SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

Form approved.

UNITED STATES DEPARTMENT OF THE INTERIOR

		ouget	Durent	No.	42-R1425
	1-1	45-	2.4	<u> = </u>	
1 5	LILASE	DESIG	NATION	ANDE	LEIAL NO.

GEOLOGICAL SURVEY							SF-079938		
APPLICATION	I FOR PERMIT T	O DRILL, I	DEEPE	N, OR PI	LUG B	ACK	C. IF INDIAN, ALLOTTEE OF THISE NAME		
1. TYPL OF WORK	LL X	DEEPEN			JG BAC		7. UNIT AGREEMENT NAME		
b. TIPE OF WELL	ELL X OTHER			NGLE X	MULTIPI ZONE	L# []	S. FARM OR LEASE NAME		
2. NAME OF OPERATOR	ELI. A OTHER		20	INE LAN	ZORE		Hughes Com		
Tenneco Oil	Company						9. WELL NO.		
3. ADDRESS OF OPERATOR							6		
720 So. Colo	rado Blvd., Denv	er, Colora	do 80	222			10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (Re	eport location clearly and	in accordance wi	th any S	tate requiremen	ats.")		Basin Dakota		
At Furtage 800	FNL, 800 FWL						11. SEC., T., R., M., OE BLE. AND SURVEY OR AREA		
At proposed prod. 20n							Sec. 30, T29N, R8W		
₹ same	as above						12. COUNTY OF PARISH 13. STATE		
	AND DIRECTION FROM NEAR						San Juan N.M.		
	y 7 miles East o	of Blanco,		O. OF ACRES IN	LEARE	1 17 NO 0	OF ACKES ASSIGNED		
15. DISTANCE FROM PROPULOCATION TO NEAREST		2001	10	937.2	22202		347.66		
PROPERTY OR LEASE L (Also to nearest drlg	t. unit line, if any)	800 '	10 10	OPOSED DEPTH		20 ROTA	RY OR CABLE TOOLB		
15. DISTANCE FROM PROP TO NEAREST WELL, DI	HILLING, COMPLETED,		13. 11	±7700 '		1	Rotary		
OR APPLIED FOR, ON THE 21. ELEVATIONS (Show whe			1			<u>!</u>	22. APPROX. DATE WORK WILL START*		
	191' GR						June 1981		
23.	יק	ROPOSED CASI	NG ANI	D CEMENTING	PROGRA	M			
		WEIGHT PER I		SETTING D		1	QUANTITY OF CEMENT		
SIZE OF HOLE	SIZE OF CASING	36#	001		250'	Circu	late to surface		
12 1/4"	9 5/8" new 7" new	23#			30 '	·	late to surface		
8 3/4" 6 1/4"	4 1/2" new	11.6#, 10	5#		700'		late to liner top		
0 1/4	1 1/2 1.50					l	_		
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See attached	i.								
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	001	1					1 95% 82		
	U. S. CENLOCICAL ST.						1 Sono f		
1	Park State of the						The second secon		
IN ABOVE SPACE DESCRIET	FROPOSED PROGRAM: If	proposal is to dec	epen or	plug back, give	data on p	resent proc	ductive zone and proposed new productive dand true vertical depths. Give blowou		
preventer proposal is to	drill or deepen directions	m , give p ertinei	nt data	on rousurrace r	ocations at	nu measure	d and true vertical depends. Give blower		
24.	1 10. 10						a		
SIGNED	: Mishie	v T	S: itle	r. Product	lion An	nalyst	Sept. 30, 1980		
	R. A	. Mishler			·				
(Ints space for rede	rial of State cance use,								
PERMIT NO.				APPROVAL DATI	ē				
ADDROVES DE LA		τ.	ITLE				DATE		
CONDITIONS OF APPROX	Marant Jamester	,					-		

NWUR-6226 NW/4 Sec 20 W/2 Sec 19

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Well No. Operator HUGHES COM TENNECO OIL COMPANY County Romae Township Unit Letter Section 8W San Juan 30 Actual Footage Location of Wells West 800 feet from the North 800 feet from the Dedicated Acreage: Producing Formation Pool Ground Level Elev: Acres 6491 DAKOTA 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 COMMUNITIZATION (In Arogn 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 4476.12 I hereby certify that the information contained herein is true and complete to the SF-078046 of my knowledge and belief. Tock Conoco 2 R. A. Mishler Position 19 Sr. Production Analyst Acreage Dedication: W/2 Section 19 Company NW/4 Section 30 Tenneco Oil Company Date September 30, 1980 I hereby certify that the well location shown on this plat was plotted from field under my supervision, and that the same Is true and correct to the best of my knowledge and belief. 30 Date Surveyed Scale: 1"=2000" EABM 24-11

