### SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

#### UNITED STATES 30-039-22346 5. LEANE DESIGNATION AND SERIAL NO. DEPARTMENT OF THE INTERIOR.

	Jicarilla Contract 155				
APPLICATION	I FOR PERMIT T	O DRILL, DEEP	EN, OR PLUG E	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK DRI	LL 🛛	DEEPEN	PLUG BA	ск 🗌 _	Jicarilla Apache 7. UNIT AGREEMENT NAME
b. TYPE OF WELL	s other	NEIII :	SINGLE MULTII	PI.E .	8. FARM OR LEASE NAME
2. NAME OF OPERATOR	ELL OTHER 1		DON'S 223 DON'S		Jicarilla Contract 155
	DUCTION COMPANY				9. WELL NO.
3. ADDRESS OF OPERATOR	rt Drive, Farmi	naton New Mex	cico 37401		10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (Re	port location clearly and	in accordance with any	State requirements.*)		Basin Dakota
At surface 1840! FNI	and 1520' FEL,	Section 30. T	26W R5W		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zon	e				SW/4, NE/4, Section 30,
14. DISTANCE IN MILES	Same	EST TOWN OR POST OFFI	CE*		T26N, R5W 12. COUNTY OR PARISH 13. STATE
	s North of Coun				Rio Arriba New Mex
15. DISTANCE FROM PROPO LOCATION TO NEAREST	SED*	16.	NO. OF ACRES IN LEASE		OF ACRES ASSIGNED THIS WELL
PROPERTY OR LEASE I. (Also to nearest drig	INE, FT. g. unit line, if any)	1520'	2477.56	W 319	1, 5 7. 320 ARY OR CABLE TOOLS
18. DISTANCE FROM PROP TO NEAREST WELL, D	RILLING, COMPLETED,	į.	PROPOSED DEPTH	20. Rot.	Rotary
OR APPLIED FOR, ON TH		1950'	7575!	<u> </u>	22. APPROX. DATE WORK WILL START*
6680' GL					As soon as permitted
23.	I	ROPOSED CASING A	ND CEMENTING PROGE	RAM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
12-1/4"	8-5/8" (New)	24# K-55	300'		x Class "B" w/2% CaCl2-ci
7-7/8''	4-1/2" (New)	11.6# K-55	<u>7575'</u>		6% gel, 0.8% FLA, and 2#
					uf plug/sx. Tail in w/ 180
pursuant to Ore May 22, 1979. of the Natural	on to drill an der No. R-1670- This well will Gas Policy Act his well is ded	V approved by qualify under under Order N	the NWOCD on Section 103 o. R-1670-V.	Stage 1330 6% ge tuf p	ass "B" Neat-circulate. 2-DV tool set at 5532 '- sx Class "B" 65:35 POZ, 1, 0.8% FLA, and 2# med blug/sx. Tail in w/ 100 sx 5 "B" Neat-circulate.
	TIN TO THE STATE OF THE STATE O			The state of the s	
zone. If proposal is to preventer program, if an	drill or deepen direction	proposal is to deepen o ally, give pertinent dat	r plug back, give data on a on subsurface locations	and measur	oductive zone and proposed new productive ed and true vertical depths. Give blowout
24.	Fachel	title	District Eng	ineer	DATE April 7, 1980
(This space for Fed	eral or State office use)				
			APPROVAL DATE		SIESTVED
PER 411 80.				AS	AMENDED
APPROVED BY	VAL ID-ANK Server A S.C.	TITLE			DATE
POUT IN TO SELLE ARERO	VAL, IPANKERIO NOS	NMOC	C	1 4	mer of Jun
SUDAL AND	al :		· <del>-</del>	0	Trives F.TSIMS ISCRICT LINGINEER

### OIL CONSERVATION DIVISION

# STATE OF NEW MEXICO

## P. O. BOX 2088 STATE OF NEW MEXICO ENGREY AND MINERALS DEPARTMENT SANTA FL, NEW MEXICO 87501 All distances must be from the cuter boundaries of the Section

