### SUBMIT IN TRIPLICATE\*

Form approved. Budget Bureau No. 42-R1425.

### (Other instructions on reverse side) UNITED STATES DEPARTMENT OF THE INTERIOR

	DEPARTMEN	TOF THE		reverse s	ide)	30-036	-21350	
		OGICAL SUR				Valencia Car	aven Unit	
APPLICATION	FOR PERMIT	TO DRILL,	DEEPE	N, OR PLUG I	BACK	6. ALANDAN AMART	E OR TRIBE NAME	
la. TYPE OF WORK		DEEPEN		DI LIC DA	CV 🖂	7. UNIT AGREEMENT	NAME	
b. TYPE OF WELL		DEEPEN		PLUG BA	CK 🗀	Valencia Ca		
	AS ELL OTHER		SIN ZON		LE	8. FARM OR LEASE NA	AME	
2. NAME OF OPERATOR  AMOCO PRODU	CTION COMPANY					9. WELL NO.		
ADDRESS OF OPERATOR						3		
L LOCATION OF WELL (R	Drive, Farmis	•			·	10. FIELD AND POOL,	or WILDCAT  Actured Clif	
At surface						11. SEC., T., R., M., OR		
At proposed prod. zon	PML & 1520' Y1	ni, section	. 44, I	-20-H, K-4-H		SW/4 NE/4 Se T-28-N, R-4-1	ction 22,	
4. DISTANCE IN MILES	AND DIRECTION FROM NE	AREST TOWN OR PO	ST OFFICE*			12. COUNTY OR PARISI		
8 miles SE	of Gobernador		1.10.30			Rio Arriba	New Mexico	
LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	INE, FT.	1520	16. NO.	of acres in lease		OF ACRES ASSIGNED HIS WELL 160		
18. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION*			POSED DEPTH	20. ROTA	). ROTARY OR CABLE TOOLS		
OR APPLIED FOR, ON THE	IS LEASE, FT.	3800'	1 .	44001		Rotary  22. APPROX. DATE WORK WILL START*		
7319' GL et						March 25.		
23.		PROPOSED CAS	ING AND	CEMENTING PROGR	AM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER	FOOT	SETTING DEPTH		QUANTITY OF CEME	GNT	
12-1/4"	8-5/8"	24#		3001		225 ex		
7-7/8"	4-1/2"	9.5	£	4400'	-	1030 sx		
	drill or deepen direction	Plea requ	<b>ired</b> by	y <b>KTL-6.</b>	OIL	AR 2 8 1977 CON. COM. DIST. 3	ed new productive	
SIGNED HE	rough	EM T	ITLE	rea Engineer		DATE	24-77	
(This space for Fede	ral or State office use)	J						
PERMIT NO			A	PPROVAL DATE				
APPROVED BY		r	ITLE		ا د ا	L RATE -4-1	7	
CONDITIONS OF APPROV	AL, IF ANY:		/	1		F. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
				F			13AE <b>A</b>	
		*See Instr	uctions C	On Reverse Side	•		•	

Instructions

acrederal 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. 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

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, a lowing 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

