### SUBMIT IN TRIPLICATE\*

Form approved, Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

 $\frac{70-039-22406}{5$ , lease designation and serial no.

## UNITED STATES DEPARTMENT OF THE INTERIOR

			SICAL SURVE					JICATIIIA CON		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						Jicarilla	•			
1a. TYPE OF WORK					7. UNIT AGREEMENT					
b. TYPE OF WELL	018 E.J				GLE X	MULTIP	LE 🗍	S. FARM OR LEASE NA	ME	
WELL	MEI'I MEI'I	OTHER		<b>Z</b> 0	NIE 🔼	ZONE	<u> </u>	-Jicarilla Apa 124	che Tribal	
2. NAME OF OPERAT		U COMPANY						9. WELL NO.		
	PRODUCT 101	1 COMPANI						5	·	
3. ADDRESS OF OPER		vo Farmi	ngton, New	Mevi	co 87401			10. FIELD AND POOL,	OR WILDCAT EXT	
4. LOCATION OF WE	rr. (Report locati	on clearly and	in accordance wit	h any S	tate requirement	s.*)		Lindrith Gal-	Dakota West	
At surface								11. SEC., T., R., M., OR AND SURVEY OR A	D # A	
		DD' FEL,	Section 23	, IZJ	N, K4W			SE/4, NE/4, S	Section 23,	
At proposed pro	a. zone Samo	е						T25N,		
14. DISTANCE IN M			EST TOWN OR POS	r OFFICE	•			12. COUNTY OR PARIS	1 .	
IO mi	les West o	f Gavilan	. New Mexi	CO				Rio Xrriba	New Mexico	
15. DISTANCE FROM	PROPUSED*	1 007110	1 1011 1011	16. NO	OF ACRES IN I	EASE		OF ACRES ASSIGNED	,	
LOCATION TO N PROPERTY OR L	EASE LINE, FT.	(fany)	955'		2560.0			160		
10 DISTANCE PROV	st drlg. unit line,	rion*		19. PR	19. PROPOSED DEPTH 20. ROTA			ARY OR CABLE TOOLS		
TO NEAREST W	ELL, DRILLING, CO ON THIS LEASE, FI	MILLIED,	1900 <b>'</b> '		7939 <b>'</b>			Rotary		
21. ELEVATIONS (She	ow whether DF, F	T, GR, etc.)						22. APPROX. DATE W		
7059 <b>'</b>	GL.	*						As soon as	permitted	
23.		P	ROPOSED CASI	NG ANI	CEMENTING	PROGRA	AM 🕴			
	9175	OF CASING	WEIGHT PER F	00Т	SETTING DE	PTH	1	QUANTITY OF CEM	ENT	
SIZE OF HOLE		8" (New)	24# K-5	5	300	1	315 s	x Class "B" w/	2% CaCl2-circ	
7-7/8"		2" (New)	17# N-80		7939		Stage	1-360 sx Clas	s "B" 50:50	
1-1/0	<u></u>	Z (New)		<u> </u>			POZ,	6% gel, 0.8% F	LA, and 2 lbs	
		,						uf plug/sx. Ta		
								ass "B" Neat-c		
The above w	ell is bei	ng drille	d to test	the G	allup and	.ī. <b>i</b>		2-1035 sx Cla		
Dakota form							POZ,	6% gel, 0.8% F	LA, and 2 lbs	
The gas fro	m this acr	eage isid	edicated to	o Gas	Co. of	•	mediu	m tuf plug/sx.	∍Tail in:w/	
New Mexico.	Y.	<b>J</b>					100 s	x Class "B" Ne	aT-CIFC.	
								DV Tool @	5.728	
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		•	DISTRICT CIL &	GAS S	UPERVISOR	3-t- on <b>-</b>	erecent Dr	eductive zone and prope	AShew productive	
IN ABOVE SPACE DE	ESCRIBE PROPOSEI	PROGRAM: If	proposal is to dee ally, give pertinen	pen or j it data (	on subsurface lo	cations a	nd measur	red and true vertical de	oths. Give blowout	
preventer program	, if any.									
24.		$\Delta$	n /							
BIGNED	J. 2.	Juen	<u> </u>	TLE	District	Engi	neer	рлткМаг	ch 27, 1980	
	or Federal or Sta	te office use)						ğ <del>-</del> - 3 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5		
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PERMIT NO.	•			<del></del>	APPROVAL DATE			A TEAM IN A	9 11	
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APPROVED BY _		•	Ti	TLE				APR 198	<u> </u>	
CONDITIONS OF	APPROVAL, IF ANY	•				•		1 14 11 년 3년 호 왕 목	orthid Sour	
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## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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# P. O. UOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107 kevised 10-1-78

