SUBMIT IN IMPLICALLY (Other instructions on reverse side)

Budget Bureau No. 42-R1425.

# UNITED STATES

30-045-2-4601

APPROVED BYCONDITIONS OF APPRO	DL, IF ANY		TITLE				DATE	
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PERMIT NO.				APPROVAL DA	TE		<del></del>	
(This space for Fede	eral or State office use)							
SIGNED ,	U. Mish	Mishler 7	ritle	Sr. Produ	ction	Analyst	Sep	t. 30, 1980
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8 3/4"	7" new	23#			87 <b>'</b>		Circulate to surface Circulate to liner top	
12 1/4"	9 5/8" new	36#		±2	50'	-	ulate to surfa	
out or more	SIZE OF CASING	WEIGHT PER		SETTING		<u> </u>	QUANTITY OF CEMENT	
6244 GR 23.		PROPOSED CASI	NG ANI	CEMENTIN	G PROGRA	AM		
21. ELEVATIONS (Show whether DF, RT, GR. etc.)							April 198	1
OR APPLIED FOL, ON THE	IS LEASE, FT.		<u> </u>			1	22. APPROX. DATE V	TORE WILL START
(Also to nearest drig 18. DISTANCE FROM PROPO TO NEAREST WELL, DI	OSED LOCATION®		19. FR	19. гвогозер регти ±7342 '		20. ROTARY OR CABLE TOOLS ROTARY		
LOCATION TO NEAREST	INE. FT.			1851.96			TO THIS WELL 331.76	
15 DISTANCE FROM PROPO	SED*		16. NO	O ACRES IN	LEASE		F ACRES ASSIGNED	-
14. DISTANCE IN MILES A	ely 11 miles ES	E of Blanco	N.M.	- !•			San Juan	N.M.
c amc 2	c ahove	TET TOWN OF BOO	ST OFFICE	E. •			12. COUNTY OR PARIS	
At proposed prod. zone							Sec. 11, T28N, R8W	
At surface	SL, 890 FEL						11. SEC., T., R., M., OR AND SURVEY OR	BLK. Area
720 So. COL	orado Blvd., Der	in accordance wi	th any S	tate requireme	nts.*)		Basin Dakota	L
3. ADDRESS OF OPERATOR	d- Dland Dow	war Color	s obe	<b>0222</b>			10. FIELD AND POOL,	OR WILDCAT
Tenneco Oil	Company						9. WELL NO.	
WELL WE 2. NAME OF OPERATOR							Price Com	
OIL GA	S X OTHER	SINGLE X SINGLE X MULTIPLE ZONE		LE	E. FARM OR LEASE NAME			
	LL X	DEEPEN		FL	DG BAC			
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APPLICATION	FOR PERMIT T	O DRILL, I	DEEPE	N, OR P	LUG B	ACK	6. IF INDIAN, ALLOTTI	LE OL TRIBE NAME
		SICAL SURV					SF 078390	
	DEPARTMENT	OF THE I	NIER	IUK		ł	5. LEASE DESIGNATION	AND EELIAL NO.

Lot 1 + SE/4 SEH Sec (0)

Lot 2, 3, 4 - 5/2 5/2 Sec (1) Holl (10h Por AISL of 5.

# NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT Effective 1-1-65 All distances must be from the outer boundaries of the Section Well No. Lease Operator 5 PRICE COM TENNECO OIL COMPANY County Range Township Section Unit Letter San Juan 8W 28N Actual Footage Location of Well; line East 890 South line and feet from the Dedicated Acreage: Producing Formation Ground Level Elev: Acres DAKOTA 6277 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? If answer is "yes," type of consolidation COM MUNITIZATION (in fragues ☐ No 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. CERTIFICATION I hereby certify that the information contained herein is true and complete to the U. S. GEOLOGICAL SURVEY FARMINGTON, N. M. R. A. Mishler Position Sr. Production Analyst Company Tenneco Oil Company Sec 10 2 2 Date September 30, 1980 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or 5292 54 under my supervision, and that the same is true and correct to the best of my Lot 1 and SE/4 SE/4 Sec. 10 Dedication: Lots 2, 3, 4, and S/2 S/2 of Sec. 11 knowledge and belief. Date Surveyed Ell L/ Scale: 1"=2000"

Kerr

3950

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

### DRILLING PROCEDURE

DATE:

September 4, 1980

LEASE: Price Com

WELL NO.: 5

LOCATION: 1120 FSL, 890 FEL

Section 11, T28N, R8W

San Juan County, New Mexico

FIELD: Basin Dakota

ELEVATION: 6260 Est. G.L.

