## UNITED STATES

Form 9-331 C ( \ay 1963)				(Other instruc		Budget Bureau	No. 42-R1425.	
		TED STATES		reverse si	ide)	30-045-	15717	
	DEPARTMENT	COF THE IN	ITERI	OR		5. LEASE DESIGNATION	<del></del>	
	GEOLO	GICAL SURVE	Y	PEINE	M	SF-078905		
APPLICATIO	N FOR PERMIT	O DRILL. D	ERPE	V OR PLUG	Adk	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME	
la. TYPE OF WORK	117011111111111111111111111111111111111		4 VA	_	<u>ש</u>			
DR	RILL 🛛	DEEPEN [	] ,	VAY 2 PŁ 1003 BA	CK 🗌	7 UNIT AGREEMENT NA Gallegos Cany		
b. TYPE OF WELL			/ sinc	MOON. DIV	Le 🗀	S. FARM OR LEASE NAM		
WELL !	WELL X OTHER				• 🖳	S. FARM OR LEADE NAM	2	
2. NAME OF OPERATOR	tion Compone			DIST. 3		9. WELL NO.		
AMOCO Produc	ction Company					159E		
501 Airport	Dr., Farmington	, NM 87401			EV.	1 FIELD AND POOL, OF	WILDCAT	
4. LOCATION OF WELL () At surface	Report location clearly and	in accordance with	any Ste			lasin Dakota		
1850' FSL x	980' FWL		1	K.	1983	11. SEC., T., R., M., OR B	LK.	
At proposed prod. 20			Ì			NW/SW, Sect	ion 31,	
	Same  AND DIRECTION FROM NEA	PROUNDED POST	OFFICA*	MAT U.S. GEOLOGIC	NI SURVI	T28N, R12W	13. STATE	
	SE of Farmingto		1	GEOLOGIC	AL SURY	San Juan	NM	
15. DISTANCE FROM PROI	POSED*	11, 1111	16. No.	F ACRES TATION	1 17. NO.	OF ACRES ASSIGNED		
LOCATION TO NEARES	LINE, FT.	980'	1	207-18	320	His WELL		
18. DISTANCE FROM PRO			19. PROI	POSED DEPTH	20. ROTA	ABY OR CABLE TOOLS		
TO NEAREST WELL, OR APPLIED FOR, ON T		000'		110'	Rot	ary		
21. ELEVATIONS (Show w		BRILLING OPERA				22. APPROX. DATE WO		
			AC14C117	E WITH ATTACHED	This	as soon as per		
23.	. 1	roposed casin	G AND	CEMENTING PROGR.	AM IND	eal pursuant to 30 CFF	2 290:	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	от	SETTING DEPTH		QUANTITY OF CEMEN	T	
12-1/4"	8-5/8" (new)	_24# K-	55	300'		ft class B w/		
7-7/8"	4-1/2" (new)	10.5# K-	55	6110'		1-531 cu ft cl		
						5% gel, 2# med		_
A	, ,,, to duill the	aborro rroll	+0 f	urthor		8% FLA. Tail B neat-circ.	in w/iio cu i	L
	ses to drill the Basin Dakota re					2-1960 cu ft c	lass B w/65:3	5
<del>-</del>	the surface cas					5% gel, 2# med		
	ell will then be		_			TLA. Tail in w		
low solids r	nondispersed mud	system. C			B neat	-circ	•	
	be based on ope			pies of	20051			
	ll be filed upon			oco's	DV too	ol set at 3905'	• *	
	owout prevention wing for blowou						<i>3</i>	
attached die	wing for browed	e preventer	ucsi	6				
Upon complet	cion the well lo	cation will	be c	leaned and the	e reser	eve pit filled	and leveled.	
-	from this well	is dedicat	ed to	El Paso Natu	ral Gas	s Company under		
contract No.								
IN ABOVE SPACE DESCRIE	E PROPOSED PROGRAM: If drill or deepen directions	proposal is to deep	en or pli data on	ig back, give data on f	present pro	ductive zone and propose ed and true vertical deptl	d new productive is. Give blowout	
zone. A proposai is to preventer program, if a								
24.								
SIGNED	March Commence	TIT	LED	istrict Engin	eer	NATE	5=5-83.	
	eral or State office use)						<del></del>	
					-	A D D D D C V	(ED.)	
PREMIT NO.			^^	APPROVAL DATE		APPROV		
		***	, p			AS AMEN	DED	
CONDITIONS OF APPRO	VAL, IF ANY :		1/6/			MANY 9 2	163	
<b>A</b> ) L	NC: 496					WIAI, A J	2003	
, ,						IAMES E	TIME	

