Budget Bureau No. 42-R1425.

## UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

30-	030	2-c	2.2	5-5	3/
5. LEASE	DESIGN.	ATION A	IND SI	RIAL	NO.

	02020		·			inicarilla rou	tract 155
APPLICATION	FOR PERMIT TO	DRILL, D	DEEPEN,	OR PLUG	BACK	6. IF INDIAN, ALLOTTE	
in. Type of work			_			Jicarilla 7. UNIT AGREEMENT	
DRILL		DEEPEN [	l	PLUG B	ACK []		* *
b. TYPE OF WELL	, X OTHER		SINGLE	MUL ZONI	TIPLE X	S. FARM OR LEASE X	<b>7</b> 1.Ε
2. NAME OF OPERATOR	. Exj Ornele					Jicarilla Con	tract 155
AMOCO PRO	DUCTION COMPANY	,				9. WELL NO.	· · · · · · · · · · · · · · · · · · ·
3. ADDRESS OF OPERATOR			÷ :			29	· · · · · · · · · · · · · · · · · · ·
501 Airpo	rt Drive, Farmi	ngton, Ne	w Mexico	87401		Gonzales Me	or WILDCAT Saverde
4. LOCATION OF WELL (Repo	ort location clearly and u	1 accordance wit	n any state	requirements.	Ž.	11. SEC., T., R., M., OR	acra Ent
	and 1520' FWL,	Section 3	52, TŹ6N	, R5W	12	AND SURVEY OF	REA
At proposed prod. zone	Same			en e		SE/4, NW/4, T26N,	•
14. DISTANCE IN MILES AND		ST TOWN OR POS	r office*		***	12. COUNTY OR PARES	
17 miles I	North of Counse	lor, New N	Mexico			Rio Arriba	New Mexico
15. DISTANCE FROM PROPOSE LOCATION TO NEAREST			16. No. or	ACRES IN LEASE		OF ACRES ASSIGNED	
PROPERTY OR LEASE LIS (Also to nearest drig.)	e, FT. unit line, if any)	1520'		477.56		160 -	-160
18. DISTANCE FROM PROPOS TO NEAREST WELL, DRIV	ED LOCATION*		19. PROPOS		20. вот.	ARY OR CABLE TOOLS	
OR APPLIED FOR, ON THIS	LEASE, FT.	209		5303 <b>'</b>		Rotary	
21. ELEVATIONS (Show wheth	er DF, RT, GR, etc.)					22. APPROX. DATE TO	
6583 <b>'</b> GL					~	As soon as	permitted
	PR	OPOSED CASI	NG AND CE	MENTING PRO	GRAM		1.1
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F		SETTING DEPTH		QUANTITY OF CEN	
12-1/4"	8-5/8" (New)		<u> 55                                   </u>	<u> 300'</u>		x_Class_"B"_w/	
7-7/8"	5-1/2" (New)	<u>15.5∦ K−</u>		<u>5303'</u>			<u>ss "B" Neat</u> -circ B 65:35 POZ, 6%
SUPPLE	i	in settem in ent	1				/sx and .8% FLA.
"@Mhodo proposes"		post productions over dual.				in w/100 sx CI	
develop the Ot	ero Chacra/Gonz	ales Mesav	erde	re-			
serves. The we				ce casing	Set D	V tool at 39 <b>3</b> 0	•
point using nat	ive mud. The v	well will	then be	drilled			
to TD with a lo		•	•				
tion design wil		*	~	• •			
all logs will b		•					
formation requi and a multi-poi							
,		•				POFFEI	
The gas from th contract.	15 WEIT 15 HOT	dedicared	10 a gc	13 30163		/ 146[][	
COMPT GCT :						1 Dor	ZD\
						1011 1710	
						CON CON	90 J
in above heads describe to	PROPOSED PROGRAM: If p	roposal is to dec	pen or plug	back, give data o	on present pro	dustive of sand who	ed new productive
preventer program, if any,	in or deepen arrectionar	., give perender	t tittett on st				
24.	177						
SIGNED	- Felleson ho	T	TLED			DATE OCTO	
(This space for Federa	il or State office use)	<u>~~</u>		and a support of the			
· -							
PERMIT NO.				PROVAL DATE	****		
		***	onf B			nare	
CONDITIONS OF APPROVA	L. IF ANY:	T.				DALY	alakan da ana ana ana ana ana ana ana ana an

### OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
TERGY AND MINERALS DEPARTMENT

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

form C-107 kevised 10-1-78

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

		All distances must	14 17 UM 1/1	- E - E - E - E - E - E - E - E - E - E		······································	
Operator			Lea	5 <b>e</b>			Well No.
AMOCO PROD	UCTION COMPA	NY		JICARILL	CONTRACT :	155	29
Unit Letter	Section	Township		Range	County		
F	3 <b>2</b>	26N		5W	R	io Arriba	·
Actual Footage Loc	l <del>-</del>						
1810		orth 15n	e cond	1520	feet from the	West	line
Ground Level Elev:	Producing Fo		Poo		teat tiom (ue		icated Acreage:
6583	}	Mes <b>av</b> erde		7 10 10 10	/Gonzales 1	í	
	<del></del>						160 Acres
<ol> <li>Outline th</li> </ol>	e acreage dedic	cated to the subje	ect well l	by colored p	encil or hachur	e marks on the p	lat below.
							_
2. If more th	an one lease i	s dedicated to th	e well, or	itline each a	and identify the	ownership there	of (both as to working
	nd royalty).				•	•	5
•	, ,						
3. If more the	an one lease of	different ownersh	in is dedi	icated to the	well, have the	interests of al	l owners been consoli-
		unitization, force			,		
dated by c	.ounnumetization,	unitization, lotte	-hoomis	CIC;			
- V	TT NT. FF						
Yes Yes	No If	answer is "yes,"	type of co	onsolidation			
**	. 44 ** 1*1	1.	. 1	. ,	. 11 1	. 1-1	1 /11
		e owners and trac	t descript	ions which l	nave actually b	een consolidate	d. (Use reverse side of
	f necessary.)				<del></del>		· · · · · · · · · · · · · · · · · · ·
No allowal	ble will be assig	gned to the well un	til all int	erests have	been consolid	ated (by commu	nitization, unitization,
forced-poo	ling, or otherwis	e) or until a non-s	tandard ur	nit, eliminati	ing such intere	sts, has been ap	proved by the Commis-
sion.							
						1	
				i		C	ERTIFICATION
				i			
	.	. 1			j	I hereby cert	ify that the Information con-
	1 ]				1		Is true and complete to the
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	8	1		i	1		wowney
						Name	U
	7					R.A. DOWN	EY
i .	1	ł		1		Position	
1520'	1	l l		1		DISTRICT	ENGINEER
				1		Company	
				1		AMOCO PRO	DUCTION COMPANY
l	!	I		1		Date	
	S	ec.		1		SEPTEMBER	8, 1980
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	t	.	32	Į.	24.00	The state of the s	rtify that the well location
				ì	103		plat was plotted from field
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	1			i		Fred B.	KAT II TV
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	Sc	ale: 1"=1000'				1 2/2 K	
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#### SUPPLEMENTAL INFORMATION TO FORM 9-331C

# JICARILLA CONTRACT 155 NO. 29 1810' FNL & 1520' FWL, SECTION 32, T26N, R5W RIO ARRIBA COUNTY, NEW MEXICO

The	geologic	name	of	the	surface	formation	is	the	Tertiary San Jose	•
-----	----------	------	----	-----	---------	-----------	----	-----	-------------------	---

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

Kirtland       2422'       4174         Fruitland       2718'       3878         Pictured Cliffs       2868'       3728         Chacra (if present)       3752'       2844         Mesaverde       Cliff House Point Lookout Color       4514'       2082 Color         Gallup       '       1568         Dakota       '       '	FORMATION	DEPTH	ELEVATION
Fruitland       2718'       3878         Pictured Cliffs       2868'       3728         Chacra (if present)       3752'       2844         Mesaverde       Cliff House Point Lookout Callup       4514'       2082         Gallup       '       '         Dakota       '       '	Ojo Alamo	2370 <sup>t</sup>	4226 '
Pictured Cliffs 2868' 3728  Chacra (if present) 3752' 2844  Mesaverde Cliff House 4514' 2082  Gallup ' 1568  Dakota	Kirtland	2422 *	4174
Chacra (if present) 3752' 2844  Mesaverde Cliff House 4514' 2082  Gallup '	Fruitland	2718 °	3878 <b>'</b>
Mesaverde Cliff House 4514' 2082 Mesaverde Point Lookout 5028' 1568 Gallup ' '	Pictured Cliffs	2868 1	3728 <b>*</b>
Mesaverde Point Lookout 5028' 1568  Gallup  Dakota	Chacra (if present)	3752 !	2844 '
Dakota	3.0		2082 <b>'</b> 1568 <b>'</b>
	Gallup	Ť	r
TD 5303 ' 1291	Dakota	τ	1
$\cdot$	TD	5303 <sup>1</sup>	1293 '

ated KB	elevation	6596
ated KB	elevation	

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:

DIL-SP-GR: Surf-TD FDC-CNL-GR: Surf-TD 0-2000'

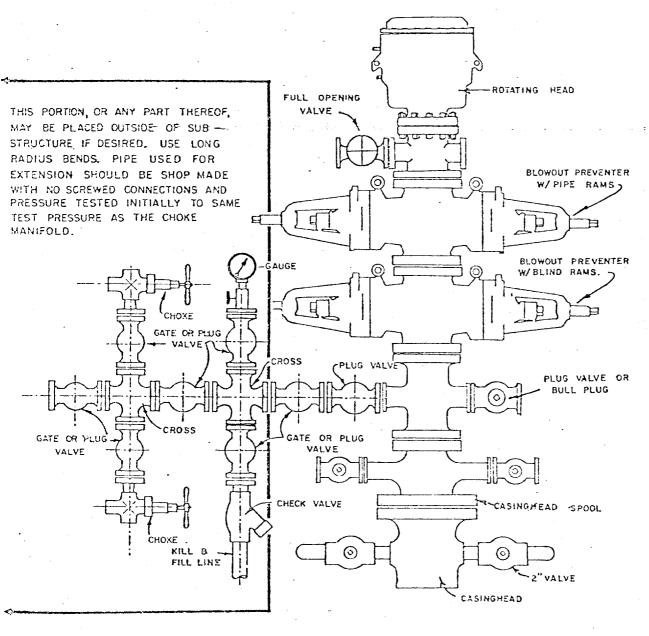
Completion design will be based on these logs. No cores or drill stem tests will be taken.

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.

- Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
- Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
- Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
- 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 HOOKILP

API Series # 900

EXHIBIT D-4

Operation of BOP by closing both pipe and blind rans will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.

OCTOBER 16,1969

#### MULTI-POINT SURFACE USE PLAN

# JICARILLA CONTRACT 155 NO. 29 1810' FNL & 1520' FWL, SECTION 32, 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
- 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. 23, approximately one-half mile south.
- 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 12-foot cut will be made on northwest side.
- 10. Restoration of the surface will be accomplished by cleaning up and lieveling 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 rough, broken ridge top, sloping to the northwest, with a sandy clay loam soil; vegetation consists of pimon and juniper trees and sagebrush, yucca and 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.

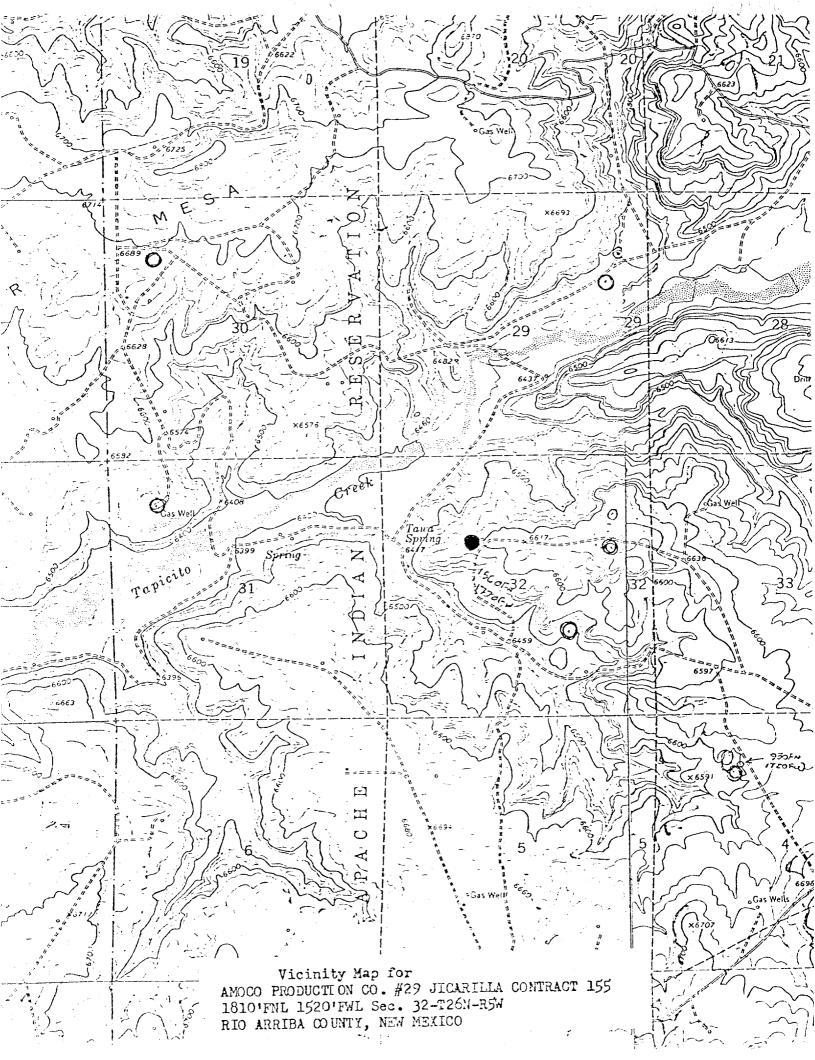
12. Operator's Representative: R. W. Schroeder

