# State of New Mexico

District Office State Lease — 6 copies  FR LAX - 5 COPIES	Energy,	Minerals and Natural Re	·	Form C-101 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM DISTRICT II P.O. Drawer DD, Artesia, NA DISTRICT III 1000 Rio Brazos Rd., Aztec, I	S 4 88210	API NO. (assigned by OCD on New Wells)  1045-28268  5. Indicate Type of Lease  STATE FEE   6. State Oil & Gas Lease No.		
APPLICATION	ON FOR PERMIT	O DRILL, DEEPEN, O	OR PLUG BACK	
1a. Type of Work:				7. Lease Name or Unit Agreement Name
b. Type of Well;	RE-ENTER	archilata Las Com		
MEIT MEIT	onex coal s	Single Seam Zone	X ZONE	"B'
2. Name of Operator Amoco Product	tion Company	· Amma T		8. Well No.
3. Address of Operator	cron company	Y ATTN:J.	L.Hampton	9. Pool name or Wildcat
P. O. Box 80	O Denver,	Co. 80201		Basin Fruitland Coal Gas
4. Well Location Unit Letter	: <u>890</u> Feet F	rom The South	Line and 92(	
Section	Towns	hip 30 Rai 10. Proposed Depth 264	111. F	ONMPM San Juan County Ormation 12. Rotary or C.T. uitland Coal Rotary
13. Elevations (Show whether DF, RT, GR, etc.)  14. Kind & Status Plug. Bond  15. Drilling Contractor  State-wide unknown				16 Approx. Date Work will start As soon as permitted
17.	PR	OPOSED CASING AN		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT EST. TOP
12 1/4"	8 5/8"	24#	250'	250 cf (cement to surface)
7 7/8"	5 1/2"	17#	2640 (TD)	739 cf (cement to surface)
see attai W2 o NW/4	ched pla f Sec.19 of Sec.30	t showing	g spacir	SEP1 9 1990 OIL CON. DIV.1 DIST. 3

(This space for State Use)  DEPUTY OIL & GAS INSPECTOR, DIST. #3	9-24-90
TYTEORIFRINI NAME J.L. Hampton	(30B) / TELEPHONE NO. 830-5119
I hereby certify that the information above is true and complete to the best of my knowledge and belief.  SIGNATURE  THUE Sr. Staff Admin. Supv.	9/11/96
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE 20 20NE. GIVE BLOWOUT PREVENTER PROOFAM, IF ANY.	ONE AND PROPOSED NEW PRODUCTIVE

CONDITIONS OF AITHOVAL, IF ANY:

APPROVAL EXPIRES 3-24-91 UNLESS DRILLING IS COMMENCED. SPUD NOTICE MUST BE SUBMITTED WITHIN 10 DAYS.

#### OIL CONSERVATION DIVISION

## STATE OF NEW MEXICO

P. O. BOX 2088 ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the outer by

	An distances must	the from the outer boundaries of the Se	etten.	
Amoco fraduction	Company	Archaletta Gas	Com B'	Well Ho. #1
Unit Letter Section	30 N	1 8 West Cour	SanJuan	
Actual Factor of Wells  890 feet from the	South line	and 920' teet from	the West	
5718' Fruit		Basin Fruitland	Des	dicated Acipagni 342.54
1. Outline the acreage dedi	cuted to the subject	well by colored pencil or hac		WH Sec.30 Actor
2. If more than one lease interest and royalty).	is dedicated to the v	well, outline each and identify	the ownership there	cof (both as to working
3. If more than one lease of dated by communitization,	different ownership unitization, force-po	is dedicated to the well, have oling.etc?	the interests of all	l owners been consoli-
Yes No II	answer is "yes;" typ	e of consolidation CA	VA11/11 8932	.7
If answer is "no," list the this form if necessary.)  No allowable will be assigned.	e owners and tract de	all interests have been consolard unit, climinating such inte	y been consolidated	. (Use reverse side of
			CE	ERTIFICATION
·			best of my kno  SLHan  Nune  T.L. Ha	y that the Information con- is tive and complete to the whedge and belief.  MATOM LUB  LMPTON
WP00	—120°—	202 800 800	SR Staff Semporer Smocofr Date 9/14/90	Admin Supv. Foduction Co.
	.940:	SEP1 9 1990 OIL CON. DIV.	shown on this p notes of actual under my super	fy that the well-location old was platted from field lawreys made by me or vision, and that the same orrect to the best of my belief.
		30	Date Surveyed  See at  Iteratored Profes  and/or Land Surve	stonel Engineer Sec. 19
1			Certificate No.	



