#### SUBMIT IN TRIPLICATE\*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

26-136-22 504

## UNITED STATES

DEPARTMENT (	5. GEASE DESIGNATION AND SERIAL NO.		
GEOLOG!	Jicarilla Apache "A" 118		
APPLICATION FOR PERMIT TO	ACK 6. IF INDIAN, ALLOTTER OR TRIES NAME  Jicarilla Apache		
la. Tuesof work  DRILL X	DEEPEN [	PLUG BAC	
5. TYPE OF WELL OIL GAS Y	81:	NGLE MELTIPL	E X S. FARM OR LEASE NAME
OIL WELL CAS WELL X OTHER  2. NAME OF OPERATOR		A STATE CONTRACTOR OF THE STATE	Jicarilla Apache "A" 118
AMOCO PRODUCTION COMPANY			D. WELL NO.
3. ADDRESS OF OPERATOR			12 mg Z 6
501 Airport Drive, Farming 4. LOCATION OF WELL (Report location clearly and in	ton, New Mexic	o 87401tuta ragainem inte.*).	Savilan Pictured Cliffs Blanco Mesaverde
$\lambda^{ ext{At surface}}$ 840' FSL and 1800' FVL, Se	ection 35, T26N	R3V	11. ERC., T., R., M., OR BLK. AND SURVEY OR ARMA
At proposed prod. zone Same		(† <u>)                                   </u>	SE/4, SW/4, Section 35, T26N, R3W
14. DISTANCE IN MILES AND DIRECTION PROM NEARE.			. 12, COUNTY OR PARISH 15. STATS
25 miles Mortheast of Cour	selors, New Ma	exico	Rio Arriba New Mexico
15. DISTANCE FROM PROPOSEO" LOCATION TO NEAREST PROPERTY OR LYASE LINE, FT. (Also to negreat Cdy, unit line, if any)	840 t 16. NO	. OF ACRES IN LEASE 2560.00	17. NO, OF ACRES ASSESSED TO THIS WELL 160 4 5/ 320
IN PERANCE FROM PROPOSED LOCATION* TO NEAR ST WELL, DRIGLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	4283 1 19. re	6326 <sup>†</sup>	20. ROYARY OR CABLE TOOLS ROTARY
21. SERVATIONS (Show whether DF, RT, GR, etc.) 7388 GL			22. APPROX, DATE WORK WILL START* As soon as permitted
23. PR	OPOSED CASING AND	O CEMENTING PROGRE	AM .
SIZE OF HOLE SIZE OF CASING	WEIGHT PER FOOT	SETTING THE H	QUANTITY OF CEMENT
12-1/4" 9-5/8" (New)	32.3# H-40	3:0'	240 sx Class "B" w/2% CaCl2
8-3/4" 7" (New)	23# N-80	63261	525 sx Class "B" 65:35 Poz, 6%
			gel, 2# med tuf plug/sx, and 0.8% FLA. Tail in w/470 sx Cla "B" Neat-circ.
	Est =		
The above well is being drilled Drilling fluid will be a low so on open hole logs. Amoco's stinformation required by NTL-6 Use Plan are attached.	olids non-disp andard blowout	ensed mud syste   preventer will	m. Completion will be based be employed. Additional
The gas from this well is not			SEP 10 1980 OIL CON. COM. DIST. 3
in above space beachish processor executive: If process is to drill or decrea directional preventer program, if any.	ropean 18 to Gorper of By, give pertilent dra	on schemics of willows	and instituted and true vertical lepths. Give blower

ab 3 M

PERMIT 50.

### OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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

Form C-192 Revised 10-1-78

MOCO PRODUCTION COMPANY  JICARILLA APACHE A-116  6  Note Letter Section Township Range County  35 26N 3W Rio Arriba  Studi Footage Location of Well:  840 feet from the South line and 1800 feet from the West line  County  Respectively.			All distances	must be from	the cuter?	oundaries of the S	Section.		
Therefore Superior Su	pperator			1				0	Well No.
The property of the control of the c	AMOCO PRODUC	TICH COMPANY			JICAR	ILLA APACHE	<u> </u>	0	6
The restore Lectrica of well:    South   Incomposition   Incom	nit Letter		Township		Range	Co			
The creation at sell:    No	N	35	26N -		3W		Rio .	Arriba	
Postured Cliffs / Postured Cliffs / Hosaverde   Postured Cliffs / Steel   Postured Cliffs / Stee			<u> </u>						
Postured Cliffs / Postured Cliffs / Hosaverde   Postured Cliffs / Steel   Postured Cliffs / Stee	81,0	feet from the	South	line and	1800	feet fro	m the	West	
Outline the acronge dedicated to the subject well by coloral pencil or hachure marks on the plat below.  2. If more than one lease is dedicated to the well, outline each and idealify the ownership thereof (both as to working interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all awners been consolidated by communitization, unitization, force-pooling, etc?    Yes	round Level Elev.		mation		ool car	naco Picture	1 Clif	Ffs/ Dedic	rated Acreage:
1. Outline the arrange dedicated to the subject wall by colored pencil or harbure marks on the plat below.  2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).  3. If more than one lease of different ewnership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling etc?  \[ \text{Ves} \sum No  If answer is "yea"; type of consolidation \]  If answer is "no," left the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.  CERTIFICATION  I hereby early that the intermition contained heads is true and complete to the last of my invalidate of the pattern of the last of my absorbing on the last of my appropriate invariant from the last of my appropriate invariant from the last of my appropriate invariant to the best of my appropriate in the last of my appropriat	•	1		esaverde	Blan	co Mesaverde	3		160 /3 Acres
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Yes   No   If answer is "yes," type of consolidation			dedicated	to the well,	outline e	ach and identif	fy the o	wnership thereo	f (both as to working
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# SUPPLEMENTAL INFORMATION TO FORM 9-331C JICARILLA APACHE "A" 118 NO. 6 840' FSL & 1800' FWL, SECTION 35, T26N, R3W RIO ARRIBA COUNTY, NEW MEXICO

The	acalasia	nama	٥f	the	surface	formation	is	the	Tertiary San Jose
1112	FEDIOSIC	II China	01.	<b>L</b> 11C	o are rate.	I O I III G G II G			

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

FORMATIC	<u>DN</u>	DEPTH	ELEVATION -
Ojo Alamo		3681'	3720
Mirtland		3731 '	3670 <b>'</b>
Fruitland		3781 '	3620 '
Pictured C	liffs	39711	3430 '
Chacra (if	present)	t	1 t
	┌ Cliff House	5612 •	1789 •
Mesaverde	Point Lookout	6072 '	1329
Gallup		1	t
Dakota		1	Ť.
TO		6326 '	1075

Estimated KB elevation: 7401 '

Drilling fluid to TD will be a fresh water, low solids non-dispersed mud system. Open hole logging program will include logs from TD to 2009'

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

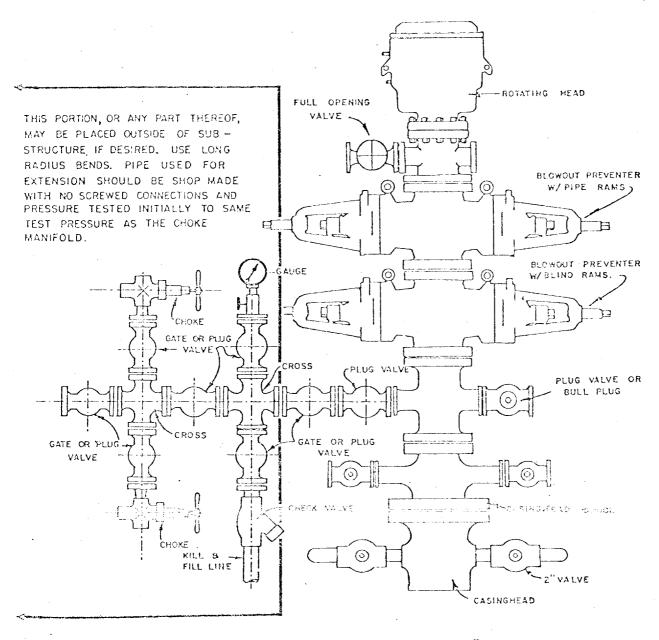
Completion design will be based on these logs. Two 20' rubber sleeve cards will be taken in the datervals 3850'-0866' and 3910'-3924'.

Operations will commence when permitted and last approximately 3 weeks.

Amoro'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 "A" 118 NO. 6 840' FSL & 1800' FWL, SECTION 35, T26N, R3W RIO ARRIBA COUNTY, NEW MEXICO

- 1. The attached topographic map shows the proposed route to the location.
- It will be necessary to build an access road approximately one-half mile in length and 20 feet wide. Road to be bar ditched on two sides. An existing road approximately three-fourths mile in length will be improved.
- Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
- There are two 300-barrel tanks and facilities located at Jicarilla Apache "A" 118 NO. 1, approximately one mile north.
- 5. Water will be hauled from Tapacito water holes.
- 6. No construction materials will be hauled in for this location.
- 7. A [25] by [25] 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.
- 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 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 an uneven terrain with slope to east; the soil is a sandy loam. Vegetation consists of sagebrush, native grasses, and cedar and juniper trees.

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 and San Juan College.

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. W. Schneder

Date \_\_\_\_\_\_ June 25, 1980 R. W. Schroeder, District Superintendent

