SUBSET IN TEMPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42~R1425.

UNITED STATES

Control of the contro	DEDV	UNITE	ED STATES OF THE IN	NTERI	oR	remense sid	le) [30-045-25 5. LEASE DESCINATION	16.45
	DLIA		ICAL SURVE					SF-078	
APPLICAT	ION FOR I				V, OR i	PLUG B.	ACK	6. IF INDIAN, AUGOTTE	- Arrest San
a. Tyre or would	DRILL [3		DEEPEN [UG BAC	[-	7. UNIT AGREEMENT . Gallegos Car	
6. TYPE OF WELL OID WELL []	GAS EE	OTHER I	NFILL	SIN ZON	ers 🖭	ZOPR WELTISI	٤.	S. FARM OR LEASE N.	
in caso sé BATRET. Si COOMA	RODUCTION	COMPANY						9. WELL NO. 217E	
501 A T	mora Drive	, Farming	ton, New M	lexico	87401			10. FIELD AND POUL,	OR WILDCAT
At Situate 840' FD	L and 1050		_			19213.71		Basin D 11. sec., T., E., M., OR AND SURVEY OR A NW/4, NW/4, S	BLK.
XAt proposed fr	i. cons Sau	ie						T28N, R	12W
14. bistancs in 1	les Southe							San Juan	New Mexico
THE DISTANCE PROOF	PRATOSSD*	ast of ta	•	16. So.	07 4.283 2	N LEASE		PRACRES ASSIGNED	·
LOCATION I + 2. PROPERTY 1.2 (Also to E-47)	st dag, uait line,	if any)	8401	10 5	1207.1		20 BOTA	W/320	
(S. DISTANCE F	E PHOTOSED LOCAT BELL DESCRIPTION CO ME THIS LEASS, FT	MERCIEU,	2300'	15. 1740	6500			Rotary	
21. ELEVATIONS		T, GR. etc.)						22. APPROX. DATE V	
5541' (3L		ROPOSED CASI	NG AND	CEMENTI	vi progr.		As soon as	permitted
			WEIGHT PET F		SSTIN		1	MED 30 YTITALIQ	BNT
1.2-1,		S" (New)	24# K-			001		Class "B" w/	'2% CaCl2-circ.
7-7/3	4-1/		10.5∦ K-	55	65	ça!		1-360 sx Clas	
			tion of the second		و المنافعة الما			gel, 2# med 8% FLA. Tail	
This applic	ation to d	rill an I	nfill Basi	n Dak	ota wel] is	Class	"B" Neat-circ	2.
กษะรมสกุก In	Order No.	R-1670-V	approved	by th	e MMOCC	. en		2-640 sx Clas	ss "B" 65:35 l tuf plug/sx,
May 22, 197 of the National	9. This W ∵rat Cas Po	ell Will	quality un under Orde	mer s	R-1570	_05 }-V.			in w/ 100 sx
The gas for	m this wel	l is dedi	cated to E	l Pas	o Natur	al	Class	"B" Reat-cire	2.
Gas.							DV Too	ol set at 4172	21.
		R	ECEIV	ED			A SALVANIA		
			SEP 1 5 15	18U			IT IT I		
			S. GEOLOCICAL	9UN7E\		(1)	HYLI) /	
		0.	FARMINGTON.	81. 1.1. 		\817)	3 L. R. W. 10	l Ogu	
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is asseve sower, the impresents pro-in-	i somme paopossi , is to drill or d o. if apv.	o paogram: If sepen direction	proposal is to de- ally, give pertino	epen of F nt duta c	dna birk, gi on salkundu 	e locations,	0157 0157	a prive zine and proped and true vertical de	osed new productive pths. Give blowout
\$16.880 2\(\sqrt{1}\)	2/12-6	My	- 	TT: 8		et Engi			<u>ember 17, 19</u> 80
What seed A	H AMEN	ED (co nse) DED	44		April News 1	£=5			
CONTRACTOR	P10V 0,4)	980 /		MT. 0	TARREST TARREST ACTIVITY	- /		DATE	
APPENDED.	JAMES F. SI DISTRICT ENG	INEER	<u> </u>	"ITLB					·

