#### SUBMIT IN TRIPLICATE\*

(Other instructions on

Form approved.

**IINITED STATES** reverse side)

	Budget	Bureau	No.	42-1	R1425.
)	n . /	30		$\supset I$	20

W-7/ 4	7 4/4	_		<del></del>					
6-1/4"	4-1/2"	9.			7G '	_	10A0 a		
12-1/4"	8-5/8"	24#		1	201	-	225 -		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PE	R FOOT	SETTIN	G D <b>ЕРТН</b>		QUANTITY OF	CEMENT	
23.		PROPOSED CA	SING AND	CEMENTI	NG PROGR	AM	•		
7396' GL es	it.						Apri.	1 12,	1977
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)						22. APPROX. DA	TE WORK	WILL START*
TO NEAREST WELL, DI OR APPLIED FOR, ON THI	RILLING, COMPLETED, S LEASE, FT.	7200'		4470	•		Rotary		
(Also to nearest drlg 18, DISTANCE FROM PROP	OSED LOCATION*		19. РЕОРОЅЕВ ВЕРТН 20.		20. ROTA	RY OR CABLE TOOL	s		
LOCATION TO NEAREST PROPERTY OR LEASE L	INE, FT.	1120'		640		10 1	160		
15. DISTANCE FROM PROPO	SED*	<u> </u>	16. No.	OF ACRES	IN LEASE		OF ACRES ASSIGNED		
	of Gobernado						Rie Arri	h.	New Merico
Same 14. DISTANCE IN MILES A	ND DIRECTION FROM NE	AREST TOWN OR P	OST OFFICE	•			12. COUNTY OR 1	PARISH   1	3. STATE
At proposed prod. zone	2						SE/4 SW/		10n 23,
1120' <b>FS</b> I	. & 1690' FWL,	Section 2	5, T-28	-N, R-	i-W		AND SURVEY	OR AREA	
1. LOCATION OF WELL (Re	port location clearly ar	d in accordance	with any St	ate require	nents.~)		11. SEC., T., B., 1		tured Clif
501 Airport	Drive, Farmi	agton, New	Mexico	8740	L nonta *)		10. FIELD AND I	, .	
3. ADDRESS OF OPERATOR								4	
AMOCO PRODU	CTION COMPANY						9. WELL NO.	_	
WELL WI 2. NAME OF OPERATOR	CLL A OTHER			: <del>-</del>					
b. TYPE OF WELL OIL GA			SIN	GLE X	MULTIP ZONE	LE	8. FARM OR LEA		
	L X	DEEPEN		Р	LUG BA	CK 📋	Valenci	Canv	on Unit
1a. TYPE OF WORK			_				7. UNIT AGREEM	ENT NAME	
APPLICATION	FOR PERMIT	TO DRILL,	DEEPE	N, OR	PLUG E	BACK_	6. IF INDIAN, AL	LOTTEE OR	TRIBE NAME
GEOLOGICAL SURVEY							Valenci	a Cany	on Unit
DEPARTMENT OF THE INTERIOR						5. LEASE DESIGN	7219	FEBAL NO.	
		T OF THE	INTER				$\mathcal{L}(\mathcal{L}(\mathcal{L}))$	-37 ~	0/05/

Field. The well will be drilled with a low solids non-dispersed mud system. Completion design will be based on open hele logs. This acrosse is not dedicated. Attached is a Development Plan required by MTL-6.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

meny SIGNED \_ (This space for Federal or State office use) APPROVAL DATE \_ PERMIT NO. DATE TITLE APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

at a magail survey

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, 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 applicable State or Federal regulations concerning subsequent work proposals or reports on the well. State or Federal office for specific instructions.

General: This form is designed for submitting proposals to perform very operations. 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

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

Instructions

All distances must be from the outer boundaries of the Section.

<u> </u>								
Operator			Lease			Well No.		
Amoco Production Company			Valencia Car					
Unit Letter	Section	Township	Range	County	A			
N Actual Footage Loc	25 ation of Well:	28N		I HIO A	Arriba			
1120		outh line and	1690	feet from the V	lest	line		
Ground Level Elev:	Producing For		Pool		<del></del>	ited Acreage:		
7396 est.	Pictured	Cliffs	Choza Mesa	Pictured Cl	liffs 159	Acres		
	_	ted to the subject				• •		
	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?							
Yes	No If a	nswer is "yes;" type	of consolidation _			:		
		owners and tract des	scriptions which ha	ve actually bee	en consolidated.	(Use reverse side of		
No allowai						tization, unitization, oved by the Commis-		
					CER	RTIFICATION		
	53	1501			I hereby certify	that the information con-		
	l		~_ <b>4</b>		1	true and complete to the		
	4				best of my know	rledge and belief.		
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	1				Company AMOCO PRO	DUCTION COMPANY		
5280	1	Se <b>c</b>			Date February	22, 1977		
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	53501	\$ 900	1		February	18, 1977		
		S 80°20' E			Registered Profes			
	•				Full &			
					Fred B. R	err/dr		
					Certificate No.	Williams		

