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SUBMIT IN TRIPLICATE*

(Other instructions on

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

	DEPARTMENT	LED STATES		reverse at	de)	30-045-24216		
		GICAL SURV		11011		5. LEASE DESIGNATION AND SERIAL NO.		
APPLICATION	N FOR PERMIT			N, OR PLUG B	ACK	SF 078863 6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
la. Type of work		DEEPEN		PLUG BAC		None 7. UNIT AGREEMENT NAME		
b. TYPE OF WELL	LL xx	DEEPEN		PLUG BAC	.N [_]	None		
OIL G	AS OTHER			NGLE XX MULTIPE	TE .	S. FARM OR LEASE NAME		
, NAME OF OPERATOR	ARCO Oil & gas					Krause WN Federal		
. ADDRESS OF OPERATOR	Division of At	<u>lantic Rich</u>	field	l Company		.		
	P. O. Box 5540	do 80217				#7-E 10. FIELD AND POOL, OR WILDCAT		
Denver, Colorado 80217 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1850' FSL & 1680' FEL Section 32						Basin-Dakota 11. sec., T., R., M., OR BLK.		
At proposed prod. zon		3H 3L				AND SURVEY OR AREA		
Approximately		REST TOWN OR POS	r office	p*		Section 37-T28N-R11W 12. COUNTY OR PARISH 13. STATE		
6 3/4 miles s	south & 1/2 mile	e west of B	loomf	ield, New Mexi		San Juan New Mexico		
5. DISTANCE FROM PROPO LOCATION TO NEAREST	r	_		. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL		
(Also to nearest drig	g. unit line, if any) 10.	50 '		560.0		320		
S. DISTANCE FROM PROP TO NUAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	50 '		19. PROPOSED DEPTH 2		ROTARY OR CABLE TOOLS ROTARY		
1. ELEVATIONS (Show who					<u> </u>	22. APPROX. DATE WORK WILL START*		
6024 ' (GL Ungraded					When Approved Approx. March 25, 1980		
3.		PROPOSED CASI	SG AND	CEMENTING PROGRA	M	Approx. marcii 23, 1300		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	COT	SETTING DEPTH		QUANTITY OF CEMENT		
12 1/4	8 5/8	24#		900	30	0 sx		
7 7/8	4 1/2	10.5#_		T.D.		0 sx		
					7			
	I	I	,		<u>'</u>	그는 용료를 가입을 하는 것이 없었다.		
thru the Ojo Al	ill well to a d lamo, and if pro will perforate,	oductive se	tting	g production ca	ion, s sing.	etting surface casing If the Dakota formation		
Pursuant to the	e provisions of	NTL-6 atta	ched			tion Plot with attachments		
						d operation		
	EIVED B19 1980			with att	achmen	ts.		
REC	B 19 1980	\	ا مان شار شار	ile her til		FEB 2 9 1980		
\	GEOLOGICAL SURVEY GEOLOGICAL N. M. ARMINGTON. N. M.					OIL CON. COM.		
one. If proposal is to reventer program, if an	drill or deepen directions					d and true vertical depths. Give blowout		
4. SIGNED <i>LETULL</i>	ecchief)	TI	rle Oj	perations Manag	er	DATE February 12, 19		
(This space for Fede	ral or State office use)	·				==OVED		

APPROVED AS AMENDED PERMIT NO. _ APPROVAL DATE TITLE _ APPROVED BY ___ CONDITIONS OF APPROVAL, IF ANY: DISTRICT ENGINEER

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f. emiss		200	1.0000				well Ho.
MARIOTON PORCO	DIL & GAS C	OMPANY	KRAUSE	WN PED	ERAL		7-E
Unit Latter	Section	Township	Harn.	C	cunty		
`.J	32	28 NOR	rh 11 W	EST	SA	IN JUAN	
Actual Febloge Loca				•			
1850	feet from the	SOUTH Inc	<u>and 1680</u>	feet fi	om the	FAST	tine colled Acreoge;
Ground Level Elev.	Producing For		BAS/N	DAKOT	A		- 320
6024	DAKO						Arins
1. Outline th	e acrenge dedica	ted to the subject	well by colored	pencil or b	anchare mark	s on the pla	al liclow.
2. If more th interest or	an one lease is id royalty).	dedicated to the	well, outline each	and ident	ify the owne.	rship therec	of (both as to working owners been consoli-
dated by c	ommunitization,	enitization, force-	booling.ctc/				
Yes			pe of consolidation				
**	•_ 4111 1:m, 4% m	owners and tract	descriptions which	have actu	ally been co	nsolidated.	(Use reverse side of
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••	1 111 1	ed to the well unt	il all interests hav	e been con	nsolidated (l	оу соттипі	tization, unitization,
No allowat	tie will be assign	or until a non-sta	ndard unit, climina	ting such	interests, ha	s been app	roved by the Division.
101000-poo	In.B. o. otherwise	,					
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DRILLING PLAN