All distances must be from the cuter houndaries of the Section

			Lea				Well No.
AMOCO PRODUCTION COMPANY  JICARILLA APACHE TRIBA						AT TOL	5
Unit Letter	Section COM	Township		Range	County	MII 124	
7.5	23	25N		LW	Rio	Arriba	
Actual Fastage Loc		1 678					
1670	feet from the	North	line and	955	feet from the	East	line
Ground Level Elev.	Producing Fo		Pool			Dedic	ated Acreage:
7059	Gallup	- Dakota	Lin	drith Gallu	p-Dakota W	est	160 Acres
1037	e acreage dedic						t below.
1. Outline th	e acreage dedic	ateu to the s	abject well b	y corored pene	0	•	
		dedicated to	o the well, ou	tline each and	identify the o	ownership thereo	f (both as to working
interest ar	nd royalty).						
2 If more the	an one lease of	different owne	ership is dedic	cated to the we	ll, have the i	nterests of all o	owners been consoli-
deted by c	communitization,	unitization, fo	orce-pooling.e	tc?			,
dated by s	,	•					
Yes	No If a	inswer is "ye	s," type of co	nsolidation			
	-						
If answer	is "no," list the	owners and t	tract descripti	ons which have	e actually bee	en consolidated.	(Use reverse side of
this form i	f necessary.)	<u> </u>			<del></del>		
No allowat	ble will be assign	ned to the wel	l until all inte	rests have bee	en consolidate	ed (by communit	ization, unitization,
forced-poo	ling, or otherwise	) or until a no	n-standard un	it, eliminating	such interest	s, has been appr	oved by the Commis-
sion.							
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# SUPPLEMENTAL INFORMATION TO FORM 9-331C JICARILLA APACHE TRIBAL 124 NO. 5 1670' FNL & 955' FEL, SECTION 23, T25N, R4W RIO ARRIBA COUNTY, NEW MEXICO

Estimated tops of important geologic markers and potential water, oil, or gas bearing formations:

FORMATION	DEPTH	ELEVATION
Ojo Alamo	2930 <b>'</b>	4142
Kirtland	3137 <b>'</b>	3935 '
Fruitland	3360 <b>'</b>	3712 '
Pictured Cliffs	3496 <b>'</b>	3576
Chacra (if present)	4359 <b>'</b>	2713 <b>'</b>
Mesaverde Cliff House Point Lookout	5161 <b>'</b> 5448 <b>'</b>	1911 <b>!</b> 1624 <b>!</b>
Gallup	6777 <b>'</b>	295 '
Dakota	7668 <b>'</b>	-596 <b>'</b>
TD	7939 •	-867 1

				_
Estimated	KB	elevation:	 7072	

Drilling fluid to TD will be a fresh water, low solids non-dispersed mudes system. Open hole logging program will include logs from TD to below surface casing:

Induction Electric-SP-Gamma Ray Compensated Formation Density-Compensated Neutron-Gamma Ray

