#### LAW OFFICES

### TANSEY, ROSEBROUGH, GERDING & STROTHER, R. C.

621 WEST ARRINGTON

RET SED

FARMINGTON, NEW MEXICO 87401

TELEPHONE: (505) 325-1801

192 00 5 PM 9 49 TELECOPIER:

October 2, 1992

Mailing Address: P. O. Box 1020 Farmington, N.M. 87499

Douglas A. Echols
Richard L. Gerding
Connie R. Martin
Michael T. O'Loughlin
James B. Payne
Tommy Roberts
Haskell D. Rosebrough
Robin D. Strother
Karen L. Townsend

OF COUNSEL

Charles M. Tansey

State of New Mexico
Energy, Minerals and Natural
Resources Department
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501-2088

10586

Attn: William J. Lemay, Director

Re: Applications for Compulsory Pooling SG Interests I, Ltd.

San Juan County, New Mexico

#### Gentlemen:

Enclosed please find Applications for Compulsory Pooling filed on behalf of SG Interests I, Ltd. for the following lands, all located in San Juan County, New Mexico:

- 1) N/2 of Section 2, Township 29 North, Range 9 West
- 2) S/2 of Section 2, Township 29 North, Range 9 West
- 3) S/2 of S/2 of Section 19 and N/2 of Section 30, Township 29 North, Range 9 West
- 4) E/2 of Section 15, Township 29 North, Range 10 West
- 5) N/2 of Section 21, Township 29 North, Range 10 West
- 6) S/2 of Section 22, Township 29 North, Range 10 West
- 7) E/2 of Section 27, Township 29 North, Range 10 West
- 8) E/2 of Section 31, Township 29 North, Range 10 West
- 9) W/2 of Section 26, Township 29 North, Range 11 West
- 10) E/2 of Section 30, Township 30 North, Range 8 West

State of New Mexico Oil Conservation Division Page 2 October 2, 1992

- 11) S/2 of Section 17, Township 30 North, Range 9 West
- 12) E/2 of Section 18, Township 30 North, Range 9 West
- 13) S/2 of Section 25, Township 30 North, Range 9 West
- 14) N/2 of Section 25, Township 30 North, Range 9 West

Please place these applications on the October 29th, 1992 docket of the New Mexico Oil Conservation Division. Please advise should you require any additional information.

Sincerely,

Tommy Roberts,

Attorney for

SG Interests I, Ltd.

Johnny Roberts

TR:tlm

cc: Supervisor, District III Office
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

cc: James B. Fullerton,
Consulting Landman on behalf
of SG Interests I, Ltd.
1645 Court Place, Suite 406
Denver, Colorado 80202

LAW OFFICES

TANSEY, ROSEBROUGH, GERDING & STROTHER, P.C.

621 WEST ARRINGTON

CONSERTE ON DIVISION RELETED

Case 10586

**FARMINGTON, NEW MEXICO 87401** 

TELEPHONE: (505) 325-1801

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TELECOPIER: (505) 325-4675

October 2, 1992

Mailing Address: P. O. Box 1020 Farmington, N.M. 87499

Douglas A. Echols Richard L. Gerding Connie R. Martin Michael T. O'Loughlin James B. Payne Tommy Roberts Haskell D. Rosebrough Robin D. Strother Karen L. Townsend

OF COUNSEL

Charles M. Tansey

State of New Mexico
Energy, Minerals and Natural
Resources Department
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501-2088

Attn: William J. Lemay, Director

Re: Application for Compulsory Pooling

SG Interests I, Ltd.

E/2 of Section 30, Township 30 North, Range 8 West

San Juan County, New Mexico

#### Gentlemen:

Please consider this letter the formal application of SG Interests I, Ltd. for an order of the New Mexico Oil Conservation Division force-pooling all mineral interests in the Basin-Fruitland Coal Gas Pool underlying the E/2 of Section 30, Township 30 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, forming an approved non-standard 290.69 acre coal gas spacing and proration unit for said pool, to be dedicated to its Florance Gas Com G #1 Well to be drilled at a standard coal gas well location 1,190 feet from the north line and 1,490 feet from the east line of said Section 30. SG Interests I, Ltd. requests that such order designate SG Interests I, Ltd. as the operator of the proposed well, and that it provide for the recovery by the joining working interest owners of the cost of drilling, completing, equipping and operating the proposed well, together with a reasonable charge for risk involved in In addition, SG Interests I, Ltd. drilling the well. requests that the order establish a reasonable charge for the supervision of the well during the drilling and production stages.

