Form 3160-3 (November 1983)

SUBMIT IN TRIPLICATE. (Other instructions on

Form approved. Budget Bureau No. 1004-0136

(formerly 9-331C)		ED SINIES		erse side)	Expires August 31, 1985
		r of the int		V	G. LEARE DESIGNATION AND SERIAL NO.
	BUREAU OF	LAND MANAGEM	IENT 30-039	- 25045	SF-079290-B
APPLICATION	N FOR PERMIT	IO DRILL DEF	PEN OR PLU	GRACK	6. IF INDIAN, ALLOTTER OR TRIBE NAME
In. TYPE OF WORK	TON TEMPIN	TO DIVILL, DEL	ILIT, OR TEO	O DACK	
	ILL 🗓	DEEPEN []	PLUG	BACK 🗀	7. UNIT AGREEMENT NAME
b. TIPE OF WELL	••			27.1411	
WELL W	AH (X) OTHER	Coal Seam		ONE	8. FARM OR LEASE NAME
2. NAME OF OPERATOR	•				San Juan 28-7 Unil
AMOCO Produc	tion Company	ATTN: J.	L. Hampton		9. WELL NO.
					#412
P. O. Box 80	Denver, Co	lorado 802	Ol		10. FIRLD AND FOOL, OR WILDCAT
million			ay state requirements.	•	Basin Fruitland Coal Gas
2310 ' At proposed prod. zor	FNL, 1620' FEL	, SW/NE			11 BEC., T., R., M., OR BIK. AND SURVEY OR AREA
At proposed prod. 201	ve √same				Sec. 25, T28N R7W
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST OF	Fice		12. COUNTY OR PARISH 18. STATE
•					Rio Arriba
15. DISTANCE FROM PROP		10	. NO. OF ACRES IN LEA	8E 17. NO.	OF ACREM ASSIGNED
PROPERTY OR LEASE I	LINE, FT.	:201	220 00	10 7	ILIS WELL
18. DISTANCE FROM PROI	COSEL LOCATIONS	520'			20 acres E/2
OR AFFLIED FOR, ON TH			22.42 1 700	Rota	
21, ELEVATIONS (Show wh	ether DF, RT, GR, etc.) 7	his action in sublem	5141	1 Moca	22. AFFROX. DATE WORK WILL START*
621	.8! / GR p	rocedural review pu	urseant to 43 CFR :	31 88 9	The state of the s
23.		THOTOGRAD BYSHIC	ARD 43 CHR 2165.4	ROCRAM	TO CONTRACT ADDITIONATED ARE
SIZE OF HOLE				\$10.50	OF THE COMPANIES WITH ATTACHED
	MIZE OF CARING	WEIGHT PER FOOT	T PER FOOT BETTING DEPTH "		QUANTITY OF CRMENT
12_1/4"	8_5/8"	24#	250'		cf (cement to surface)
7_7/8"	5_1/2"	17#	3141'		cf (cement to surface)
			}		
		•	•	•	
Notice of St	aking was submi	tted: 10/24/0	0		
	y	10/24/9	U		
Lease Descri	ption:		Para and		<u> </u>
			ID) E m	FRUE	
T28N-R7W:			1/1/ - 4	EIVE	IN)
					1())
Sec. 25:	N/2		JAN]	8 1991	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back sive data 2

OIL CON. DIV

one. If proposal is to drill or deepen directionally, giverenter program, if any.	we pertinent data on subsurface locations and measure	roductive some and proposed new productive ired and true vertical depths. Give blowout
BIGNED J.L. Haippton	тиль Sr. Staff Admin. Supv.	DATE 10/30/20
(This space for Federal or State office use)		
FERMIT NO.	APPROVAL DATE	AS AMENDED
AFPROVED BY	TITLE	APP (1) 1991
CONDITIONS OF APPROVAL, IF ANY:	NMOCD	FIGHEA MANAGER

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a grime for any person knowingly and willfully to make to any department or agency of the United States any false, fletitious or finululent statements or representations as to any matter within its jurisdiction.

Amoco proposes to drill the well to further develop the Fruitland Coal reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to the total depth with a non-dispersed mud system. The attached modified 12" 3000 psi blowout preventer will be used (please see attached BOP information). The well will be completed in the Fruitland Coal with a fracture stimulation.

