#### SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Ewreau No. 42-R1425.

UNITED STATES

•	UNII DEPARTMENT	ED STATES OF THE IN	ITER	IOR	reverse sid	e) Í	30-039-2.	
		GICAL SURVE					Jicarilla Ap	
A DDI IC A TION	I FOR PERMIT			NI OP I	DILIG R	V CK	6. IF INDIAN, ALLOTTE	
	TOR PERIVIT	O DRILL, D	'LL: L	14, OK 1	LOG DA	1011	Jicarilla	
1a. TYPE OF WORK DRI	LL 🗵	DEEPEN [	].	PL	UG BAC	К 🗆	7. QNIT AGREEMENT	NAME
b. TYPE OF WELL	S OTHER	NFILL	815 202	CLE X	MULTIPL ZONE	s [] -	S. FARM OR LEASE NA	ME
2. NAME OF OPERATOR	ELL X OTHER		2.0.				JicariÎla Ap	pache 102
AMOCO PRODUC	TION COMPANY						9. WELL NO.	
3. ADDRESS OF OPERATOR			-				10. FIELD AND POOL,	<del></del>
501 Airport 4. LOCATION OF WELL (R.	Drive, Farmingt	on, New Mex	i CO	87401	ents.*)			
At surface				-	,	•	Basin Da	DLK.
$\gamma$ 1110' FSL and		ction 10, T2	6N, F	R4W			SW/4, SW/4,	
At proposed prod. zon	e Same		;	رامه المسالح			T26N,	
14. DISTANCE IN MILES A	AND DIRECTION FROM NEA	REST TOWN OR POST	. OFFICE	10.1 - 1	7		12. COUNTY OR PARIS	H 13. STATE
12 miles Sou	theast of Gober	nador, New				<u> </u>	Rio Arriba	New Mexico
15. DISTANCE FROM PROPO LOCATION TO NEAREST	SED*			OF ACRES I			OF ACRES ASSIGNED .	
PROPERTY OR LEASE I (Also to nearest dela	ine, fr. ; unit line, if any)	1065'		2567.9			320 T	7 / 1
1S. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION* RILLING, COMPLETED,		19. Piz	POSED DEPT	ī	20. ROTA	RY OR CABLE TOOLS	
OR APPLIED FOR, ON TH	I3 LEASE, FT.	3082'		7998'			Rotary	ORK WILL START
21. ELEVATIONS (Show who	ether DF, P.T, GR, etc.)						As soon as	
6839 GL		PROPOSED CASIN	IG AND	CEMENTIN	G PROCEA	M	TAS SOOR AS	permiried
20.						· · · · · · · · · · · · · · · · · · ·		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO		SETTING		210	MED 40 THITKUP.	
12-1/4"	9-5/8" (New)		-40	366	00' 54!		x Class "B" 6	<u>/2% CaCl2-circ</u> 5.35 POZ'66
8-3/4"	7" (New)		- <u>55</u> -55	799		1.	ex class by o	
6-1/4"	4-1/2" (New)	11.0# 1	-	122	,0	, ,	Tail in w/100	
This application	on to drill an	Infill Basir	n Dak	ota well	lis		circ.	
pursuant to Ord	ler No. R-1670-	√ approved t	by th	e NMOCD	on	340 s	x Class "B" 6	5:35 POZ,6%
May 22, 1979.							2# med tuf plu	
· · · · · · · · · · · · · · · · · · ·							Tail in w/160	
The gas from th	nis well is ded	icated to E	l Pas	o Natura	a l	Near-	circ to inter	mediate csg.
Gas Co.						1		
			Δ	$\gamma = \gamma V$	ΞD		WEIL IN	
			<i>P</i> · · ·			1		
	•		JU	L 2, 9 19	80			
			513		1/2/2	1-1	JUL 30 199 OIL CON. 00	$\mathcal{O}$
		\&			NGINEER		JUL 30 00	M. /
		2		DISTRIC. L	TTGT T	-1	OIL CONT. 3	
	e proposed program: If		n	alug baok est	ea data an n	messes mea	<b>V</b>	7
zone. If proposal is to	drill or despen direction	proposat is to dee ally, give pertinen	t data (	on subsurface	locations at	nd met sure	ed and irs vertical te	oths. Give blowout
preventer program, if a	ny.							
26. K' 5'	Fools All			0:-4 :			in the second second	. 161 H 020
SIGNED 1) C.	1 MC TELL	1T	TI.E	<u>Distric</u>	E_Englos	er	DATE FIGY	10, 1930
(This space for Fed	eral or State office use)				,			\$ 10
nunvir No				APPROVAD D.	NTE			
P. H.M. (1 80).								•
APPROVED BY		T	TLE				DATE	
and him time a birth from him to	OTAT TO ANY	i .						

