12. TYPE OF WORK

b. TYPE OF WELL OIL \_\_\_

23.

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

### SUBMIT IN TRIPLICATE\*

Forn. approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

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	$\frac{\circ}{\circ}$	- 4	6/3
5. LEASE D	ESIGNATION	AND RERIA	KO.

DEPARTMENT	OF	THE	INTER	IOR
GEOLOG	ICA	SUR	VFY	

GEOLOGICAL SURVEY

P.O. Box 3249, Englewood, Colorado 80155

1030'

DEEPEN

UNITED STATES

R PLUG BACK	6. IF INDIAN, ALLOTTEE OF TRIBE NAME
PLUG BACK	7. UNIT AGREEMENT NAME
MULTIPLE ZONE	E. FARM OR LEASE NAME
	Florance
	9. WELL NO.
The region of the state of the	124E

SF 080246

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements." At surface 1030 FSL, 1190 FWL At proposed prod. zone

APPLICATION FOR PERMIT TO DRILL, DEEPEN,

OTHER

SEC., T., R., M., OB BLK. AND SURVEY OR AREA Sec. 27, T29N, R9W

10. FIELD AND POOL, OB WILDCAT

Basin Dakota

same as above 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

DRILL X

WELL X

Tenneco Oil Company

12. COUNTY OR PARISE; 13. STATE

Approximately 4 miles SE of Blanco, N.M. 16. NO. OF ACRES IN LEASE San Juan N.M.

15. DISTANCE FROM PROPOSED\*
LOCATION TO NEAREST
PROPPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION®
TO NUAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

17. NO. OF ACRES ASSIGNED TO THIS WELL 320 *3*20 944.77 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS ±66821

Rotary 22. APPROX, DATE WORK WILL START\* June 1981

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5717° GR

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#	±2730'	Circulate to surface
6 1/4"	4 1/2" new	11.6#, 10.5#	±6682	Circulate to liner top

This action is publicet to administrative appeal pursuant to 30 CFR 296.

See attached.

The gas is dedicated.



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SIGNES	R. A. Mishler Sr. Production Analyst	DATE	October	20, 1980
(This space for	or Fed-ral (r State office use)			
PERMIT No.	APPROVED APPROVAL DATEAS AMENDED			
	NOV 2 4 1980  SAMES F. SIMS  DISTRICT ENGINEER  TO SERVE SIMS	. : : : : : : : : : : : : : : : : : : :		

\_ \*See Instructions On Reverse Side

## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

# OIL CONSERVATION DIVISION P. O. BOX 2048 SANTA FE, NEW MEXICO 87501

Form C-107 kevised 10-1-78

All distances must be from the cuter houndaries of the Section.

	<del> </del>		r		<del> </del>	T
Operator	T COMPANY		Legee FLORANCE			Well No. 124E
TENNECO OIL COMPANY Unit Letter Section Township		Ronge			1 4646	
M	27	29N	9W	San	Juan	
Actual Footage Loc	ation of Well:			•		
1030		uth line and	1190	feet from the	West	line
Ground Level Elev:	Producing For Dakota	motion	Pool Basin Dako	t.a	Dedi	cated Acreage: 320 Acres
5717		1 . 1				
1. Outline th	e acreage dedica	ted to the subject w	ell by colored pen	cli or hachure i	marks on the p	iat Delow.
	nan one lease is nd royalty).	dedicated to the we	ll, outline each and	d identify the o	wnership there	cof (both as to working
		lifferent ownership is unitization, force-pool		vell, have the in	nterests of al	l owners been consoli-
Tes Yes	No If a	nswer is "yes;" type	of consolidation _			
this form i	f necessary.)					d. (Use reverse side of
No allowai	ble will be assign	ed to the well until a	ll interests have be	en consolidate	ed (by commun	nitization, unitization,
1	ling, or otherwise	) or until a non-standa	rd unit, eliminatin	g such interests	s, has been ap	proved by the Commis-
sion.			<del></del>		<del></del>	
_ ;			ĺ		C	ERTIFICATION
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ď	I	-	1			co Oil Company
i	, Se	c.	1		Date	20 1000
		•	1		Octobe	er 20, 1980
			1			
		i			I hereby cer	tify that the well location
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	t e	1	<b>∮</b> \$111.	9 <b>\</b>	I.	ual surveys made by me or
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1190'		į	l seg		October	
	5 1	ı	i		Registered/Pro	essional Engineer
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-			<u> </u>		Certifical No.	KERA. The
•	Sca	le: 1"=1000'			3950	

