SUBMIT IN TRIPLICATE*

Form approved, Budget Bureau No. 42-R1425.

151

151

(Other instructions on reverse side)

UNITED STATES

30-039-31674

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY					5. LEASE DESIGNATION A	
A DDI ICATION			EEPEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
la. TYPE OF WORK					7. UNIT AGREEMENT NA	
DRII	LL 📑	DEEPEN [PLUG BA	ACK 🗆	I. CAIT AGREEMENT NE	Lunin
OIL GA	S OTHER		SINGLE MULT	TIPLE _	S. FARM OR LEASE NAM	
2. NAME OF OPERATOR	an and the				Jicarilla Apa	ache Tribai
AMOCO PRODUCTI 3. ADDRESS OF OPERATOR	ON COMPASI				- 8 WELL NO.	
501 AIRPORT DE	IVE, FARHLIGTO	N, MM 87401			10. FIELD AND POOL, OF	R WILDCAT
			any State requirements.*)		Basin Dakota 11. SEC., T., B., M., OR B	
At proposed prod. zone					SW/4 SZ/4 So T-26-N, 2-5-1	Ec. 3,
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAR	REST TOWN OR POST	office*		12. COUNTY OR PARISH	13. STATE
	east of Counse				Rio Arriba	MM
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L	INE, FT.	10201	16. NO. OF ACRES IN LEASE 2559.16		OF ACRES ASSIGNED THIS WELL 326	980
18. DISTANCE FROM PROPO TO NEAREST WELL, DE	(Also to nearest drig, unit line, if any) B. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2200*		19. PROPOSED DEPTH 8370	20. RO7	20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whe					22. APPROX. DATE WO	RK WILL START*
72331 GL					As soon as	permitted
23.	I	PROPOSED CASING	G AND CEMENTING PROC	GRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO			QUANTITY OF CEMEN	(T
13-3/4"	9-5/8"	32.3#	300' 4170'		915 ex	
8-3/4" 6-1/4"	4-1/2"	10.5#	8370'	_	540 sx	
will be drille be based on or New Maxico. A and a Multi-Po	pen hole logs. Additional info pint Surface Us PROPOSED PROGRAM: If drill or deepen direction	olids son-di The gas fre rmation requ e Plan are		R 7 K	mpletica design and to Gas Company application to disposition di disposition di disposition di disposition disposition disposition disposition d	y of rill 1978 L SURVEY
24.	7		Area Engineer	•	Mara	h 29, 1978
SIGNED	7	TIT	TE *75-44 PARTIES		DATE	
· /	eral or State office use)		ADDROUGE DAME			
PERMIT NO.			APPROVAL DATE			
		TIT			DATE	

*See Instructions On Reverse Side

TITLE _

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.

Consult 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. 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, slowing 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

