SUBMIT IN TRIPLICATE*

Form approved, Budget Bureau No. 42-R1425.

DATE _

(Other instructions on reverse side)

30-039-21322

UNITED	
DEPARTMENT OF	THE INTERIOR

APPLICATION F	GEOLOGICAL SURVEY APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Apache 102	
					6. IF INDIAN, ALLOTT Jicarilla Ap	
DRILL		DEEPEN		-	7. UNIT AGREEMENT	
TYPE OF WELL GAS WELL WELL NAME OF OPERATOR	OTHER		SINGLE MULTIP	111	8. farm or lease N Jicarilla Ap	
AHOCO PRODUCT	TION COMPANY				9. WELL NO.	
ADDRESS OF OPERATOR					26	
501 Airport I	Drive, Farming	ton, New	Mexico 87401	1	10. FIELD AND POOL, Tapacito Pic	
At surface			th any State requirements.*)		11. SEC., T., R., M., OR	
At proposed prod. zone		ection 10	, T-26-N, R-4-W		AND SURVEY OR SE/4 NW/4 Se T-26-H. R-4-	ction 10,
DISTANCE IN MILES AND		ST TOWN OR FOS	ST OFFICE*		12. COUNTY OR PARIS	
	of Gobernador				Rio Arriba	New Mexic
DISTANCE FROM PROPOSED			16. NO. OF ACRES IN LEASE		ACRES ASSIGNED IS WELL	
LOCATION TO NEAREST PROPERTY OR LEASE LINE,	., FT.	3790'	2567.94			.60
(Also to nearest drig. undistance from propose to nearest well, drill or applied for, on this is	DD LOCATION* LING, COMPLETED,	3001	19. PROPOSED DEPTH 3780°	20. ROTARY	_	ery
ELEVATIONS (Show whether	r DF, RT, GR, etc.)				22. APPROX. DATE	
6873' est. G	<u> </u>				Harch 1	1, 1977
	PI	ROPOSED CASI	ING AND CEMENTING PROGR	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER	FOOT SETTING DEPTH		QUANTITY OF CEM	ENT
	8-5/8"	24#	2501		175 ax	
12-1/4"				1		
12-1/4" 6-1/4"	4-1/2"	9.5#		alon the	460 sx	ictured
6-1/4" The above references of Field. The state of the st	4-1/2" enced well is he well will be	being dri e drilled	JAN 2 1 19 OIL CON. CO DIST. 3	crease is require	Tapacito Pi persod mud s le dedicated	to the
ABOVE SPACE DESCRIBE P. The. If proposal is to drieventer program, if any.	enced well is he well will be ga will be best Mexico. A sew Mexico.	being dri on drilled on open trached i	lied to further development Pies a Development Pies JAN 2 1 19	present produ	Tapacito Pipersed and syle dedicated red by NTL-6.	osed new productive pths. Give blowou
ABOVE SPACE DESCRIBE P. ne. If proposal is to drieventer program, if any.	enced well is he well will be ga will be best Mexico. A sew Mexico.	being dri on drilled on open trached i	JAN 2 1 19 OIL CON. CO DIST. 3	present produ	Tapacito Pipersed and Spie dedicated by KTL-6.	to the

Ollas

APPROVED BY ______CONDITIONS OF APPROVAL, IF ANY :

 \mathcal{A}

TITLE _

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.

Consult 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. 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, and the required 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

		All distances must be	from the outer bound	aries of the Section	n.	<u> </u>
Operator			Lease			Well No.
Amoco Produ	ction Company		Jicarilla	Apache 102		26
Unit Letter	Section	Township	Range	County		
F	10	26N	<u> </u>	Rio	Arriba	
Actual Footage Loc			2004		774	
1,490	feet from the No	rth line on		feet from the	West	line
Ground Level Elev.	Producing For		Pool			Dedicated Acreage:
6873 est.		ed Cliffs		Pictured Cl		160 Acres
1. Outline th	e acreage dedica	ted to the subject	well by colored p	encil or hachur	e marks on tl	he plat below.
2. If more th interest ar		dedicated to the w	ell, outline each	and identify the	ownership t	hereof (both as to working
3. If more that dated by c	n one lease of d ommunitization, u	ifferent ownership i nitization, force-po	s dedicated to the oling. etc?	e well, have the	e interests of	f all owners been consoli-
Yes	No If a	nswer is "yes," type	e of consolidation			
If answer	is "no," list the f necessary.)	owners and tract de	scriptions which	have actually b	een consolid	ated. (Use reverse side of
No allowat	ole will be assign	ed to the well until	all interests have	been consolid	ated (by con	nmunitization, unitization,
forced-noo	ling, or otherwise)	or until a non-stand	lard unit, eliminat	ing such intere	sts, has beer	n approved by the Commis-
sion.				C		
					т	CERTIFICATION.
			<u> </u>			CERTIFICATION
	1		i			
	!		ì		1 1	certify that the information con-
	- 5		1		1 1	erein is true and complete to the
	11190		1		best of n	ny knowledge and belief.
	귀	1	l		1/1	maller miller
	1	,	i		Name	1
	+	· ·			1 н. р.	. Montgomery
1835	- 		į		Position	
	,		1		Area	Engineer
	1		!		Company	
1	i		1		AMOC	O PRODUCTION COMPANY
	I		[Date	
					Janua	ary 14, 1977
		Sec			4 1	
	1	10	i			
	1		ĺ		1 1	y certify that the well location
	l		İ		1 1	n this pla: was plotted from field
	!	المستسعر	-19		4 1	f actual surveys made by me or
	1				1 1	y supervision, and that the same
			3 \		1 !	and corect to the best of my
[]	I	& B Res San A	1		knowled	ge and belief.
 	+	JAN :	3 計算符 十 一		7	
	i		N. COM.			
	1	AOIL CO	or 3		Date Surve	- 19 (A)
11	I	V DI	ST. 3			nber 30, 1976
	1					d Professional Engineer
	1		1		110	13 A TONIE
			<u> </u>		1/2/2	D V
					Certificate	D. REIT UL.
			200 000 6		3000	
0 330 660	90 1320 1650 19	80 2310 2640	2000 1500 10	00 500	0 1 3950	

JICARILLA APACHE 102 NO. 26 1490' FNL & 1835' FWL, SECTION 10, T-26N, R-4W 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 byAMOCO PRODUCTION
COMPANY and its contractors and sub-
contractors in conformity with this plan and the terms and
conditions under which it is approved.

