	SUBMIT IN TRIPLICATE* (Other instructions on	Form approved. Budget Bureau No. 42-R1425.
UNITED STATES DEPARTMENT OF THE INTERIOR	reverse side)	30 -0 39 - 2 2/3 = 5. Lease designation and serial no.
GEOLOGICAL SURVEY		57-9787 <del>69</del>
FOR PERMIT TO DRILL, DEEPEN,	OR PLUG BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
X DEEPEN	PLUG BACK 🗆	7. UNIT AGREEMENT NAME

APPLICATION	I FOR PERMIT T	O DRILL, DEEP	EN, OR PLUG I	BACK	O. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK	LL X	DEEPEN	PLUG BA	ск 🗆 🖁	7. UNIT AGREEMENT NAME
OIL GA	S OTHER		SINGLE MULTI	PLE 3	8. FARM OR LEASE NAME
2. NAME OF OPERATOR					9. WELL NO.
3. ADDRESS OF OPERATOR	TICH COMPANY				68
501 Airport	Drive, Farmingt	on, HM 87401	Otata maniamanta *)	<u></u>	10; FIELD AND POOL, OR WILDCAT
At surface	eport location clearly and				11. SPC., T., R., M., OR BLE.
At proposed prod. zon	790' 7WL, Secti	on 17, T31H, N	<b>.5W</b>	A Description	14/4 14/4 Saction 17, 2-31-4, 2-5-4
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POST OFFI	CE*		12. COUNTY OR PARISH 13. STATE
49.0 miles :	northeast of Bla				REG ATTION   NOW MERIC
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	r .ine, ft.	796°	NO. OF ACRES IN LEASE		ACRES ASSIGNED S WELL 326
18. DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON TH	OSED LOCATION* RILLING, COMPLETED,	3000°	PROPOSED DEPTH	20. пота	CAR CABLE TOOLS
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*  As coon as permitted
23.	P	ROPOSED CASING AN	D CEMENTING PROGE	RAM ?	<u> </u>
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
12-1/4"	8-5/8°	24/	300	30	) as est
7-7/8"	4-1/2"	13.5/	3054	189	7 MR COR

The above well is being drilled to develop the Dekota formating. Completion interval and stimulation program to be determined from study of open hale logs. The seronge is not dedicated to a gas sales contract.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

preventer program, in any.			<del></del>				
signed B-E Jackell	TITLE	District Engineer		DATE	July	10.	1979
(This space for Federal or State office use)			3.			1	
PERMIT NO.		APPROVAL DATE	<del></del>			.)	
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE		# : <u>-</u>	JUL 1	1979		

Woll 104 for Jack State State

U. S. CHOSCOPIAL SURVEY

## 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.

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. Consult 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, showing the roads to, and the surveyed 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.

frem 22: Cousult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

\$ U.S. GOVERNMENT PRINTING OFFICE : 1963—O-711-398

#### OIL CONSERVATION DIVISION

STATE OF NEW MEXICO -ENERGY AND MINERALS DEPARTMENT

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

Form C-102 Revised 10-1-78

All distances must be from the cuter houndaries of the Section

		Т.	2222		Well No.
Operator PROP	HOMEON GOVERN	1	DOCA IINTO		68
AMOCO PROD	UCTION COMPAN	Township	ROSA UNIT	County	1 00
	17	31N	5W	Rio Arriba	_
L Actual Footage Loc		) <u> </u>		1 11011104	
1850	feet from the Sou	th line and	<b>7</b> 90 fe	et from the West	line
Ground Level Elev.	Producing For		Pool		.cated Acreage:
6311	Dak	• •	Basin Dakota		320 - Acres
			<del></del>	bburn marks on the ale	at below
<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> <li>If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli-</li> </ol>					
dated by c	ommunitization, u	mitization, force-poolin	g. etc?		
this form i No allowal	f necessary.) ble will be assign	ed to the well until all	interests have been	consolidated (by communich interests, has been app	itization, unitization,
sion.	ing, or otherwise,		, ,	••	Í
					DTI SICATION
			: 1		RTIFICATION
	1		 	tained herein i	y that the information consist true and complete to the owledge and belief.
	+			Norme B. E. FA	CKRELL
	1		1	Position DISTRICT	ENGINEER
	1	/	 	Company AMOCO PR	ODUCTION COMPANY
	l l s	ec.	;   	JULY 10,	1979
790' ©		17	JUL 12 1979 OIL COM. COM.	shown on this notes of actua under my supe is true and a knowledge and  Date Surveyed  July	197940 essional Engageer
0 330 660	90 1320 1650 19	80 2310 2640 2000	1500 1000	Fred B. o. Certificate No.	Gerr Jy.

