SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

30-039-2/459
5. LEASE DESIGNATION AND SERIAL NO.

UNITED STATES				
DEPARTMENT	OF	THE	INTERIOR	

	GEOLO	GICAL SURVI	EY	7114 14 817
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				BACK 6. IF INDIAN; ABLOTTEE OR TRIBE NAME
a. TYPE OF WORK	LL 🖳	DEEPEN [PLUG BA	ACK 7. UNIT AGREEMENT NAME
. TYPE OF WELL OIL GA	**		SINGLE MUL'	8. FARTURE Capyon Unit
AME OF OPERATOR	PYON COMPANY			9. WELL NO.
ADDRESS OF OPERATOR				10. FIELD AND TOOL, OR WILDCAT
501 AIRPORT LOCATION OF WELL (Re	PATE TATE THE PORT OF THE PARTY AND THE PART	i in accordance wi	th any State requirements.*)	
	8L & 1120 PWL,	Section 23	, T-28-N, R-4-W	AND SURVEY OR AREA
At proposed prod. zone	•		,	NW/4 NW/4 Section 2:
DISTANCE IN MILES A	ND DIRECTION FROM NEA	REST TOWN OR POS	T OFFICE*	12. COURT OF PARISH IS. STATE
3 miles SR o	f Gobernador		16. NO. OF ACRES IN LEASE	17. NO. OF ACRES OS ANKIDE NM
LOCATION TO NEAREST PROPERTY OR LEASE L	INE, FT.	ann i		TO THIS WELL
(Also to nearest drlg DISTANCE FROM PROPO TO NEAREST WELL, DR	OSED LOCATION*	820 ′	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
OR APPLIED FOR, ON THI	S LEASE, FT.	2750'	44001	22. APPROX. DATE WORK WILL START*
	ther DF, RT, GR, etc.)			22. AFFROX, DATE WORK WILL START
7324 est. CL		PROPOSED CASI	NG AND CEMENTING PROC	GRAM AS SOON AS PERMITTED
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	OOT SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	30:01	225 sx
6-1/4*	4-1/2"	9.5#	44001	1040 sx
Field. The vipletion design	vell will be do	rilled with ed on open !	a low solids non- hole logs. This a	Chosa Mesa Pictured Cliffs dispersed sud system. Con- acreage is not dedicated. AUG 61 Aug. U. S. CEOLOGICAL CHINEY
ne. If proposal is to eventer program, if an	drill or deepen direction	ally, give pertinen	t data on subsurface locations	n present productive zone and proposed new productive s and measured and true vertical depths. Give blowout
(This space) for Fede		II	TLE Area Engineer	DATE 7/23/77
	ral or State office use)		Area Engineer	DATE 7/28/77
PERMIT NO.	ral or State office use)		APPROVAL DATE	DATE 7/28/77

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either

a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form

and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, show-

applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

State or Federal office for specific instructions.

be obtained from, the local Federal and/or State office.

ing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices. Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone. Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025/VIII-239

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Well No. Lease Operator IJ Valencia Canyon Unit Amoco Production Company Township Unit Letter Rio Arriba μW 28N Actual Footage Location of Well: West 1120 line and feet from the North feet from the Dedicated Acreage: Producing Formation Ground Level Elev. 160 CHOZA MESA PICTURED CLIFFS PICTURED CLIFFS Acres 732և 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 _ | Yes 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 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. 11201 L. KRUPKA Position AREA ENGINEER AMOCO PRODUCTION COMPANY JULY 28, 1977 23 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed June 16, Registered Professional and/or Land Surveya Fred B. 3950

2000

1500

1000

1320 1650

660

1980 2310

VALENCIA CANYON UNIT NO. 14 820 FNL & 1120 FWL, SECTION 23, T-28-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO CERTIFICATION

Thereby 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 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 Amoco Production Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date

AREA SUPT.

ame and Title

DEVELOPMENT PLAN VALENCIA CANYON UNIT NO. 14 820 FNL & 1120 FWL, SECTION 23, T-28-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO

The proposed location has big sagebrush and various grasses with occasional pinon trees. The geological name of the surface formation is the Paleozoic San Jose. A new road 4200' will be required. No construction materials will be used for building the location; dirt will be leveled at the well site. Verbal approval of the drill site has been obtained from Mr. Dick C. Cooke, U. S. Forest Service; Mr. Jerry Long, USGS; and Ms. Dabney Ford, Archaeologist.

