#### SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

-045-24/19

UNITED STATES DEPARTMENT OF THE INTERIOR

	approvea		
Budget	Bureau	No.	42-R1425.

						O. DEMBE DESIG	MATION AND	SERIAL NO.
GEOLOGICAL SURVEY					SF 078673			
APPLICATION	N FOR PERMIT T	O DRILL,	DEEP	N, OR PLUG I	BACK	6. IF INDIAN, A	LLOTTEE OR	TRIBE NAME
1a. TYPE OF WORK				•		None		
	ILL 🖾	DEEPEN		PLUG BA	CK []	7. UNIT AGREE		
b. TYPE OF WELL		DLLI LIN		I LOO DA			_	
	AS []		sı	NGLE 777 MULTIN	PLE -	8. FARM OR LE		· —
	VELL XX OTHER		ZC	NGLE XX MULTIP		O. FARM OR LE	ASE NAME	
2. NAME OF OPERATOR	ARCO Oil & Gas	Company		,		Schlo	sser WN	Federal
	Division of Atl		field		-4	9. WELL NO.	Ŧ	
3. ADDRESS OF OPERATOR	Suite 501				_	8E		
		mant Dames	o C	11- 00005		10. FIELD AND		ILDCAT
4. LOCATION OF WELL (R	1860 Lincoln St Report location clearly and	in accordance wi	th any S	tate requirements.*)		Basin Dakota		
At surface	_					11. SEC., T., R.,		<del></del>
	1710' FNL & 1520	O' FWL Sect	ion :	27-28N-11-W		AND SURVE	Y OR AREA	
At proposed prod. zor	ne							
	Approximately S	ame				27-28N-11W		
14. DISTANCE IN MILES,	AND DIRECTION FROM NEAR	REST TOWN OR POS	T OFFICE	<b>.</b>		12. COUNTY OR PARISH   13. STATE		STATE
	5 1/2 miles Com	#1		1 17 16 .	•		T	Jana Manadan
15. DISTANCE FROM PROP	$\frac{5}{0}$ 1/2 miles Sou	th of proof	<u>nijel</u>   16. ma	O, New Mexico  . OF ACRES IN LEASE	17. NO. (	San San S		<u>New Mexi</u> co
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.						HIS WELL		£
(Also to nearest dr)	g. unit line, if any)	1710 <b>'</b>	2566.96		ę	W 150/3	120	-
18. DISTANCE FROM PROI TO NEAREST WELL, D			19. PR	OPOSED DEPTH	20. пота	RY OR CABLE TOO	LS:	
OR APPLIED FOR, ON TH		1100'	6500' Rotary					
21. ELEVATIONS (Show wh	ether DF. RT. GR. etc.)	1100	<u>'</u>	0300		Rota	ATE WORK V	VILL START*
•	• • • • •					When app	proved a	VILL START* Application
5727	GL. Ungraded				<u> </u>	rec'd/A	prox. J	L-20-80.
23.	P	ROPOSED CASI	NG ANI	CEMENTING PROGRE	AM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	оот	SETTING DEPTH	::	QUANTITY O	F CEMENT	-
12 1/4	8 5/8 OD	24#		399'		300 sx	1, ,	#
7 7/8	4 1/2 OD	10.5#		т.р.		500 sx	, \$4 · · ·	
	VELL NÉÉDED PURSUA	NT TO NEW M	FXICO				- 1	· · · · · ·
	FICATION DATED JUNE		_,,,,,	O	7:			- 1
J.J.B.J. RATI	FIGHTION DATES JOIN	L O, 13/3.			-		: E	
					-	44 N. T. C. S.		

Propose to drill well to a depth sufficient to test the Dakota Formation, setting surface casing and if productive setting production casing. If the Dakota Formation is productive will perforate, test and treat if necessary.

Pursuant to the provisions of NTL-6 attached are:

Certified Location Plat Drilling Plan with attachment Surface Use and Operations Plan with attachments.