TERNESS SIL SCHPANY ROCKY MOUNTAIN DIVISION PENTHOUSE, 720 SCUTH COLORADO BOULEVARD DENVER, COLORADO 80222

DRILLING PROCEDURE

DATE:	September	4,	1980
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LEASE: Hughes Com WELL NO.: 6

LOCATION: 800 FNL, 800 FWL FIELD: Basin Dakota Sec. 30, T 29N, R 8 W

San Juan County, New Mexico

ELEVATION: 6500 Est. G.L.

TOTAL DEPTH: 7700

PROJECTED HORIZON: Dakota

APPROVED BY: Dale Kardash

DATE: September 4, 1980

DATE: \$\int \left(\sigma \right) \right(\sigma \right) \right) \right(\sigma \right) \right) \right(\sig

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

Ojo	2080	(Water)
Fruitland	2850	(Water)
Pictured Cliffs	3070	(Gas)
Lewis	3230	
Cliff House	470 0	(Gas)
Menefee	4910	(Gas)
Point Lookout	5320	(Gas)
Mancos	5430	
Gallup		
Greenhorn	7300	
Dakota	7400	(Gas)
T.D.	7700	

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 \pm 2% CaCl $_2$ in sufficient quantity to circulate cement to surface. WOC 12 hours.
- 4. Screw on 9 5/8 8rd \times 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 3730. Mud up prior to reaching intd. TD.
- 6. RU and run 7" 23# K-55 ST3C casing to bottom. Cement with 50:50 Pozmix, 4% Gel; tailed with 150 sx Class B + 2% CaCl₂. 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 $6lag{1}{4}$ hole to TD with gas. Log open hole as directed by G.E. Department.
- 10. Run $4\frac{1}{2}$ " 11.6 and 10.50# K-55 STAC as designed as a liner. Have 150' overlap inside the 7" casing. Cement with 50:50 Pozmix, 45 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>	Grade	Coupling
0-250	250	9 5/8	36#	K-55	STC
0-3730	3730	7	23 <i>#</i>	K-55	STC
7700-7000	700	4 1/2	11.6#	K-55	STC
7000-3580	3 420	4 1/2	10.5 <i>#</i>	K-55	STC

0-250 Spud mud.

250-3730 Low solid, fresh water rull. (Water and Denex.) Mud up prior to running casing.

3730-TD Gas.

EMPLIATION

Cores and DST's: None.

Deviation Surveys:

- 1. Survey surface hole at 100' intervals. Maximum allowable deviation at 500' is $1-1/2^{\circ}$.
- 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 TADO 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 TO to M/

ELCHOUT 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 IADO 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 Tennaco Oil Company, will be mailed daily to:

TENNECO DIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO EDULEVARD
DENVER, COLORADO 80222

ATTENTION: Drilling Department

IN CASE OF EMERGENCY, NOTIFY THE FOLLOWING:

- 1.1. Or. 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)

- 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).

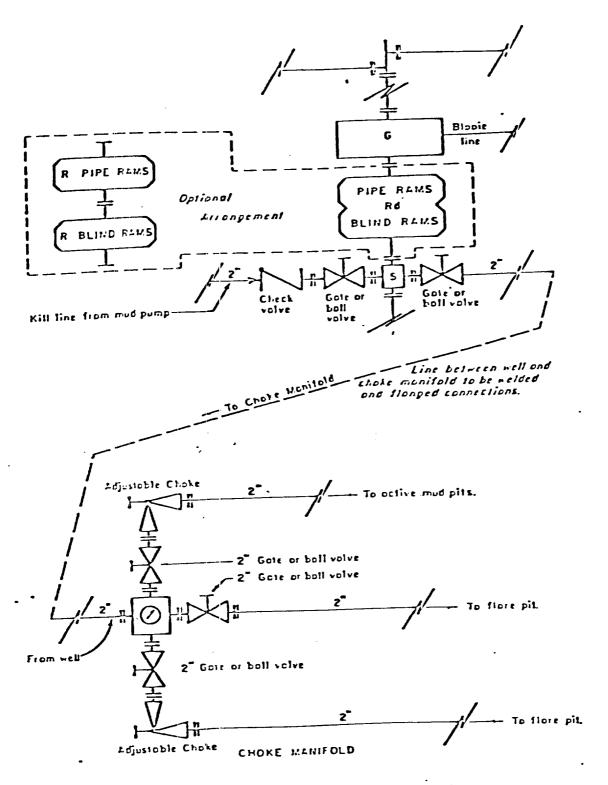
(See Attached Drilling Procedure.