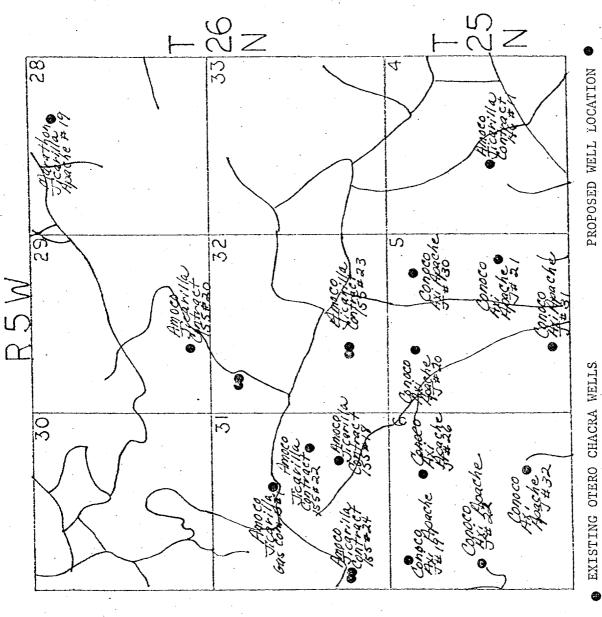
Phone: Office: 505-325-8841; Home: 505-325-6164 Address: 501 Airport Drive, Farmington, NM 87401

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 September 30, 1980

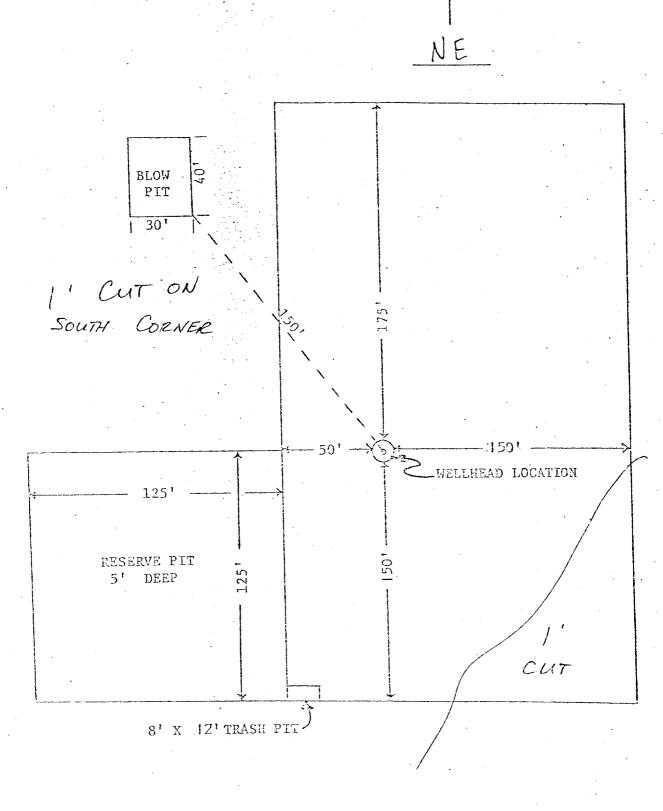
R. W. Schroeder, District Superintendent





PROPOSED WELL LOCATION

EXISTING GONZALES MESAVERDE WELLS



APPROXIMATELY 1.2 ACRES

Amogo Production Company	scale: L'=501
DRILLING LOCATION SPECIFICATIONS	
	DRG.
JICARILLA CONTRACT 155 #29	1110.