OF COMPERANTION PLAISION

P. O. BOX 2088

SANTA FL, NEW MEXICO 87501

Form C-102 Revised 10-1-78

· · · · · · · · · · · · · · · · · · ·		rem the cuter hounderies	TI THE SECTION	
.; mater	- 	Lease		Well No.
AMOOO PRODUCTION COMP	ANY	GALLEGOS CAN	YON UNIT	217-E
Unit Letter Section	Township	Range	County	
D 13	28N	12W	San Juan	
Actual Footage Location of Well:			· · · · · · · · · · · · · · · · · · ·	
840 feet from the	North line and	1050	eet from the West	line
	Formation	Pool	cer nom the	Dedicated Acreage:
5541 Dako	ta	Basin Dakota		220
1. Outline the acreage dec	1 1			
2. If more than one lease interest and royalty).3. If more than one lease of the control of th	is dedicated to the we	ll, outline each and is	dentify the ownershi	p thereof (both as to working of all owners been consoli-
If answer is "no," list this form if necessary.)_ No allowable will be ass	If answer is "yes;" type he owners and tract des igned to the well until al	of consolidation <u>Un</u>	actually been conso	lidated. (Use reverse side of communitization, unitization, een approved by the Commis-
•		erates Gallegos (anyon tained	CERTIFICATION by certify that the information con-
1050' B-11	interest		Bone	FACKRELL
NM S E-24	STATE 447	SEP 18 16	Position DISTR Company	RICT ENGINEER
1	Sac.	U. S. OF OF OCIONAL S.	Date FEBRU	PRODUCTION COMPANY (ARY 6, 1980
. ○	13		shown	by certify that the well location on this plat was plotted from field
		CEC.	under is true	of actual surveys made by me or my supervision, and that the same e and correct to the best of my edge and belief.
- — — — — SF-P78905 I I		OIT CO	Date Sur	VI GOVERNO
	17. 17.1.		Register und/or L	i B. Kert Jr.
330 650 -20 1320 1550	1980 2310 2640 2000	1500 1000	3950 o 3950	1

SUPPLEMENTAL INFORMATION TO FORM 9-331C

GALLEGOS CANYON UNIT NO. 217E 840' FNL & 1050' FWL, SECTION 13, T28N, R12W SAN JUAN COUNTY, NEW MEXICO

The	geologic	name	of	the	surface	formation	is	the	Tertiary Nacimiento	
10e	- EGOTORIC	name	UL	LHE	Surrace	LOTHUCLOR	1.0	CIIC	TOTOTALL THOUSAND	

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

FORMATIO	071	DEPTH		ELEVATION
Ojo Alamo		182'		5372 '
Kirtland		272		5282 1
Fruitland		1052'		4502 '
Pictured C.	liffs	1402		4152 *
Chacra (if	present)	•		1
Masaverde	Cliff House Point Lookout	2955 ¹ 3872 ¹		2599 ' 1682 '
Callup	•	5042 1		512 '
Dakota		5802 '	-	- 348 ·
TD		6500 '		- 946 t

ESCENACE IN CLOVEDES	Estimated	KВ	elevation:	5554
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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:

SP-GR-Induction FDC-CNL-GR

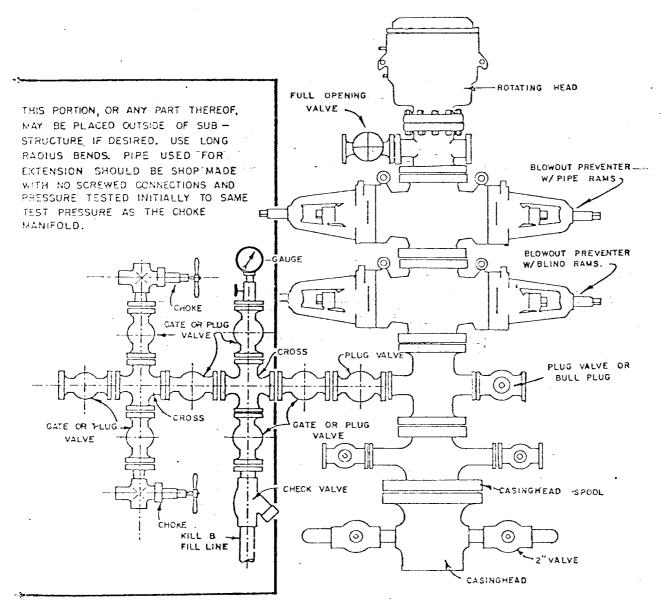
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 3 weeks.

