#### SUBMIT IN TRIPLICATE\*

Form approved.

**UNITED STATES** 

(Other instructions on reverse side)

Buaget	Bureau	No. 42-R1425.
20-0	45.	- 3385 <b>6</b>

a. TYPE OF WORK  DRIL b. TYPE OF WELL  OIL GAS	GEOLO FOR PERMIT	GICAL SURVI			1		N AND SERIAL NO.
a. TYPE OF WORK  DRIL b. TYPE OF WELL  OIL GAS	FOR PERMIT 1					1100-C-1420-	
b. TYPE OF WELL OIL GAS		O DRILL, I	DEEPE	N, OR PLUG BA	ACK	Navajo Tri	
b. TYPE OF WELL OIL GAS	I 👨	DEEPEN [	7	PLUG BACI	k 🗆 📑	7. UNIT AGREEMENT	
		DEEL E. V					
	SLL OTHER	WILDCAT	ZON			S. FARM OR LEASE N	
NAME OF OPERATOR	VECA CIMENTAL TRANSPORT					Navajo Tri	bal AE
APOCO PRODU	CTION COMPANY				'	1	
501 Airport	Drive, Farmin	gton, NM	37401		1	10. FIELD AND POOL,	OR WILDCAT
. LOCATION OF WELL (Re)	port location clearly and	in accordance wit	th any Sta	ate requirements.*)		Wildcat - /	extured (16
	990' FEL, Sec	tion 21, T	25N, R	14W	]	11. SEC., T., R., M., OF AND SURVEY OR NE/4 SE/4	R BLK.
4. DISTANCE IN MILES A	NO DIRECTION BROW WELL	DEEM TOWN OF DOS	T APPLOP			T15N, RI	.4W
					1		1
25 miles so 5. distance from propos	uthwest of Far	mington, Ni	16. NO.	OF ACRES IN LEASE		San Juan ACRES ASSIGNED	New Mexic
LOCATION TO NEAREST PROPERTY OR LEASE LI	NE, FT.	990'		1280	то тни	160	/
(Also to nearest drlg. 8. DISTANCE FROM PROPO	SED LOCATION*	J. Graft	19. PRO	POSED DEPTH	20. ROTARY	OR CABLE TOOLS	
TO NEAREST WELL, DR OR APPLIED FOR, ON THIS		miles		1000'		Rotary	
. ELEVATIONS (Show whet	ther DF, RT, GR, etc.)					22. APPROX. DATE V	
5924"						As Soon as	Permitted
3.	J	PROPOSED CASI	NG AND	CEMENTING PROGRAM	M		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	оот	SETTING DEPTH		QUANTITY OF CEM	ENT
13-3/8"	10-3/4"	32.75#		250'		250 Sx.	
9-7/8"		26.40#		1000'		275 Sx.	
This wildcat w	ulli pe drilled	to a dept	h of I	1000' to test t	he Pict	ured Cliffs	zone.
Completion plants by NTL-6 for t	ans will be mad the application	e after lo	gs are and a	rum. Additio Multi-Point Su	nal inf rface U	ormation red se Plan are	quired attached.
Completion pla by NTL-6 for t	ans will be mad the application being drilled	e after lo to drill s a <u>TITE</u> h	gs are and a ole.	rum. Additio	nal inf rface U	ormation recise Plan are	quired attached.
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Completion pla by NTL-6 for t This well is t	ans will be mad the application being drilled	to drill to	gs are and a ole.	run. Additio Multi-Point Su It is requeste	nal inf rface U	reaction recise Plan are well inform FREC	attached. atton
Completion pla by NTL-6 for t  This well is t be kept confid  N ABOVE SPACE DESCRIBE ONE. If proposal is to d	ens will be made the application on the application on the property of the pro	to drill  as a TITE h  be blocked	gs are and a cle.	run. Additio Multi-Point Su  It is requeste	nal inf rface U d that	FIEC HAY	EIVED 1 2 1978  CHCAL SUPPLY THE PRODUCTIVE
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\*See Instructions On Reverse Side