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

## 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

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT I P.O. Bux 1980, Hobbs, NM 88240

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410

### WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

			Lease				Well No.
perator	DODNICTIO	N COMPANY	į	ETA GAS (	COM /I	8/	# 1
	PRODUCTION Section	Township	Range	,*		County	
nit Letter	19	30 NORTH	8 WE	EST	NMPM	SA	NAUL NE
N Hal Footage Loc		30 1451711				<del></del>	
		SOUTH line a	n.d	920	feet from	the WE	EST line
890		Formation .	Pool				Dedicated Acreage:
ound level Elev.	1 — 11		Resil 1	Faitlas	Cocl	Gas	W/3 342.54
5718	roitu	nd Coal	Dain	o on the plut below	<u>,                                    </u>	<u> </u>	<u>                                     </u>
1. Outlin	e the acreage dedicated	to the subject well by colored	pencil or nathure mark	a on the bias octo	•		
0.16	lanca ic dad	icated to the well, outline each	and identify the owners	ship thereof (both	s to workir	ng interest and	royalty).
3. If mor	re than one lease of diff	erent ownership is dedicated t	o the well, have the inte	rest of all owners	been consol	idated by com	muniuzation,
unitiza	ation, force-pooling, etc	?					
	Yes	No If answer is "yes and tract descriptions which	" type of consolidation have actually been const	olidated. (Use rev	erse side of		
No allow	vable will be assigned t	o the well until all interests ha	ve been consolidated (by	y communitization	, unitization	, forced-poolis	ng, or otherwise)
or until t	a non-standard unit, elis	minating such interest, has bee	n approved by the Divis	ion_			
							FOR CERTIFICATION
1			1	\		I hereby	certify that the information
A i			1	\	¢	onsained here	in in true and complete to the
			1	\	6	est of my brow	vledge and belief.
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The state of the s	1		1 dist a 120	<b>.</b>	/  c	Company	0.1
	1		DIL CON.	DIV 1	\ L	HMO	co rice
1	1		JIL WOIN.	<b>DIV.</b> )	/  r	Date / _	1000
			DIST. 3		\ <u> </u>	6	3-90
		10	1		\	SURVE	YOR CERTIFICATION
	+	19	<del> i</del>		<del>}</del>		
	1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		1 1.	I hereby cert	ify that the well location show
N .	1		1		1	on this plat	was planed from field notes
18	1		1		11	actual surve)	is made by me or under individual that the same is true a
18	1		1		11	supervison, a	he best of my knowledge a
18	1		1		1 (	belief.	2 Jan 9 my mm m 2
11	i		1		11	penej.	
18	1		1		1	Date Surveyo	ā -il 25, 1990
₩		4					
1	1	1	,		1	Signature &	Seal of D. Va
1	1		1		11	LION CONTROL I	MENNY D. VANN
<b>H</b> •	920' <del> </del>		1		11		WE WE
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						7016	PORESSIONAL HAD
				222			MAGISSIONAL
330 660	990 1320 1650	1980 2310 2640	2000 1500	1000 500	0		