### OIL CONSERVATION DIVISION

## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

#### P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

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

				<del></del>				
Operator			Leas		Well No.			
AMOCO PRODUCTION COMPANY				JICARILLA APACHE 102 11-E				
Unit Letter M	Section 10	Township 26!	1	Range LIW	County	Arriba		
Actual Footage Loc	<u> 1</u>	1 201		etit.	1 1110	11114		
1110	feet from the	South	line and	1065	eet from the	West	line	
Ground Level Elev.	Producing Fo	ormation	Pool	· · · · · · · · · · · · · · · · · · ·		1	Dedicated Acreage:	
6839	Dakota	a		Basin D <mark>akota</mark>			320 Acres	
<ol> <li>Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</li> <li>If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</li> </ol>								
3. If more the dated by comparing Yes  If answer this form in No allowal	on one lease of communitization,  No If a second is "no," list the f necessary.)	unitization answer is " owners an	'yes,' type of con  d tract description  well until all inter	solidation ons which have rests have been	actually bed	en consolidat	ted. (Use reverse side of nunitization, unitization, approved by the Commis-	
	   			!			CERTIFICATION	
						best of my Name	ertify that the information con- in is true and complete to the knowledge and belief.  ACKRELL	
	         	Sec.		 		Company AMOCO Date	CT ENGINEER PRODUCTION COMPANY 29, 1980	
			10		1011-04 1011-04	shown on t notes of a under my s	certify that the well location his plat was plotted from field ctual surveys made by me or upervision, and that the same of correct to the best of my and belief.	
10651	1110'					Date Surveye  April  Registered P  cnd/or Land	Egrupos egrupos Egrupos Egrupos	
						Certification 3	Retr Jr	

#### SUPPLEMENTAL INFORMATION TO FORM 9-331C

# JICARILLA APACHE 102 NO. 11E 1110' FSL & 1065' FWL, SECTION 10, T26N, R4W RIO ARRIBA COUNTY, NEW MEXICO

The	geologic	name	of	the	surface	formation	is	the	Tertiary San Jose	_•
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Estimated tops of important geologic markers and potential water, oil, or gas bearing formations:

DEPTH	ELEVATION
3242	3610
3288	3564
3488 <b>'</b>	3364
3564 <b>'</b>	3290 <b>'</b>
• 1	. 1
45C8 <b>'</b> 5248 <b>'</b>	2344 <b>'</b> 1604 <b>'</b>
6901	- 491
7738 <b>'</b>	- 886 <b>'</b> .
7998 <sup>1</sup>	1146 <sup>t</sup>
	3242 ' 3288 ' 3488 ' 3564 ' 4508 ' 5248 ' 6901 ' 7738 '

Estimated KB elevation: 6852

Drilling fluid to intermediate point will be a fresh water, low solids non-dispersed mud system. Air or gas will be used to drill to TD. Open hole logging program will include logs from TD to below intermediate casing:

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

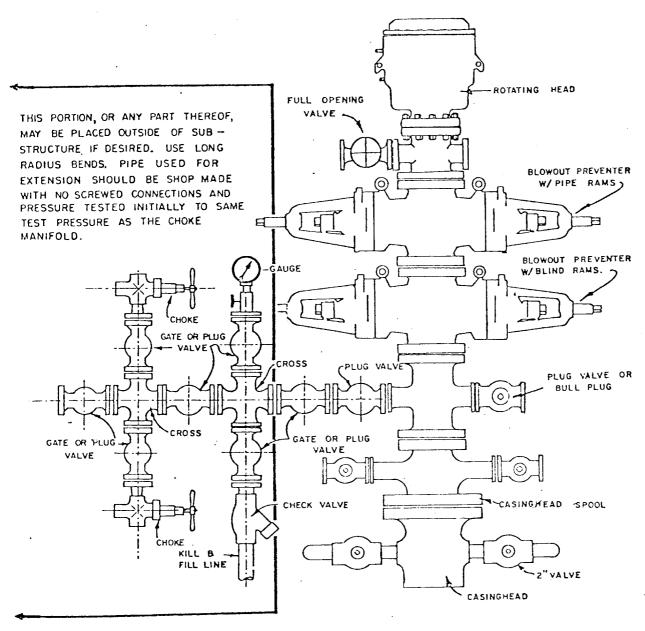
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately  $\underline{\phantom{a}}$  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.