Quantity	Size	Weight	Description	Cementing Program
SURFACE CA 250' 8		24#	K55 ST&C	250 cf Class B, 2% CaCl ₂ 15.6 ppg
INTERMEDIA 314/ 5.		ING 17#	K55 ST&C	67/cf Class B, 65:35:6 10% salt, .25% dispersant 13.1 ppg 118 cf Class B, 2% CaCl ₂ 15.6 ppg

The above casing design is based upon a 11.0 #/gal mud weight.

EVALUATION

The log surveys (FDC/GR/CAL, Microlog) will be run per attached drilling and completion program.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

<u>DISTRICT I</u> P.O. Bux 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410 State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

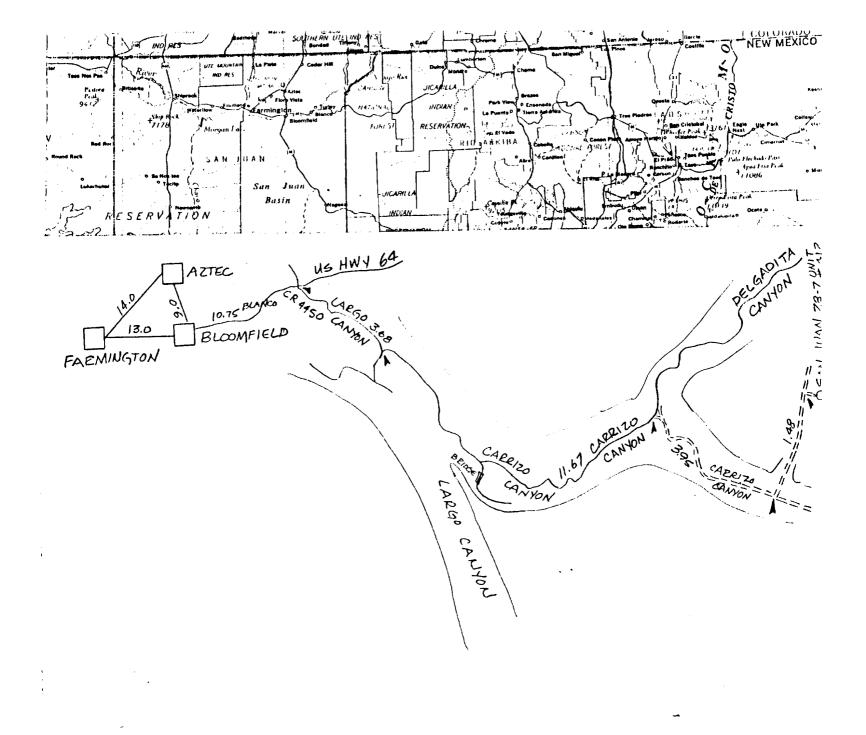
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

		AR DISCORDE INCST			
Operator AMOCO PRO	DDUCTION	COMPANY		IAN 28-7 UNI	
Unit Letter Secti	on 1	Township 28 NORTH	Range 7 4	IEST NM	County RIO ARRIBA
	f Well: from the	NORTH line and		1620 feel (rom the EAST line
Ground level Elev. 6218	Producing F Fruit la	nd Coal	Basin	Fruitland Co	Dedicated Acreage: 320.0
	creage dedicated to	the subject well by colored p		irks on the plat below.	
2. If more than	one lease is dedica	sted to the well, outline each a	nd identify the own	ership thereof (both as to w	orking interest and royalty).
	one lease of differ orce-pooling, etc.?	ent ownership is dedicated to	he well, have the in	iterest of all owners been or	onsolidated by communitization,
Yes	· ·	No If answer is "yes"	type of consolidatio	n	
		nd tract descriptions which ha	ve actually been cor	asolidated. (Use reverse sid	Se of
this form if nec No allowable w or until a non-st	ill be assigned to t	he well until all interests have nating such interest, has been	been consolidated approved by the Div	(by communitization, unitiz	ation, forced-pooling, or otherwise)
					OPERATOR CERTIFICATION
		;			I hereby certify that the information
	ا تات راهد براهد	* **			contained herein in true and complete to the best of my knowledge and belief.
	FIF		-		
N T			2		Signature La MA Atom L. O
I DU IAN	1 8 1991		<i>₩</i> 1		Printed Name
		<u> </u>			IDL Hampton
		V			Position C. D. A. L. C.
	IST. 3		!		Sr Staff Admin Sup
					Company
	1				Date 1700
	1	: :	6 —i	/620'	10-24-90
		25			SURVEYOR CERTIFICATION
	i	· ·	i		I hereby certify that the well location show
			1		on this plat was plotted from field notes of actual surveys made by me or under m
	l	1 1	ļ		supervison, and that the same is true an
			!		correct to the best of my knowledge and
	ļ		\ !		belief.
			ا ‡ ـــ ـــ ـــ ــ .		Date Surveyed Dottober 3, 1990
	i		į		Signature & Seal of Professional Surveyor D. VAVA
			ì		Signature & Seal of Professional Surveyor D. VAN
	. !		ļ		() () () () () () () () () ()
					Garva (Vann
	1				Certification C
			Annelis and production to the second	4.8544	7016 PARESSIONAL THE
n 330 ccn 900	1320 1650 1	1980 2310 2640	2000 1500	1000 500	/ 23101/4.