TOTAL DEPTH: 7342'

PROJECTED HORIZON: Dakota

DATE: September 4, 1980 SUEMITTED BY: Dale Kardash

Administration CC: DSB Well File Field File

# ESTIMATED FORMATION TOPS

0jo	1936	(Water)
Fruitland	2518	(Water)
Pictured Cliffs	2658	<b>(</b> Gas)
Lewis	2887	
Cliff House	4395	<b>(</b> Gas)
Menefee	4492	<b>(</b> Gas)
Point Lookout	4968	<b>(</b> Gas)
Mancos	5122	
Gallup	6052	
Greenhorn	6968	
Dakota	7066	<b>(</b> Gas)
τn	7342	

## DRILLING, CASING AND CEMENTING PROGRAM.

- 1. MIRURT
- 2. Drill a 12½" Hole to  $\pm$  250 with Gel-Water Mud.
- 3. RU and run 9 5/8" 36# K-55 ST&C casing to TD. Cement with Class B + 2% CaCl<sub>2</sub> in sufficient quantity to circulate cement to surface. WOC 12 hours.
- 4. Screw on 9 5/8 8rd x 11-3000 casing head, NU BOPS. Pressure test casing, lines and blinds 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.
- 5. Drill out using an 8 3/4" Bit and clear water. Drill to 3387'. Mud up prior to reaching intd. TD.
- 6. RU and run 7" 23# K-55 ST&C casing to bottom. Cement with 50:50 Pozmix, 4% Gel; tailed with 150 sx Class B + 2% CaCl<sub>2</sub>. Circulate cement to surface. WOC 18 hours.
- 7. Set slips and cut-off casing. GIH with  $6\frac{1}{4}$ " Bit and  $3\frac{1}{2}$ " drilling assembly. Pressure test to 1000 PSI for 30 minutes. Record tests on IADC Report.
- 8. RU to Gas Drill. Drill to within 5' of shoe with water, unload hole with  $N_2$ . Drill a few feet of new formation and blow with gas until dusting.
- 9. Drill a 6¼ hole to TD with gas. Log open hole as directed by G.E. Department.
- 10. Run 4½" 11.6 and 10.50# K-55 ST&C as designed as a liner. Have 150' overlap inside the 7" casing. Cement with 50:50 Pozmix, 4% Gel; tailed by 100 sx of Class B. Use a fluid loss additive in the lead slurry and circ cement to liner top.
- 11. Circulate out excess cement, LDDP and MORT.
- 12. Install tree and fence reserve pit.
- 13. If non-productive, P & A as required by the USGS.

#### Casing Program

Interval	Length	Size	<u>Weight</u> 36#	Grade	<u>Coupling</u> STC
0-250	<u>Length</u> 250	9 5/8	36#	K-55	STC
0-3387	3387	7	23#	K-55	STC
7342-7000	342	4 1/2	11.6#	K-55	STC
7000-3237	3763	4 1/2	10.5#	K-55	STC

0-250 Spud mud.

250-3387 Low solid, fresh witer and . (Mater and Benex.) Mid up prior to

running casing.

3387-TD Gas.

## EVALUATION

Cores and DST's: None.

Deviation Surveys:

1. Survey surface hole at 100' intervals. Maximum allowable deviation at 500' is 1-1/2°.

3. From surface to total depth, deviation surveys must be taken every 500' or each trip, whichever is first. This may entail running the TOTCO on wireline. Record each survey on the IABC Drilling Report Sheet. Maximum allowable change in deviation is 1° per 100'. Maximum deviation allowable is 5°.

