SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.
30-145-2445-6-

UNITED STATES DEPARTMENT OF THE INTERIOR

DEFARIMENT OF THE INTENTOR						5. LEASE DESIGNATION	AND SERIAL NO.	
GEOLOGICAL SURVEY						SF_078673		
APPLICATION FOR PERMIT	6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
1a. Type of work						None 7. UNIT AGREEMENT		
DRILL XX	DEEPEN L		PLU	JG BAC	、	". CNIT AGREEMENT	NAME	
b. TYPE OF WELL OIL GAS		SINGL	E XX	MULTIPLE	: ┌┐ :	None 8. FARM OR LEASE NA	ME	
WELL XX OTHER		ZONE	A.M	ZONE				
ARCO OII & Gas		c. 11 c			Ţ	Schlosser V	NN Federal	
Division of Atlantic Richfield Company 3. ADDRESS OF OPERATOR P. O. Box 5540, Denver, Colorado 80217						ć 4F	. 7	
r. O. BOX 3340	, Denver, C	ororado	00217			10. FIELD AND POOL,	OR WILDCAT	
4. LOCATION OF WELL (Report location clearly and	in accordance wit	h any State	requiremen	nts.*)		Basin Dakot	- a	
Q At surface 790' FSL & 1120' FEL	Section 3					11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
At proposed prod. zone	5 5 55251. 5					AND SCRVIII ON NAME		
Approximately same						Sec. 3-T27N-R11W		
14. DISTANCE IN MILES AND DIRECTION FROM NEA	REST TOWN OR POST	r office*			:	12. COUNTY OR PARISI	H 13. STATE	
7 1/2 miles north & 1 mile	west to Blo	omfield	l, New	Mexico		San Juan	New Mexic	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST		16. No. OF	F ACRES IN	LEASE		OF ACRES ASSIGNED HIS WELL		
PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 152	0'		2566.96			320 E/321.60		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 356			SED DEPTH		20. ROTA	TARY OR CABLE TOOLS		
	0'	6760				Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.)					-	22. APPROX. DATE WORK WILL START* When approved approx.		
6118' GL Ungraded						March 10,		
23.	PROPOSED CASIN	G AND CI	EMENTING	PROGRAI	M			
SIZE OF HOLE SIZE OF CASING	WEIGHT PER FO	оот	SETTING D	EPTH		QUANTITY OF CEMI	ENT	
12 1/4 8 5/8	24#		925' 300		300	sx		
7 7/8 4 1/2	10.5#				500 sx			
				ļ		ž i	•	
Proposed to drill well to a	donth to t	oct th	a Dakat	'a Form	ation	setting surf	ace casing	
thru the Ojo Alamo, and if	nroductive	setting	e produ	ction o	rasino	If the Dak	ota formatic	
is productive will perforat						:		
15 productive will perform	, 2002 a				-	•		
Pursuant to the provisions	of NTL-6 at	tached	are:	Certif	ied Lo	cation Plot		
Drilling Pla Surface use						an with attachments and operation plan		
					e e			
1					1	Der a man		
					[] [] [] [] [] [] [] [] [] [] [] [] [] [A	3 1	
					SUCUL	STATE OF WAR COM	เกล ใกล้เล	
4 1 14					"GENET	A = 2.31, 3		
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If	proposal is to deep	nen or nlug	hack give	data on pr	esent nro	ductive zone and pro-	sed new productive	
zone. If proposal is to drill or deepen direction	ally, give pertinen	t data on s	ubsurface 1	ocations an	d measure	ed and true vertical dep	oths. Give blowout	
preventer program, if any.								
24.						-	10/100	
SIGNED MUMICULARY	тг	ть Оре	rations	s Manag	er	DATE	2/1/20	
(This space for Federal or State office use)								
							1	
						N 1-1	1.37	
PERMIT NO.	 	AP	PROVAL DAT	Е		+ A	1	

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CONDITIONS OF APPROVAL, IF ANY:

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P. O. DOX 7088 =

for C-10? Festied 10-1-78

SANTA FE, NEW MEXICO 87501

All distances must be from the outer boundaries of the Section Wel! 110. . 114101 6-E HRAUSE WM FEDERAL ARCO OIL AND GAS COMPANY 112:00 County Te on white Section inti Letter SAN JUAN 11 WEST 28NORTH Ĩ -cival lestage Location of well: EAST 1520 1520 feet from the SOUTH line and Dedicated Acresses: Producting Formotion would Level Lier. 5772 1. Outline the acrenge dedicated to the subject well by colored pencil or hachore 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 _ Yes No 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, faced-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 consoined herein is true and complete to the Existing well test of my knowledge and belied #6 0 allalla W. A. Walther Position Operations Manager Company ARCO Oil & Gas Company February 6, 1980 29 December 14, Certificate No. 1463 1000 1300 1320 1630 1650 2910 2640