DEC 2 1 1979

OIL CON and proposed new productive IN ABOVE SPACE DESCRIBE-PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present pl d and Dis Vertigal depthis.

zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measure preventer program, if any. (This space for Federal or State office use)

PERMIT NO. \_ APPROVAL DATE

CONDITIONS OF APPROVAL, IF ANY:

of South

All distances must be from the outer boundaries of the Section

Operator			Lease		Well No.			
ARCO OIL & GAS COMPANY			SCHLOSSER WN FEDERAL 8 E					
Unit Letter	Section 27	Township 28 NORTH	Famge   11 WEST	County SAN JUAN				
Actual Footage Loc		1 20 Hollin	1 1 1 11 11 11 11 11 11 11 11 11 11 11	DAY COAL				
1710 Ground Level Elev:	feet from the	NORTH line and	1520 fee	t from the WEST	line			
_5727		akota	Busin	Dedi	cated Acreage;			
1. Outline th	e acreage dedica	ted to the subject we	ll by colored pencil or	r hachure marks on the pl				
2. If more th interest an	an one lease is d royalty).	dedicated to the well	. outline each and ide	ntify the ownership therec	of (both as to working			
		fferent ownership is c nitization, force-poolin		have the interests of all	owners been consoli-			
Yes	No If an	swer is "yes," type of	consolidation					
this form if No allowab	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 Commis-							
			1 1	CEF	RTIFICATION			
	-1710			toined herein is	that the information con- true and complete to the redge and belief.			
1520	+			Position Operations CompanyARCO	Manager Oil & Gas Co.			
	! 	27		Div. of Atl	antic Richfield C			
		7		fin on this p	ENGINE THE WILL location that was planted from field Ourveys mass by me or			
L _ L DE	CEIVED				Fig. 19 the best of my			
U. S. (	GEOLOGICAL SURVEY			Date Surveyed October 2 Registered Profes				
	     		;   	and/or Lond Surve				
0 330 660 '9	0 1320 1650 1980	2310 2640 2000	1500 1000 50	Certificate No.	<u> </u>			

### DRILLING PLAN

SCHLOSSER WN FEDERAL #8E NW Section 27-T28N-R11W San Juan, New Mexico

Tertiary 1. SURFACE FORMATION:

# 2. GEOLOGICAL MARKERS:

Kirtland	1102	Upper Mancos	4351 <b>'</b>
Fruitland	1455 <b>'</b>	Gallup	5251'
Pictured Cliffs	1657'	Lower Mancos	5789 <b>'</b>
Lewis	1735 <b>'</b>	Greenhorn	6037 <b>'</b>
Chacra	2587 <b>'</b>	Graneros	6099 <b>'</b>
Cliff House	3201 <b>'</b>	Dakota	6214 <b>'</b>
Point Lookout	4061'	Morrison	6444

3. ANTICIPATED MINERAL BEARING FORMATIONS: Fruitland

(Poss. Gas) (Poss. Gas) Pictured Cliffs Cliff House (Poss. Gas) (Poss. Gas) Gallup (Poss Oil/Gas) Dakota

to 300' 8-5/8" 24# K55 ST&C, Surface CASING PROGRAM: Production to T.D. 4-1/2" 10.5# K55, ST&C

5. CONTROL EQUIPMENT: Blowout Preventor - Ram Type, hydraulic operated

Rams - Two: One blind ram and one pipe

ram.

Series - 900 (3000#WP, 6000#T) Manufacturer - Cameron or Shaffer Pressure test at 1000 psi prior to drilling out of casing string.

Operational checks to be made daily and on

trips.

Sketch attached.

300' Gel and lime to drill surface hole and 0 t.o 6. DRILLING FLUIDS: set casing.

T.D. Low solids non-dispersed 9.0-9.1#gal., 3001 to 38-45 vis., WL 8 cc or less.

