23.

SUBMIT IN TRIPLICATE® (Other instructions on

Form approved. Budget Bureau No. 42-R1425.

reverse side) 30-145-245714

UNITED STATES

BEBLOWIELE AF THE		· 4 · 7		
DEPARTMENT OF THE INTERIOR			5. LEASE DESIGNATION	AND REBIAL NO.
GEOLOGICAL SURVEY			SF-078818A	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			G. IF INDIAN, ALLOTTEE	OR TRIBE NAME
DRILL X DEEPEN	7. UNIT AGREEMENT NAME			
OIL CAS X OTHER	SINGLE MULTIP	X X	8. PARM OR LEASE NAM	
NAME OF OPERATOR	B. Montoya 25			
Tenneco Oil Company				
ADDRESS OF OPERATOR	1-M			
720 South Colorado Blvd., Denver,	Basin / Bla	nco		
At surface 1100 Tree 1100 Tree			Dakota / Mesa	Verde
At proposed prod. zone 870/W	11. SEC., T., B., M., OR B AND SURVET OR AR			
At proposed prod. sode	Sec. 25, T32N, R13W			
4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE.			12. COUNTY OR PARISH	13. STATE
2.9 miles north east of LaPlanta New Mexico			San Juan	N.M.
			OF ACRES ASSIGNED HIS WELL	
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	2510.69		N/320 + 0	3 د3/
S. DISTANCE FROM PROPOSED LOCATION® TO NEAREST WELL, DRILLING, COMPLETED,	19. PROPOSED DEPTH	20. ROTA	COTARY OR CABLE TOOLS	
OR APPLIED FOR, ON THIS LEASE, FT.	7130		Rotary	
1. ELEVATIONS (Show whether DF, RT, GR, etc.)			22. APPROX. DATE WO	RE WILL START
5923 GR			ASAP	

5923 GR

		PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTE	QUANTITY OF CEMENT		
12 1/4"	9 5/8"	36#	± 250	Circulate to surface		
8 3/4"	7"	23#	<u>±</u> 5000	Cement in two stages		
6 1/4"	4 1/2"	10.5# & 11.6#	±7 130	Circulate to liner top		

See Attached.

The gas is dedicated



This action is subject to administrative appeal pursuant to 30 CFR 2901

DELLA OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

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 by deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowest preventer program, if any. 24. Staff Production Analyst June 3, 1980 SIGNED (This space f PERMIT NO. APPROVED BY CONDITIONS OF APPROPAR, IF ANT JAMME JAMES F. SIMS

*See Instructions On Reverse Side

Will (-104 for community has





		AB distances must be fo	um the cuter hounders	re of the Section.		
, crot or			Leose	,		Well No.
TENNECO OIL	COMPANY		B MONTOYA 25			114
nit Letter Se	ection	Townsi.ip	Range	County	T	
D ·	25	32N	13W	San	Juan	
ctual Footage Locatio			970		West	
		orth line and	T	feet from the	7,030	line Dedicated Acreage:
round Level Ellev.	Producing Form		Pool	/Basin_Dako	+=	320 Acres
5927		Verde/Dakota				
1. Outline the	acreage dedicate	ed to the subject w	ell by colored per	icil or hachure	marks on the	e plat below.
interest and	royalty).					ereof (both as to working
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? X Yes No If answer is "yes," type of consolidation						
X Yes	No If ans	swer is "yes," type	of consolidation _	COmmunitiza	ation in	progress
this form if n No allowable	"no," list the orecessary.)	wners and tract des	criptions which ha	ve actually bee	en consolida	nunitization, unitization, approved by the Commis-
						CERTIFICATION
Supron			ļ	ī		
SF078818A	Fee 280	0 ac	1	= 	I hereby c	ertify that the information con-
40 ac ਪ੍ਰ	S		•		1	ein is true and complete to the
	7 7		; 1		best of my	knowledge and belief.
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**************************************			·		Name M. L	. Freeman
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	i		; 1	I		f Production Analyst
	1		i	Ī	Сопрапу	
			İ			eco Oil Company
	i	·	1		Date	2 2000
	l S∈	ec.	į.		July	2, 1980
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C 80-04		7	i			·
	1	25	i		1	certify that the well location
	l		1		1 1	this plat was plotted from field
	1	1.	1		1	octual surveys mode by me or
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	1		l 1	ļ	and/or Land	
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	1		i		Fred	B. Karr Jr.
		·			Certificate)	2555 77
230 660 -90	1220 1080 1980	2310 2640 20	00 1500 1000	50 0 0	395 0	

