## SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

(E)*	Budget B	proved. ureau No.	42-R1425.
36	139-	27	56.1-
5. LE.	ASE DESIGNA	TION AND S	SERIAL NO.

(May 1963)				_	(Other insi		on	
(may 2 may		UNIT	ED STATES	•		se side)		26-139-22565
	DEPA	RTMENT	OF THE	NTER	IOR		,	5. LEASE DESIGNATION AND SERIAL NO.
	22 14. 7		SICAL SURV				l I	Jicarilla Contract 148
APPLICATION	u ron				N OR PILIG	BAC	K	Jicarilla Contract 148 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
APPLICATION	N FOR	PERMIT I	O DAILL, I	/ L L ! i	,, OK 1200	<i>D</i> , (C		Jicarilla Apache 7. UNIT AGREEMENT NAMB
Tal Type of Work	ILL 🛛		DEEPEN		PLUG B	BACK [		7. UNIT AGREEMENT NAME
b. Type of Well				SI	NOLE TO MUI	TIPLE [	_,	S. FARM OR LEASE NAME
oth white	AS X	OTHER		20			<u>-</u> i	
2. NAME OF OPERATOR	_	•						Jicarilla Contract 148
Amoco Prod		Company						28
ADDISORATEPOT		Farmina	ten Nort M	lovi co	87401		-	10. FIELD AND FOOL, OR WILDCAT
501 Airpor	Ceport lecution	on clearly and	in accordance wi	th any S	tate requirements.*)			Otero Chacra
970 FSL X 1790' FEL Section 13, T25N, R5W						-  -	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
-							Sw/4 Se/4 Section 13	
At profosed prod. zone same							T25N, R5W	
14. DISTANCE IN MILES	AND DIRECTI	ON FROM NEAR	REST TOWN OR POS	T OFFICE	•			12. COUNTY OR PARISH   13. STATE
15 Miles N	ortheas	t of Cour	selor New_	Mexic	.0			Rio Arriba   New Mexico
15. DISTANCE FROM PROF LOCATION TO NEARES	POSED*			16. NO	. OF ACRES IN LEASE	17	TO THE	ACRES ASSIGNED IS WELL
PROPERTY OF LEASE LINE, FT. (Also to nearest drig, unit line, if any)  970			70 <b>'</b>	1	60			160
IS, DISTANCE FROM PROPOSED LOCATION*			_ •	ł	OPOSED DEPTH	20	. ROTAR	r or cable tools Rotary
OR APPLIES FOR, ON THE	HIS LEASE, FT		39'	4	304:			1 22. APPROX. DATE WORK WILL START*
21. ELEVATIONS (Show W.	hether DF, R	T, GR, etc.)						as soon as permitted
6912 GL			nonogun gigi	N.C. ANI	CEMENTING PRO	OCRAM		
23.		P	ROPUSED CASI		·			
SIZE OF HOLE	i	F CASING	WEIGHT PER I		SETTING DEPTH		(15 c)	QUANTITY OF CEMENT × Class B × 2% CaCl2-Circ
12-1/4"	1	8" (New)	24.0# K- 9.5# K-		300' 4304'		370 s	$\times$ Class B 50:50 Poz w/6% ge
7-7/8"	_ 4-1/	2" (New)	9.0# 1	-	4,004		)# me	d tuf plug/sx and .8% FLA.
							Tail	in w/100 sx Class B Neat-Ci
Amaca uranase	e to dr	ill the a	above well	to fi	urther develo	op the	e Ote	ro Chacra reserves.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ha dri	ILAd ta -	the surface	a cas	ina boint US:	and no	31178	MUG. THE WELL WILL
		ひいきしゃ		$\sim n \cap n$	dishersed min	(1 5 / 5		COMPTELLOR GESTALL
will be based	for one	en hole k	ogs. A co	py of	all logs wi	ii ba'	, FILLE	a upon comprehion.
- Additional in	nformati	on requi	rea by Nit.	-6 +o	r the applica	атқоп •	No.	rith and a multi-
point surface	e use pl	an are a	ttached.				ari	
<b>T</b> )	thic wo	dlic no	t:dedicate	d.	j Ž	:		
The gas from	This we	11 15 110			ATIONS AUTHORIZE	ED ARE	DEC 9	10 com 1 de
This action is subject	ct to admini	strative	SUBJEC	T TO CO	MPLIANCE WITH A UIREMENTS"	ТТАСИЕ	P	9 138U
appeal pursuant to	30 CFR 290	).	"GENER	AL REQ	UIREMENTS"	10"	- UC/	S COM. /
							Dis	7.3
						`	Name of Street	and the second s
IN ABOVE SPACE DESCRI	ma proposed	FROGRAM: If	proposal is to de	epen or	plag back, give data	on prese	nt prod	active zone and proposed new productive land true vertical depths. Give blowout
zone. If proposal is to preventer program, if a	o drill or de	epen direction	ally, give pertine	nt data	on subsurface focatio	ous and i	ш телите с	l and true vertical depths. Give blowout
ul.		tral Stated	Sv					
		1 0-5-20-0	<del>)</del> , ,	יב זיר בי	District E	ngine	er	DATE November 17, 1980
StGNED		PROVE	. <u>D</u>	TE TE E E				
(This space for te	TEAST DE	SMEND	ED					
98 AMEC 50 a		EC 23 19	80 <i>-</i>		APPROVAL DATE			
	$-\mathcal{R}_{n}$	10 73 73	- 4 4 1 - 1					
APPROVED BY	A FIA	mes f. ysim	10-7	CLLFE				DATE
Cognessor	DIST	RICT ENGIN	IEER					