January 14, 1977

Date

Area Supt.

Name and Title

DEVELOPMENT PLAN JICARILLA APACHE 102 NO. 26 1490' FNL & 1835' FWL, SECTION 10, T-26-N, R-4-W RIO ARRIBA COUNTY, NEW MEXICO

The proposed location has rabbitbrush, snakeweed, Russian thistle and various grasses. 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. A six foot cut will be required. Verbal approval of the drill site has been obtained from Mr. Harold Tecube, BIA; Mr. John Keller, USGS; and Mrs. Nancy S. Hewett, Archaeologist.

Arrangements are being made to haul water from Cottonwood or Tapacito Water Holes on existing roads approximately five 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
Fruitland	3185'	+3700
Pictured Cliffs	3605 '	+3280 '

Estimated KB elevation: 6885'.

Est. Depth	Csg. Size	Weight	Hole Size	Sacks Cement - Type
250 ' 3780 '	8-5/8" 4-1/2"	24# 9.5#	12-1/4" 6-1/4"	175 - Class "B" 2% CaCl2. 410 - Class "B", 6% Gel, 2# Medium Tuf Plug per sx. 50 - 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 250': Induction-Electric, 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 1, 1977, and a two-week operation is anticipated.

SEEDING PLAN

1. TIME:

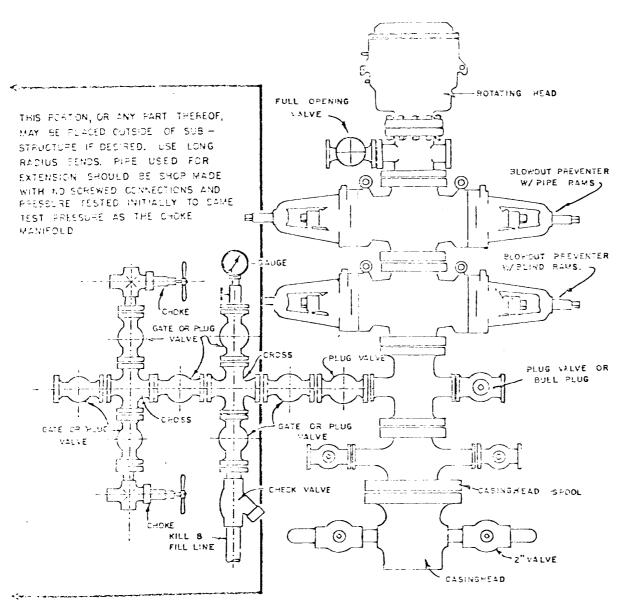
All seeding will take place between July 1 and September 15.

2. EQUIPMENT:

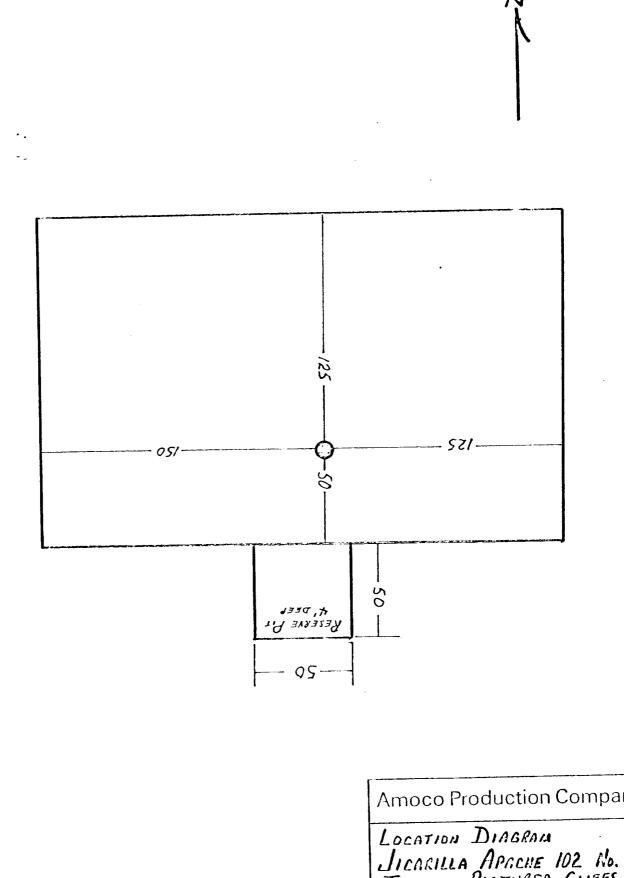
Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage 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	0.71 lbs.
RUSSIAN WILD RYE	0.86 lbs.
ORCHARD GRASS	0.298 1bs.
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.



BLOWOUT PREVENTER HOOKUP



Amoco Production Company					
LOCATION DIAGRAM JICARILLA APACHE 102 No. 26 TAPACITO PICTURED CLIFFS 1490 FNL, 1835 FWL, SEC 10, 26-4 DR. CK. AP. AP. NO.					
DR.	CK.	AP.	AP.	NO.	
SCALE			DATE	and the second s	

