DURANC CLEEN TIONS NATHORIZED ARE
SUCH TO THE OPERATIONS NATHORIZED ARE
THE TELEVISION OF THE STANDARD CARD

UNITED STATES DEPARTMENT OF THE INTERIOR

(Other instructions on reverse side) £1320

мащее выгода иго, че-мейно.

5. LEASE DESIGNATION AND SERIAL NO.

J	i	car	i	Ī	la	Apache	102
·	•	Cui	•	٠	10	ripadilo	102

	GEOLOG	ICAL SURVEY		<i>y</i> ,			spache 102
APPLICATION	FOR PERMIT TO	D DRILL, DE	EPEN, O	R PLUG B	ACK	6. IF INDIAN, ALLOT	
a. TYPE OF WORK						Jicarilla	
	L 🗵	DEEPEN		PLUG BAC	-Х 📋	, s — 5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
OIL GAS	other IN	IFILL	SINGLE ZONE	MULTIP:	LE X	S. FARM OR LEASE :	SAME.
WELL LJ WE C. NAME OF OPERATOR						Jicarilla /	Apache 102
AMOCO PRODUCT	TON COMPANY	·····			<u> </u>	9. WELL NO.	
3. ADDRESS OF OPERATOR			07.4		;	10. FIZED AND POOL	
501 Airport L 1. Location of Well (Re _At surface	Orive, Farmingto port location clearly and i	n, New Mexica accordance with a	co 8/4	trements.*)	The same of the sa	Blanco Me Basin (esaverge Dakota
	940' FEL, Sect	ion 3, T26N,	R4W	REC	E N.	AND SURVEY OR	VKK7
At proposed prod. zone						T26N	, section 5, , R4WA
11. DISTANCE IN MILES A	Same	ST TOWN OR POST C	FFICE*	- HAY ?	$\frac{1}{E}$	12. COUSTY OR ZIAI	
	theast of Gobern		i	U. S. Gsonon		Rio Arriba	New Mexico
15. DISTANCE FROM PROPOS LOCATION TO NEAREST		1	6. NO. OF ACE	es in Lease	17. Se.z	OF-ACRES ASSIGNED .	
PROPERTY OR LEASE LI (Also to nearest drig	NE, FT. . unit line, if any)	940'	256	7.94	1	ch - \$/320	mr- W/321
18. DISTANCE FROM PROPO TO NUMBERT WELL, DE OR APPLIED FOR, ON THE	SED LOCATION*	2861	9. proposed i 81	14 [†]	20. ROTA	Rotary	
21. ELEVATIONS (Show whe					·	22. APPROX. DATE	WORK WILL START*
6905 ' GL						As soon as	permitted
23.	PI	ROPOSED CASING	AND CEME	NTING PROGR.	AM .		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	T SET	TING DEPTH		QUANTITY OF ER	
17-1/2"	13-3/8" (New)	48# H-40		300'	_		<u>/2% CaCl2-ci</u> rc
12-1/4"	9-5/8" (New)	32.3# H-40		37621		Class "B" 6	
8-3/4"	7" (New)	23# N-80)	8114			g/sx,and 0.8% sx Class "B"
This applicatio	n to drill an Ir	nfill Basin	Dakota/M	esaverde	Neat-c	•	37 01033 3
	to Order No. R				180 s>	Class "B" 6	5:35 POZ,6%
	This well wil						g/sx,and $0.8%$
the Natural Gas	Policy Act under	order No.	R-1670-V	•			sx Class "B"
The gas from the	Mesaverde form	ation is dec	dicated t	0	Neat-C	circ to inter	mediate casing
Southern Union G	Sas Co. and the	gas from the			•	·	•
is dedicated to	El Paso Natural	Gas Co.			i	APPRO	WED
		700	a h			7111110	7 1 2
						JUL 2 8	1980
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		arac a	n 100D				secur
		JUL 23	8 1227		Į	O BISTRIC	. ENGINEER
The same of the control of the control	e anamasyn pangalyr If r	OIL CON	COM.	l c. zive datu on :	resent are	ductive zone and smo	oosed new productive
	: enorosed researm: If I drill or deepen directiona	lly, giv perticio	eata on subsu	rface locations a	nd toessur	ed and true vertical d	epths. Give blowout
preventer program, if an 24.	». 		Marie Barrett i				
RS	· Furband !!		D · 1			. U.	
SIGNED DC	1 warren	TITE	ε <u>UIST</u>	ict Engin	39C	DATE #3	<u>y 10, 1980 </u>
(This space for Fede	ral or State office use)						
PEGMIT NO			APPROY	AL DATO			
A TO SECOND A SECURITION OF THE PROPERTY OF TH		The Property Control of the Pr			 ,		
APPREVED BY		Tive	3.			DATE	
CONDITIONS OF APPROX	'AL, IF ANY :					· · · · · · · · · · · · · · · · · · ·	•