# 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.

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

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-781-025 /VIII-239

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section.  $\ \dot{}$ 

Operator			Lease		Well No.
AMOCO PROD	UCTION COMPAN	Y	Navajo Tribal	пVE	1
Unit Letter	Section	Township	Range	County	
I	21	25N	1¼W	San Juan	
Actual Footage Loc	cation of Well:				
1550	feet from the	South line and	1 990 fee	et from the East	line
Ground Level Elev.	Producing For	mation	Pool		Dedicated Acreage:
5924	Picture	d Cliffs	Wildcat	•—	160 -Acres
1. Outline th	e acreage dedica	ted to the subject v	vell by colored pencil o	or hachure marks on	the plat below.
	nan one lease is nd royalty).	dedicated to the we	ll, outline each and ide	entify the ownership	thereof (both as to working
		ifferent ownership is nitization, force-poo		have the interests of	of all owners been consoli-
Yes	No If an	swer is "yes;" type	of consolidation		
	is "no," list the	owners and tract des	criptions which have a	ctually been consoli	dated. (Use reverse side of
	-	ed to the well until a	ll interests have been	consolidated (by co	mmunitization, unitization,
					n approved by the Commis-
sion.	, or omer,			in interestis, has bee	in approved by the commis-
	1				CERTIFICATION
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	i		 	AMOC	O PRODUCTION COMPANY
•	l .		!	Date	
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		Sec			
. ]	1	21			
1	1	I	i	I hereb	y certify that the well location
	1		ı	shown	n this plat was plotted from field
1	!		i I	notes o	f actual surveys made by me or
	1			under m	y supervision, and that the same
			9	901 is true	and correct to the best of my
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				Certificate	O Okus ani 215
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## SUPPLEMENTAL INFORMATION TO FORM 9-331C REQUIRED BY NTL-6

#### NAVAJO TRIBAL "AE" NO. 1 1550' FSL & 990' FEL, SECTION 21, T25N, R14W SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Upper Cretaceous Kirtland.

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	DEPTH	ELEVATION
Fruitland SS	650 <b>'</b>	+ 5288*
Pictured Cliffs	770 <b>'</b>	+ 51.68'
Lewis Shale	850'	+ 5088'
TD	1000'	+ 4938'

Estimated KB Elevation: 5938'

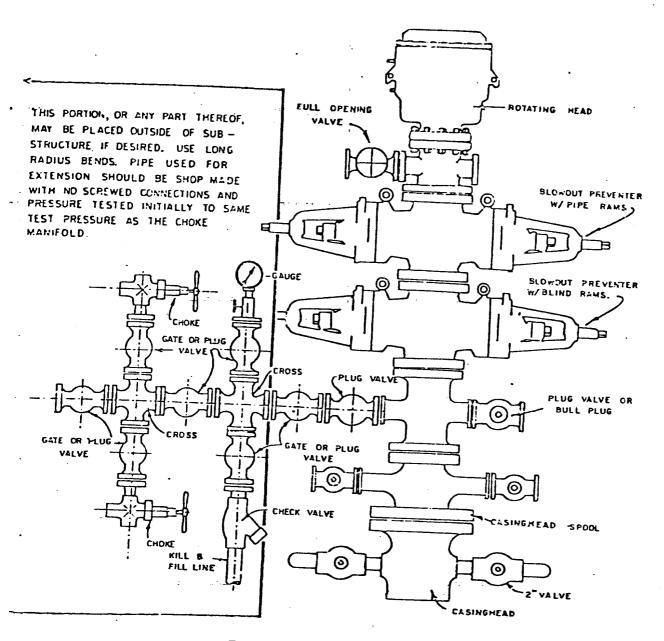
EST. DEPTH	CSG. SIZE	WEIGHT	HOLE SIZE	SACKS CEMENT - TYPE
250' 1000'	10-3/4" 7-5/8"	32.75# 26.40#	13-3/8" 9-7/8"	250 sx - Class "B", 2% CaCl <sub>2</sub> . 175 sx - Class "B", 6% Gel, <sup>2</sup> 2# Med. Tuf Plug/sx. 100 sx - Class "B" Neat.