NMOCE

MAY 2 3 1983 JAMES F. SIMS DISTRICT ENGINEER

## P. O. BOX 2083 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

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

Operator				Lease			Well No.
AMOGO PRODUCTION COMPANY			GALLEGOS CANYON UNIT 1598			•	
Unit Letter Section Townshi		•	Range	County			
Actual Footage Las	1 31 Tion of Walls		28N	12W	Sa	n Juan	
1850	feet from the	South		980			
Ground Level Elev:		ing Formation	line and		feet from the	West	line
5728	Dak	ota		Basin Dako	eta		Dedicated Acreage:
1. Outline th	ne acreage d	edicated to	the subject we		pencil or hachur	e marks on	1 304 Acros
2. If more the interest as	nan one leas nd royalty).	se is dedica	ited to the well	, outline each	and identify the	ownership	thereof (both as to working
3. If more the dated by c	an one lease communitizat	of different ion, unitizat	ownership is dion, force-pooli	ledicated to the	e well, have the	interests o	of all owners been consoli-
X Yes	☐ No	If answer is	s "yes;" type o	f consolidation	Unitization.	•	
If answer	is "no," list f necessary.)	the owners	and tract descri	riptions which	have actually b	een consolid	lated. (Use reverse side of
							•
route post	ling, or other	wise) or until	a non-standard	unit, eliminat	been consolidating such interes	ited (by con its, has been	nmunitization, unitization, a approved by the Commis-
sion.				······································			11 -
	The second secon	SE.V.		!			CERTIFICATION
•	1			l I		I harabu	certify that the information con-
	,			İ			erein is true and complete to the
	i .		Amoco W	M I is of	E ID		ny knowledge and belief.
	1		52% <sub>[.</sub>	GEIV			
	•		No. of the same	i		Nome	H thoundle
				H.H.283			Shoemaker
	. 0	· 	JII.	cch. D	V.	Position	
	.1		·	DIST. 3			ct Engineer
				1		Company Amogo I	Production 0
	I I	Sec.			Terrent .	Date	Production Company
	ł	<b>380.</b>		CEVE MAY 6 198 U. S. GEOLOGICAN U. S. ARAMINISTON	5 \	5-5-83	
	1			- WE			
	1	1	13101	108	3	I hereby	certify that the well focation
	1		122	6 /20	~	,	this plat was plotted from field
980:	!		1	MYII	SURVE	notes of	octual surveys made by me or
	1			TOLOGICAL	M. M.		supervision, and that the same
	1		1	U. S. ARMINUS	and the state of t		nd correct to the best of my and belief.
<del></del>			\	<u></u>			
	!			1			
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18501	1	ġ.		1		ITS DGT	087-94/1980
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	!			i		- 3/1	
					1	Fred B	Kerr Jr.
	S	cale: ln=	10001		7	Certificate S	, , , , , , , , , , , , , , , , , , , ,
						1-32203	San May

## SUPPLEMENTAL INFORMATION TO FORM 9-331C

GALLEGOS CANYON UNIT NO. 159E 1850' FSL & 980 FWL, SECTION 31, T28N, RI2W SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Tertiary Nacimiento

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

FORMATION	DEPTH	ELEVATION
Ojo Alamo	50 ,	5691 •
Kirtland	100 •	5641 •
Fruitland	250	5491 •
Pictured Cliffs	1310 ,	4431 •
Chacra (if present)	1	1
Mesaverde Cliff House Point Lookcut	2216 † 3755 †	3525 <b>!</b> 1986 <b>!</b>
Gallup	4920 •	821 •
Dakota	5930 ·	- 189 <b>·</b>
TD	6110 •	- 369 1

Estimated	KB	elevation:	5741	1
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T0714.

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 top of Mesaverde formation:

SP-DIL-SPL-GR log and FDC-CNL-GR-Caliper log. Mudlogged from TD to BSC

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  $\frac{3}{2}$  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.