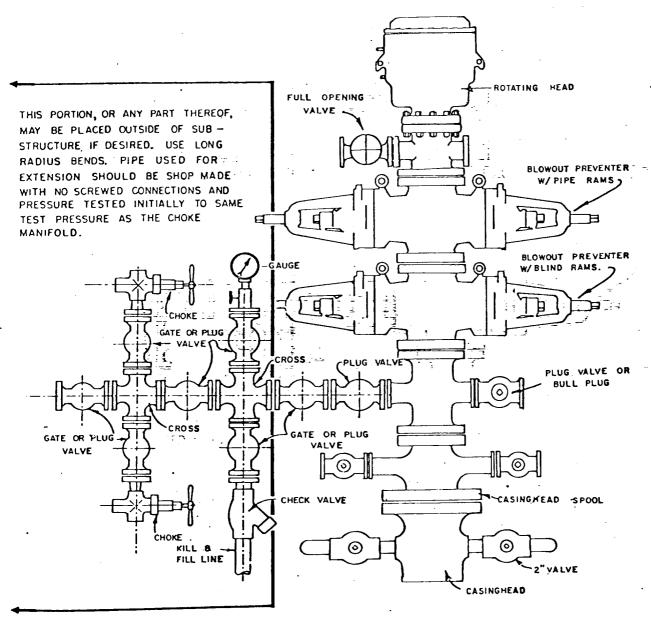
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately  $\underline{4}$  weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

In the past, drilling in this area has shown that no abnormal pressures, temperatures, nor hydrogen sulfide gas will be encountered.

- 1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
- 2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
- 3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
- 4. All fittings to be flanged.
- 5. Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



### BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4
OCTOBER 16,1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.

#### MULTI-POINT SURFACE USE PLAN

### JICARILLA APACHE TRIBAL 124 NO. 5 1670' FNL & 955' FEL, SECTION 23, T25N, R4W RIO ARRIBA COUNTY, NEW MEXICO

- I. The attached topographic map shows the proposed route to the location.
- It will not be necessary to build any access road to the location. 2.
- Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
- 4. There are two 300-barrel tanks and facilities located at Jicarilla Apache Tribal 124 No. 2. approximately one-half mile west.
- 5. Water will be hauled from Cottonwood Water Hole and Tapacito Wash.
- 6. No construction materials will be hauled in for this location.
- 7. A 125' by 125' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled. If any liquids remain, they will be hauled away prior to back filling.
- 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 10-foot cut will be made on north side.
- Restoration of the surface will be accomplished by cleaning up and leveling 10. upon completion of the well. Reseeding of the site will be carried out as instructed by the Bureau of Indian Affairs.
- II. The general topography is a sandy slope just southeast of a low mesa. Vegetation consists of sagebrush, prickly pear, pinon pine, juniper, rabbitbrush, oak and ground lichen.

