SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITE	ED S	TATE	ES
DEPARTMENT	OF	THE	INTERIOR

	D STATES OF THE INTERIOR	everse side)	30-139-22487
	CAL SURVEY		5. ISASE DESIGNATION AND SERIAL NO.
APPLICATION FOR PERMIT TO		UG BACK	Jicarilla Contract 155 6. IP-INDIAN, ALBORTSE DE TRIBE NAME
DRILL 🗵	DEEPEN [] PLUG	G BACK 🗌	Jicarilla Apache 7. Unit AGRBEMENT NAME
6. TYPE OF WELL OU. WELL STEE WELL STEE OTHER	SINGLE []	MULTIPLE E	8. FARM OR LEASE NAME
NAME OF OUSEATOR PRODUCTION COMPANY			Jicarilla Contract 155
ADDRESS OF CPERATOR			25
501 Airport Drive, Farmingto Location of Well (Report location clearly and in Atsurface) 1080' FSL and 1570' FEL, Sect At proposed prod. zone	accordance with any State requirement	s.*)	Otero Chacra/ Gonzales Mesaverdel 11. sec. t., R., M., GR BLK. AND SURVEY OF AREA SW/4, SE/4, Section 30,
Same 4. distance in miles and direction from neares	T TOWN OR POST OFFICE	-	T26N, R5W 12. COUNTY OR PARISH [13. STATE
17 miles North of Counselor,	**	i fotoki i i	Rio Arriba New Mexico
5. DISTANCE FROM PROPOSES* LOCATION TO NEALEST PROPERTY OR LEASE LINE, FC. (Also to nearest drig, unit line, if any)	16. No. OF ARRES IN L 2477.56	TO TI	FACES ASSIGNED HIS WELL. 160 4 160
S. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED,	19. PROPOSED DEPTA 585' 5337'	20. ROTA	ex oa carde toods Rotary
or applied for, 6N THIS LEASE, FT. I. ELEVATION 3 (Show whether DV, RT, GR, etc.)			22. APPEON, DATE WORK WILL STATES
6572' GL	•		As soon as permitted
PRC	POSED CASING AND CEMENTING	PROGRAM	
SIZE OF HOLE SIZE OF CASING	WEIGHT PERFOOT SECTING DE		QUANTITY OF CEMENT
12-1/4" 8-5/8" (New)	24# K-55 300 15.5# K-55 5337		x Class "B" w/2% CaSl2-circ I-335 sx Class "B" Meat-ci
Amoco proposes to drill this duthe Otero Chacra/ Gonzales Mesawill be drilled to the surface mud. The well will then be drinondispersed mud system. Complet open have logs. A copy of a completion. Additional informathe application to drill and a plan are attached.	verde reserves. The casing point using national lead to TD with a low section design will be based to required by NTL-6	6% ge elop 0.8% well "8" N ve DY To sed Run co sed Run co for	2-582 sx Class "B" 50:50 P I, 2# med tuf plug/sx, and FLA. Tail in w/75 sx Class eat-circ. ol at 3870' ement basket below DV Tool
The gas from this well is dedic v above space bescause processo process. If pro one. If proposal is to drift or deeper directionally executer programs. If were	oposal is to deepen or play back, give d	ata on present prod	
SIGNED R.A. Downly	TITLE District	Engineer	DATE July 18, 1980
/ 1000 1171			The second secon
(This space for Pederal or State office use)			
(This space for federal or State office use)	APPROVAL DATE		

Hold mvc-104 for plat

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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