Form C-102 kevised 10-1-78

ices must be from the cuter houndaries of the Section

		All distances must be fr	OW INF COLFE 1:00	#1/1#737 F F1 141	- 3FC(17m)	
AMOCO PROD	UCTION COMPAN	<b>Y</b>	Lease .ITCAPT	LLA CONTE	well No. 16-E	
Unit Letter	Section ConTAN	Township	Range		1 20-11	
G	30	26N	5W		County Rio Arriba	•
Actual Footage Loc	ation of Well:	<u> </u>			<del> </del>	
1840	feet from the	North line and	1520	feet	from the East	Itne
Ground Level Elev. 6680	Producing Fo Dako		P∞1 Basin	Dakota		Dedicated Acreage: 319.57
<ol> <li>If more the interest are</li> <li>If more the</li> </ol>	nan one lease is nd royalty). an one lease of c	lifferent ownership is	ll, outline eac	h and iden	tify the ownership t	he plat below. thereof (both as to working f all owners been consoli-
dated by control Yes  If answer this form in the None allowed the second terms of the	No If a is "no," list the f necessary.)	nswer is "yes," type of owners and tract deso	ing. etc? of consolidati criptions whice l interests ha	on h have acti ve been co	ually been consolid	nmunitization, unitization, approved by the Commis-
•	 	Jicarilla Tribal Contract No. 155	F-71	15201	Name B. E. Position DISTRI Company AMOCO Date	CERTIFICATION  certify that the information concerning is true and complete to the my knowledge and belief.  E. Jackell  FACKRELL  CT ENGINEER  PRODUCTION COMPANY  RY 1, 1980
The State of the S		30			shown or notes of under my is true knowledge Date Surve  Januar Registered and/or Land	Trace of English of En
0 330 860	90 1320 1650 19	10 2310 2640 200	0 1500	1000 500	Certificate	Merr Jr.

#### SUPPLEMENTAL INFORMATION TO FORM 9-331C

#### JICARILLA CONTRACT 155 NO. 16E 1840' FNL & 1520' FEL, SECTION 30, T26N, R5W RIO ARRIBA COUNTY, NEW MEXICO

The	geologic	name	of	the	surface	formation	is	the	Tertiary San Jose	_
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Estimated tops of important geologic markers and potential water, oil, or gas bearing formations:

FORMATION	DEPTH	ELEVATION
Ojo Alamo	2513 '	4180 <b>'</b>
Kirtland	2643 '	4045 <b>'</b>
Fruitland	2904 *	3789 <b>'</b>
Pictured Cliffs	3006 '	3687 <b>'</b>
Chacra (if present)	3921 '	2772 <b>'</b>
Mesaverde Cliff House Point Lookout	4712 <b>'</b> 5292 <b>'</b>	1981 <b>'</b> 1401 <b>'</b>
Gallup	6416 '	277 •
Dakota	7237 <b>†</b>	-544 <b>1</b>
TD	7575 •	-882 1

Estimated KB elevation:	6693	Ť
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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 below surface casing:

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

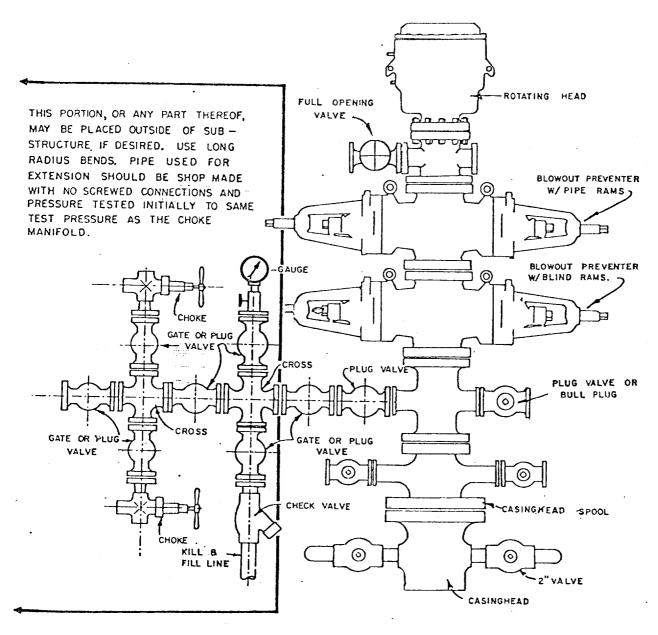
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately  $\underline{\phantom{a}4\phantom{a}}$  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 finside 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 CONTRACT 155 NO. 16E 1840' FNL & 1520' FEL, SECTION 30, T26N, R5W 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. Location is 200 feet southeast of Amoco's Jicarilla Contract 155 No. 9.
- 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 Contract 155 Well No. 16, approximately one-half mile west.
- 5. Water will be hauled from Tapacito Wash.
- 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 2-foot cut will be made on northeast 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 rolling mesa top with southerly drainage, alluvial surface deposits, and exposed sandstone bedrock. The soil is a sandy, clayey loam, and vegetation consists of sagebrush, snakeweed, prickly pear, pinon, juniper, and native grasses.