SECTION

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TOWNSHIP 301611

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State of New Mexico Oil Conservation Division Page 2 October 2, 1992

Please place this application on the October 29th, 1992 docket of the New Mexico Oil Conservation Division. Please advise should you require any additional information.

Sincerely,

Tommy Roberts,
Attorney for

SG Interests I, Ltd.

TR:tlm

cc: Supervisor, District III Office
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

cc: James B. Fullerton,
Consulting Landman on behalf
of SG Interests I, Ltd.
1645 Court Place, Suite 406
Denver, Colorado 80202

1	
Submit 3 Copies to Appropriate District Office  State of New Me Energy, Minerals and Natural Re	and the second of the second o
DISTRICT I P.O. Box 1980, Hobbs, XIM, 88240 S. P.O. Box 208 P.O. Box 208	Q /
DISTRICT II  P.O. Drawer DD. Artesia. NM 88210  RE Santa Fe, New Mexico	87504-2088 30-045-27890
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DISTRICT III '92 AU 77 AU 51 1000 Rio Brazos Rd., Aziec, NM 87410	6. State Oil & Gas Lease No.
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1. Type of Well: OIL GAS WELL X OTHER	Florance Gas Com "G"
2. Name of Operator	S. Well No.
SG Interests I. Ltd. Attn: A. M. O'	Hare #1
3. Address of Operator	9. Pool name or Wildcat
PO Box 421, Blanco NM 87412	Basin Fruitland Coal Gas
Unit Letter B: 1190 Feet From The North  Section 30 Township 30N Ran	ige 8W NWPM San Juan County
10. Elevation (Show whether L	F. RKB. KT. GR. etc.)
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SG Interests I, Ltd.	UU
Attn: A. M. O'Hare	AUG 0 6 1992 1-
PO Box 421 Blanco NM 87412	OIL CON. DIV
Diano di 0/112	
	DIST. 3

If there are any questions please contact A. M. O'Hare at 505-325-5599.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE TITLE	DATE
TYPEORPRINTNAME A. M. O'Hare	TELLIPHONE NOS 05 - 325 - 55
2	<del></del>

THE DEPUTY OIL & GAS INSPECTOR, DIST. #2 DATE AUG V & 1992

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies to Appropriate District Office  State of New Me Energy, Minerals and Natural Re	exico Form C-103 esources Department Revised 1-1-89
DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240  OIL CONSERVATIO P.O. Box 208	ON DIVISION WELL APLNO
DISTRICT II P.O. Drawer DD, Artesia, NM 88210 Santa Fe, New Mexico	87504-2088 5. Indicate Type of Lease
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410	STATE FEE X
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2 Name of Operator	8. Well No.
Amoco Production Company Attn: J.L. Hamp  3. Address of Operator	9. Pool pame or Wildcat
P.O. Box 800 Denver, Colorado 80201	Basin Fruitland Coal Gas
4. Well Location	2302-1202010-000
Unit Letter B: 1190 Feet From The North	Line and 1490 Feet From The East Line
Section 30 Township 30N Ra 10. Elevation (Show whether 5694' GR 11. Check Appropriate Box to Indicate I NOTICE OF INTENTION TO:	
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12. Describe Proposed or Completed Operations (Clearly state all pertinent details, as work) SEE RULE 1103.	<u> </u>
Amoco requests an extension on the subject	well's APD which will expire on June 18, 1992.
APPROVAL EXPIRES 15-18-4= UNLESS DRILLING IS COMMENCED. SPUD NOTICE MUST BE SUBMITTED WITHIN 10 DAYS.	100
Please contact Ed Hadlock @ (303) 830-4982	if you have any questions.
I hereby certify that the information above is true and complete to the best of my knowledge and	
al Harrista //a/	Sr. Staff Admin. Supr. (22/92

Please contact Ed Hadlock @ (303) 830-4982 if you have any questions.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Sr. Staff Admin. Supr.

TITLE Sr. Staff Admin. Supr.

THE PRINT NAME J.L. Hampton

TELEPHONE NO.