SCHLOSSER WN FEDERAL #6E NENE SECTION 3-T27N-R11W SAN JUAN, COUNTY, NEW MEXICO

SURFACE FORMATION: Poison Spider

2. GEOLOGICAL MARKERS:

Ojo Alamo	805 '	Upper Mancos	4611 '
Kirtland	1356'	Gallup	5 506 '
Fruitland	1704'	Lower Mancos	6045
Pictured Cliffs	1916'	Greenhorn	6296 '
Lewis	2005'	Graneros	6355 '
Chacra	2855 '	Dakota	6478 '
Cliff House	3466'	Morrison	6708 '
Point Lookout	4325 '		
TOTAL DOORGOOD			

3. ANTICIPATED MINERAL BEARING FORMATIONS:

Ojo Alama (Poss. water)
Fruitland (Poss. Gas)
Pictured Cliffs (Poss. Gas)
Cliff House (Poss. Gas)
Gallup (Poss. Gas)
Dakota (Poss Oil/Gas)

4. CASING PROGRAM: SURFACE to 925' 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 one pipe

ram.

Series - 900 (3000#WP, 600#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.

6. DRILLING FLUIDS: 0 to 925'

Gel and lime to drill surface hole and

set casing.

925' to T.D.

Low solids non-dispersed 9.0-9.1# gal.,

38-45 vis., WL 8 cc or less.

7. AUXILIARY EQUIPMENT: Kelly cock

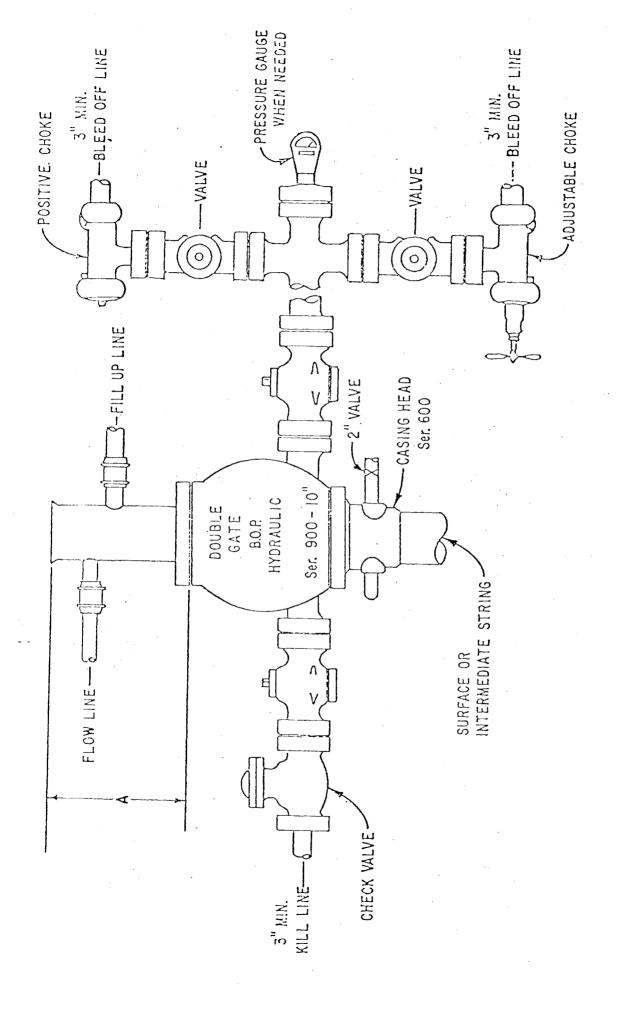
Sub on floor with full opening valve for use in drill

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 March 10, 1980. Depending upon rig availability, equipment, weather, etc., this starting date could be extended.



Schlosser WN Federal #6E
SE 1/4 Section 3-T27N-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 5 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 leave the existing road approximately 50 feet from this location. The road will be approximately 18' wide (sufficient to handle drill equipment). The grade will not exceed 8%.
- 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 them 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 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 willbe similar to the above wells.

- 5. WATER SUPPLY: It is anticipated that water will be obtained from the San Juan River approximately 7 1/4 miles north and 1 mile west 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 specifieded 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 scrub cedar, morman tea, sage brush and a few sprigs of native grass. Drainage is to the east into Kutz Canyon then on into the San Juan River approximately 7 miles north.

This location will require a 3' cut on the west sides and a 2' side fill on east side.

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

11. (Continued) The nearest dwelling is 5 1/2 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 Oil & Gas Company Division of Atlantic Richfield Company Post Office 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.

Feb 5 1480 DATE

W. A. Walther, Jr.
Operations Manager