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

In the past, drilling in this area has shown that an 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

GALLEGOS CANYON UNIT NO. 217E 840' FNL & 1050' FWL, SECTION 13, T28N, R12W SAN JUAN 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 300 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 Gallegos Canyon Unit Well No. 201, one-half mile north.
- 5. Water will be hauled from the San Juan River.
- 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 southwest 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 Land Management.
- II. The general topography is an uneven terrain with sandy loam soil; vegetation consists of juniper trees and native grasses.

Representatives of the U. S. Geological Survey's Farmington Office, and the Bureau of Land Management inspected the site with Amoço personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

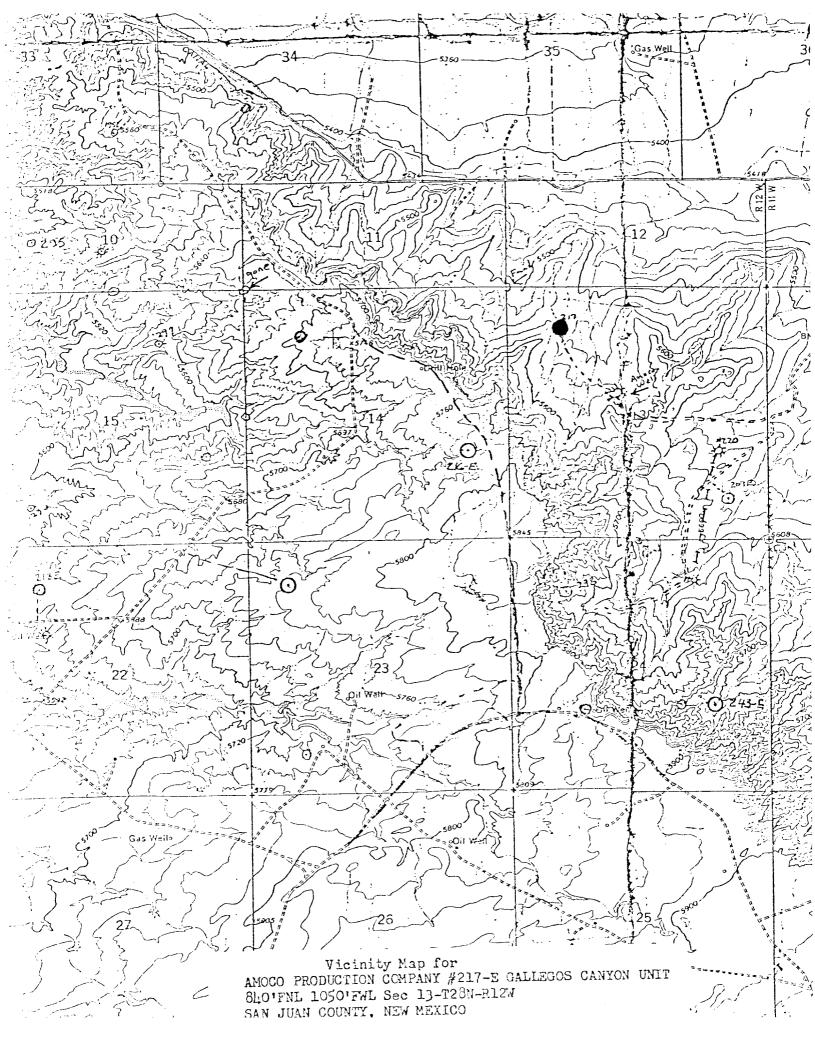
12. Operator's Representative: R. W. Schroeder