AMOCO PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

	THE COO PRODUCTION SCHOOL	_	Date:
Lease & Well #	San Dun 28-7 441	2 Cty/St_LaPlata	/Colo FLAC NO.
Field Ignaclo B	lanco Fruitland	Operation Center Dur	ango/San Juan
	Degas # 31	Area	
CRITICAL WELL_	NON-CRITICAL WELL_	APPROXIMATE DEPTHS OF	
ORIGINAL	REVISION #	ESTIMATED ELEVATION	6231 KB
	·	MARKER Ojo Alamo	TVD ELEV MEAS DEPTH +4110 2/21 +3555 26.76
SPECIAL SURVEYS		Fruitland # Pictured Cliffs	+ <u>3555</u> <u>2676</u> +3290 2441
TYPE FDC/GR/CAL Microlog	DEPTH INTERVAL (TD+1000')-TD (TD+1000')-TD		
sample rate throhole. Bulk Dens standard coal log track LIS tape	at slow speed high ough bottom 1000' of sity presentation as per og format. Customer edit e to R. G. Kemp in Denver	1	+3040 3141
- ASAP SPECIAL TESTS		DRILL CUTTING SAMPLES	BABLE COMPLETION INTERVAL DRILLING TIME
STECIME TESTS		FREQUENCY DEPTH	DEPTH
None		INTERVAL	FREQUENCY INTERVAL
REMARKS		None REMARKS Correct for actu The actual total depth wi the last coal.	'Geolograph BSC-TD al elevation if necessary. 11 be 200' below the
		1	
MUD PROGRAM Approximate Interval	Weight Type Mud #/Gal.	Viscosity Sec. API W.I. CC/30M	Other Specifications
0-250' 250-TD	spud LSND 8.6-11.0	Sufficient to clean	
Remarks:		,	
CASING PROGRAM	(Normally, tubular goods used. Hole sizes will EST. CASING	s allocation letter specifi be governed by Contract) SX TYPE	es casing sizes to be
CASING STRING CONDUCTOR	DEPTH SIZE HOLE S		DESCRIP. OF LANDING PT
SURFACE	250' 8 5/8" 12 1/4	to sfc. **	
INTERMEDIATE			•
OIL STRING	TD 5 1/2" 7 7/8	B" to sfc. **	
LINER CASING			
Remarks: ** C	Operation Center Drilling	Engineer to design.	
WELLHEAD: 2,00	00 psi threaded equipment		
COMPLETION PROG	GRAM: Southern Division (Coal Degas Group to design	
GENERAL REMARKS	6: This well to be mainta	ained in confidential state	us.
Prepared by: F	R. G. Kemp, T. R. Enterli	ne, R. A. Ross, G. E. Gray	-
Approvals: PRODU	UCTION DEPARTMENT D	ATE EXPLORATION DEPARTM	ENT DATE
C:CODEGAS3.SHL			



SAN JUAN 28-7 UNIT # 412
2310' F/NL 1620' F/EL
SEC. 25, T28N, R7W, NMPM
RAIL POINT: 173 mi-Montrose, Co.
MUD POINT: 41 mi-Aztec, MM
CEMENT POINT: 45 mi-Farmington, MM