KRAUSE WN FEDERAL #7E
SE 1/4, Section 32-T28N-R11W
San Juan County, New Mexico

- 1. SURFACE FORMATION: Poison Spider
- 2. GEOLOGICAL MARKERS:

Ojo Alamo	755 '	Upper Mancos	4547'
Kirtland	1290'	Gallup	5442'
Fruitland	1642'	Lower Mancos	5980 '
Pictured Cliffs	1853 '	Greenhorn	6232'
Lewis	1937'	Graneros	6295 '
Chacra	2792 '	Dakota	6414'
Cliff House	3405 '	Morrison	6644'
Point Lookout	4262'		

3. ANTICIPATED MINERAL BEARING FORMATIONS:

Ojo Alamo	(Poss. Wtr.)
Fruitland	(Poss. Gas)
Pictured Cliffs	(Poss. Gas)
Cliff House	(Poss. Gas)
Gallup	(Poss. Gas)
Dakota	(Poss Oil/Gas)

- 4. CASING PROGRAM: Surface to 900' 8-5/8" 24# K55 ST&C, 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 on
pipe ram.
Series - 900 (3000#WP, 600#T)
Manufacturer - Cameron or Shaffe
Pressure test at 1000 psi prior
to drilling out of casing string
Operational checks to be made
daily and on trips.
Sketch attached.

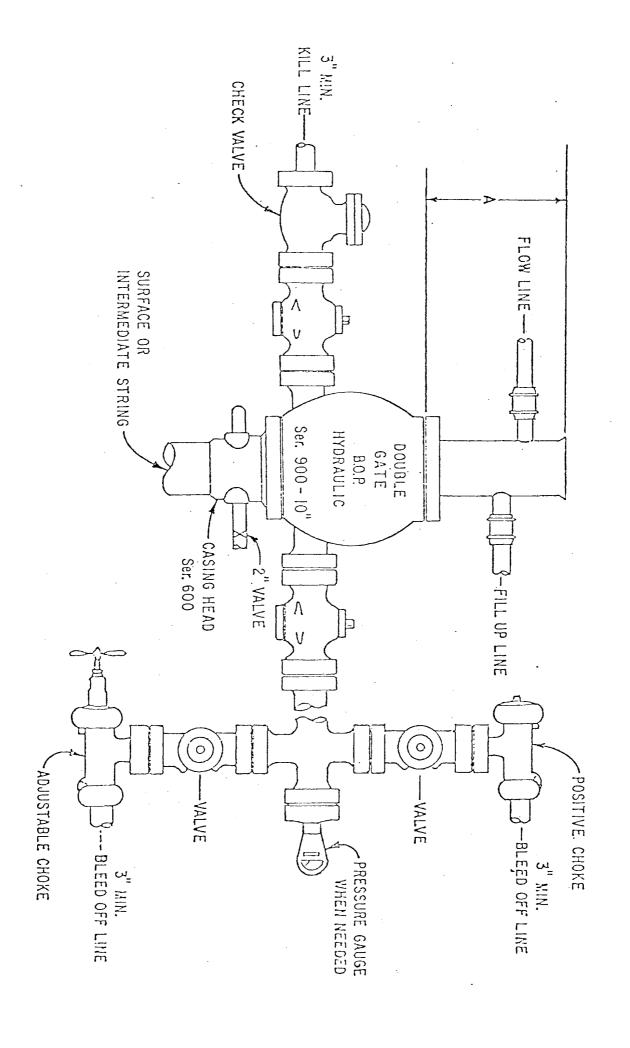
- Gel and lime to drill surface hole and set casing.