UNITED STATES

	Form Approv ed. Budget Bureau No. 42–R1424
	5. LEASE SF-078818A
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
.S ferent	7. UNIT AGREEMENT NAME
	8. FARM OR LEASE NAME Montoya 25
	9. WELL NO. 1M
	10. FIELD OR WILDCAT NAME
_	Basin Dakota/Blanco Mesa Verde
222	11. SEC., T., R., M., OR BLK. AND SURVEY OR
e 17	AREA Sec. 25, T32N, R13W
	12. COUNTY OR PARISH 13. STATE San Juan New Mexico
TICE,	14. API NO.
	15. ELEVATIONS (SHOW DF, KDB, AND WD) 5927
F: '	
	(NOTE: Report results of multiple completion or zone change on Form 9-330.)
	*
v state	e all pertinent details, and give pertinent dates,
ill is di	rectionally drilled, give subsurface locations and
ertinen	t to this work.)*
CO 211	of Land Management we request
	West of the original requested
	eted and the area inspedted by
_	
	DESERVE OPERATIONS AUTHORIZED ARE
	SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
 'Co	armout addouguests
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OM.	This action is subject to administrative
	This action is subject to CFR 2904

DEPARTMENT OF THE INTERIOR	SF-078818A
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(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.)	8. FARM OR LEASE NAME Montoya 25
1. oil gas	9. WELL NO.
2. NAME OF OPERATOR Tenneco Oil Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Basin Dakota/Blanco Mesa Verde
720 So. Colorado Blvd., Denver, Colo. 80222	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	AREA Sec. 25, T32N, R13W .
AT SURFACE: 1115 FNL, 870 FWL	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: AT TOTAL DEPTH:	San Juan New Mexico
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO.
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 5927
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	
SHOOT OR ACIDIZE	
REPAIR WELL	(NOTE: Report results of multiple completion or zone change on Form 9-330.)
MULTIPLE COMPLETE	7
CHANGE ZONES ABANDON*	
(other) move location	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is d	irectionally drilled, give subsurface locations and
measured and true vertical depths for all markers and zones pertinen	it to this work.)*
Per the request of Mr. Montoya and the Bureau	of Land Management we request
permission to relocate approximately 250 feet	
site. An archaeological survey has been complethe U.S.G.S. and B.L.M. personnel.	leted and the area inspedted by
the 0.5.G.S. and b.L.M. personner.	
	DESERBED OPERATIONS AUTHORIZED ARE
	SUBJECT TO COMPLIANCE WITH ATTACH
OIL COM 1980	"GENERAL REQUIREMENTS"
011 02 1980	
DIST. 3	This action is subject to administrative appeal pursuage to 30 CFR 2901 Ft.
Subsurface Safety Valve: Manu. and Type	gpnest PulsauSet @ F1.
18. I hereby certify that the foregoing is true and correct	
SIGNED M. L. Freeman TITL Staff Production Analyst	on DATE July 2, 1980
(This space for Federal or State off	ice use)

APPROVED BY CONDITIONS OF APPROVAL, IF ANY: my b/ sword

_ TITLE

*See Instructions on Reverse Side

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

DRILLING PROCEDURE

DATE:

May 6, 1980

LEASE:

Montoya

WELL NO .: 25-1-M

LOCATION: 1100' FNL, 1120' FWL Sec. 25, T32N, R13W

FIELD:

Blanco-Mesaverde

San Juan County, New Mexico

Basin, Dakota

ELEVATION: 5925 Est. Gr.

TOTAL DEPTH: 7130

PROJECTED HORIZON: Dakota-Mesaverde

SUBMITTED BY:

JWO/ms

CC: Administrative (D. Traywick - 1)
Well File (DSB - 1)

Field File (3)

ESTIMATED FORMATION TOPS

OJO-Alamo		Water
Fruitland	•	Gas
Pictured Cliffs	2200	Gas
Lewis	2310	
Cliffhouse	3880	Gas
Menefee	4060	Gas
Point Lookout	4620	Gas
Mancos	4910	
Gallup	5380	Oil/Water
Greenhorn	6720	
Dakota	6850	Gas
TD	7130	

DRILLING, CASING, AND CEMENT PROGRAM

- 1. MIRT
- 2. Drill 12 1/4" Surface hole to ±250'.
- 3. Run 9 5/8", 36#, K-55, ST&C casing. Set @ *250 TD. Cement with sufficient vol. using Class "B" with 2% Calcium Chloride to circ. cement to surface.
- 4. Wait on cement minimum of 12 hours. NUBOE. Pressure test to 600 psi ½ hour. Test high pressure manifold pipe and blind rams.
- 5. Reduce hole to 8 3/4 and drill to ±5000'.