## SUPPLEMENTAL INFORMATION TO FORM 9-331C

### JICARILLA CONTRACT 148 NO. 28 970' FSL & 1790' FEL, SECTION 13, T25N, 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:

FORMATIO	<u>ON</u>	DEPTH		ELEVATION
Ojo Alamo		2676	Ť	4249
Kirtland		2876	t	4049 •
Fruitland		3071	Ť	3854 1
Pictured Cliffs		3251	1	3674 •
Chacra (if present)		4121	•	2804 •
Mesaverde	Cliff House Point Lookout		,	1
Gallup				1
Dakota			1	1
TD		4304	1	2621

Estimated KB eleva	tion: 6925 _	

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 FDC-CNL-GR

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

Operations will commence when permitted and last approximately  $\frac{3}{2}$  weeks.

And to's standard blowout prevention will be employed (see attached drawing).

In it post, drilling in this area has shown that no abnormal pressures, temperatures, nor hydrogen sulfide gas will be encountered.

# OIL CONSERVATION DIVISION

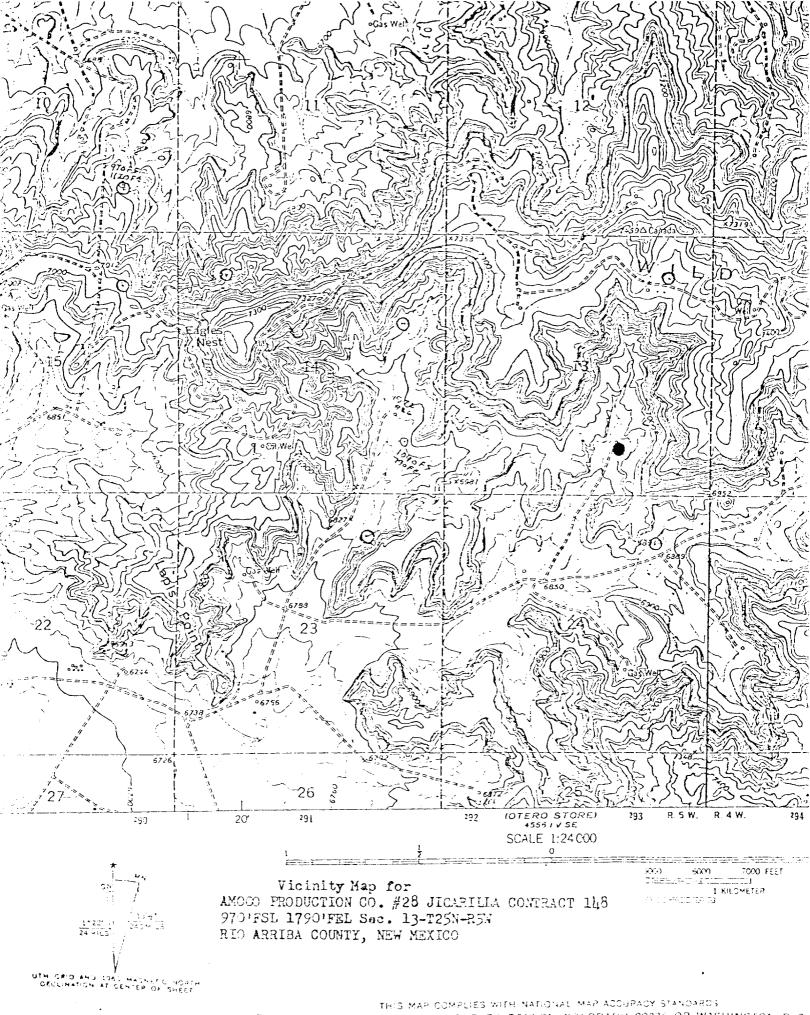
STATE OF NEW MEXICO HERGY AND MINERALS DEPARTMENT

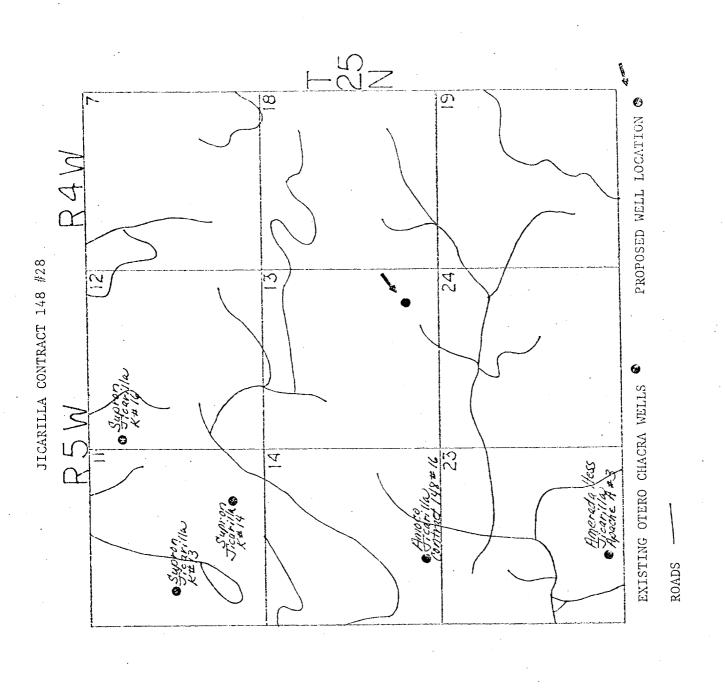
# P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