 900' to T.D. Low solids non-dispersed 9.0-9.1
 gal., 38-45 vis., WL 8 cc or les
- 7. AUXILIARY EQUIPMENT: Kelly cock

Sub on floor with full opening valve for use in drill pipe when Kelly is not in the string

- 3. 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 delay 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 March 25, 1980. Depending upon rig availability, equipment, weather, etc., this starting date could be extended.



SURFACE USE AND OPERATIONS PLAN

KRAUSE WN FEDERAL #7E
SE 1/4 Section 32-T28N-R11W
N.M.P.M., 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 Bloomfield, New Mexico approximately 7 1/4 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 approximate ly 50 feet east of this location. The road will be approximately 18' wide (sufficient to handle drill equipment). 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 several existing wells within the area two of which are listed below:

Krause WN Federal #5, SW 1/4 Section 28-T28N-R11W Krause WN Federal #6, NE 1/4 Section 29-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 Krause 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 anticpated that water will be obtained from the San Juan River approximately six (6) 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 rabbit brush, morman tea, and sage brush, with isolated spots of native grass. Drainage is to the northwest into Horn Canyon then on into the San Juan River.

This location will require a 1' cut on the south side.

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

The nearest dwelling is 5 1/4 miles north along Highway 44.

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

11. (Con't.) 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 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

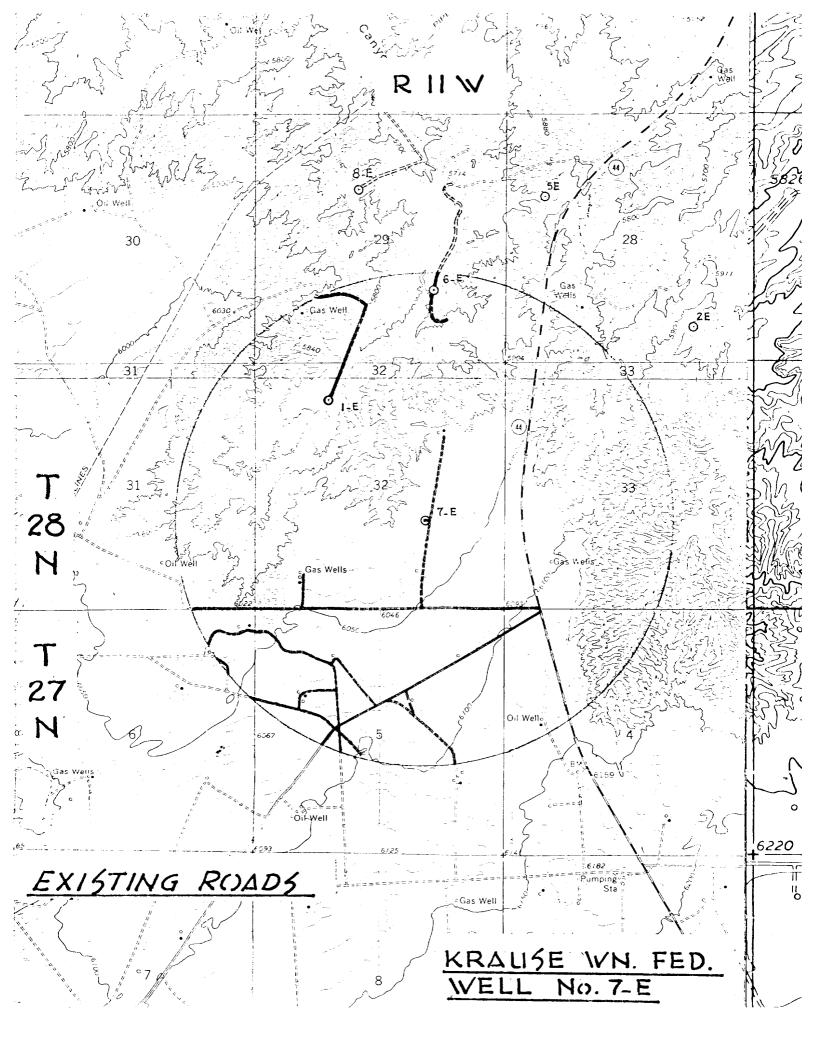
13. CERTIFICATION: I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist, that the statements made in this plan are to the best of my knowledge true and correct; and that the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