 Note: Loss of circulation zones ±3880, ±4060, ±4620, pre treat mud with ±20% LCM material. Make every effort to have mud weight below 9ppg prior to penetrating the Mesa Verde Formation @ 3880'.
- 6. Run open hole logs from 5000' to surface as per Geological Department. See logging instructions.
- 7. TIH and cond. to run 7" casing. TOH laying down drill pipe and drill collars.
- 8. Install 7" rams. Ru and Run 7" casing equipped with guide shoe, automatic fill float collar and Dv tool. Run DV tool ±3600'. Run cement baskets above and below Point Lookout (4620'), Menefee (4060'), and Cliffhouse (3880'). Run centralizers to centralize bottom section of hole- across producing intervals-run cement basket above and below Dv tool. Centralize above and below Dv tool.
- Cement in two stages. Cement volumes +20% excess are to be caculated from Caliper in Logs.

1st Stage: 50/50 Poz mix, 4% Gel.

2nd Stage: 65/35 Poz mix, 6% Gel, Tail in w/ 50 sx neat.

- 10. Wait on cement 18 hours. NUBOE to gas drill. TIH with 6½" Bit and drill Dv tool and shoe joint. Displace water with N2, N2 with Gas. Blow until well is Dusting. Drill to TD- with gas- Dakota Zone can get wet. TOH and lay down square DC before drilling Dakota Zone.
- 11. Run open hole logs as per Geological Department.
- 12. Run 4½" Liner from TD to 7" casing. Be sure Liner is below bottom perforation of the Mesa Verde.
- 13. Cement with sufficient volume to circulate cement to the Liner top.
- 14. Load hole with water and reverse out excess cement.
- 15. TOH, LDDP, NDBOE, Install well head.
- 16. RD- MORT

MUD PROGRAM

- Native Solids- 8.4- use sufficient viscosity to clean hole and 0-250': run casing.
- 250-±5000': Low Solids- 8.9 wt., 30/40 FU, W/L, 15cc
- 3. 5000-TD: Gas

EVALUATION

Cores and DST's:

None Anticipated

Deviation Surveys:

Surface: Every 100'- maximum deviation not to exceed 150.

500'- or on trips. This may entail running survey on wire line. Maximum deviation 1° per 100'- not to exceed 5° . 250-TD:

Samples:

As per Geological

Logs:

SP - GR - Induction

FDC - CNL Density

BLOWOUT EQUIPMENT

As per Federal requirements and also see Tenneco attached BOE- Program.

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. George Ramsey (Home) 303-771-5154.
- 3. John Owen (Home) 303-795-0221.

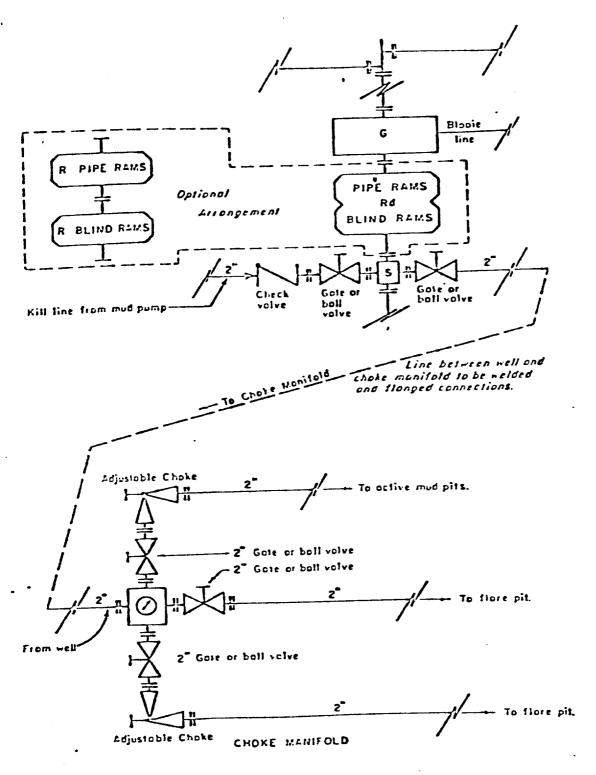
The yellow sheet of the IADC Report is to be filled out completely. The original copy of the drilling time recorder, and copies of any invoices from this well, signed and received for Tenneco Oil Company, will be mailed daily to:

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. George E. Ramsey, Jr., Drilling Engineers Supervisor
- 3. Mr. John W. Owen, Project Drilling Engineer.
- 4. Mr. Mike Lacey, Division Production Manager (Home 303-979-0509).