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

### DRILLING PROCEDURE

DATE: August 27, 1980

LEASE: Florance

WELL NO.: 124-E

FIELD: Basin Dakota

LOCATION: 1030' FSL, 1190'FWL Sec. 27, T29N, R9W

San Juan County, New Mexico

ELEVATION: 5717'

TOTAL DEPTH: 6682'

PROJECTED HORIZON: Dakota

DATE: August 27, 1980 SUBMITTED BY: Doug Fogle \_\_\_\_\_ DATE: 9/22/50

CC: Administration

DSB Well File Field File

### ESTIMATED FORMATION TOPS

0jo		
Fruitland	Gas	1922
Pictured Cliffs	Gas	2057
Lewis		2212
Cliff House	Gas	3732
Menefee	Gas	3667
Point Lookout	Gas	4342
Mancos		4822
Gallup	Gas/Oil	5522
Greenhorn		6292
Dakota	Gas	6422
T.D.		6682

### DRILLING, CASING AND CEMENTING PROGRAM.

- 1. MIRURT
- 2. Drill a 12%" 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 $_2$  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 deall 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 2730'. 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 6½" Bit and 3½" 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 6½ 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	Weight	Grade	Coupling
0-250	Length 250	9 5/8	36#	K-55	Sic
0-2730	2730	7	23∄	K-55	STC
None		4 1/2	11.6#	K-55	STC
2480-6700	4120	4 1/2	10.5#	K-55	STC

**0–250** Spud mid.

250-2730 Low solid, fresh water rust. (Water and Benex.) Mud-up prior to running casing.

2730-TD Gas.

### E432237700

Cores and DST's: None.

### Deviation Surveys:

- 1. Survey surface hole at  $100^\circ$  intervals. Maximum allowable deviation at  $500^\circ$  is  $1-1/2^\circ$ .
- 3. From surface to total depth, deviation surveys must be taken every 500' or each trip, whethever is first. This may entail running the TOTCO on wireline. Record each survey on the ISDO 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/

### ELCADUT 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.

- 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:

- 11. 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: Naciemento
- 2 & 3. Estimated Formation Tops:

(See Attached Drilling Procedure)

4. Proposed Casing Program:

(See Attached Drilling Procedure)

- 5. 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).

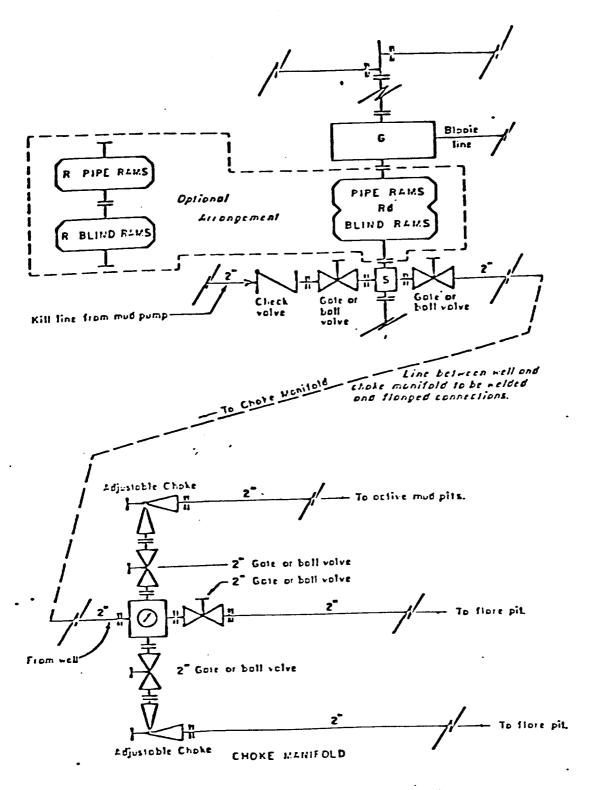
(See Attached Drilling Procedure.

- 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)

- No abnormal pressures, temperatures or potential hazards such as H<sub>2</sub>S are expected to be encountered.
- 10. The drilling of this well will start approximately ( June 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 choice 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. MAGILL . 10-26-78

- 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 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 I 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.

- S. Ancillary Facilities No camps or airstrips will be associated with this project.
- 9. Wellsite Layout Please refer to the attached Plat No. 1.
- The Plans for Restoration of the Surface After completion of the proposed project the location will be cleaned and leveled. The location will beff 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 Area consists of moderately rolling hills. Drainage is to the North. Vegetation includes juniper, ephedra, rabbitbrush, squirreltail, sage, pinon and other native plants and grasses.
- 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 had 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