- 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 102 NO. 11E 1110' FSL & 1065' FWL, SECTION 10, T26N, R4W RIO ARRIBA COUNTY, NEW MEXICO

- 1. The attached topographic map shows the proposed route to the location.
- 2. It will not be necessary to build any access road.
- 3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
- 4. There is a 380-barrel tank and facilities located at Jicarilla Apache 102 Well No. 16A, approximately 250 feet south.
- 5. Water will be hauled from Tapacito Water Holes.
- 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 5-foot cut will be made on northwest side.
- 10. Restoration of the surface will be accomplished by cleaning up and leveling 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 flat area, on edge of old location, with sandy clayey loam soil; vegetation consists of sagebrush, juniper and native grasses.

Representatives of the U. S. Geological Survey's Farmington 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.

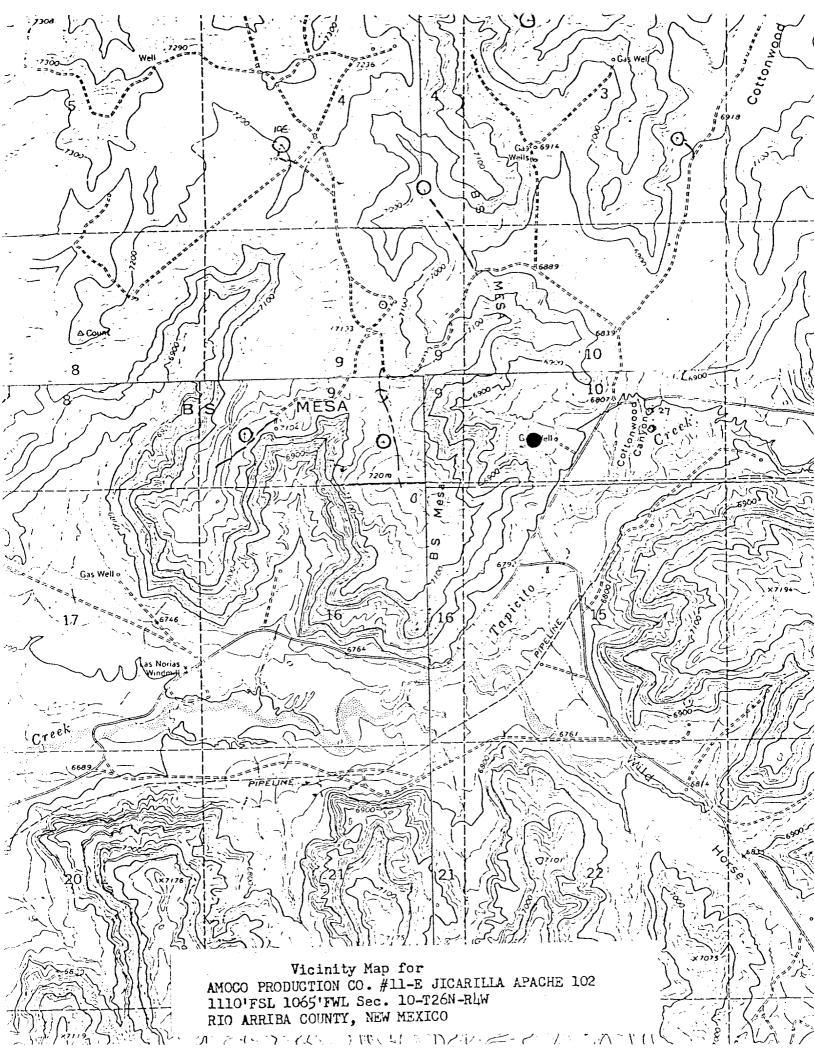
12. Operator's Representative: R. W. Schroeder