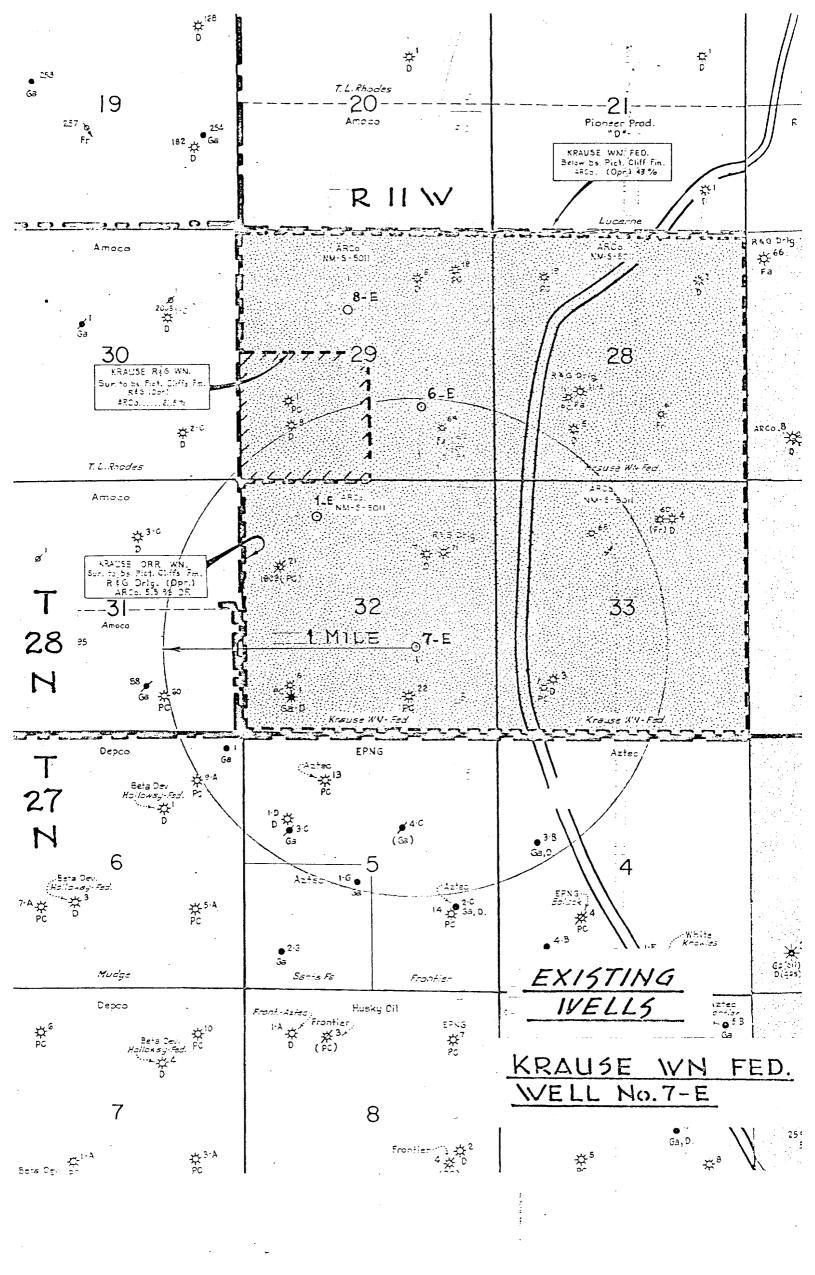
February 12, 1980

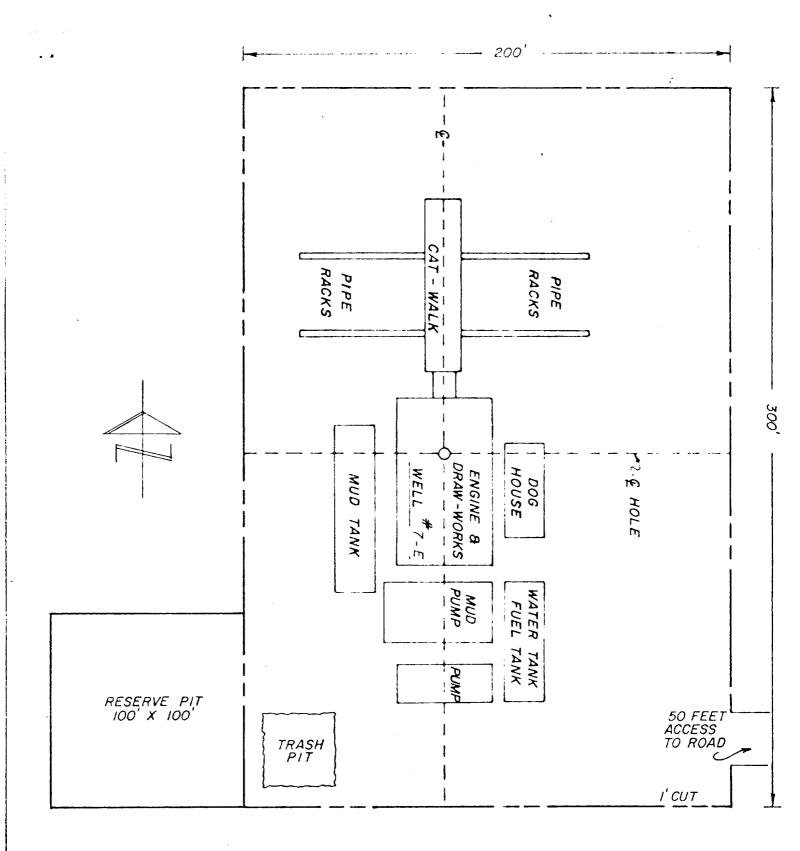
Date

W. A. Walther, Jr.