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

Operator			Lease		Well No.
Amoco Production Company			Jicarilla Apache Tribal 151 8		8
Unit Letter	Section	Township	Romge	County	
0	3	26N		Rio Arriba	
Actual Footage Loca		Canth	i 1450 fee	Foot	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1020 Ground Level Elev.	feet from the Producing For	South line and	Pool fee	t from the East	line edicated Acreage:
7233	Dako		Basin Dakota	•	320-319.90Acres
	e acreage dedica	ted to the subject v	vell by colored pencil a	r hachure marks on the	
1. Outline in	e acreage dedica	ted to the subject v	veri by corored peneri o	· Intelligence in the control of the	
interest an	nd royalty). on one lease of d	ifferent ownership is	dedicated to the well,	ntify the ownership ther	
dated by c		nitization, force-poonswer is "yes," type	ling. etc? of consolidation		
		owners and tract des	criptions which have a	ctually been consolidate	d. (Use reverse side of
	f necessary.)			11.7 1 /1	
				consolidated (by commu	
-	ling, or otherwise)	or until a non-standa	ird unit, eliminating suc	th interests, has been a	proved by the Commis-
sion.					
					CERTIFICATION
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1	!		1	39 1 1	is true and complete to the
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	1		1	4I	ODUCTION COMPANY
	- A 5 3 75	1. S. Ni		Date Date	6 1078
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ļ		Sec 3			
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	i		<u>-</u>	February	2. 1978
S	S. GEOLÍOGICAL SUR	VĔ Y	020	Fegistered Pro	fessional Engineer
	<u>,</u> i .		<u>ਜ</u>	and/or Land S	urveyor
	1	1		Tal 2	with the
				Fred B.	Keer Jr.
				Certificate Na	
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SUPPLEMENTAL INFORMATION TO FORM 9-331C REQUIRED BY NTL-6 JICARILLA APACHE TRIBAL 151 NO. 8 1020' FSL x 1450' FEL, SECTION 3, T-26-N, R-5-W 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 Mesaverde Main Dakota Total Depth			3872' 5557' 8091' 8370'	+3374' +1689' - 845'
Estimated KB Elevation:		7246'		
EST. DEPTH	CSG. SIZE	WEIGHT	HOLE SIZE	SACKS CEMENT - TYPE
300' 4170'	9-5/8'' 7''	32.3# 23#	13-3/4" 8-3/4"	350 - Class "B", 2% CaCl ₂ . 915 - Class "B", 6% Gel, & 2# Med Tuf Plug/sx.
8370'	4-1/2"	10.5#	6-1/4"	340 - Class "B", 6% Gel, & 2# Med Tuf Plug/sx. 200 - Class "B" Neat.

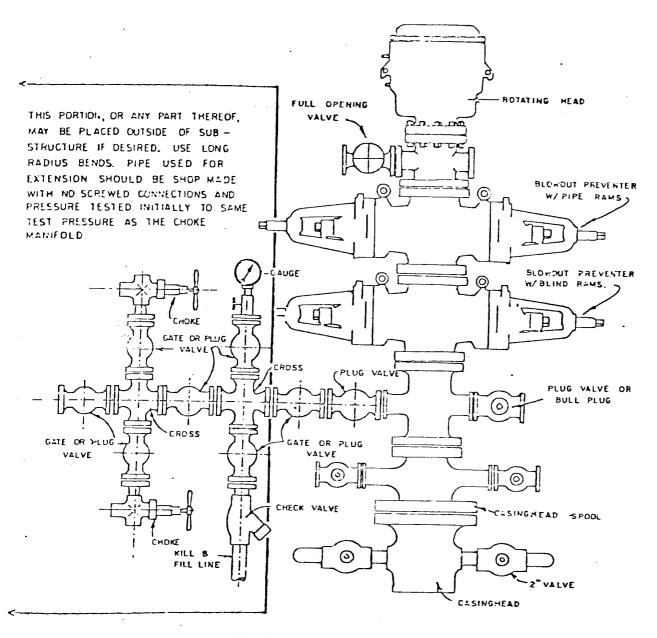
Amoco's standard blowout prevention will be employed; see attached drawing of our blowout preventer design.

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 4170' to surface; Induction and Density from TD to 4170'. 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.