Samples: As requested by Wellsite Geological Engineer.

Logs:

1. GR/IND FDC-GR-Cal TD to M/

## BLOWDUT 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 Drilling 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.

- 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).

#### TENNECO OIL COMPANY - 10 POINT PLAN

- 1. The geological name of the surface formation: San Jose
- 2 & 3. Estimated Formation Tops:

(See Attached Drilling Procedure)

4. Proposed Casing Program:

(See Attached Drilling Procedure)

- Blowout Preventors:

  Hydraulic double ram. One set of rams will be provided each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2". BOP's, drills and tests will be recorded in the driller's log. BOP will be tested every 24 hours and recorded in IADC Log.
- 6. Mud Program: (Sufficient quantity of mud and weight material will be available on location).

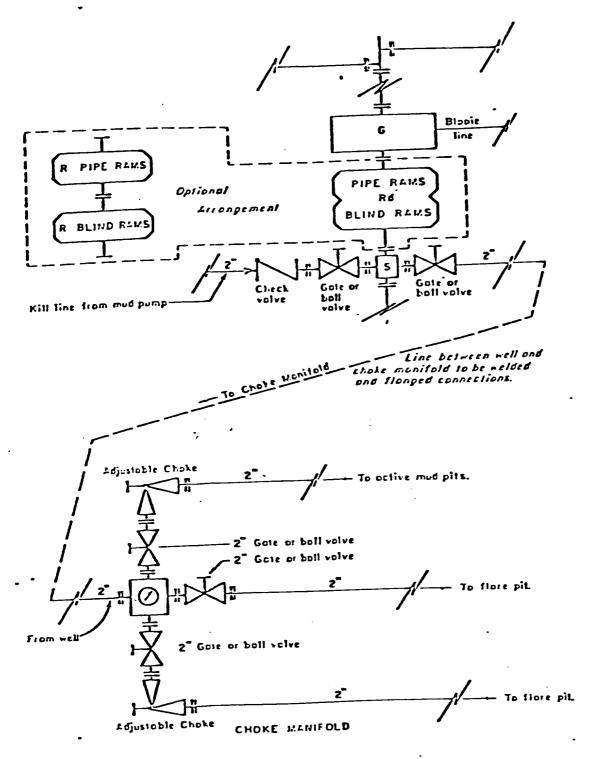
(See Attached Drilling Procedure.

- 7. Auxiliary Equipment:
  - a. Kelly cock will be in use at all times.
  - b. Stabbing valve to fit drill pipe will be present on floor at all times.
  - c. Mud monitoring will be visual. No abnormal pressures are anticipated.
  - d. Floats at bits.
  - e. Drill string safety valve(s) to fit all pipe in drill string will be maintained on the rig floor while drilling operations are in progress.
- 8. Coring, Logging, and Testing Program:

(See Attached Drilling Procedure)

- 9. No abnormal pressures, temperatures or potential hazards such as  ${\rm H_2S}$  are expected to be encountered.
- 10. The drilling of this well will start approximately (April 1981 ) and continue for 10 to 12 days.

Your office will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.



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

- Double rom type preventer with two sets of roms.
- Rđ Single rom type preventer with one set of roms.
  - Drilling spool with side outlet connections for choke and kill lines.
- Rotating head 150 psi working pressure minimum

# ARRANGEMENT C

TENNECO OIL COMPANY ROCKY MOUNTAIN DIVISION REQUIRED MINIMUM BLOWOUT PREVENTER AN CHOKE MANIFOLD J. MAGILE ' 10-28-79

- 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.
- 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.
- 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 lease 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 J 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.

- e. 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 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 Broken slope on terrace top with northwesterly drainage, alluvial surface deposits, and sandstone outcrops. Vegetation includes pinon, juniper, sagebrush, bitterbrush, mountain mahogany, narrowleaf yucca, broadleaf yucca, snakeweed, indian rice-grass, squirreltail, and galleta.
- 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 mad 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.

R. A. Mishler

Sr. Production Analyst