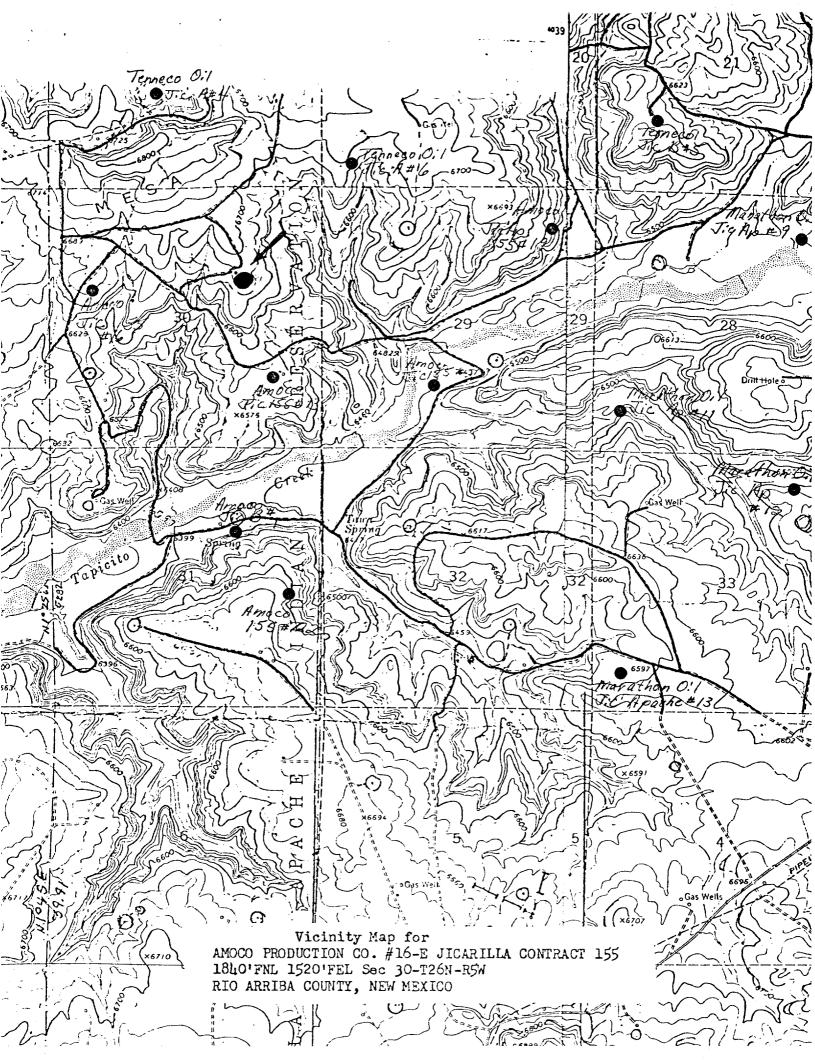
Representatives of the U. S. Geological Survey's Durango Office and the Jicarilla Tribe's Dulce Office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

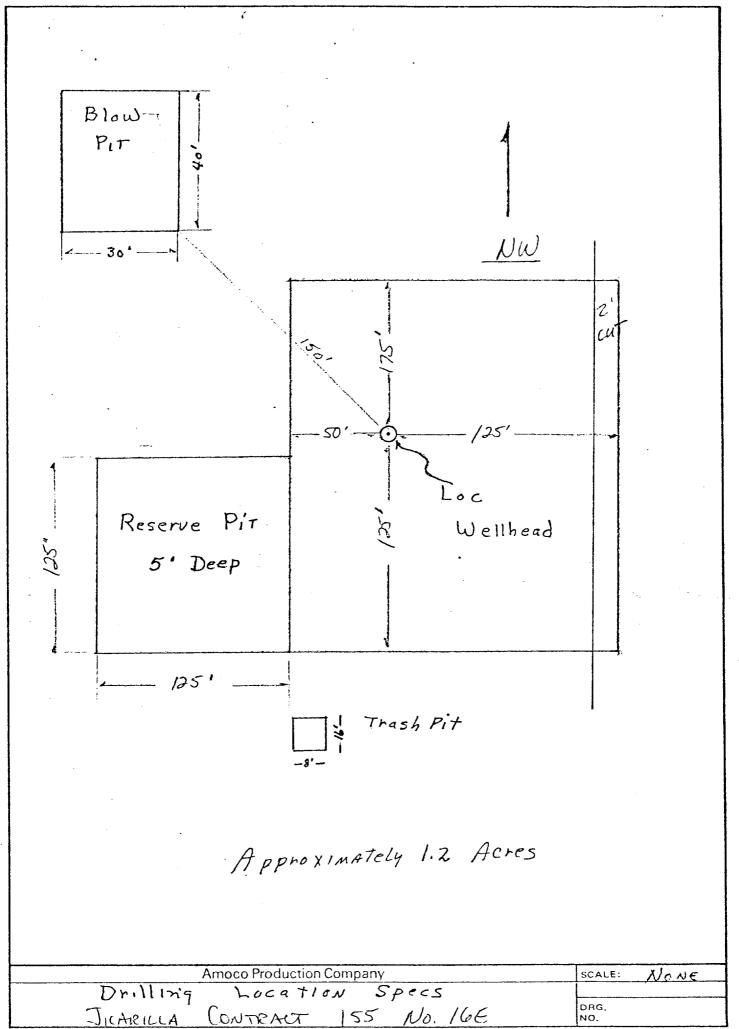
12. Operator's Representative: R. W. Schroeder

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.

Date April 2, 1980 Dille Silve





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