b. n 4 1978



BLOWOUT PREVENTER HOOKUP

EXHIBIT D-4

OCTOBER 16, 1969

h. n. 4 1978

S. GEOLOGICAL SURVEY

MULTI-POINT SURFACE USE PLAN

JICARILLA APACHE TRIBAL 151 NO. 8 1020' FSL & 1450' FEL, SECTION 3, T26N, R5W RIO ARRIBA COUNTY, NEW MEXICO

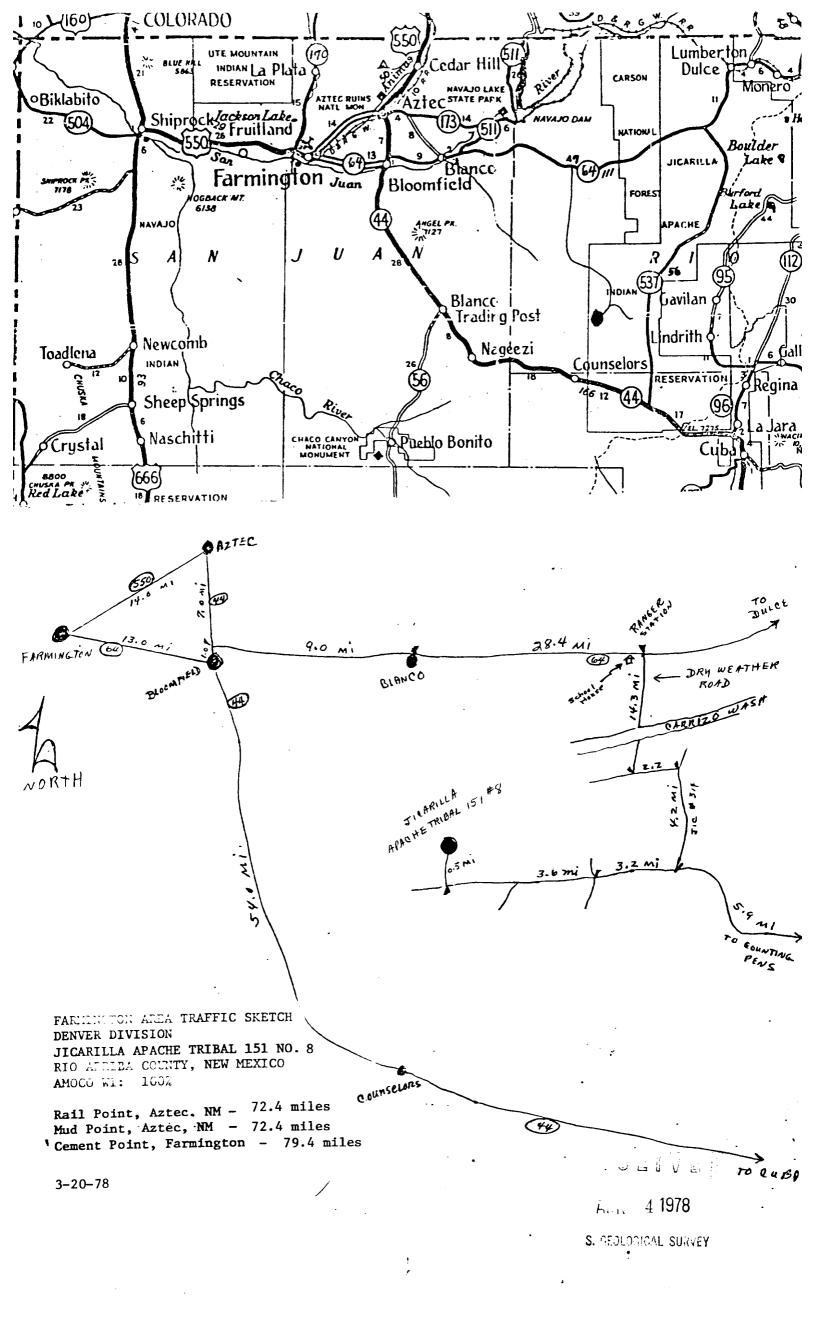
- The attached road map and sketch show the proposed route to the location and distances from towns.
- An access road approximately 200 feet in length will be built. Location is 500 feet west of Continental Oil Co.'s AXI Apache K #1A well.
- Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
- 4. There is a 380-barrel storage tank located at each facility on Jicarilla Apache Tribal 151 No. 2 and No. 4.
- 5. Water will be hauled from Candelaria water hole on Cereza Wash a distance of approximately 14 miles.
- 6. No construction material will be hauled in for this location.
- 7. A 75' X 75' pit will be built on location to hold all drilling waste.