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 plans to run the following logs: Induction Electric and Density Gamma Ray from TD to 250'. One 20-foot core will be taken from 770-790' and one Drill Stem Test from 760-790'.

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



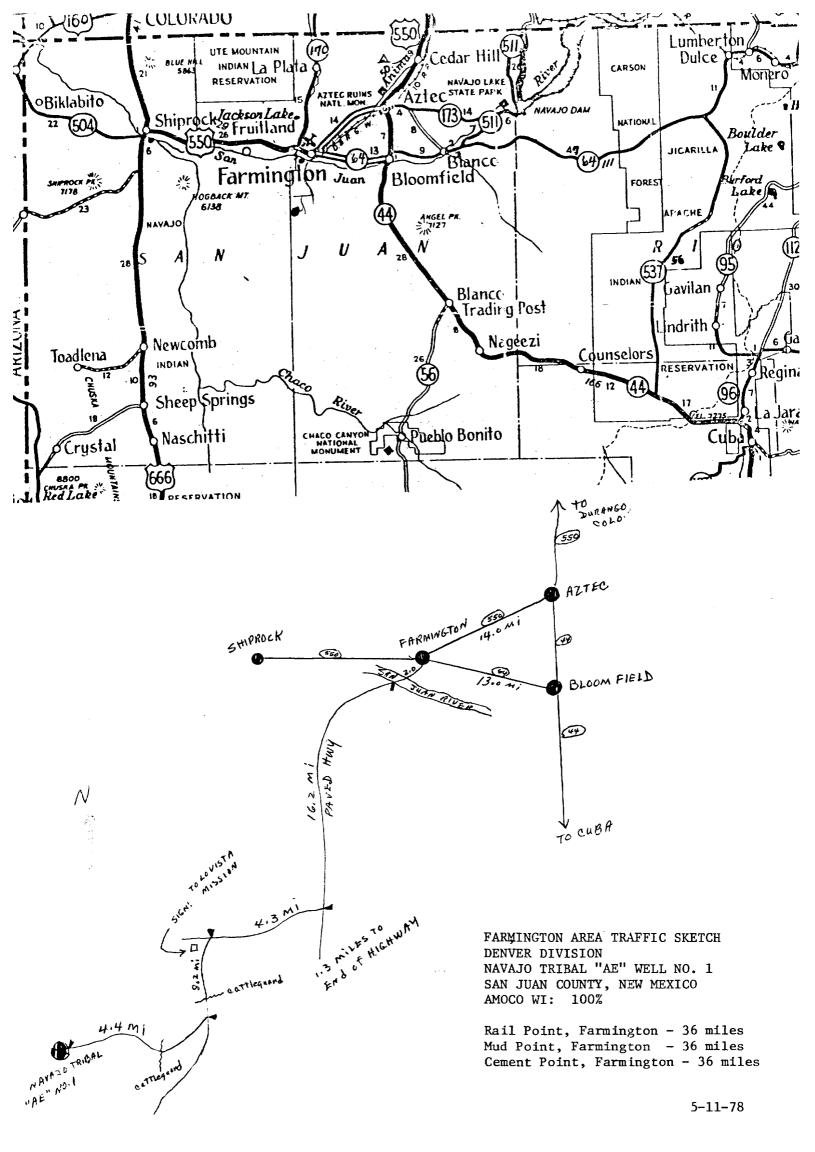
BLOWOUT PREVENTER HOOKUP

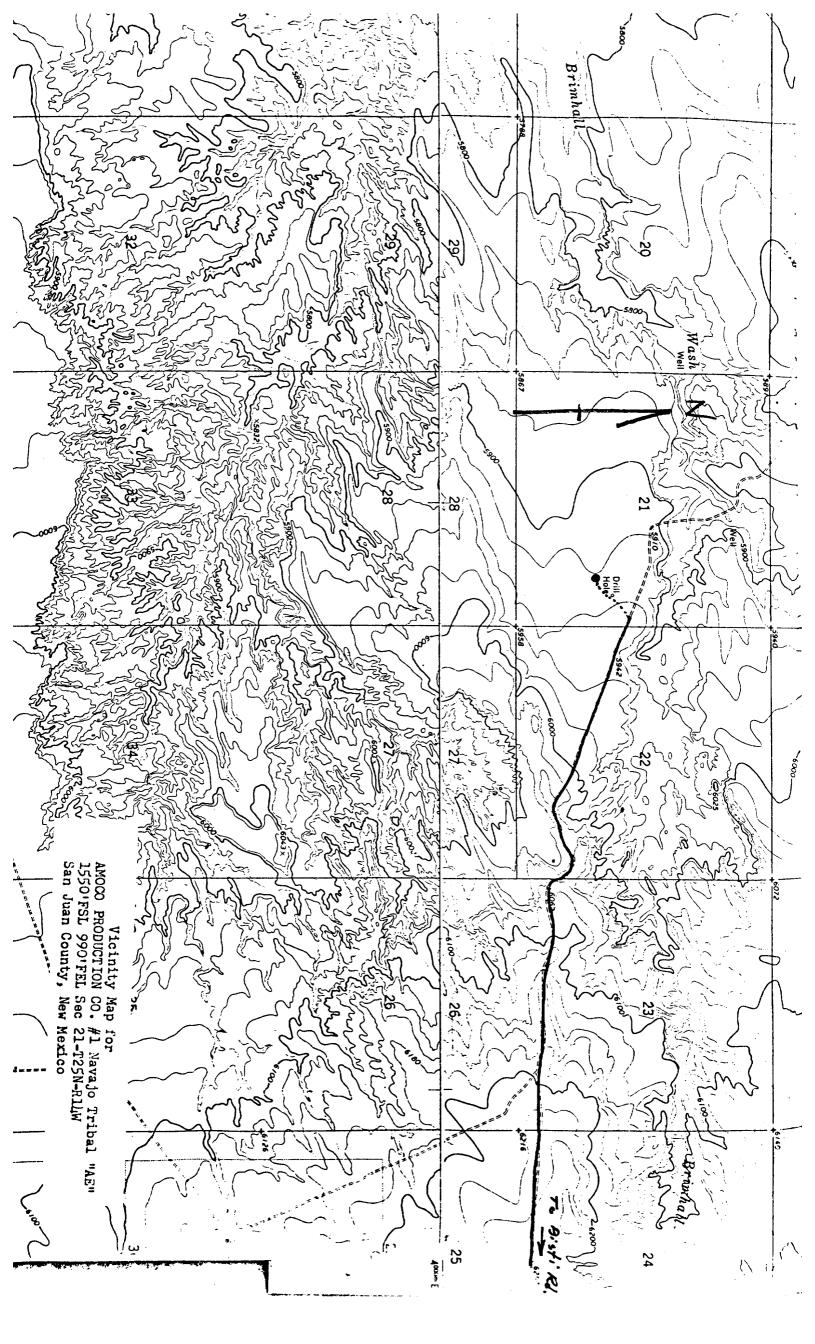
EXHIBIT D-4 OCTOBER 16,1969

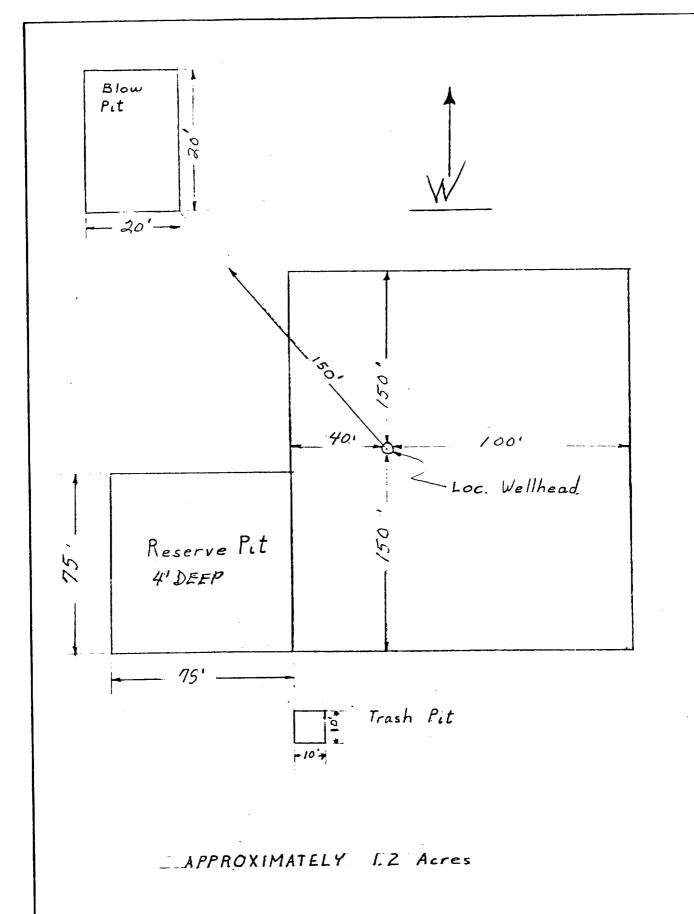
#### MULTI-POINT SURFACE USE PLAN

#### NAVAJO TRIBAL "AE" NO. 1 1550' FSL & 990' FEL, SECTION 21, T25N, R14W SAN JUAN COUNTY, NEW MEXICO

- 1. The attached road map and sketch show the proposed route to the location and distances from towns.
- 2. A new access road two-tenths of a mile in length will be built and an existing road 4.2 miles in length will be improved. The road is on flat and sandy terrain.