AUXILIARY EQUIPMENT: Kelly cock

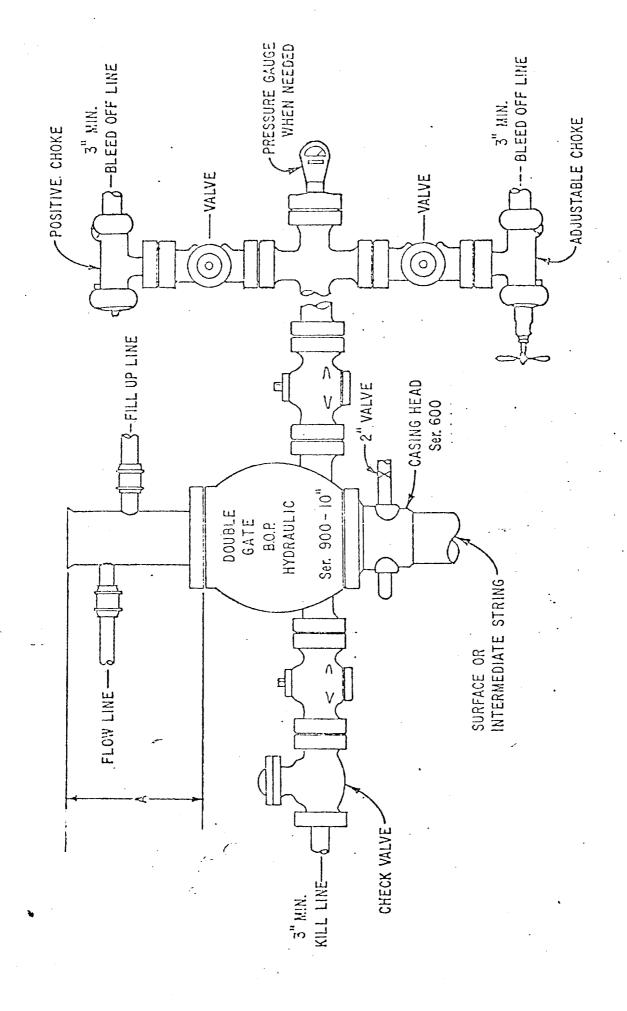
Sub on floor with full opening valve for use in drill

pipe when Kelly is not in the string.

TESTING, LOGGING AND CORING: At this time no drill stem tests or cores are planned. However, hole conditions and information obtained while drilling may alter these plans.

- ABNORMAL PRESSURES, TEMPERATURES, POTENTIAL HAZARDS: There are no abnormal pressures, temperatures or potential hazards in the area. The maximum anticipated pressure is 3600 psi. Weight material will be maintained on location at all times.
- STARTING DATE COMPLETION: Dirtwork and road work for this location will require 2 or 3 days. Moving in and rigging up 2 to 3 days. Drilling and completion will require approximately 30 days, for a total of 36 days. In the event of bad weather or other delays this time could be considerably extended.

NTL-6 indicates a minimum of 30 days are required to obtain District Engineer's approval, in which case operations on this well could not be commenced until approximately January 20, 1980. Depending upon rig availability, equipment, weather etc., this starting date could be extended.



# SURFACE USE AND OPERATIONS PLAN

SCHLOSSER WN FEDERAL #8E NW<sup>1</sup>4 Section 27-T28N-R11W N.M.PM., SAN JUAN COUNTY, NEW MEXICO

- 1. EXISTING ROADS: A portion of topographic map is attached showing the existing roads within a one (1) mile radius of the location (colored green). Main access will be from Broomfield, New Mexico approximately 5½ miles north. None of the existing roads will require any improvement. However, due to road conditions, weather, etc., these roads will be maintained to whatever extent is required.
- 2. PLANNED ACCESS ROAD: The planned access road will leave the existing road approximately 200 feet north this location. The road will be approximately 18' wide (sufficient to handle drill equipment). The grade will not exceed 8%. There will be no cattle-guards, culverts, fence cuts, etc.
- 3. LOCATION OF EXISTING WELLS: Existing wells within one (1) mile radius of this location are shown on the attached map.
- 4. EXISTING AND/OR PROPOSED FACILITIES: Arco Oil & Gas Company, Division of Atlantic Richfield Company has 2 existing wells within the one (1) mile radius of this location, they are:

Schlosser WN Federal #3 NENE Section 27-T28N-R11W Schlosser WN Federal #8 SWSW Section 27-T28N-R11W

The above wells each have 1--300 bbl storage tank and production unit which is located approximately 150' from the well head and is connected to the well with a buried gas line.

There are numerous other Schlosser WN Federal wells proposed for this area, but due to the drilling rig availability it is not possible at this time to anticipate which wells will be drilled prior to the drilling of this well. The production facilities for this well will be similar to the above wells.