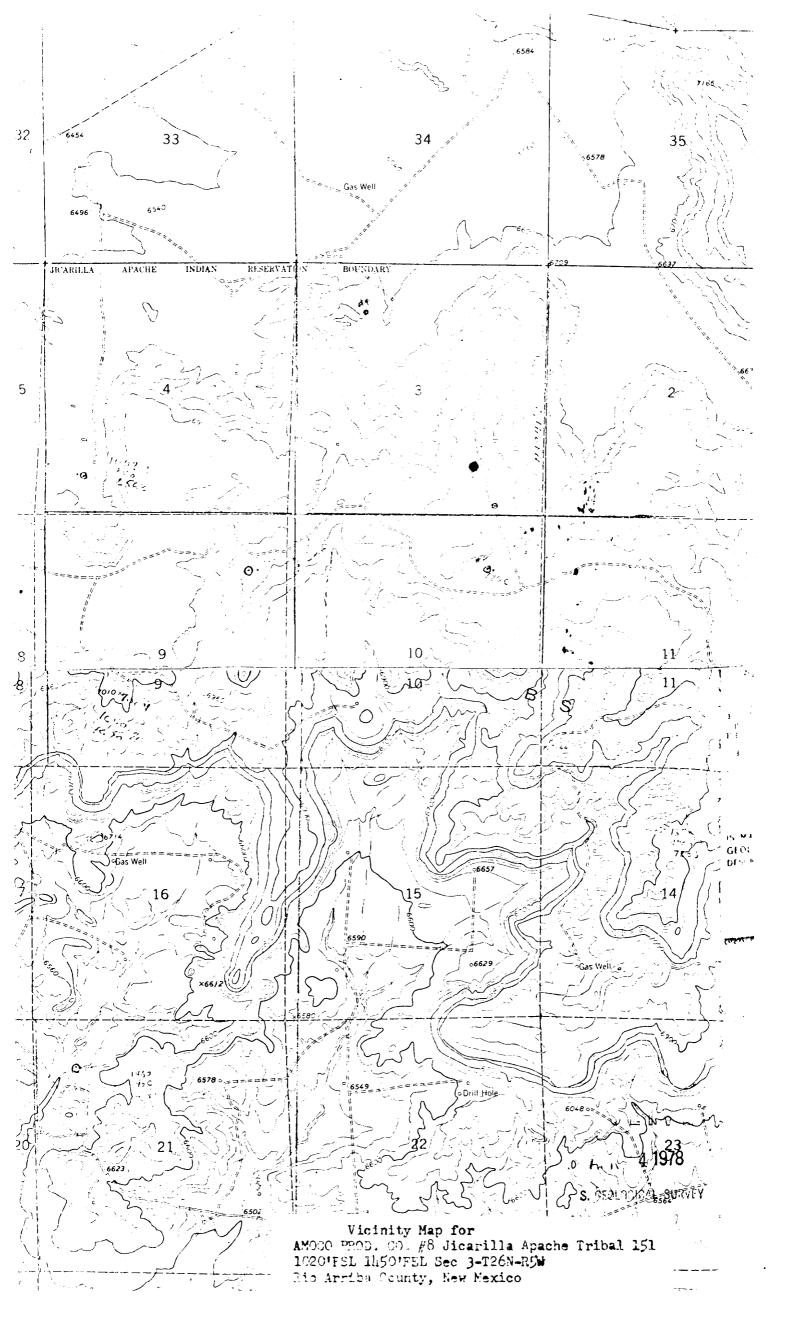
 Upon completion of well, all waste and liquid will be hauled by truck
 and bladed into existing roads. All other waste will be covered in pit.
- 8. There are neither airstrips nor camps in the vicinity.
- 9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 5-foot cut will be on east side.
- 10. Restoration of the surface will be accomplished by cleaning up and levelling upon completion of the well. Drainage ditches will be constructed on upper sides. Reseeding of the site will be carried out as detailed in the attached seeding plan.
- 11. The general topography is a sandy soil with well on top and at west end of Honolulu Mesa. The location's vegetation consists of pinon and cedar trees, with sagebrush and native grasses.

