Form 9-331 C (May ICB)					TRIPLICATE	Form approved. Budget Bureau No. 42-R1425.
		TED STATES		revers	ructions on e side)	30-045-04216
	DEPARTMENT	Γ OF THE I	NTERIO	OR .		5. LEASE DESIGNATION AND SERIAL NO.
	GEOLO	GICAL SURVI	ΞY			SF 078673
APPLICATIO	N FOR PERMIT	O DRILL I	DEEDEN	OR PLUG	RACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
TYPE OF WORK			, , , ,	, OK 1200	DACK	None
	ILL 🛚	DEEPEN [	] '	PLUG B.	ACK 🗌	7. UNIT AGREEMENT NAME
TYPE OF WELL OIL ( G	GAS (		SINGI	E C MEE	TIPLE [	None a a fine
	VELL X OTHER	····	ZONE	ZONE		S. FARM OR LEASE NAME
	ARCO Oil and Ga					Schlosser WN Federal 9. WELL NO.
ADDRESS OF OPERATOR	sion of Atlantic	Richfield	Compan	У	<u> </u>	[왕 향원] 경 : 출 : 길을입
P. O.	Box 5540, Denv	er, Colorad	0 802	17	- 12	10. FIELD AND POOL, OR WILDCAT
LOCATION OF WELL (R	Report location clearly and	in accordance wit	h any State	e requirements.*)	· · ·	Basin Dakota
865'	FNL & 1520' FWL	(NE NW) S	ection	3-27N-11W	ŧ.	11. SEC., T., R., M., OR BLK.
At proposed prod. zo:	ne.				ş	AND SURVEY OR AREA
	Approx the s				-	Section 3-27N-11W
	AND DIRECTION FROM NEAD				i	12. COUNTY OR PARISH 13. STATE
DISTANCE FROM PROP		Bloomfield	, New I	Mexico		San Juan New Mexico
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.				F ACRES IN LEASE	W TO TH	F ACRES ASSIGNED A CASE
(Also to nearest dr)	g unit line, if any)	520'	2562		321 3	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, PT.  1800				SED DEPTH	- I	RY OR CABLE TOOLS
	ether DF, RT, GR, etc.)	000	0.	810.		Rotary 22. APPROX. DATE WORK WILL START*
	6130' GL					When appr'd appl. rec'd
	P	POPOSED CASIN	C AND C	EMENTING PROG	7) 435	
	,			EMENTING PROG	RAM E.	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OT	SETTING DEPTH		QUANTITY OF CEMENT
12-1/4"	8-5/8" OD	24#		500'		ment to surface
7-7/8"	4-1/2" OD	10.5#		T.D	500	sxs To Cover the Sign Man
					1 1	
					7 7	
					\$ <b>1</b>	
ropose to dr	ill well to a de	epth suffic	ient to	test the T	)akota fo	prmation, setting
urface casin	g and if product	ive settin	g produ	ction casin	ng. If t	the Dakota formation
s productive	will perforate,	test and	treat i	if necessary	7	
-	•				· · · · · · · · · · · · · · · · · · ·	
ursuant to the	he provisions of	NTL-6 att	ached a		<b>*</b>	tion Plat
				<b>763 3 2 3 3 5 5</b>	3 -	with attachment
DECE	7 1980		/!	A La Surfac	e Use ar	nd Operations Plan
I ME	1000		- [	with 8 198	attachn	ments of the second
1 MAR 1	7 1980		- 1	<b>L</b> 11		월 골통 등원 리스 항영화의
	1		\ c	OIL CON. CO	VID / E	캎 실위 교육 작품 소중실
1 . m.,	ELIBVEY.	' 1	<i>y</i> <b>x</b> •	/ · · · · · · · · · · · · · · · · · · ·	/	
	CICAL SURVEY	gas is de	hend	pist. 3		