- 5. WATER SUPPLY: It is anticipated that water will be obtained from the San Juan River approximately five (5) miles north of this location. The water will be trucked over New Mexico Highway 44, existing roads and the planned access road in item number 2 above.
- 6. CONSTRUCTION MATERIALS: None anticipated.
- 7. WASTE DISPOSAL: Cuttings and drilling fluids will be disposed of in the reserve pit. A trash or burn pit will be used to dispose of trash, garbage, etc. If the reserve pit is sufficiently dry when the well is completed, both the reserve and trash pit will be filled. If the reserve pit is not sufficiently dry when the well is completed it will be fenced for the protection of livestock and wildlife to be filled at such time when it is sufficiently dry.

Produced fluids will be disposed of in the reserve pit. Any oil accumulation on the reserve pit during drilling and completion operations will be skimmed off and held in a temporary storage tank for later disposition. Trash and debris cleanup will be commenced as soon as the completion rig moves out.

- 8. ANCILLARY FACILITIES: None are proposed.
- 9. WELL SITE LAYOUT: Per the attached sketches. The reserve pit will be approximately 100' by 100' and will be unlined.
- 10. RESTORATION OF SURFACE: Other than the area needed for operation and production facilities the site will be contoured as near as possible to its original state. Reseeding or any other restoration will be as specified by the Bureau of Indian Affairs and the United States Geological Survey. Any stockpiled topsoil will be distributed over the disturbed area for final grading and reseeding.
- 11. OTHER INFORMATION: Vegetation in this area consists of very sparse amounts of rabbit brush, sage brush, yucca and morman tea with a few scrub cedar trees. Drainage is to the Kutz Canyon and on to the San Juan River.

This location will require a 15 ft. cut on the west and north sides and a 15 ft. fill on east side.

The V door of the rig will be to the south with the pits on east side.

11. (Con't.) The nearest dwelling is 4 miles north and 1 mile east along Highway 44.

To the best of our knowledge there are no domestic water wells in the area.

To our knowledge there are no archaeological, cultured, or historical sites in the area which will be involved. However, an archaeological survey will be made and the report submitted as soon as it is received.

With the short period of operation and the restoration of the surface, any disturbance to vegetation and wildlife will be temporary and minimal. It is not anticipated that there will be any substantial impact on the environment.

# 12. LESSEE'S OR OPERATOR'S REPRESENTATIVE:

W. A.	Walther,	Jr,
(303)	575-7031	
	575-7153	

C. E. Latchem (303) 575-7127 575-7152

B. J. Sartain (303) 575-7035 770-7849

ARCO 0il and Gas Company Division of Atlantic Richfield Company Suite 501 1860 Lincoln Street Denver, Colorado 80295

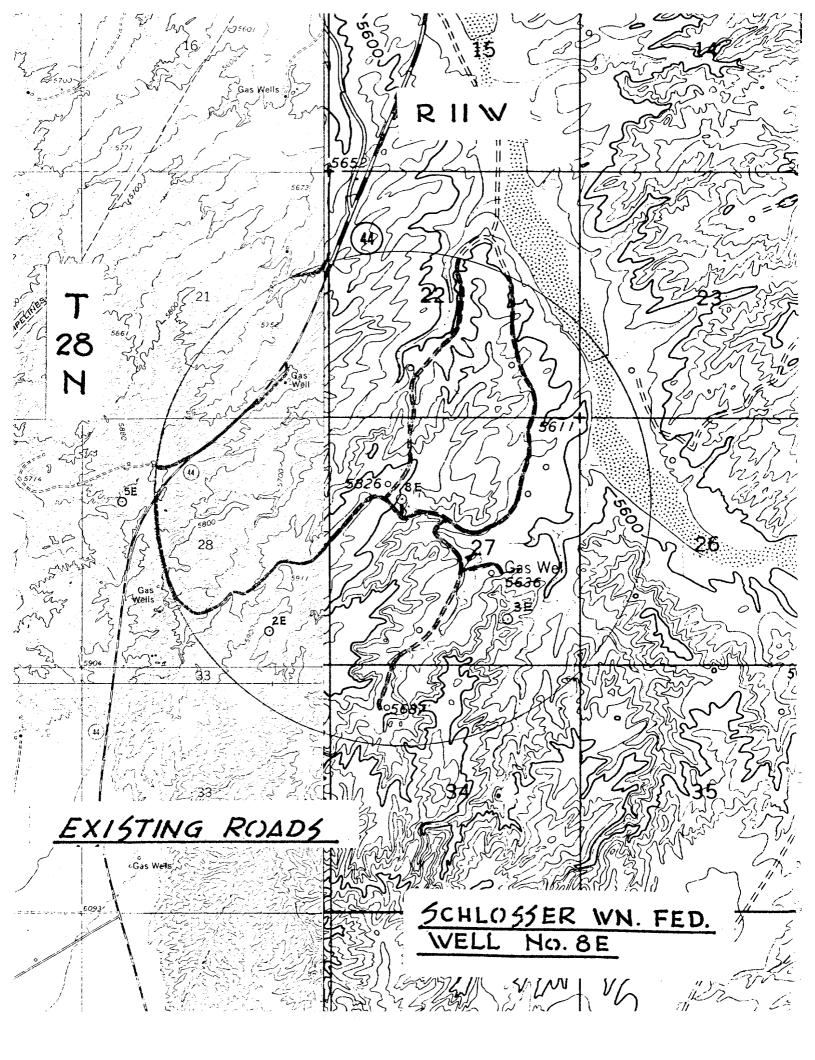
#### LOCAL REPRESENTATIVE:

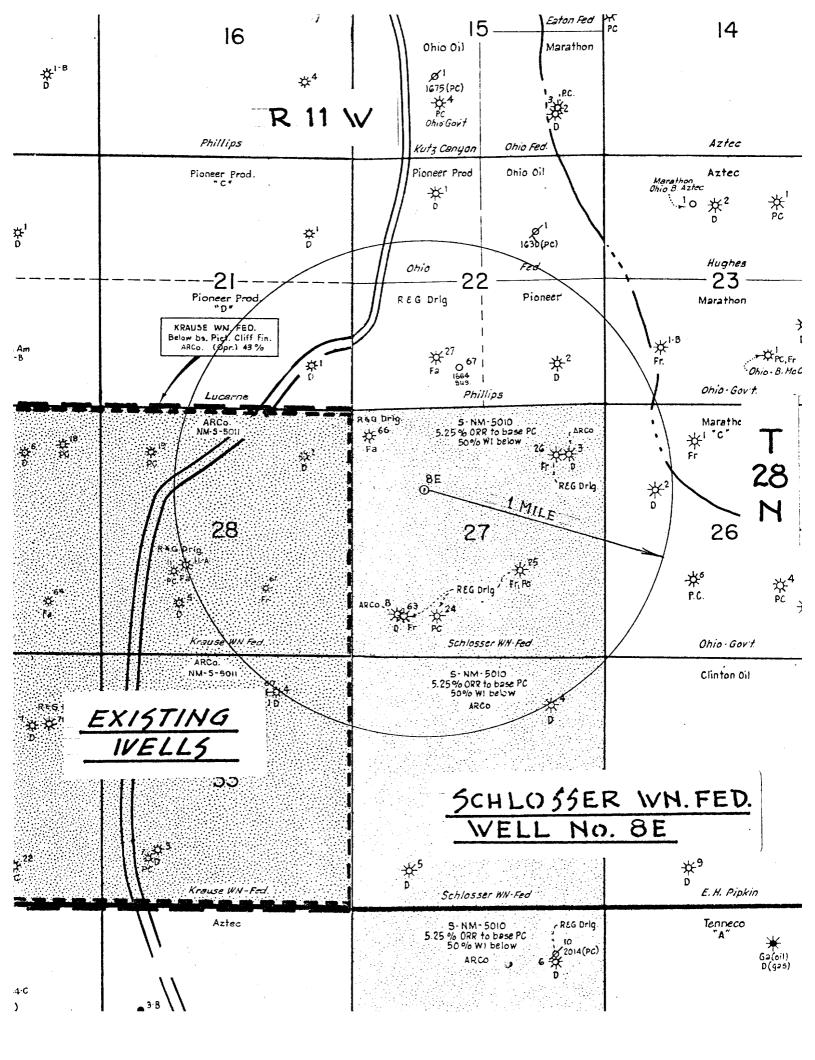
J. E. Taylor
ARCO Oil and Gas Company
Division of Atlantic Richfield Company
P. O. Box 2197
Farmington, New Mexico 87401
(505) 325-7527
325-7968