Arrangements are being made to haul water from Carrizo Wash or from the El Paso water hole on existing roads, approximately ten miles. Drilling fluid to TD will be a low solids non-dispersed mud system. Upon completion the location will be cleaned up and leveled. Drilling mud and water will be hauled away and the reserve pit backfilled. Attached is the seeding plan to be followed for this well.

There are neither airstrips nor camps in the vicinity.

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	DEPTH	ELEVATION ELEVATION
Pictured Cliffs	4205 '	+3125'
Lewis Shale	4355 '	+2975'

Estimated KB elevation: 7334'

Est. Depth	Csg. Size	Weight	<u>Hole Size</u>	Sacks Cement - Type
300' 4400'	8-5/8" 4-1/2"	24# 9.5#	12-1/2'' 7-7/8''	175 sx - Class "B", 2% CaCl ₂ . 990 sx - Class "B", 6% Gel, 2# Med. Tuf Plug/sx. 50 sx - Class "B" Neat.

Amoco's standard blowout prevention will be employed, see attached drawing for blowout preventer design.

Amoco plans to run the following logs: from 300' to TD, Induction-Electric; from 2470' to TD, Density-Gamma Ray. No cores or Drill Stem Tests will be taken.

In the past, drilling in this area has shown that no abnormal pressure, temperatures or hydrocarbon gas will be encountered.

We will start operation as soon as well is permitted, and a two-week operation is anticipated.

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SEEDING FLAT

1. TIME:

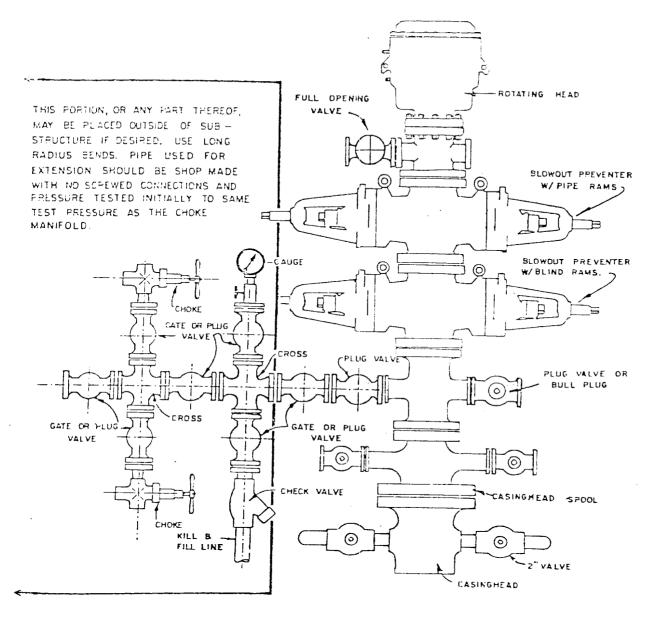
All seeding will take place between July 1, and September 15, 1978, or as required by the U. S. Forest Service.

2. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, no up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

3. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

Crested Wheatgrass	0.71 lbs.
Russian Wild Rye	0.86 lbs.
Perennial Rye Grass	0.57 lbs.
Western Wheatgrass	1.43 lbs.
Smooth Brome	1.14 lbs.
Intermediate Wheat	0.91 lbs.
Pubescent Wheatgrass	1.09 lbs.
Orchard Grass	.298 lbs.



BLOWOUT PREVENTER HOOKUP

EXHIBIT D-4
OCTOBER 16,1969

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