U. S. GEOLG	OGICAL SURVEY. GTON, N. M.	granic di	en or plug	DISI. 3	present produ	active zone and proposed new productive
U. S. GEOLG	OGICAL SURVEY.  GTON, N. M.  PROPOSED PROGRAM: If p drill or deopen directional	roposal is to deep	en or plug	DISI. 3	present produ	and true vertical depths. Give blowout
U. S. GEOLG ABOVE SPACE FARMIN DESPOSAL IS TO	OGICAL SURVEY.  GTON, N. M.  PROPOSED PROGRAM: If p drill or deopen directional	groposal is to deep	en or plug	DISI. 3	present produ	active zone and proposed new productive and true vertical depths. Give blowout
U. S. GEOLG  BOOK SPACE FARMIN  Deposal is to enter program, if any	OGICAL SURVEY.  GTON, N. M.  PROPOSED PROGRAM: If p drill or deopen directional	ly, give pertinent	en or plüg data on su	bac give data dobsurface locations	and measured	and true vertical depths. Give blowout
U. S. GEOLG ABOVE SPACE FASKIBE E. POPOSHI IS to center program, if any W. A. W.	OGICAL SURVEY. GTON, N. M.  PRODUCED PROGRAM: If p drill or decren directional r.  Author.	ly, give pertinent	en or plüg data on su	DISI. 3	and measured	notive zone and proposed new productive and true vertical depths. Give blowout:  DATE March 12, 1980
U. S. GEOLG ABOVE SPACE FASKIBE CENTER PROPOSAL IS to center program, if any W. A. W.	OGICAL SURVEY. GTON, N. M.  PROPOSED PROGRAM: If p drill or decren directional r.	ly, give pertinent	en or plüg data on su	bac give data dobsurface locations	and measured	and true vertical depths. Give blowout
U. S. GEOLG ABOVE SPACE FORKIBE DEPOSAT IS to center program, if any SIGNED W. A. W.  (This space for Feder	OGICAL SURVEY. GTON, N. M.  PRODUCED PROGRAM: If p drill or decren directional r.  Author.	ly, give pertinent	en or plug data on su	bac give data da la	and measured	and true vertical depths. Give blowout
U. S. GEOLG BOYE SPACE FORKIBE L POPPOSE IS TO CENTER IN THE CONTROL OF THE CENTER IN	OGICAL SURVEY. GTON, N. M.  PRODUCED PROGRAM: If p drill or decren directional r.  Author.	ly, give pertinent	en or plug data on su	bac give data dobsurface locations	and measured	and true vertical depths. Give blowout
U. S. GEOLG BOY SPACE FASTRIBE DEPOSAT IS to enter program, if any W. A. Wa  (This space for Feder	OGICAL SURVEY. GTON, N. M.  PRODUCED PROGRAM: If p drill or decren directional r.  Author.	ly, give pertinent	en or plug data on su	bac give data da la	and measured	and true vertical depths. Give blowout
U. S. GEOLG ABOVE SPACE FENERISE E. POPPOSEI IS to renter program, if any SIGNED W. A. W.	OGICAL SURVEY. GTON, N. M.  PRODUCTO PROGRAM: If p drill or decren directional r.  Althor, Jr.  ral or State office use)	Titi	en or plug data on su	bac give data da la	and measured	and true vertical depths. Give blowout

