SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

UNITE	ED 3	STALL	-5	
DEPARTMENT	OF	THE	INTERI	OR

GEOLOGICAL SURVEY

	22	526
5. LEASE DESIGNA	TION AND	SERIAL NO.
licarilla C	`ontra	± 1/18

A BOLICATION	V FOR PERMIT T	O DRILL DEFE	EN OR PILIG	BACK	6. IF INDIAN, ALLOTTES OR TRIBE NAME
In. TYPE OF WORK	4 LOY LEWALL I	O DRILL, DELL	LIT, ON I LOU	DACK	
	ILL 🛛	DEEPEN [PLUG BA	√CK □	7. UNIT AGREEMENT NAME
b. Type of well	\z		SINGLE DULL	IPLE X	S. FARM OR LEASE NAME
WELL W	AS OTHER		IONE ZONE	(X)	Jicarilla Contract 148
	RODUCTION COMPAN		e de la companya de l		9. WELL NO.
C. ADDRESS OF OPERATOR	CODUCTION COMMENT	11 6 6 6			20
501 Airs	port Drive, Farm	nington, New Me	exico 8740;	= =	10. FIELD AND POOL, OR WILDCAT
1. LOCATION OF WELL (E. At surface	aport location clearly and	in accordance with any	State requirements.*)		So. Blanco Pictured Cliffs Otero Chacra est
	_ and 1620' FEL,	Section 23, T	25N, R5W	•	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zoz					NW/4, NE/4, Section 23,
	Same				T25N, R5W
	AND DESECTION FROM NEAR		•		12. COUNTY OR PARISH 13. STATE
14 miles 15. BISTANCE YEAR PEOP	Northeast of C	ounselor, New	Mexico	17 NO.	Rio Arriba New Mexico
LOCATION TO NEARES PROPERTY 62 LEASE I	*	920'	2560	тот	HIS WELL
(Also to nearest dri	; unit line, if any)		PROPOSED DEPTH	20. ROTA	IN OR CABLE TOOLS
TO NUMBERT WELL I OR APPLIED FOR ON TH	CHLLING, COMPLETED,	2269'	3960'	-	Rotary
21. ELEVATIONS (Show wh		1			22. APPROX. DATE WORK WILL START*
6330' GI					As soon as permitted
23.		PROPOSED CASING AN	O CEMENTING PROGR	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	3001	-! 315 s	x Class "B" w/24 CaCl2-circ
7-7/8"	5-1/2" (New)	15.5# K-55	39601		1: 200 sx Class "B" Neat-circ
Thursday.	אחת כיידי דיין	Jhis ad 11.			2: 500 sx Cl B 50:50 POZ, 6%
		appeal pullu	Jan 10 30 CFR 290.		# med tuf plug/sx and .8% FLA.
•	s to drill the a			Tail.	in w/100 sx CL B Neat-circ.
-	. Blanco Pictur	•		Set D	V tool at 3200'.
	well will be dr			-	
	stive mud. The low solids nond				
	III be based on				
	be filed upon o		• •		
	dired by NTL-6				
and a multi-p	oint surface use	e plan are atta	eched.		2500
The gas from t	he Pictured Cli	ffs formation	is dedicated		
World and Disaling Company and the gas from the Chacca					
is dedicated t	to El Paso Natur	al Gas Co.			0C7, 40\
		•			0/2 00 7/900
	er managana program. If	numbered in the deeper of	ntur bash rima data sa	nescant rea	OCT 7 1980 OLL CON 1980 ductive trong Dio prof Con new productive
	n proposed program: If drill or deepen direction	illy, give pertinent data	on subsurface locations	and measure	ed and true vertical depths. Gir blowout
preventer program, if as 24.	ay.				
	11 1 Vations		5 .	•	
SIGNED	DODDVED	TITLE TITLE		10965	
(This spare for Fed	eral or State office use)				
PERMIT NO.	AMENDED		APPROVAL PATE		
	OCT 1 6/1980/		A. I morrator to construction		
APPROVED AT	mee Warnster				DATE
construent of 400m	JAMESTF: SIMS				 -
I DIS	STRICT ENGINEER				

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO JERGY AID MINERALS DEPARTMENT

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

Form C-107 keyised 10-1-78

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

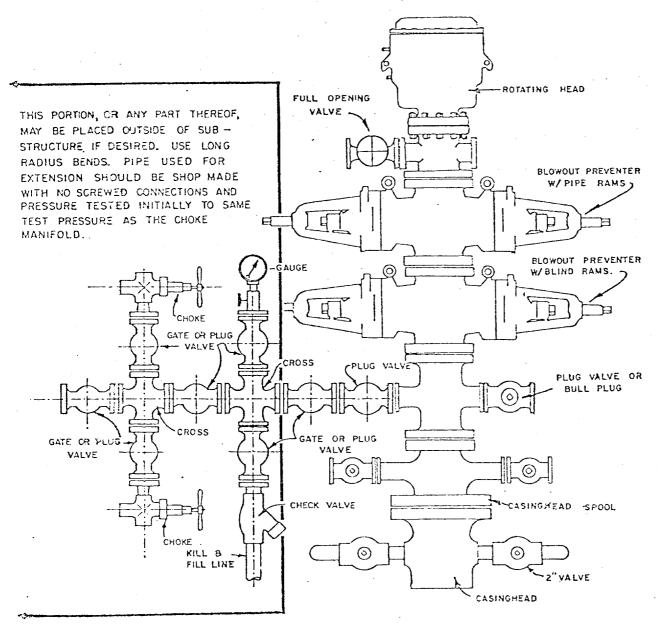
			17				Well No.
Perator Lease ITCAPTLIA COMPANY ITCAPTLIA CONT			R.Ir mo.ecm		20		
AMOCO PROD			County				
В	23	25N		5W	Rio A	rriba	
Actual Footage Loc							
920	feet from the No	orth line on	d 162	O fee	t from the Ea	ast	line
Ground Level Elev:	Producing Fo	rmation			ictured Cli	iffs/ Dedica	ited Acreage:
6830	Picture	l cliffs/ Chacra	Ot.	ero Chacra	Ept_		160 Acres
2. If more the	han one lease i	ated to the subject s dedicated to the w					I (both as to working
3. If more the dated by	communitization,	unitization, force-po answer is "yes," type	oling.etc?	idation			Owners been consoli-
this form No allowa	if necessary.) ble will be assig	ned to the well until	all interest	s have been	consolidated	(by communi	tization, unitization,
`						CEI	RTIFICATION
	 		9201	1620'		tained herein is	that the information con- strue and complete to the wiedge and belief.
	 		₋			R.A. DOWNE	Jouney EY
	! 		 		O .	ate	OUCTION COMPANY
	S	ec.		,		SEPTEMBER	5, 1980
	 	23			10	shown on this	Is that the well location of the was plotted from field a way of the same or wision, and that the same or ect to the best of my belfer.
	i		·	 	F	July Degistered Recte md Land Surv	1980 (Figure 1)
		ale: l"=1000'		<u> </u>		Fred 35 Y	NERR. IR.

SUPPLEMENTAL INFORMATION TO FORM 9-331C

JICARILLA CONTRACT 148 NO. 20 920' FNL & 1620' FEL, SECTION 23, T25N, R5W RIO ARRIBA COUNTY, NEW MEXICO

The geologic name of	the surface	formation i	s the	Tertiary Sa	an Jose
Estimated tops of imp		gic markers	and potent	tial water,	oil, or
FORMATION		DEPTH		ELEVATION	-
Ojo Alamo		2530 '		4313	•
Kirtland		2680 '		4163	1
Fruitland		2865 '		3978	1
Pictured Cliffs		3050 '	•	3793	•
Chacra (if present)		3876 ¹		2967	1
Mesaverde Cliff Ho Point Lo		1			t T
Gallup		3			1
Dakota					•
TD		3960 '		2883	1
Estimated KB elevati	on: 684	43			
Drilling fluid to TD system. Open hole 1 surface casing:	will be a f ogging progr	resh water, am will inc	low solids lude logs f	non-dispers	sed mud elow
		CNL-GR: Sui	^f-TD ^f-TD 2000'		
Completion design witests will be taken.	11 be based	on these lo	gs. No cor	es or drill	stem
Operations will comm	ence when pe	rmitted and	last appro	eximately _3	weeks.
Amoco's standard blo	wout prevent	ion will be	employed ((see attache	d drawing)
In the past, drilling temperatures, nor hy					ssures,

- 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. 20 920' FNL & 1620' FEL, SECTION 23, T25N, R5W RIO ARRIBA COUNTY, NEW MEXICO