Form C-107 Revised 10-1-78

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

		*****			TOUNGALIER OF		•	<u> </u>
Operator	HAMTON COMPANY	r		Lease	DITTA CONT	መስ <i>ር</i> ም ገር		Well No.
AMOCO PRODUCTION COMPANY Unit Letter Section Township				RILLA CONT		<u>, ,</u>	1 22	
			•	Range		County	A & 3b m	
0	30	26N			W	Rio	Arriba	
Actual Footage Loci		South	Nun mad	1570)	t from the	East	
Ground Level Elev.	Producing For		line and	Pool	Tee	f from the		line Dedicated Acreage:
6572	Chacra				o Chacra			160 Acres
dated by control Yes If answer in this form if No allowab	ommunitization, u No If an s "no," list the of necessary.) le will be assigne	swer is "y	force-pooling yes," type of tract descr	g. etc? consolic iptions w	lation thich have ac	tually be	en consolida	all owners been consoli- ated. (Use reverse side of munitization, unitization, approved by the Commis-
							1	
	S.	ec.	30				Name R.A. I Position DISTRI Company AMOCO Date	certify that the information contein is true and complete to the knowledge and belief. OWNEY CT ENGINEER PRODUCTION COMPANY 1980 certify that the well location
				10801	1570'		Date Survey May 22 Registered Fond/or Land	ible plat was plotted from field active surveys made by me or subprivision, and that the same and confect to the best of my wind belief.
0 330 650 9	00 1320 1680 1980	2310 264	0 2000	1500	1000 50		Certificate N	6 KENR IN.

SUPPLEMENTAL INFORMATION TO FORM 9-331C

JICARILLA CONTRACT 155 NO. 25 1080' FSL & 1570' FEL, SECTION 30, T26N, R5W RIO ARRIBA COUNTY, NEW MEXICO

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$_{1}$ ne	REGIONATE	Hame	UJ.	LHE	Surrace	TOTHICLTON	12	LIIC	i ca ciani y			•
	() O											

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

FORMATION	<u>DEPTH</u>	ELEVATION		
Ojo Alamo	2320'	+4265		
Kirtland	2470'	+4115		
Fruitland	2730'	+3855		
Pictured Cliffs	2860'	+3725		
Chacra (if present)	3770 '	+2815		
Mesaverde Cliff House Point Lookout	4567 ' 4997 '	+2018 ' +1588 '		
Gallup	1	1		
Dakota				
TD	5337	+1248		

Estimated KB elevation: 6585

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:

> IND-SP-GR FDC-CNL-GR

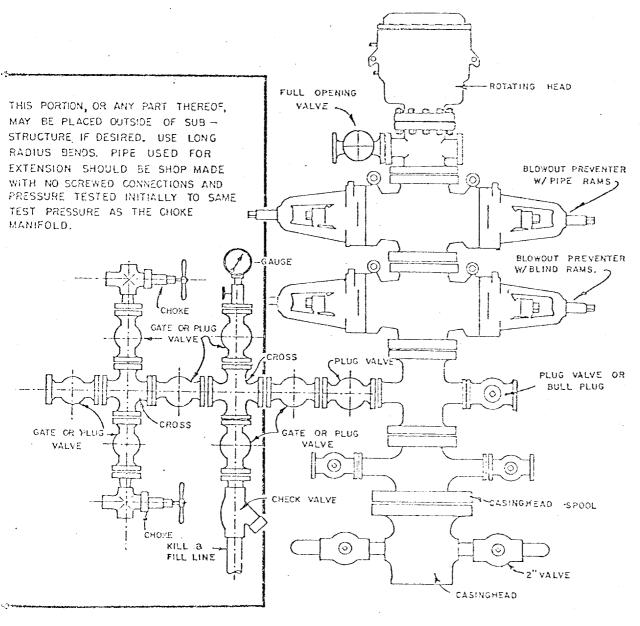
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 3 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 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 CONTRACT 155 NO. 25 1080' FSL & 1570' 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 be necessary to build an access road approximately 350 feet in length and 20 feet wide. Road to be bar ditched on two sides.
- 3. 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. 2, approximately 500 feet north.
- 5. Water will be hauled from Tapacito water holes.
- 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 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 a sloping area with sandy loam type soil; vegetation consists of sagebrush and native grasses.