oh Sul

DISTAIL'S ENGINEER

# P. O. DOX ZORB

# 5ANTA FE, NEW MEXICO 87501

form C-102 Fevised 10-1-78

All distances must be from the outer boundaries of the Section Well 110. Co. FIELDI 2-E SCHLOSSER WN FEDERAL GAS COMPANY liame County Unit Letter Section SAN JUAN 11 WEST C27 NORTH Actual I cally e Loronion of Arth Dedicated Acreage: Ground Level Elev. | Preducing Formation 1. Outline the acreage dedicated to the subject well by colored pencil or hachuse 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 ewnership 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 \_\_\_ Mo. If enswer 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 Division. CERTIFICATION I hereby certify that the Information comtained herein Is tive and complete to the best of my knowledge and belief. Position Operations Manager Company ARCO Oil and Gas Co Div. of Atlantic Richfield Co Date 3-13.80 U. S. GEOLOGICAL SURVEY. FARMINGTON, N. M. Date Surveyed 790 December 17, SCH-DSSER 1 Heatstered Professional Engine EXISTING WE4 Ceililicate No. 1463 100

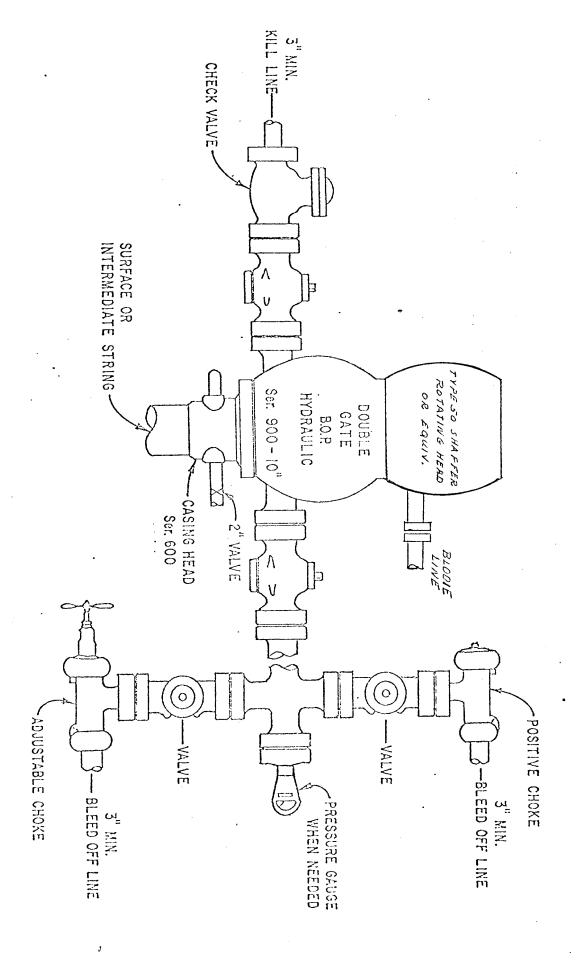
#### DRILLING PLAN

SCHLOSSER WN FEDERAL #2E
NE NW 865' FNL & 1520' FWL
Section 3-27N-11W
San Juan County, New Mexico

1.	SURFACE FORMATION:	Tertiary - Nacim	niento	
2.	GEOLOGICAL MARKERS:	Kirtland Fruitland Pictured Cliffs Lewis Chacra Cliff House Point Lookout	1410' Upper Mancos 4665' 1760' Gallup 5562' 1970' Lower Mancos 6105' 2055' Greenhorn 6345' 2915' Graneros 6410' 3520' Dakota 6530' 4380' Morrison 6760'	
3.	ANTICIPATED MINERAL BEA	RING FORMATIONS:	Fruitland (Poss Gas) Pitcured Cliffs (Poss Gas) Cliff House (Poss Gas) Gallup (Poss Gas) Dakota (Poss Oil/Gas)	
4.	CASING PROGRAM:	Surface to Production to	500' 8-5/8", 24#, K-55, ST&C T.D. 4-1/2", 10.5#, K-55, ST&C	
5.	CONTROL EQUIPMENT:	Blowout Prevento	or - Ram Type, hydraulic operater Rams - Two: One blind ram and one pipe ram Series - 900 (3000# WP, 6000# T) Manufacturer - Cameron or Shaffe Pressure test at 1000 psi prior to drilling out of casing strin Operational checks to be made daily and on trips Sketch attached	r
6.		0 to 500' 00' to 4000' 00' to T.D.	Gel and lime to drill surface hole and set casing Treated water to support hole Low solids non-dispersed 9.0-9.1#/g 38-45 vis., WL 8cc or less	al,
7.	AUXILIARY EQUIPMENT:		th full opening valve for use in En Kelly is not in the string	

- drill pipe when Kelly is not in the string
- 8. 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.
- 9. 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.
- 10. 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 April 30, 1980. Depending upon rig availability, equipment, weather, etc., this starting date could be extended.



### SURFACE USE AND OPERATIONS PLAN

SCHLOSSER WN FEDERAL #2E NE NW 865' FNL & 1520' FWL Section 3-27N-11W San Juan County, New Mexico

- 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 Bloomfield, New Mexico approximately 7-1/2 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 be approximately 100' long. 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 and Gas Company, Division of Atlantic Richfield Company has 3 existing wells within the one (1) mile radius of this location, they are:

Schlosser WN Federal #2 Schlosser WN Federal #5 Schlosser WN Federal #6

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 6-1/4 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: It is mostly barren on this location with small amounts of Russian thistle and rabbit brush. Drainage is to the northeast into Kutz Canyon and then northwesterly to the San Juan River.

This location will require a 8' cut on the west end and a 4' fill on the east end. A small ravine on the north side will be filled approximately 10'.

The V door of the rig will be to the west with the pits on the southeast side.

The nearest dwelling is 5 miles north 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, cultural, 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. C.E.Latchem B.J. Sartain (303) 575-7031 (303) 575-7127 (303) 575-7035 575-7153 575-7152 770-7849

ARCO Oil and Gas Company Division of Atlantic Richfield Company P. O. Box 5540 Denver, Colorado 80217