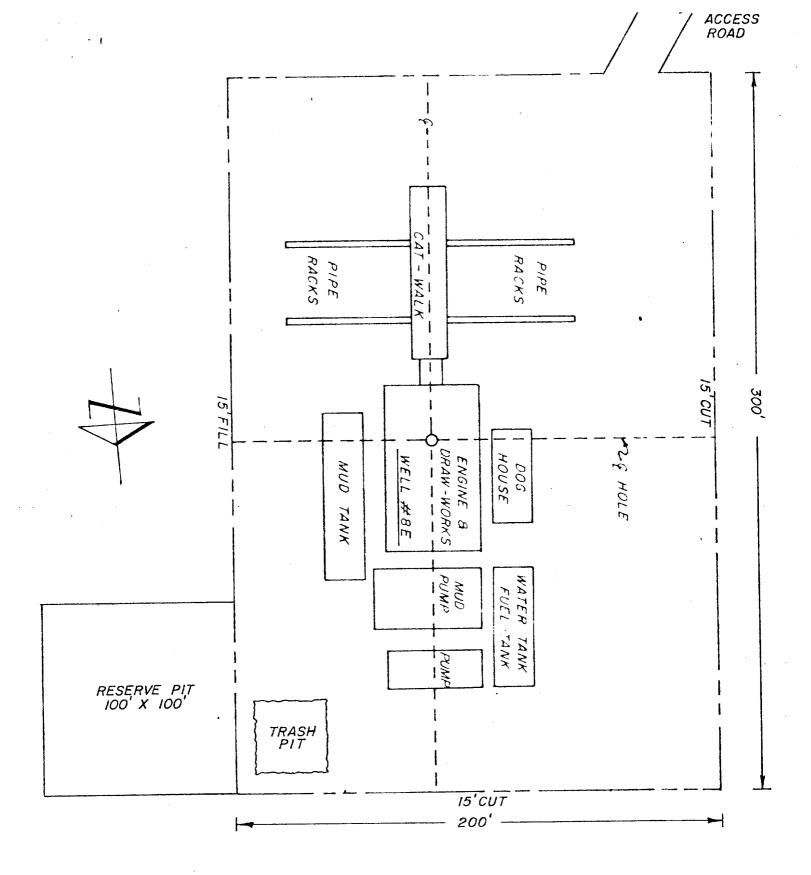
13 <u>CERTIFICATION</u>: I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist, that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operations proposed herein will be performed by ARCO Oil and Gas Company, Division of Atlantic Richfield Company and its contractors and sub contractors in conformity with this plan and the terms and conditions under which it is approved.

Dec. 14, 1979

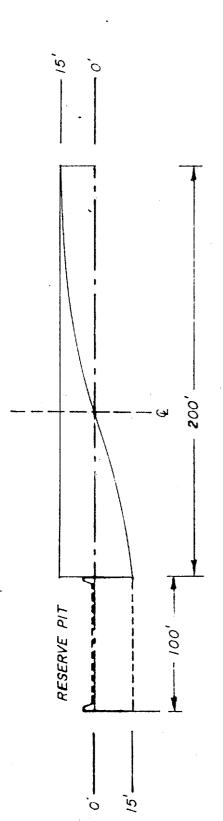
W. A. Walther, Jr. Operations Manager



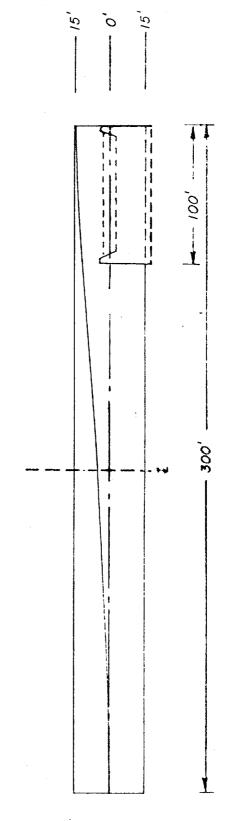




SCHLOSSER WN FEDERAL No.8 E 1710' FNL,1520' FWL, Sec. 27 - 28 N - 11 W



NORTHEAST TO SOUTHWEST,



SOUTHEAST TO NORTHWEST

SCHLOSSER WN FEDERAL WELL No. 8 E