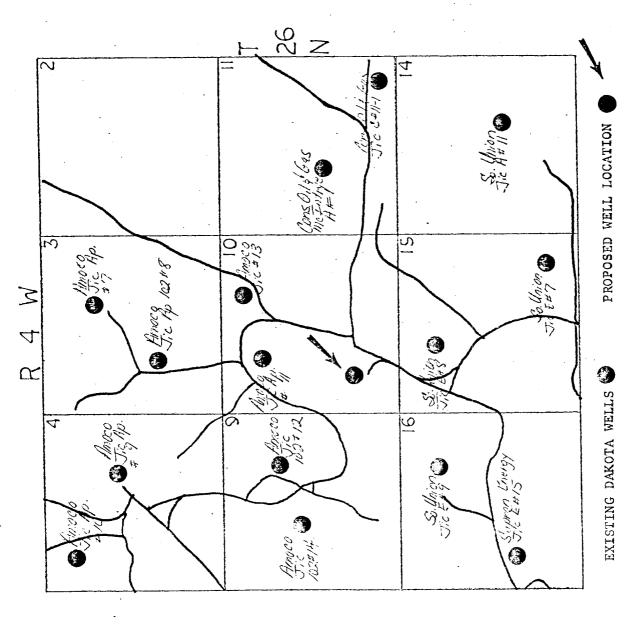
Phone: Office: 505-325-8841; Home: 505-325-6164 Address: 501 Airport Drive, Farmington, NM 87401

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.

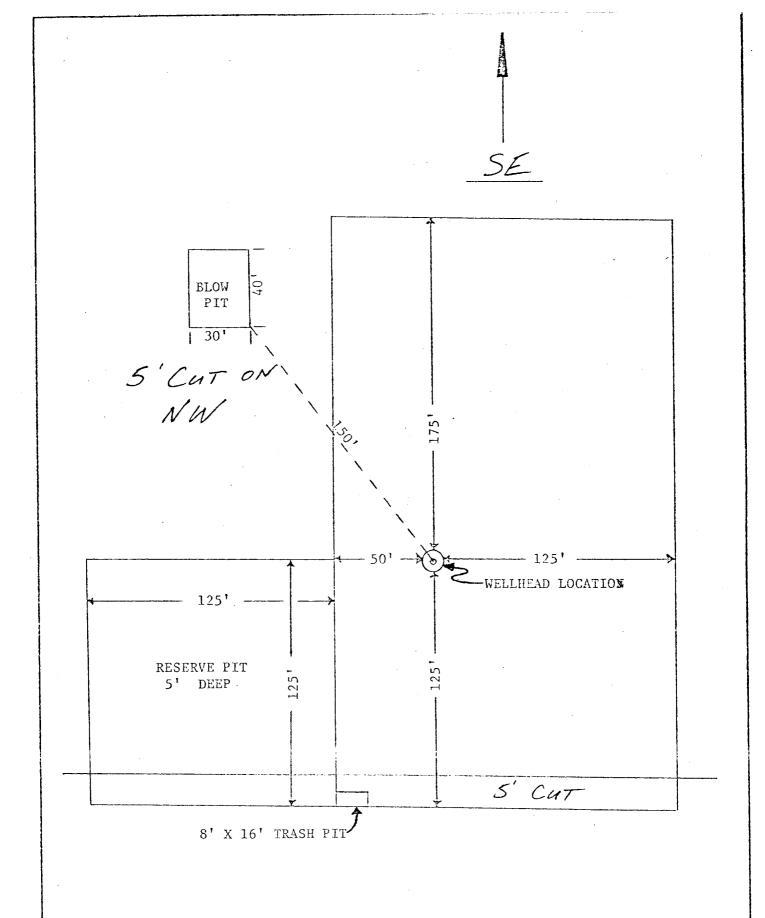
Date May 13, 1980

R. W. Schroeder, District Superintendent





ROADS .



APPROXIMATELY 1.2 ACRES

. Amoco Production Company	SCALE: 1"=50"
DRILLING LOCATION SPECIFICATIONS	
JUARILLA APACHE 102 # 1/E	DRG.
ORGICILLA APACHE TUE 4 17E	