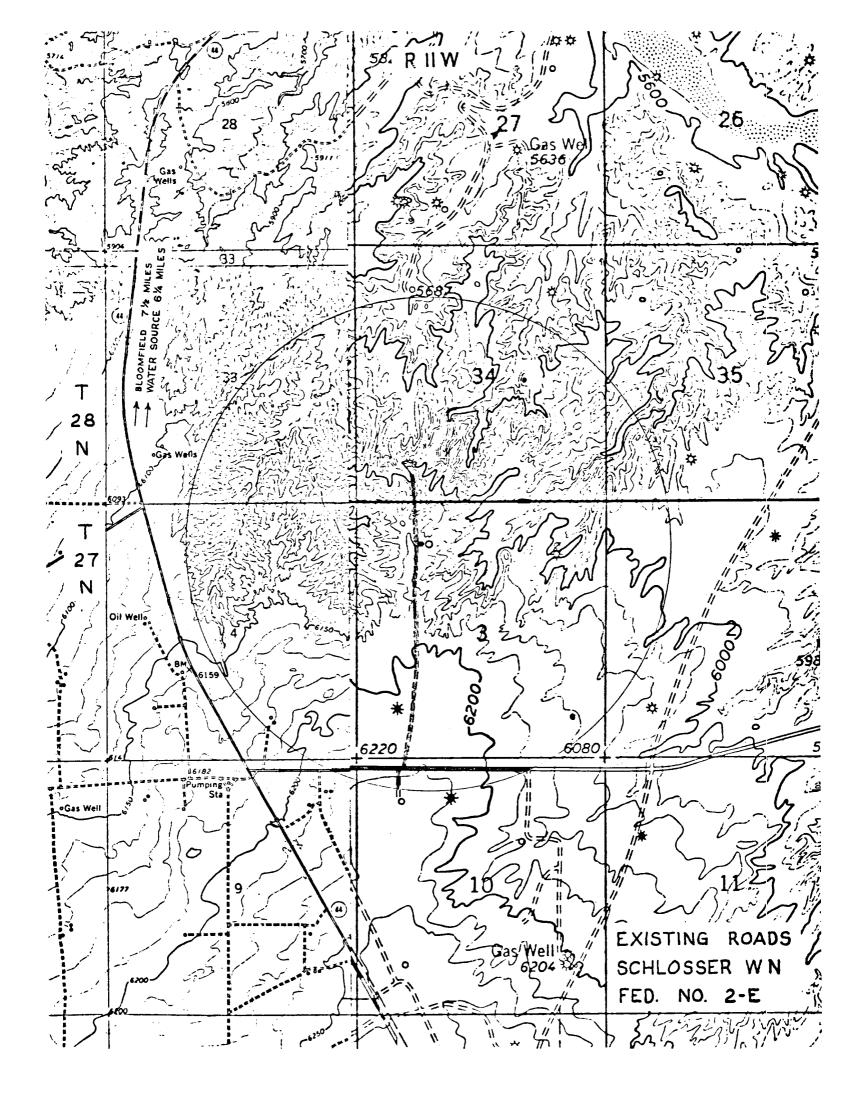
### LOCAL REPRESENTATIVE:

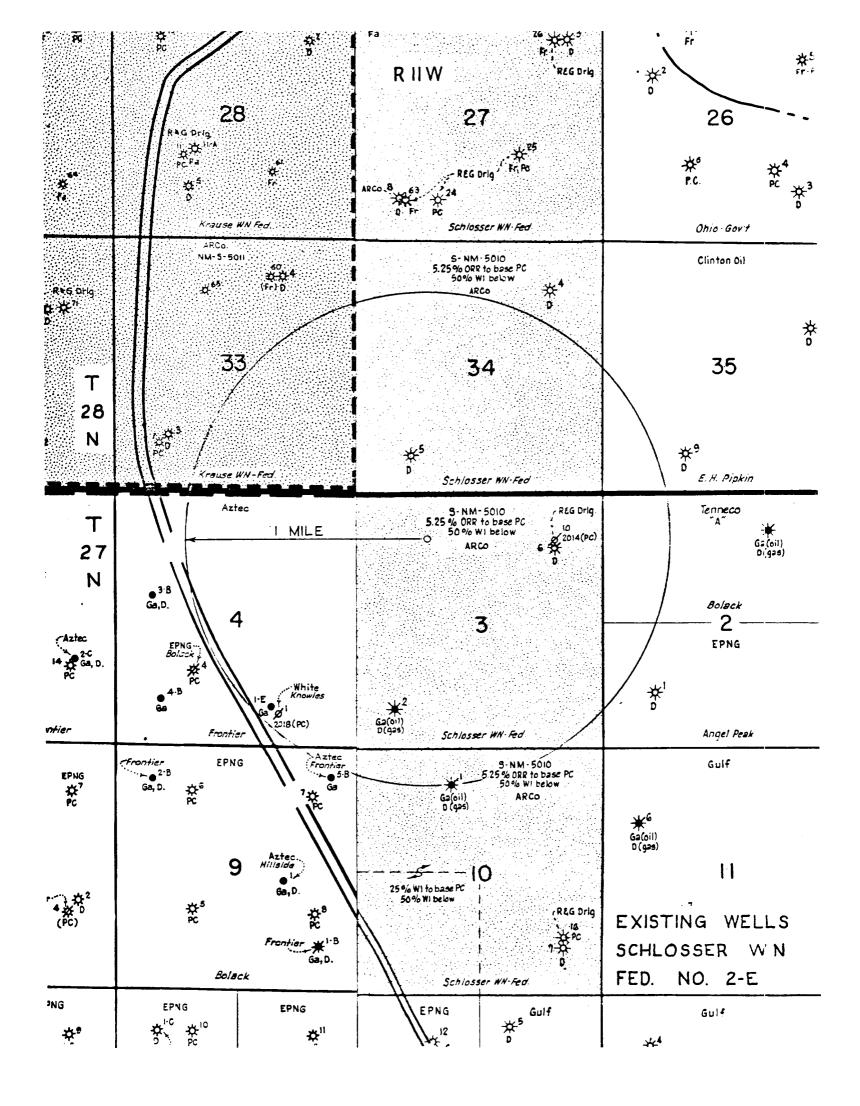
J.E. Taylor
ARCO Oil and Gas Company
Division of Atlantic Richfield Company
P. O. Box 2197
Farmington, New Mexico 87401
(505) 325-7527
325-7968