- 3. Existing oil and gas wells within a two-mile radius of our proposed well have been spotted on the vicinity map.
- 4. There are no tank battery facilities located at wells within a one-mile radius of the proposed location.
- 5. Water will be hauled from the San Juan River a distance of approximately 34 miles.
- 6. No construction materials will be hauled in for this location. The drilling site is on flat and sandy terrain.
- 7. A 75' X 75' pit will be built on location to hold all drilling waste. Upon completion, all waste and liquid will be hauled by truck and bladed into existing roads. All other waste will be covered in 75' X 75' pit.
- 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 in accordance with instructions from the BIA.
- 11. The general topography and soil characteristics are a flat and sandy terrain with some native grasses.
  - Representatives of the U.S. Geological Survey's Farmington Office and Bureau of Indian Affairs Agency will inspect the site. Cultural resources inspection will be conducted by an Archeologist from San Juan College or Salmon Ruins.
- 12. A Certification Statement by Amoco's Representative is included.







Amoco Production Company	SCALE: NONE
DRILLING LOCATION SPECS	DRG.
NAVAJO TRIBAL "AE" NO. 1	NO.

### NAVAJO TRIBAL "AE" NO. 1 1550' FSL & 990' FEL, SECTION 21, T25N, R14W SAN JUAN 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 which presently exist; that the statements made in this plan are, to be best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by \_\_AMOCO PRODUCTION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it

May 5, 1978

Date

Amoco Production Company's Representative:

L. O. Speer, Jr.

Phone: Office: 505-325-8841; Home: 505-325-3247

Address: 501 Airport Drive

Farmington, NM 87401