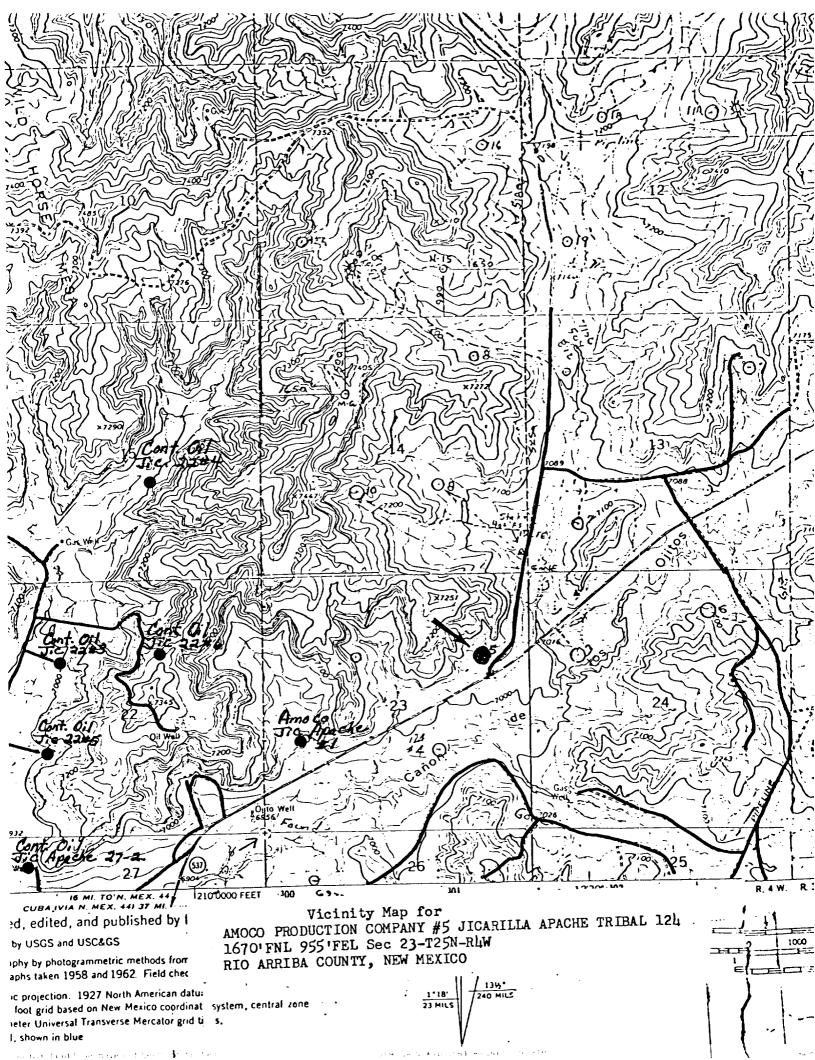
Representatives of the U. S. Geological Survey's Durango Office and the Jicarilla Tribe's Dulce Office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from Salmon Ruins.

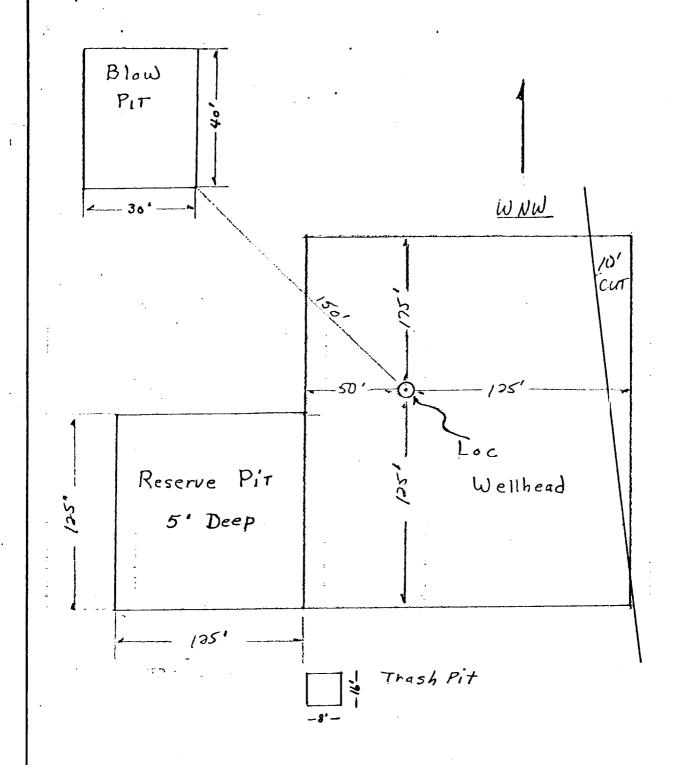
12. Operator's Representative: R. W. Schroeder

505-325-8841; Home: 505-325-6164 Phone: Office: Address: 501 Airport Drive, Farmington, NM 87401

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.

Date March 25, 1980 Schroeder, District Superintendent





Approximately 1.2 Acres

	SCALE: NONE	
Drilling	Location Specs	
JICARILLA	APACHE TRIBAL 124#5	DRG.