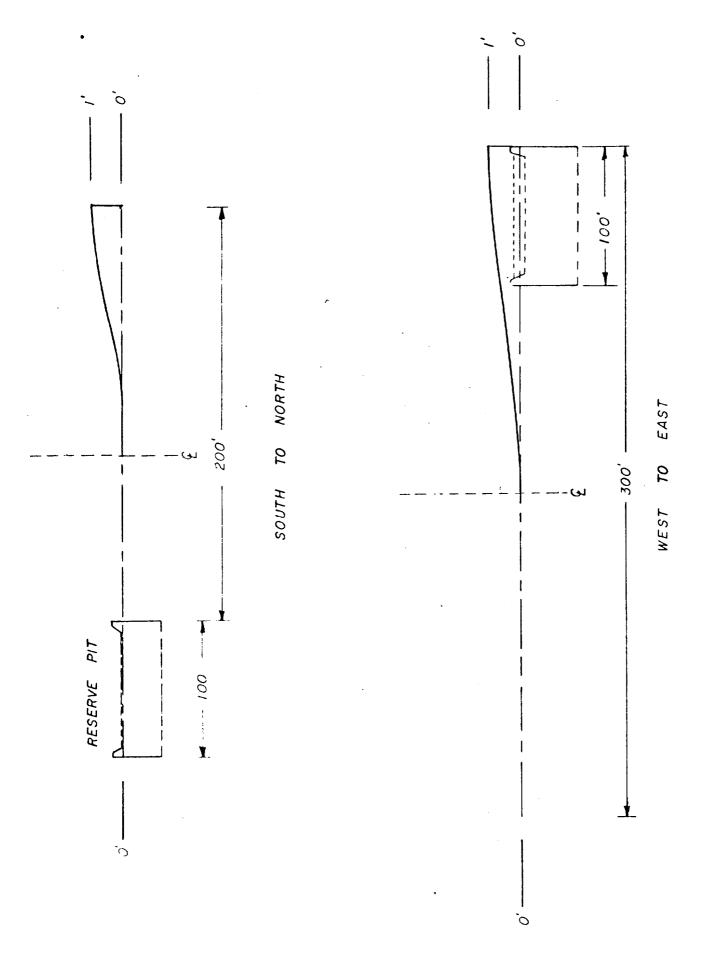
Operations Manager







KRAUSE WN FEDERAL No.7-E 1850'FSL,1680'FEL,Sec.32-28N-11W



KRAUSE WN FEDERAL WELL No. 7-E