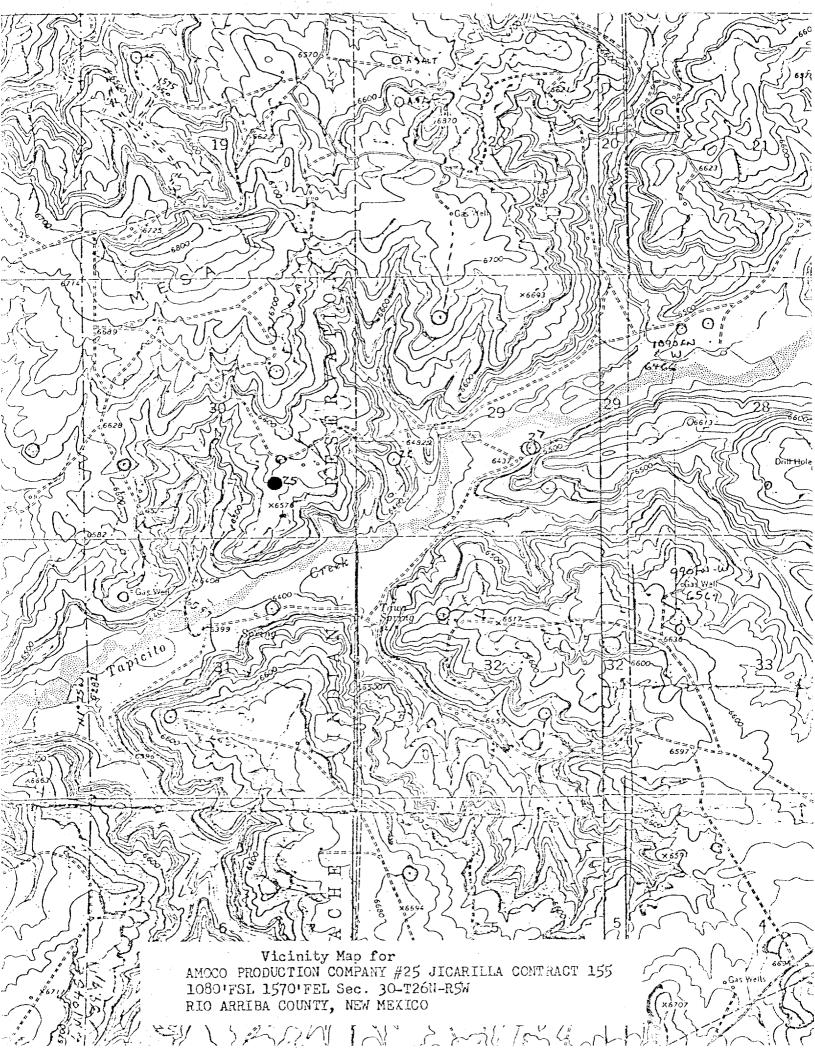
Representatives of the U. S. Geological Survey's Farmington Office and the Jicarilla Tribe's Dulce Office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

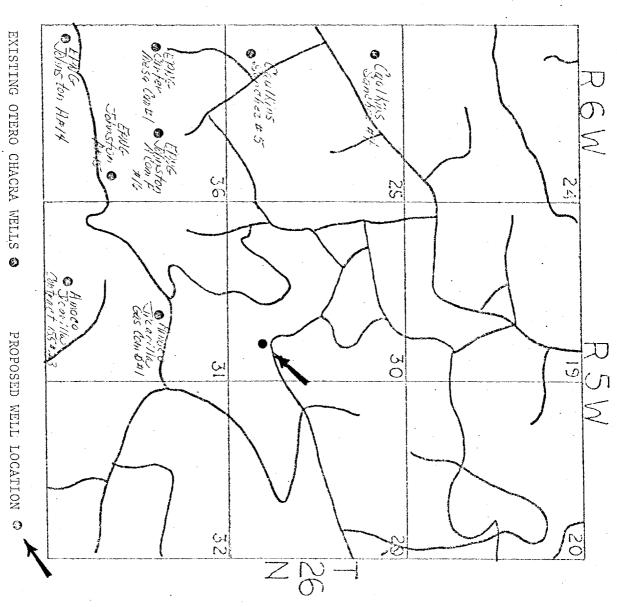
12. Operator's Representative: R. W. Schroeder

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	June 25, 1980	1). W. Chroeder
		R. W. Schroeder, District Superintenden





ROADS