- 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)

- 9. No abnormal pressures, temperatures or potential hazards such as ${\rm H}_2{\rm S}$ 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 choke and kill lines.
- 5 Rototing head 150 psi working pressure minimum G

ARRANGEMENT C

TENNECO OIL COMPANY ROCKY MOUNTAIN DIVISION REQUIRED MINIMUM BLOWOUT PREVENTER AN CHOKE MANIFOLD J. MAGILL 10-26-79 EVI

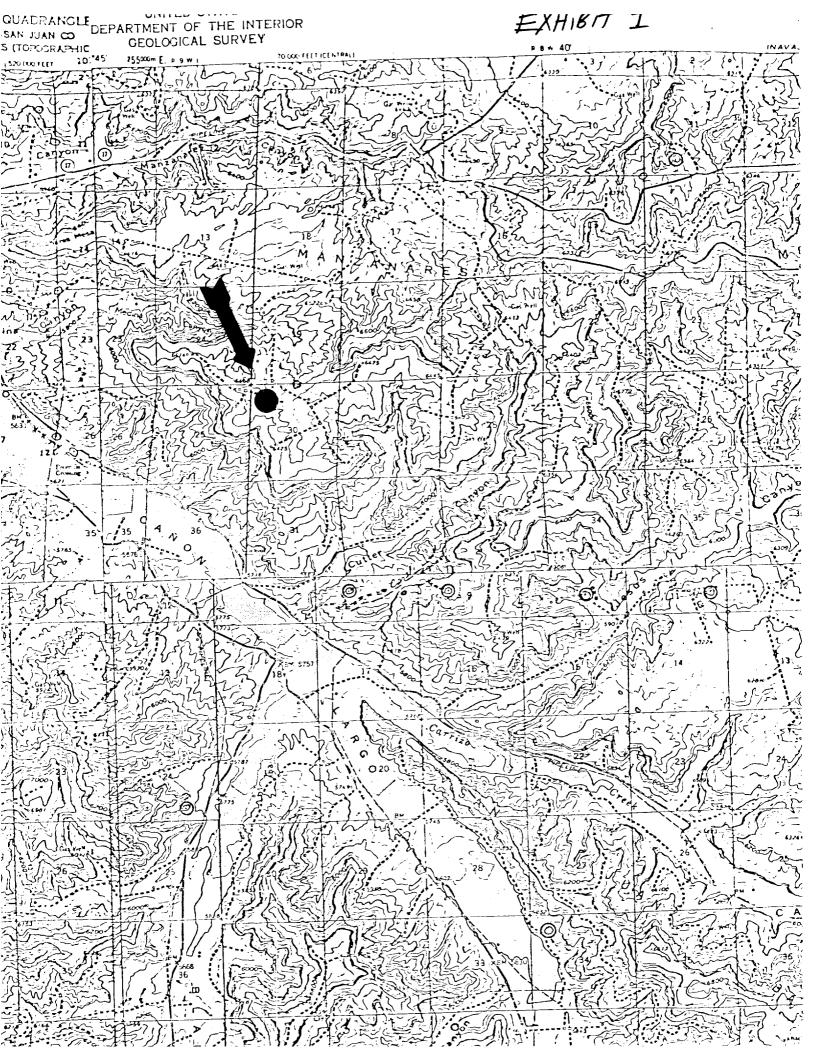
- 1. Existing Road Please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during the duration of this project.
- 2. Planned Access Roads Please refer to Map No. 1. The grade of the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