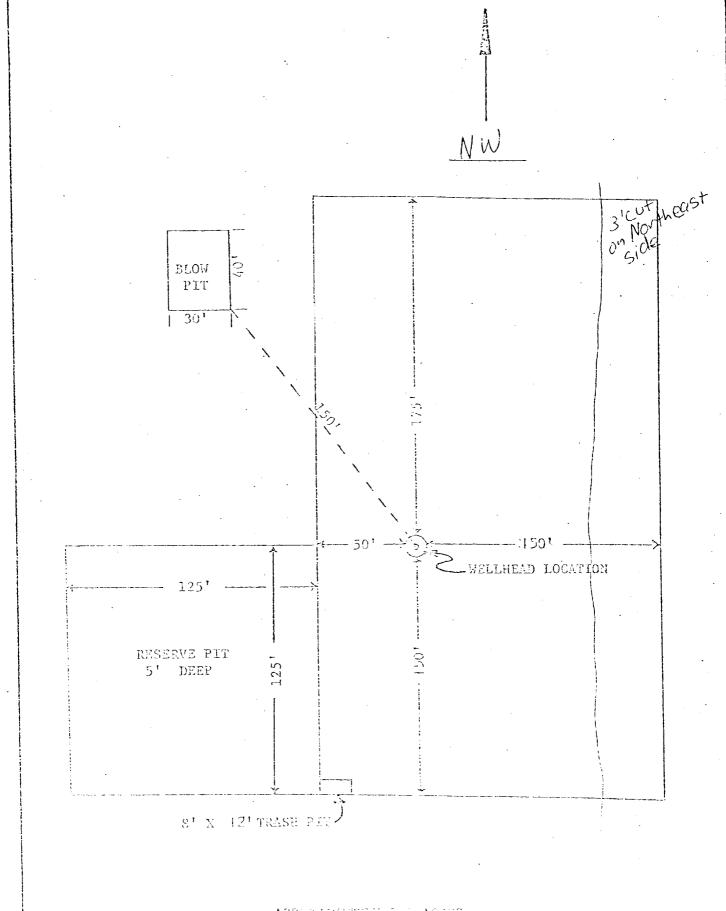
Form C-107 kevised 10-1-78

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

perator			Lear	10			Well No.	
perdioi			İ	JICARILLA	28			
AMOCO PRODUCTION COMPANY It Letter   Section   Township				Range County				
O Cerrer	13	25N	İ	5W	Rio	Arriba		
otual Footage Loc		L	1					
970		uth line	e cand	1790	feet from the	East	line	
cound Level Elev:			Pool			D	edicated Acreage:	
6912	Chacra			Otero Cha	cra		160 Acres	
		. 1 1 1				marks on the	e nlat helow	
2. If more th	<ol> <li>Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</li> <li>If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</li> </ol>							
3. If more th	an one lease of d	ifferent ownershi unitization, force- nswer is "yes," t	pooling.	etc?			all owners been consoli-	
	If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of							
this form if necessary.)								
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization,								
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-								
•	oling, or otherwise	or until a non-st	andard di	itt, Cilminatin	S Such interest		· ·	
sion.					<del></del>	1		
	<u> </u>			<del></del>			CERTIFICATION	
	1			1	į			
				i		I hereby c	ertify that the information con-	
	1			1		tained her	eln is true and complete to the	
	l			i i	İ	best of my	knowledge and belief.	
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	1			l		Kel-	to Nouncy	
				1	ļ	Name		
						R. A. D	OWNEY O	
	i			ŧ.	1	Position		
	; [			1		DISTRIC	T ENGINEER	
						Company		
	1			1		AMOCO P	RODUCTION COMPANY	
	1			t		Date		
	S=	ec.		1		SEPTEMB	ER 11, 1980	
	1			i	323			
	1		<del></del>					
	1			1	, <b>K</b>	1	certify that the well location	