### NE JEXICO OIL CONSERVATION COMMISSIC WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator			1_ease				Well No.	
Amoco Production Company			<b>_</b>			3		
Unit Letter	t Letter Section Township			Range County				
G	22	28N .		ТАМ	Rio .	Arriba		
Actual Footage Loc	**		3 C00			- 1		
1530 Ground Level Elev.	feet from the NO Producing For	orth line and	1520	feet	t from the	East	line	
7319 est.	_	d Cliffs	1	a Mesa Pict	ured Cl	iffe	Dedicated Acreage:	
		ited to the subject w						Acres
1. Outiline th	c dereage dedrea	ned to the subject w	en by co	noted pencil of	r nachure	marks on tr	ie plat below.	
2. If more th interest an	an one lease is nd royalty).	dedicated to the wel	l, outline	e each and ide	ntify the c	ownership tl	hereof (both as to wor	king
3. If more that dated by c	on one lease of dommunitization, u	lifferent ownership is unitization, force-pool	dedicateding. etc?	d to the well, l	have the i	nterests of	all owners been cons	∍oli-
Yes	No If a	nswer is "yes," type o	of consoli	idation				
	•	+ <u>3</u>	l. a					
If answer i	is "no," list the	owners and tract desc	riptions	which have ac	tually bee	en consolida	ited. (Use reverse sid	e of
	necessary.)	1 1 11 41 1				<u> </u>		
forced-pool	ing or otherwise	ed to the well until all	l interest	ts have been c	onsolidate	ed (by com	munitization, unitizat	ion,
sion.	ing, or otherwise)	or until a non-standar	a unit, e	ilminating suci	n interests	s, has been	approved by the Com	mis-
		<u></u> .				<u> </u>	<del></del>	
	.						CERTIFICATION	
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	i			İ		Date Falson		
	i s	Sec		1		rebr	uary 22, 1977	
	.	22	-	1				
	l			1	}	I hereby	certify that the well loca	tion
	į			1		shown on	this plat was plotted from f	ield'
	1						ictual surveys made by me	
				1	1		supervision, and that the s	
1	i		<u>". '</u>	Line 1			nd correct to the best of ond belief.	my
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						Certificate N		
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# VALENCIA CANYON UNIT NO. 3 1530' FNL & 1520' FEL, SECTION 22, T28N, R4W RIO ARRIBA COUNTY, NEW MEXICO CERTIFICATION

I hereby 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.

March 24, 1977

Date

Hiller merarea Engineer

Name and Title

" PRICAL SURVEY

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## DEVELOPMENT PLAN VALENCIA CANYON UNIT NO. 3 1530' FNL & 1520' FEL, SECTION 22, T28N, R4W RIO ARRIBA COUNTY. NEW MEXICO

The proposed location has big sagebrush and various grasses with occasional Firm and Cedar trees. The geological name of the surface formation is the Paleozoic San Jose. One thousand feet of 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 Jim Tensfield, U.S. Forest Service; Donald Englishman and Russ Cook, USGS; and Mrs. Mary Thul, Archaeologist.

Arrangements are being made to haul water from Creasco 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 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	4205 <b>'</b>	-	+3125'
Lewis Shale	4355 <b>'</b>		+2975'

Estimated KB elevation: 7330'

Est. Depth	Csg. Size	Weight	Hole Size	Sacks Cement - Type
300 ° 4400 °	8-5/8" 4-1/2"	24# 9.5#	12-1/4" 7-7/8"	225 sx - Class "B", 2% CaCl <sub>2</sub> . 980 sx - Class "B", 6% Gel, 2# medium 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 TD to 300', Induction-Electric; From 2400' 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 March 25, 1977, and a two-week operation is anticipated.

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### SEEDING PLAN

#### 1. TIME:

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

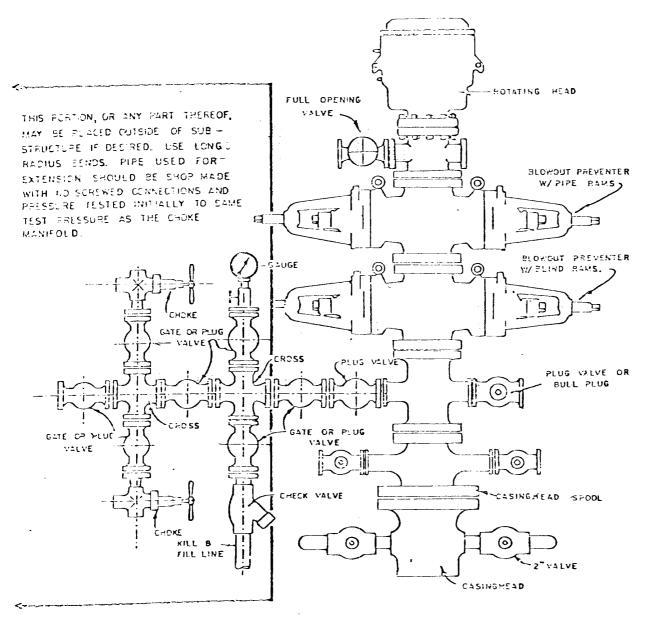
### 2. EQUIPMENT:

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.

CHICAL SURVEY



BLOWOUT PREVENTER HOCKUP

EXHIBIT D-4 OCTOBER 16,1989

COLOAL SURVEY