# VALENCIA CANYON UNIT NO. 4 1120' FSL & 1690' FWL, SECTION 25, T28N, R4W RIO ARRIBA COUNTY, NEW MEXICO CERTIFICATION

I hereby certify tha	t I, or persons u	nder my direct supe	rvision,
have inspected the p	roposed drillsite	and access route,	tha <b>t</b> I
am familiar with the	conditions which	presently exist; t	hat the
statements made in t	his plan are, to	the best of my know	ledg <b>e</b> ,
true and correct; an	d, that the work	associated with the	e operation <b>s</b>
proposed herein will	be performed by	Amoco Productio	n
Company	and its contra	ctors and sub-contr	actors in
conformity with this	plan and the term	ms and conditions u	inder which
it is approved.	•		

March 24, 1977

Date

An Moule men, Area Engineer
Name and Title

# DEVELOPMENT PLAN VALENCIA CANYON UNIT NO. 4 1120' FSL & 1690' FWL, SECTION 25, 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. No new road 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. Jim Tensfield, U. S. Forest Service; Mr. Donald Englishman and Mr. Russ Cook, USGS; and Mrs. Mary Thul, 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	
Pictured Cliffs	4281'	+3125'	
Lewis Shale	4431'	+2975'	

Estimated KB elevation: 7.406'

Est. Depth	Csg. Size	Weight	Hole Size	Sacks Cement - Type
300 <b>'</b>	8-5/8"	24#	12-1/4"	175 sx - Class "B", 2% CaCl <sup>2</sup> .  990 sx - Class "B", 6% Gel, 2# medium Tuf Plug/sx.  50 sx - Class "B" Neat.
4470 <b>'</b>	4-1/2"	9.5#	7-7/8"	

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

Amoco plans to run the following logs: from TD to 300', 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.

Our proposed starting date is April 12, 1977, and a two-week operation is anticipated.

e e edigid, survey

#### SEEDING PLAN

#### 1. TIME:

All seeding will take place between July 1 and September 15.

## 2. EQUIPMENT:

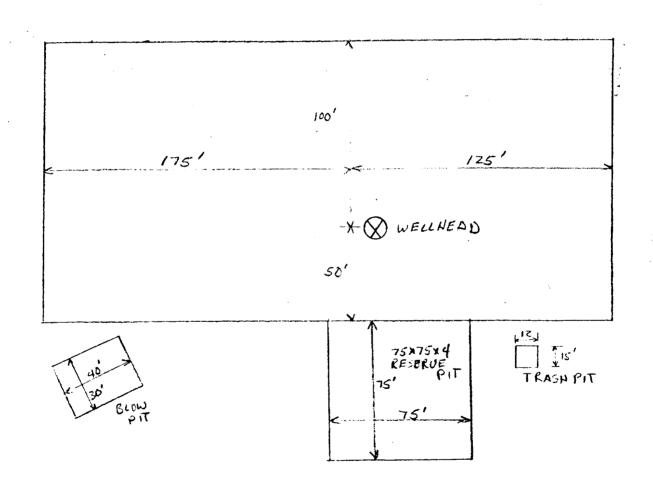
Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, not 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	0.7 lbs.
RUSSIAN WILD RYE	0.86 lbs.
ORCHARD GRASS	0.298 lbs.
PERENNIAL RYE GRASS	0.57 lbs.
WESTERN WHEAT GRASS	1.43 lbs.
SMOOTH BROME	1.14 lbs.
INTERMEDIATE WHEAT	0.91 lbs.
PUBESCENT WHEAT GRASS	1.09 lbs.

STRAFT STRAFT

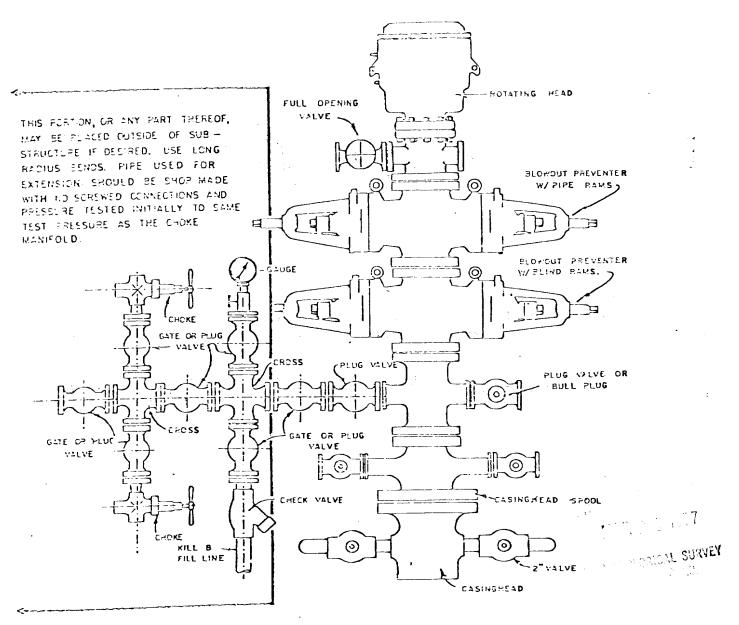
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APPRIXIMATELY 1.25 ACRES

A MARCAL SURVEY

Amoco Production Company	SCALE: NONE
ORILLING LOCATION SPECS. VALENCIA CANYON UNIT	DRG. NO.



BLOWOUT PREVENTER HOCKUP

OCTOBER 16,195:

