SUBMIT IN TRIPLICATE*

Form approved, Budget Bureau No. 42-R1425.

5. LEASE DESIGNATION AND SERIAL NO.

(Other instructions on reverse side)

30-039-21599

UNITED STATES					
DEPARTMENT	OF	THE	INTERIOR		

	GEOL	OGICAL SURVEY		NM 14924	
APPLICATIO	N FOR PERMIT	TO DRILL, DE	EPEN, OR PLUG	BACK 6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
A. TYPE OF WORK	ILL 🛣	DEEPEN [PLUG BA	7. UNIT AGREEMENT NA	ME
D. TYPE OF WELL	ILL 🖭		I LOO DA	Valencia Canyo	n Hait
	VELL OTHER		SINGLE MULTI	8. FARM OR LEASE NAM	E
NAME OF OPERATOR				0. ****** ***	
AMOCO PRODUCTION ADDRESS OF OPERATOR	CTION COMPANY			9. WELL NO.	
	DETUE PARKE	ICTON, NM 8740	1	10. FIELD AND POOL, OR	WILDCAT
LOCATION OF WELL (I	Report location clearly a	and in accordance with a	ny State requirements.*)	Choza Mesa-Pic	OK T
At surface 990']	PNL x 1650' FE	L, Section 36,	T-28-N. R-4-W	11. SEC., T., R., M., OR BI AND SURVEY OR ARE	LK.
At proposed prod. zo:		•	-	NW/4 NE/4 Sec.	_
Same		TO THE TOWN OF WORK O	www.cn\$	T-28-N, R-4-W	10
		WEAREST TOWN OR POST O	FF1CE+	12. COUNTY OR PARISH	13. STATE
. DISTANCE FROM PROP	of Gobernador		6. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED	NM
LOCATION TO NEARES PROPERTY OR LEASE	LINE, FT.	990'	640	TO THIS WELL	
(Also to nearest drl	POSED LOCATION*		9. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS	
TO NEAREST WELL, I OR APPLIED FOR, ON TH	DRILLING, COMPLETED, HIS LEASE, FT.	2200'	4300'	Rotary	
. ELEVATIONS (Show wh	nether DF, RT, GR, etc.))		22. APPROX. DATE WOR	K WILL START*
7205' est.	GL			As soon as we	ll permitt
		PROPOSED CASING	AND CEMENTING PROGR		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMEN	r
12-1/4*	3-5/8"	24#	3001	250 ax	
7-7/81	4-1/2	10.5#	4300'	1220 ax	
Additional :	information re ce Use Plan ar	quired by NTL-	6 for the applic	DEC 2 7 1977 L CON. COM.	ulti-
ne. If proposal is to eventer program, if an	drill or deepen directi	ionally, give pertinent d	ata on subsurface locations	DIST. 3	
SIGNED	Gt.		Area Engineer	PATE 12/19	<i>177</i>
PERMIT NO.	eral or State office use	,	APPROVAL DATE	REGEIVE	_
APPROVED BY				1111	
CONDITIONS OF APPRO		TITLE		DATE	
1	VAL, IF ANY:	TITLE		DEC 2 1 1977	
/	val, if any: VAU	TITLE		DEC 2 1 1977 U. S. GEOLOGICAL SURVI	

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY DURANGO, COLO.

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

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

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 State or Federal office for specific instructions.

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, showing 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

perator			Lease	Lease		
Amoco Production Company			Valencia Ca			20
	ection	Township	Range	County		
	. 36	28N	LW	Rio A	rriba	
l Footage Locati		mth von	md 1650	feet from the	East line	
d Level Elev:	leet from the NO Producing Fo	rth line or rmation	Pool		Dedicated	Acreage:
05	l l	ed Cliffs	Choza Mesa	Pictured Cl	liffs' 16	Acres
			t well by colored pe	ncil or hachure	marks on the plat b	elaw.
If more that interest and If more than	one lease is royalty).	dedicated to the	well, outline each a	nd identify the o	ownership thereof (k	ooth as to workin
dated by con		unitization, force-p answer is "yes;" ty	ooling.etc? pe of consolidation			
this form if No allowable	necessary.) will be assig	ned to the well unti	descriptions which h l all interests have ndard unit, eliminati	been consolidat	ed (by communitiza	ation, unitizatio
31011.					CERTII	FICATION
	Sec	36	1650'	C 2 7 1977 CON. CCM. DIST. 3	rained herein is trubest of my knowled 'Name J.L. KRUPKA Position AREA ENGINER Company AMOCO PRODUC Date DECEMBER 9, I hereby certify shown on this plat notes of actual st under my supervis	TION COMPANY 1977 that the well location was plotted from fine the second that the sale to the best of the second that the sale to the best of the second that the sale
					Date Surveyed December 3; Registered Professional Land Surveyor	1977 Dnaj Engineer

SUPPLEMENTAL INFORMATION TO FORM 9-331C REQUIRED BY NTL-6 VALENCIA CANYON UNIT NO. 20 990' FNL & 1650' FEL, SECTION 36, T-28-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO

The geologic name of the surface formation is the Paleozoic San Juan.

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	DEPTH	ELEVATION
Pictured Cliffs	3995'	+3220'
Lewis Shale	4195'	+3020'
TD	4300°	

Estimated KB Elevation: 7215'

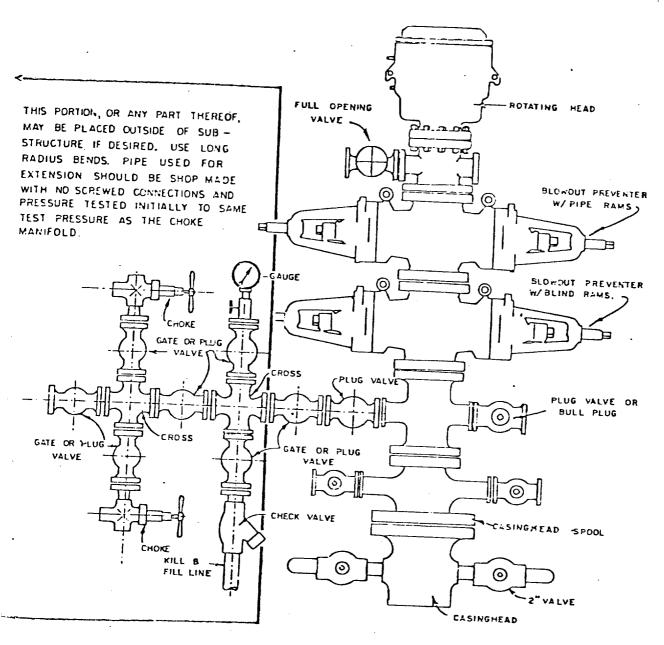
EST. DEPTH	CSG. SIZE	WEIGHT	HOLE SIZE	SACKS CEMENT - TYPE
300' 4300'	8-5/8" 4-1/2"	24# 10.5#	12-1/4" 7-7/8"	250 sx - Class "B", 2% CaCl ₂ . 1120 sx - Class "B", 6% Gel, 2# Med. Tuf Plug/sx.
				100 sx - Class "B" Neat.

Amoco's standard blowout prevention will be employed; see attached drawing of our blowout preventer design.

Drilling fluid to TD will be a low solids non-dispersed mud system.

Amoco plans to run the following logs: from TD to 300', Induction-Electric; from TD to 2300', 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, nor hydrocarbon gas will be encountered.



BLOWOUT PREVENTER HOOKUP

EXHIBIT D-4 OCTOBER 16,1969

MULTI-POINT SURFACE USE PLAN

VALENCIA CANYON UNIT NO. 20 990' FNL & 1650' FEL, SECTION 36, T-28-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO

- 1. The attached road map and sketch show the proposed route to the location and distances from towns.
- The planned access road will consist of improving eight-tenths of a mile of road and installing two cattleguards.
- 3. Existing oil and gas wells within a one mile radius of our proposed well have been spotted on the vicinity map.
- 4. There is a 210-barrel storage tank and facilities located at Valencia Canyon Unit No. 4 which is spotted on the vicinity map.
- 5. Water will be hauled from Carrizo Wash or from the El Paso water hole approximately 10 miles on existing roads.
- 6. No construction materials will be hauled in for this location.
- Excess mud will be hauled out of the reserve pit and bladed into existing roads. The Forest Ranger will be notified before mud is bladed into roads.
- 8. There are neither airstrips nor camps in the vicinity.
- 9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 7-foot cut will be necessary on the northwest side of this location.
- 10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drilling mud will be hauled away and the reserve pit back filled. Reseeding of the site will be carried out as detailed in the attached Seeding Plan.
- 11. The general topography and soil characteristics are a sandy-clay with various native grasses and sage brush, along with pinon and cedar trees.
 - Representatives of the U. S. Geological Survey and U. S. Forest Service have inspected the site and found it suitable for drilling. No cultural resources were found when inspected by Ms. Suzanne DeHoff, Archaeologist.
- 12. A Certification Statement by Amoco's representative is included.