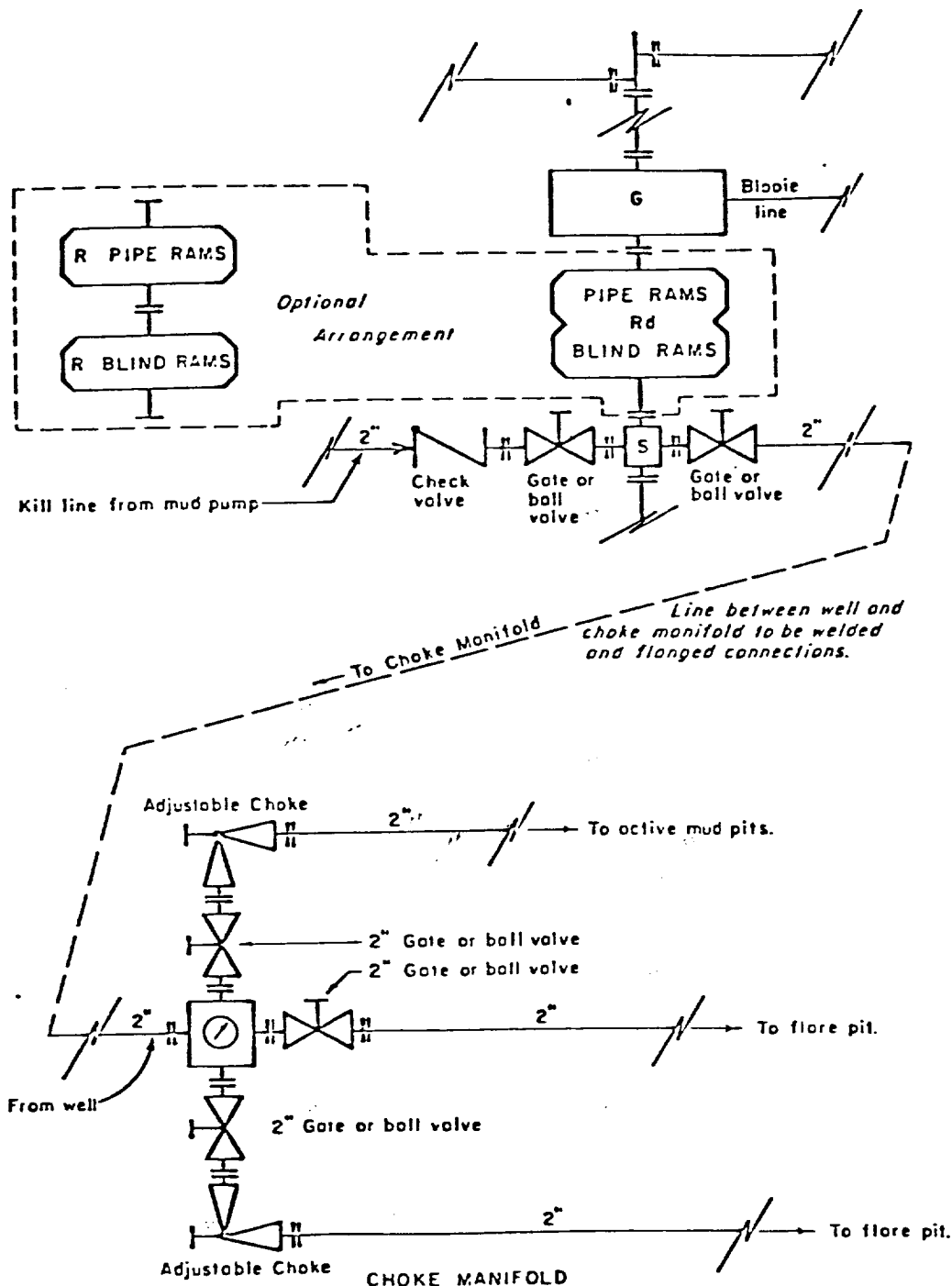
The yellow sheet of the IADC Report is to be filled out completely. The original copy of the drilling time recorder, and copies of any invoices from this well, signed and received for Tenneco Oil Company, will be mailed daily to:

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

ATTENTION: Drilling Department

IN CASE OF EMERGENCY, NOTIFY THE FOLLOWING:

1. Mr. Don Barnes, Division Drilling Engineer.
2. Mr. John W. Owen, Project Drilling Engineer.
3. Mr. Mike Lacey, Division Production Manager (Home 303-979-0509).



All equipment to be 3,000 psi working pressure except as noted.

- Rd Double ram type preventer with two sets of rams.
- R Single ram type preventer with one set of rams.
- S Drilling spool with side outlet connections for choke and kill lines.
- G Rotating head 150 psi working pressure minimum

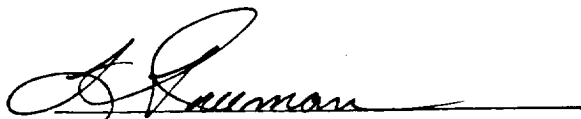
ARRANGEMENT C

TENNECO OIL COMPANY
 ROCKY MOUNTAIN DIVISION
 REQUIRED MINIMUM
 BLOWOUT PREVENTER AND
 CHOKE MANIFOLD

J. MAGILL 10-26-79 EVI

1. Existing Road - Please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during the duration of this project.
2. Planned Access Roads - Please refer to Map No. 1. The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed twenty feet (20') in width. Upon completion of the project, the access road will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.
3. Location of Existing Wells - Please refer to Map No. 2.
4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines - Please refer to Maps No. 1 and No. 2. Map No. 2 shows the existing roads and new proposed access roads. All known production facilities are shown on these two maps.
5. Location and Type of Water Supply - Water for the proposed project will be obtained from a private source.
6. Source of Construction Materials - No additional materials will be required to build either the access road or the proposed location.
7. Methods of Handling Waste Materials - All garbage and trash materials will be put into a burn pit shown on the attached Location Plat No. 1. When clean-up operations are begun on the proposed project, the burn pit with its refuse will be buried to a depth of at least three feet (3'). A latrine, the location of which is also shown on Plat No. 1. will be provided for human waste. If large amounts of liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located on natural drainage; all earthen pits will be so constructed as to prevent leakage from occurring.

8. Ancillary Facilities - No camps or airstrips will be associated with this project.
9. Wellsite Layout - Please refer to the attached Plat No. 1.
10. Plans for Restoration of the Surface - After completion of the proposed project the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Seed mixture as designated by the responsible government agency will be used. The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted as designated by the responsible government agency.
11. Other Information - The proposed site is located on the north side of Callaway Canyon. The topography is rolling hills. The principal vegetation is Pinon, Juniper, sage, galleta, thistle and narrow leaf Yucca. The soil is sandy clay loam.
12. Operator's Representative - See drilling prognosis.
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 Tenneco Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.


L. Freeman
Staff Production Analyst

TENNECO OIL COMPANY

CALCULATION SHEET

EXHIBIT

COMPANY

SUBJECT DRILLING WELL SITE LAYOUT *Williams Com 1*

LOCATION

DATE