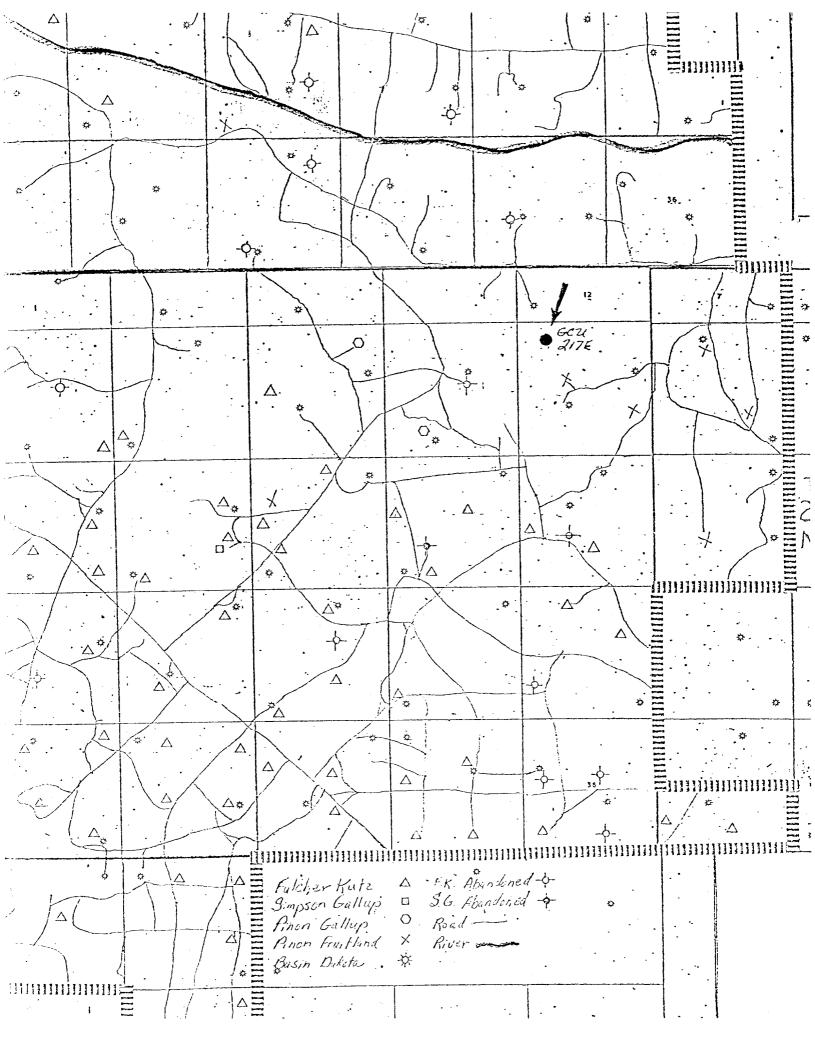
Phone: Office: 505-325-8841; Home: 505-325-6164 Address: 501 Airport Drive, Farmington, NM 87401

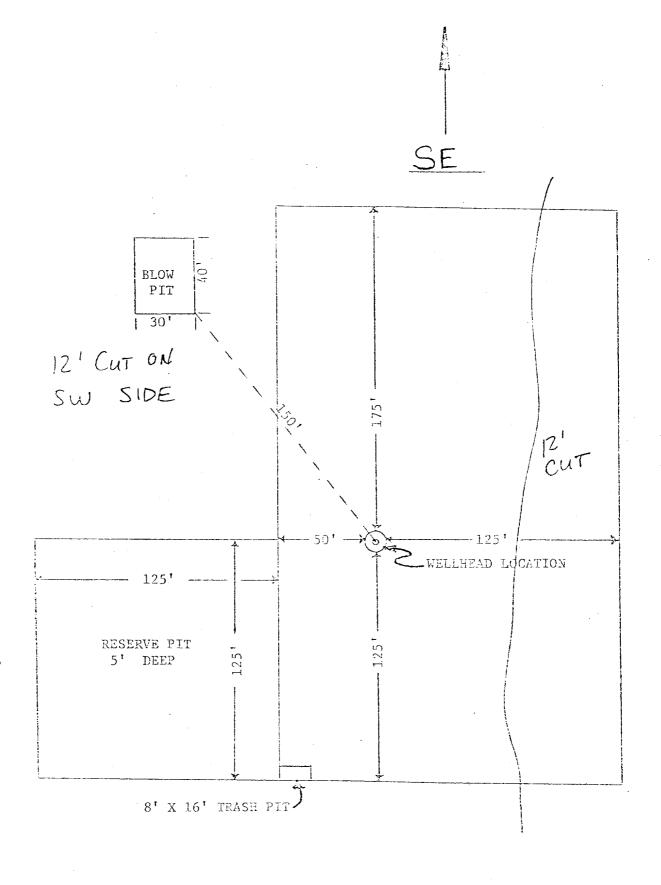
Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the 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 10, 1980

R. W. Schroeder, District Superintendent







APPROXIMATELY 1.2 ACRES

	Amoco Production Company	SCALE: 1"=50"
	DRILLING LOCATION SPECIFICATIONS	
Target and the state of the sta	GALLEGOS CANYON (WIT # 217E	DRG. NO.