	·	Ì	13	l	1	shown on	this plat was plotted from field	
				1		1	actual surveys made by me or	
	ł	4		1	4.44	1	supervision, and that the same	
	1	<b>)</b>		t			and correct to the best of my	
	1	į		1		knowledg	e and belief.	
	1	]: 1:		1				
	1	ľ	<b>©</b>	179	<u>0''</u>	Date Survey	red They I ? !	
		ļ.	4	1	•	July	30, 1980	
	i			1	i	1 ' '	Professional Engineer	
	•		. 0	1	l l	and Lan	d Surveyor	
	1		97	i	1	teres	esternal	
	1	l l		, 1	1	Fred	B. Kerr Jr.	
		<u> </u>	-	حسم المراجعة		Certificate	No. A.S. A. J.	
	See	ale: 1"=1000'				3950		



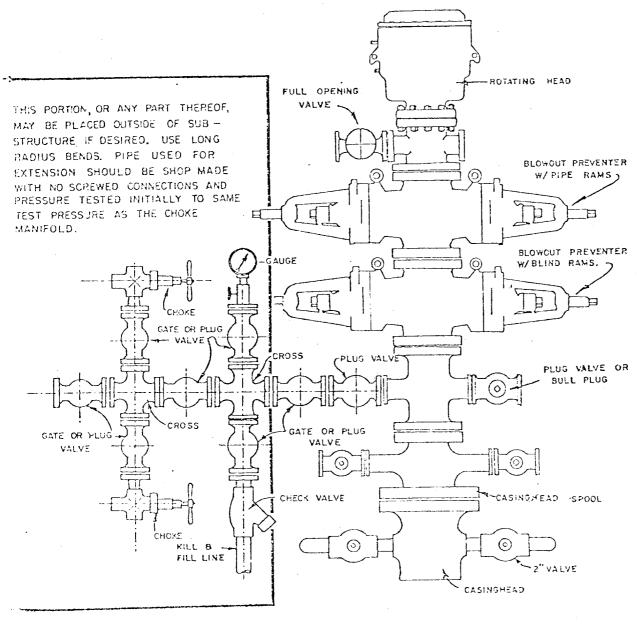




ARPROXIMENTELY 1.1 ACRES

Amoco Production Company	SGAUE: L <sup>11</sup> =50 <sup>1</sup>
DRULLING LOCATION SPECIFICATIONS	
Treamilla Countrary 148 No 28	DRG. NO.

- 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 148 NO. 28 970' FSL & 1790' FEL, SECTION 13, T25N, R5W RIO ARRIBA COUNTY, NEW MEXICO

- I. 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 are two 380-barrel tanks and facilities located at Jicarilla Contract 148 Well No. 10 (N-14-25N-12W).
- 5. Water will be hauled from Largo 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.
- There are neither airstrips nor camps in the vicinity.
- The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 3-foot cut will be made on northeast side.
- 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 canyon bottom with southwesterly drainage, alluvial surface deposits, and sandstone outcrops, with a sandy clay loam soil. Vegetation consists of sagebrush and natural 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 AMCCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved. W. Schmide

Date <u>November</u> 17, 1980

R. W. Schroeder, District Superintendent