# SUPPLEMENTAL INFORMATION TO FORM 9-331C REQUIRED BY NTL-6 ROSA UNIT NO. 68 1850' FSL & 790' FWL, SECTION 17, T31N, R5W RIO ARRIBA COUNTY, NEW MEXICO

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

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	DEPTH	ELEVATION
Pictured Cliffs	3164'	+3160'
Mesaverde	5413'	+ 911'
Dakota	7884'	-1560'

TD 8054'

Estimated KB elevation is 6324'

The casing program to be used will include all new casing:

EST. DEPTH	CSG. SIZE	WEIGHT	HOLE SIZE	SACKS CEMENT TYPE
300°	8~5/8"	24#	12-1/4"	300 sx Class "B" 2% CaCl2
80.54 1	4-1/2"	13.5#	7-7/8"	1400 sx Class "B" 50:50 Poz, 6% Gel 200 sx Class "B" Neat

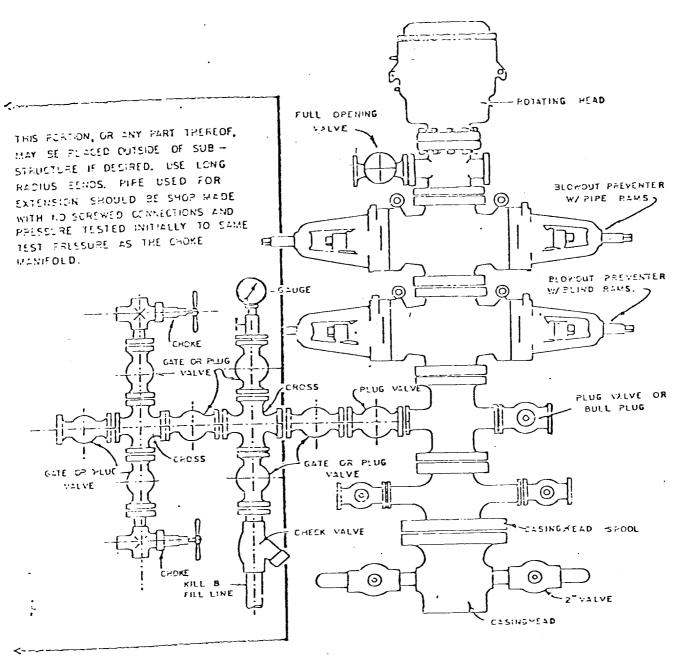
Amoco's standard blowout prevention will be employed; see attached drawing of our blowout preventer design.

Drilling fluid to TD will be a low solids non-dispersed mud system.

Amoco will run an Induction Electric Survey from TD to 300' and a Density-Gamma Ray Log from TD to surface. No cores or drill stem tests will be taken.

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

We will start operations as soon as well is permitted, and a three-week operation is anticipated.



BLOWOUT PREVENTER HOCKUP

EXHIBIT OCTOBER

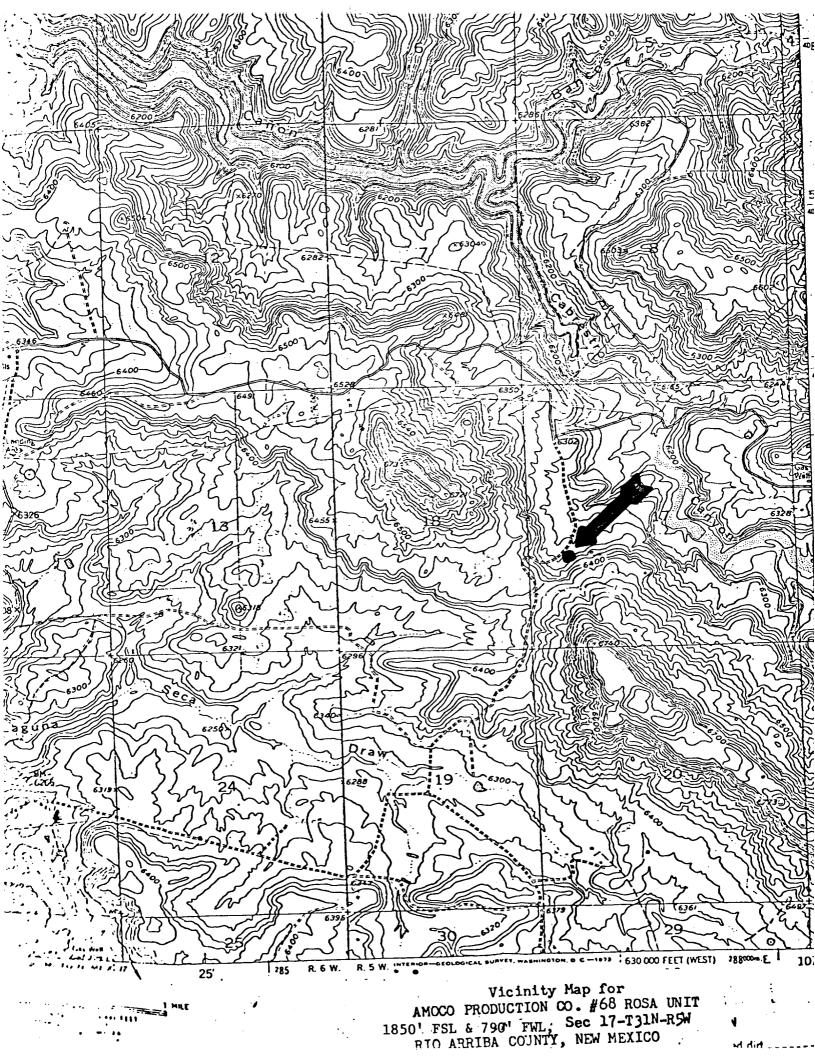
## MULTI-POINT SURFACE USE PLAN ROSA UNIT NO. 68