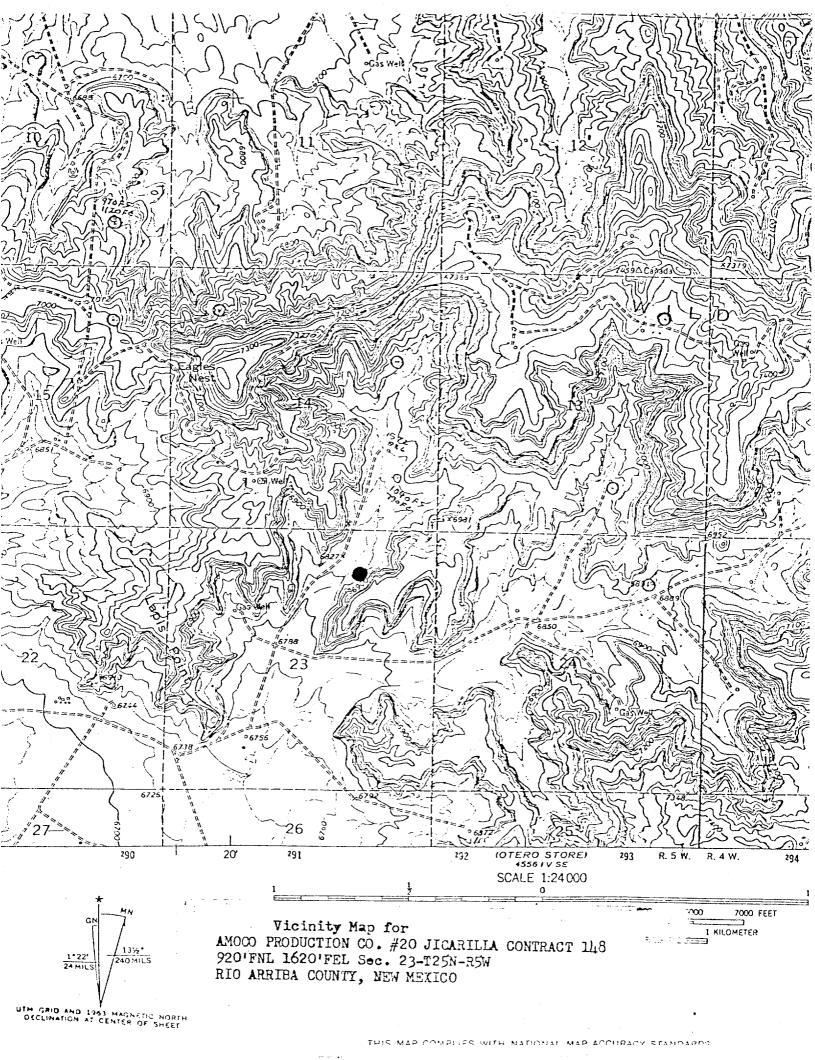
- 1. The attached topographic map shows the proposed route to the location.
- 2. It will not be necessary to build any access road.
- Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
- 4. There is a 380-barrel tank and facilities located at Jicarilla Contract 148 Well No. 10, approximately one-half mile northwest.
- 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.
- 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. No cuts will be necessary.
- 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 canyon bottom and pediment slope with southwesterly drainage, and sandstone outcrops, with sandy clay loam soil; vegetation consists of sagebrush, grease wood and other native grasses.

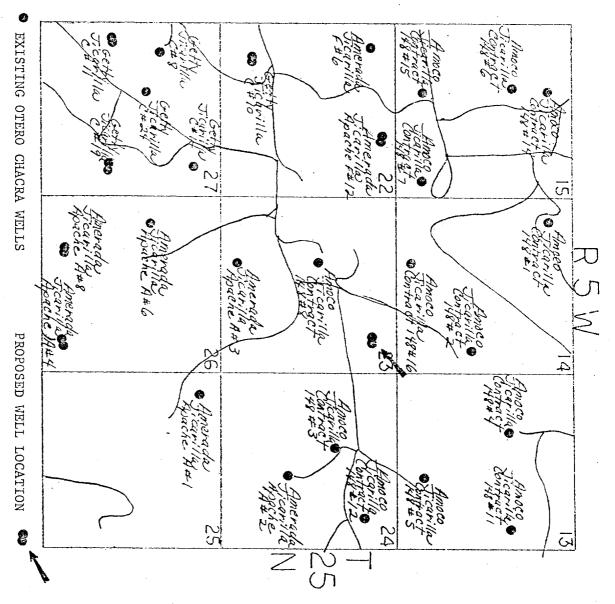
Representatives of the U. S. Geological Survey's Farmington Office and the Jicarilla Tribe's Dulce Office inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

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 October 1, 1980	K.w. Sehroedingo
	R. W. Schroeder, District Superintendent





• EXISTING SO. BLANCO PICTURED CLIFFS WELLS

ROADS