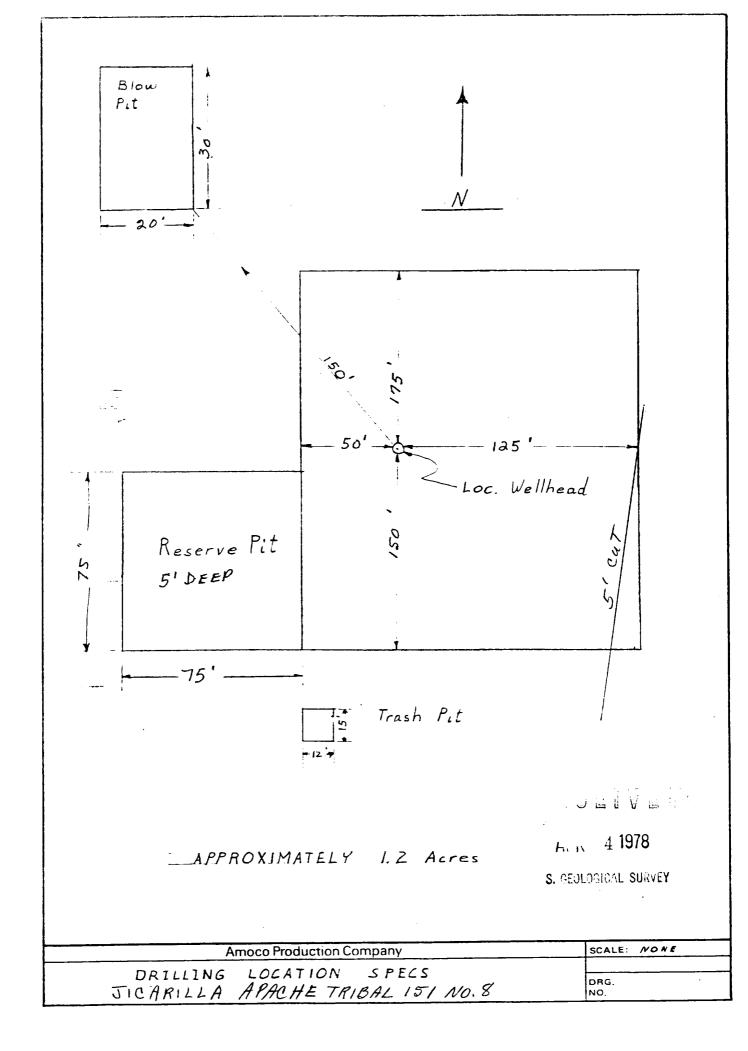
Representatives of the U. S. Geological Survey's Durango Office and Jicarilla Tribe's Dulce Office have inspected the site and found it suitable for drilling. Cultural resources inspection will be conducted by an Archaeologist from San Juan College or Sammons Ruins.

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

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SEEDING PLAN

1. TIME:

All seeding will take place between July 1 and September 15.

2. 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.

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

CRESTED WHEATGRASS	0.71 lbs.
RUSSIAN WILD RYE	0.86 lbs.
ORCHARD GRASS	0.298 lbs.
PERENNIAL RYE GRASS	0.57 lbs.
WESTERN WHEAT GRASS	1.43 lbs.
SMOOTH BROME	1.14 lbs.
INTERMEDIATE WHEAT	0.91 lbs.
PUBESCENT WHEAT GRASS	1.09 lbs.

E 4 1978

S. GEOLOGICAL SURVEY

JICARILLA APACHE TRIBAL 151 NO. 8 1020' FSL x 1450' FEL, SECTION 3, T-26-N, R-5-W 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 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

COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

APRIL 3, 1978

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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

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S. GEOLOGICAL SURVEY