<i>r</i>		_	DETERING VOD CO	OUTLITTON PR	OGRAM Date:	9/17/90
Lease & Well #Field Basin Fr	trchuletta	(9a5Com 1		y/St <u>San Jua</u>	n/NM FLAC	: NO.
Surf. Loc. Sec.	9, T30N, R8	W,890 FSL,96	Operation Offwillicon sai	meSan	Juan/Durange	)
Coal	Degas #		Λrea			
CRITICAL WELL	NON-CRITIC	AL WELLX	!		GEOFOGICYT W	ARKERS
ORIGINAL	REVISION #_		ESTIMATED	elevation <u>5</u>	<u> 730 кв</u>	
Changed from	sm topse	TO TO	MARKER Olo Alamo		TVD ELEV. + 4390	MEAS. DEPTH
SPECIAL SURVEYS	001	M-mva.	Fruitland Pictured C	**	+3535 +3291	1340 2195 2139
TYPE FDC/GR/CAL Microlog	(TD+	H INTERVAL 1000')-TD 1000')-TD			. 2511	27.2-1
REMARKS Run FDC sample rate thr hole. Bulk Den standard coal 1 9 track LIS tap	ough bottom I sity presenta og format. C	000' of tion as per Justomer edit	TOTAL	. DEPTH	+3090	<u>264</u> 0
Denver - ASAP SPECIAL TESTS			*POSSIBLE PA		BABLE COMPLET	TON INTERVAL
None			DRILL CUTTING FREQUENCY	DEPTH INTERVAL	DRILLING T	DEPTH
REMARKS		1	None REMARKS Corre The actual tot the last coal.	ect for actu al depth wi	Geolograph al elevation	n BSC-TD if necessary
	<del></del>		the last coal.			
MUD PROGRAM Approximate		11-1-1-			0.1	
Interval	Type Mud	Weight #/Gal.	Viscosity Sec. API	W.I. CC/30M	Other Specifica	at tone
0-250' 250-TD	spud LSND				Operation	ic rons
				it to clean in hole cond	itions for lo	ogs.
Remarks:						
CASING PROGRAM	used. Hold	e sizes will	s allocation let be governed by	Contract)	es casing siz	zes to be
CASING STRING CONDUCTOR	EST. CAS DEPTH S12	SE HOLE S	SX SIZE CEMENT	TYPE CEMENT	DESCRIF. OF	E LANDING PT
SURFACE	250' 8 5	5/8" 12 1/4	to sfc.	хх		
INTERMEDIATE						
OIL STRING	TD 5	1/2" 7 7/8	B" to slc.	ńń		
LINER CASING						
Remarks: *** (	Operation Cen	Ler Drilling	Engineer to des	sign.		<del></del>
WELLIEAD: 2,00	00 psi thread	ed equipment				
COMPLETION PROC	GRAM: Southe	rn Division (	Coal Degas Group	p to design	<del></del>	
GENERAL REMARKS	6: This well	to be mainta	ained in confid	ential statu	ls.	
Prepared by: W.	. L. Pelzmann	, T. R. Ente	rline, J. L. Sp	itler, G. E.	Gray	
Approvals:	JCTION DEPART	MENT D	ATE EXPLORAT	ION DEPARTME	TIM	DATE