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

- Double rom type preventer with two sets of roms. Rd
- Single rom type preventer with one set of roms.
- Dritting 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. MAGILL 10-26-78 EVI

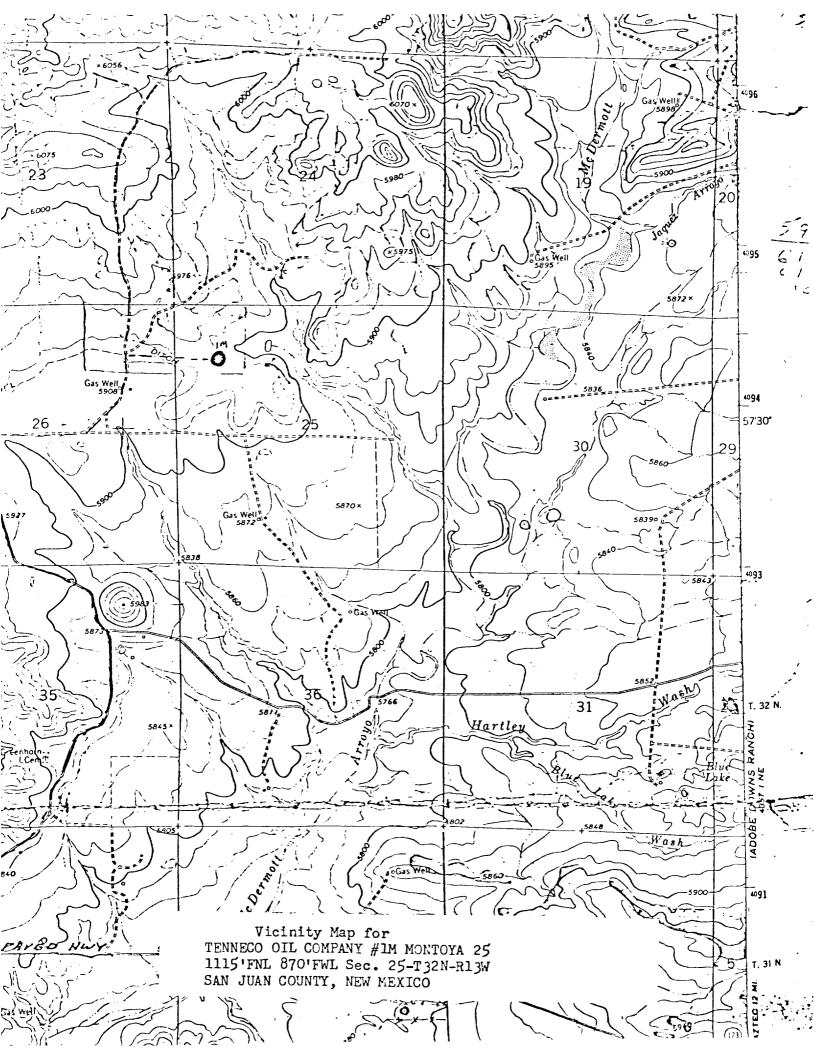
- 1. Existing Road please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during the duration of this project.
- Planned Access Roads Please refer to Map No. 1. The grade of the access 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.

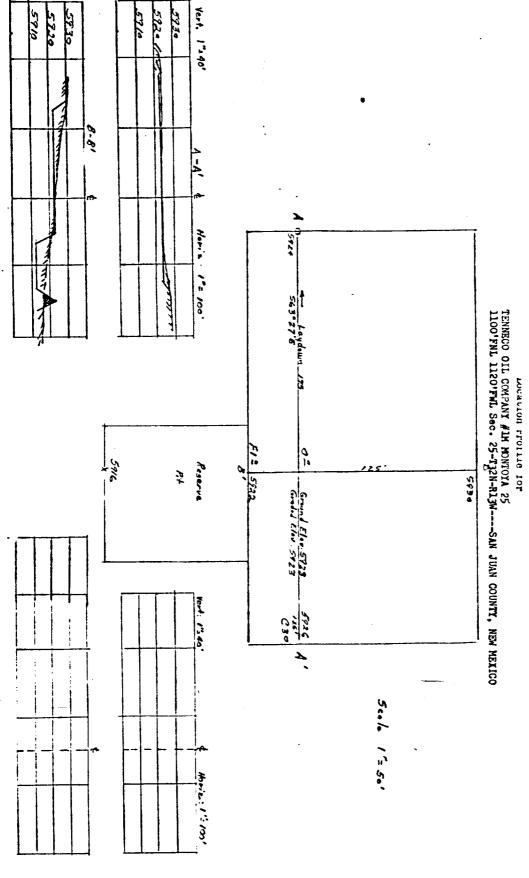
- 8. Ancillary Facilities No camps or airstrips will be associated with this project.
- 9. Wellsite Layout Please refer to the attached Plat No. 1.
- 10. Plans for Restoration of the Surface After completion of the proposed project the location will be cleaned and leveled. The location will be left in 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 west side of McDermott arroyo 1½ miles north of Highway 173. The soil is sandy loam supporting sage and native grasses. The surface and minerals are held in public domain.
- 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.

L. Freeman

Staff Production Analyst





MERR LAND SURVEYING