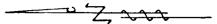
13. CERTIFICATION: I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist, that the statements made in this plan are to the best of my knowledge true and correct; and that the 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.

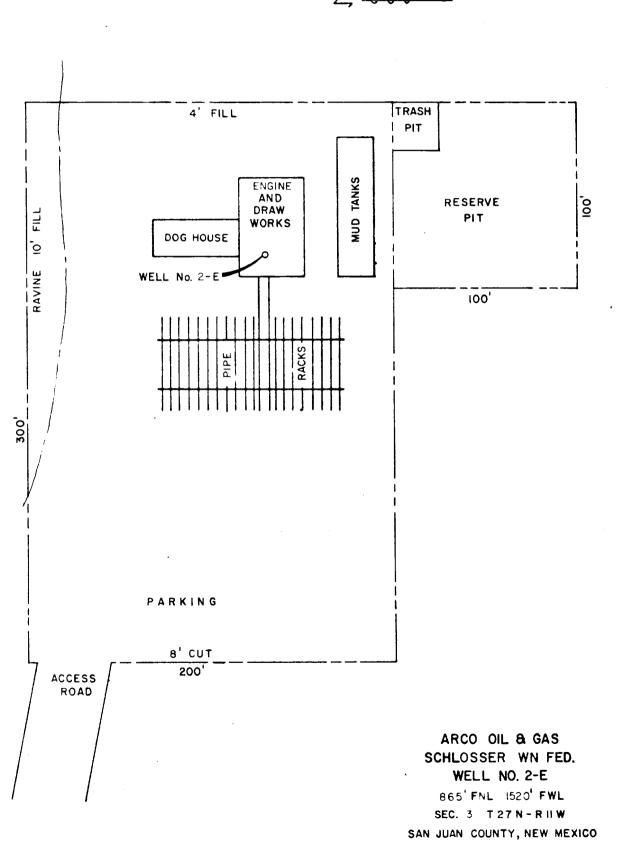
March 13,1180
Date

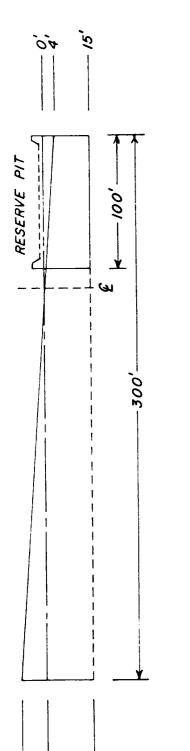
W. A. Walther, Jr. Operations Manager







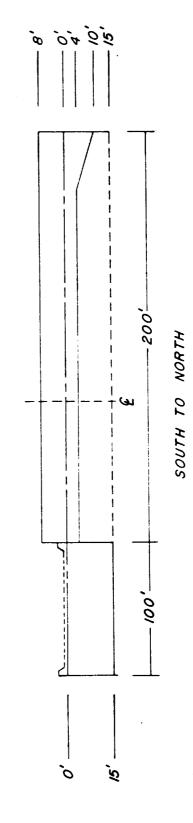




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WEST TO EAST



SCHLOSSER WN FEDERAL WELL NO. 2-E