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE; NEW MEXICO 87501

Form C-102 Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

STATE OF NEW MEXICO

		All that and the	e from the cuter houn		··			
Operator			Lease		•	Well No.		
AMOCO PRODU	CTION COMPANY			JICARILLA APACHE 102 8-M				
Unit Letter Section Township			Range County					
I	3	26N	TTM	Ric	Arriba			
Actual Footage Loca		515	. 01.0		Poot			
1700		South line		feet from the	East	line cated Acreage:		
Ground Level Elev.	Producing Form	Mesaverde	Pool Pagin D	akota/Blanco		220		
6905								
2. If more the interest an	an one lease is d royalty).	dedicated to the		and identify the	ownership therec	of (both as to working		
dated by co Yes If answer if	No If an s ''no,'' list the c	nitization, force-passer is "yes;" ty	pe of consolidatio	n	een consolidated.	(Use reverse side of		
No allowab	le will be assigne		ndard unit, elimina		ts, has been app	tization, unitization, roved by the Commis-		
		ec.	MAY 9		notation tained herein is best of my known with the property of the property	T ENGINEER RODUCTION COMPANY		
	 	3		17001 8 35:01	shown on this notes of actua under my supe	to 1080		
					and/or are sur Fred B. Certificate No.	4		

SUPPLEMENTAL INFORMATION TO FORM 9-331C

JICARILLA APACHE 102 NO. 8M 1700' FSL & 940' FEL, SECTION 3, T26N, R4W RIO ARRIBA COUNTY, NEW MEXICO

The	geologic	name	of	the	surface	formation	is	the	Tertiary San Jose
	0								

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

FORMATION	DEPTH	ELEVATION '
Ojo Alamo	3342	3576 '
Kirtland	3490 '	3428
Fruitland	3559 '	3359
Pictured Cliffs	3662 ¹	3256
Chacra (if present)	•	1
Mesaverde Cliff House Point Lookout	4614 ' 5359 '	2304 * 1559 *
Gallup	7008	- 90 ·
Dakota	7839 ¹	- 921 .
TD	8114	· -1196 ¹

Estimated KB elevation: 6918

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

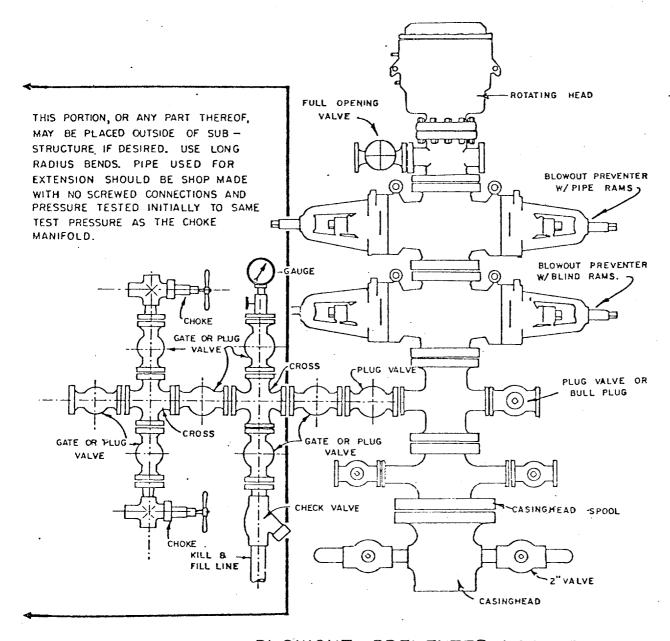
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 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

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. 8M 1700' FSL & 940' FEL, SECTION 3, 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. 24, approximately 800 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 7-foot cut will be made on west 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 sloping area, with sandy clayey loam soil; vegetation consists of sagebrush 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	G.W. Schroedly
		R. W. Schroeder, District Superintendent