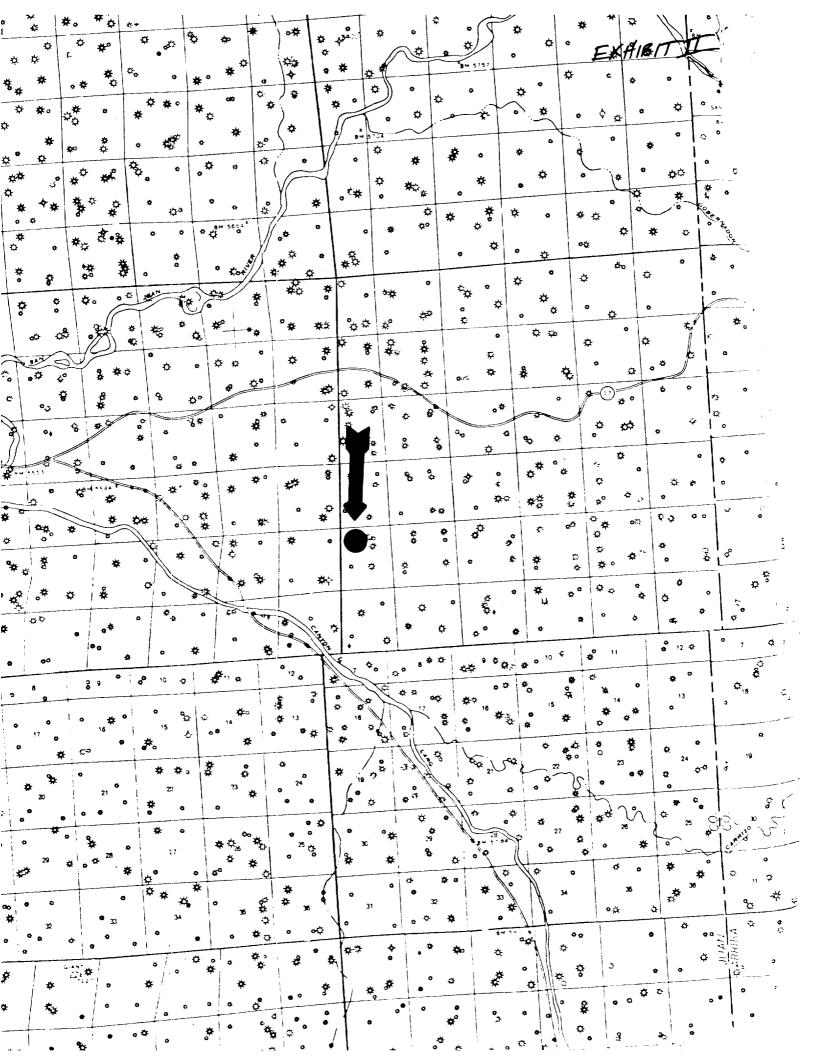
- 8. Ancillary Facilities No camps or airstrips will be associated with this project.
- 9. Wellsite Layout Please refer to the attached Plat No. 1.
- 10. Plans for Restoration of the Surface After completion of the proposed project
 the location will be cleaned and leveled. The location will i
 left 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 Rolling mesa top with westerly drainage, alluvial surface deposits, and sandstone outcrops. Vegetation includes sagebrush, brome, crested wheat, galleta, squirreltail and prickly pear.
- 12. Operator's Representative See drilling prognosis.
- 13. Certification -

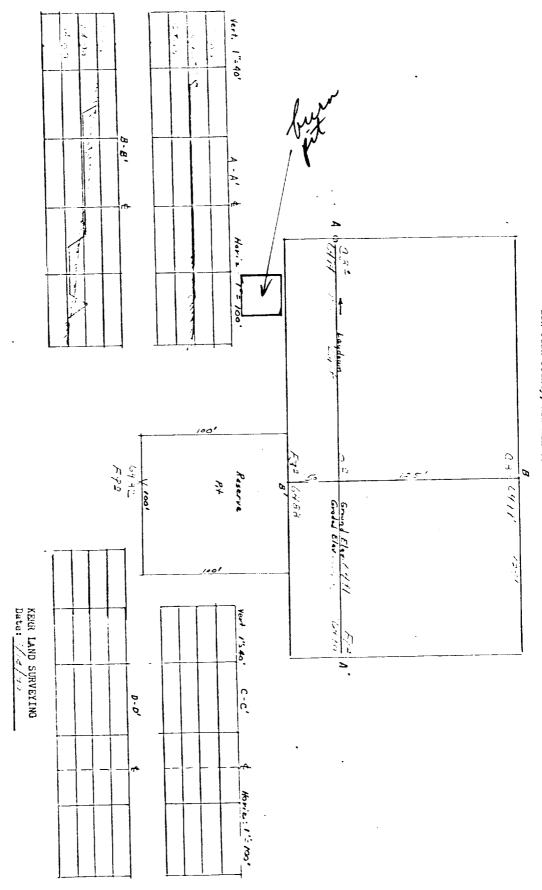
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements mad in this plan are, to the best of my knowledge, true and correct; and that the work associated 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







Profile for TENNECO OIL CO. #6 HUGHES COM 8 NOTENL 8021FML Sec. 32-72/N-RBW San Juan County, New Max.co