C:CODEGAS2.SHL

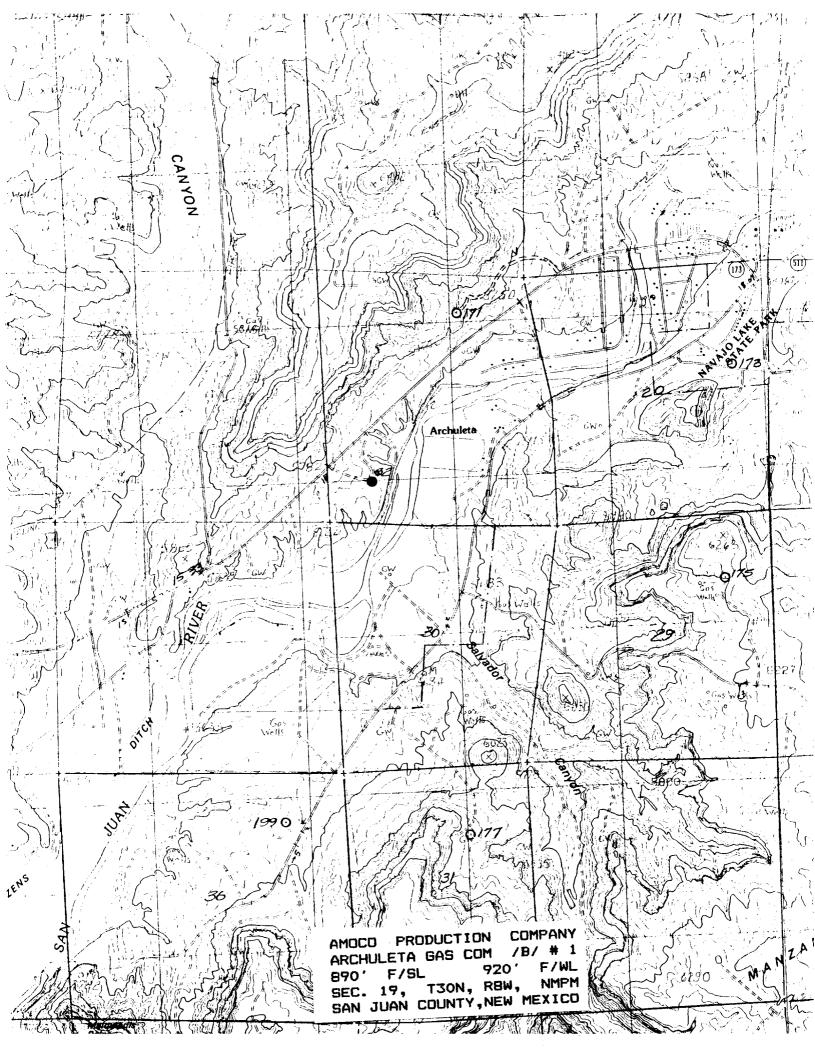
Amoco proposes to drill the well to further develop the Fruitland Coal reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to the total depth with a non-dispersed mud system. The attached modified 12" 3000 psi blowout preventer will be used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

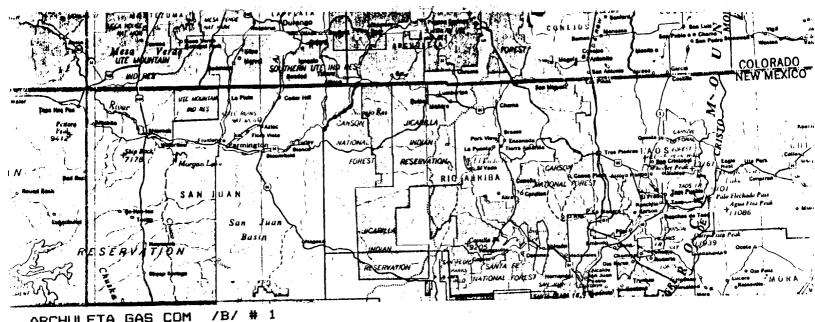
Quantity	_Size	Weight	Description	Cementing Program
SURFACE CA 250' 8	SING -5/8"	24#	K55 ST&C	250 cf Class B, 2% CaCl <sub>2</sub> 15.6 ppg
INTERMEDIA 2640 5.		ING 17#	K55 ST&C	739 cf Class B, 65:35:6 10% salt, .25% dispersant 13.1 ppg 118 cf Class B, 2% CaCl <sub>2</sub> 15.6 ppg

The above casing design is based upon a  $11.0 \parallel / \text{gal}$  mud weight.

#### EVALUATION

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





ARCHULETA GAS COM /B/ # 1
B90' F/SL 920' F/WL
SEC. 19, T30N, RBW, NMPM
RAIL POINT: 159 miles - Montrose, Co.
MUD POINT: 16 miles - Aztec, NM
CEMENT POINT: 30 miles - Farmington, NM