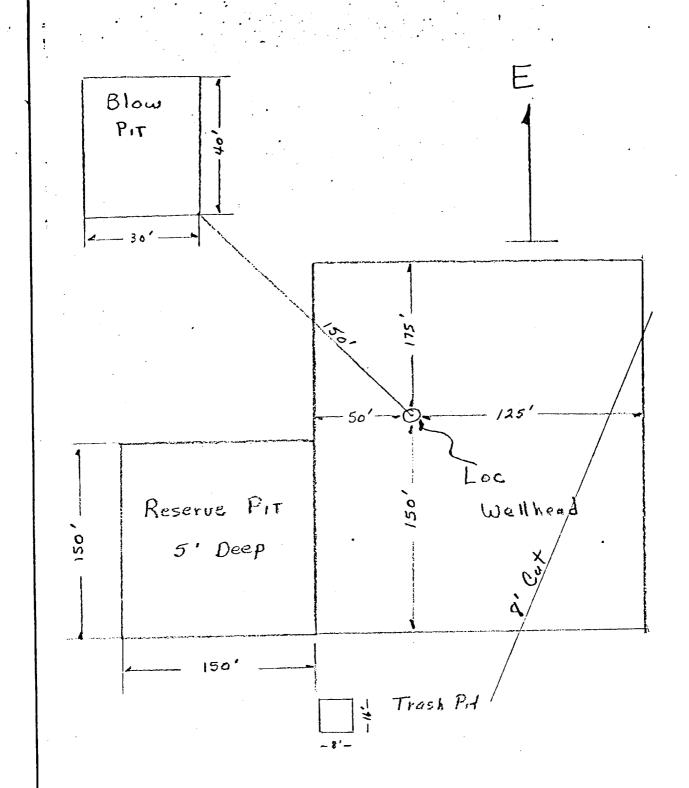
### 1850' FSL & 790' FWL, SECTION 17, T31N, R5W RIO ARRIBA COUNTY, NEW MEXICO

- The attached road map and sketch show the proposed route to the location and distances from towns.
- 2. See plat attached.
- 3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
- 4. There is an existing pipeline one-half mile north-northwest of the location.
- 5. Water will be hauled from Amoco's water holes located in Cabresto Wash.
- 6. No construction materials will be hauled in for this location. Will use existing material at location.
- 7. A 150' x 150' pit will be constructed on location to hold all drilling waste. Upon completion of well, all waste and liquid will be pumped out and fluids will be bladed into roads.
- 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.
- 10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drilling mud will be hauled away and the reserve pit back filled. Reseeding of the site will be carried out as detailed in the attached seeding plan.
- 11. The general topography and soil characteristics are a very rocky terrain and soil with the site covered with cedar and pinon trees and sagebrush.

Representatives of the U. S. Geological Survey's Durango Office and Bureau of Land Management's Farmington Office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

12. A Certification Statement by Amoco's representative is included.





Approximately 1.2 Acres

Amoco Production Company	SCALE: NONE
C	
_ }	DRG.
ROSA UNIT NO. 68	NO.
1 03 0 10 11 100. 00	

### BLM SEEDING REQUIREMENTS IN THE FARMINGTON RESOURCE AREA

- 1. SEED MIXTURE 1
- 2. TIME: :

All seeding will take place between July 1 and September 15.4

3. 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.

4. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE SEED PER ACRE:

NOMAD ALFALFA (Medicago sitiva)

CRESTED WHEATGRASS (Agropyron desertorum) 2½ 1bs.

SMOOTH BROME (Bromus inermis) 2½ 1bs.

FOURWING SALTBUSH (dewinged) (Atriplex conescens) ½ 1b.

: 1 lb.

## ROSA UNIT NO. 68 1850' FSL & 790' FWL, SECTION 17, T31N, R5W 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 whi	ch presently exist; that the
statements made in this plan are, t	to the best of my knowledge, true
and correct; and, that the work ass	ociated with the operations
proposed herein will be performed b	y AMOCO PRODUCTION
COMPANY and its contra	ctors and sub-contractors in con-
formity with this plan and the term	ns and conditions under which it
is approved.	
	<i>7</i> .
	W. Schroelis District Supt.
July 10, 1979	o Source Constitute Super.

Name and Title

Amoco Production Company's Representative:

R. W. Schroeder

Phone: Office: 505-325-8841; Home: 505-325-6164

Address: 501 Airport Drive

Date

Farmington, NM 87401