ONDITIONS OF APPROVAL, IF ANY:

DATE

SUPERVISOR DISTRICT # 3

DATE

DATE

L N DIVISION	ł
Submit 3 Copies  to Appropriate  State of New Mexico Energy, Minerals and Natural Resources Department	Form C-103 Revised 1-1-89
District Office	
DISTRICTI 92 JIM 10 OIL CONSERVATION DIVISION P.O. Box 1980, Hobbis, NM 88240 P.O. Box 2088	WELL API NO.
DISTRICT II Santa Fe. New Mexico 87504-2088	30-045-27890
P.O. Drawer DD, Artesia, NM 88210	5. Indicate Type of Lease  STATE FEE XX
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2 Name of Operator Amoco Production Company Att: J.L. Hampton	8. Well No. #1
3. Address of Operator P.O. Box 800 Denver, Colorado 80201	9. Pool name or Wildcat Basin Fruitland Coal Gas
4. Well Location	
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Section 30 Township 30N Range 8W	NMPM San Juan County
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Please contact Cindy Burton (303) 830-5119 if you have any	questions.
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	1/2/02
SKONATURE ST. Staff	Admin. Supr. DATE //2/92
TYPE OR PRINT NAME John L. Hampton	ТЕШЕРНОМЕ НО. (303)830-
(This space for State Use)	
SUPERVISOR	DISTRICT #3 JAN 06 199

CONDITIONS OF APPROVAL, IF ANY:

Energy, Minerals and Manural Resources Department Revised 1-1-17 to Appropriate N DIVISION EM BIT COMPERATION DIVISION WELL API 1/0. P.O. Box 2088 30-045-27890 Santa Fe, New Mexico 18759 1208 DISTRICTLI S. Indicate Type of Lease P.O. Drawer DD, Anesia, NM 18210 10 16, cm LEE K a1 1199 ! DISTRICTIN 6 State Oil & Gas Lease Ha 1000 Rio Birrios Rd., Arred 1814 10 SUNDAY NOTICES AND REPORTS ON WELLS ( DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE 'APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS.) Florance Gas Com "G" Type of Well: WELL K WILL | 2. Name of Operator 1 Well No. Amoco Production Company Attn: John Hampton #1 3. Address of Operator 9. Pool name or Wildcat P.O. Box 800, Denver, Colorado 80201 Basin Fruitland Coal Gas 4. Well Location Unit Letter B: 1190 Feet From The North \_ Line and \_\_1490 \_ Feet From The \_\_\_East hip 30N Range 8W 10. Elevation (Show whether OF, RKB, RF, CR, etc.) 30N 8W San Juan Township MTMM County 5694" GR Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data 11. NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING TEMPORARILY ABANDON CHANGE PLANS PLUG AND ABANDONMENT COMMENCE DRILLING OPNS. PULL OR ALTER CASING CASING TEST AND CEMENT JOB OTHER: APD Extension OTHER:\_ 12 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give perturent dates, including estimated date of stating any proposed work) SEE RULE 1103. Amoco requests an extension on the subject wells approved APD which expire on 6/18/91. APPROVAL EXPIRES\_ JUN2 4 1991 UNLESS DRILLING IS COMMENCED SPUD NOTICE MUST BE SUBMITTED OIL CON. DIV. WITHIN 10 DAYS Please contact Cindy Burton (303)830-5119 if you have any questions. musr. Staff Admin. Supr. DAIR C SVONATURE . тылына но. 3 () 3 – 8 3 () – 5 () John Hampton TYPE OR PROPERTION (This space for State Use) DEPUTY OIL & GAS INSPECTOR, DIST. #3

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# State of Hew Hexico ...

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I horsely carefully that the information above in this and complete to the best of my knowledge and belief.  SIGNATURE TITLE Sr. Staff Admin. Supr. DATE 1449  INTERIOR PRINT HAVE John Hampton  THE ENTITIONE NO. 303-830-		APPROVAL EXPI UNLESS DRILLIN SPUD NOTICE N	RES 6-18- G IS COMMENCED. AUST BE SUBMITTED	JAN 07 1891 OIL CON. DIV.
(This spece for State Use)	I horsey carely that the information above to	to the and complete to the best of my knowledge and	1 belief.	Admin. Supr. DATE 1/4/91
1411 0 7 40				TABITATE TV.
SUPERVISOR DISTRICT #3 14 N 0 7 19	(This space for State Use)			
ATROVED BY DATE OF THE PROPERTY OF THE PROPERT	· - )	-6	SUPERVISOR	DISTRICT #3 JAN 0 7 199

Submit I Copera State of Hew I-lexico .  to Appropriate Spaining Phine, als and Haimal Resources Department	Form (1-101 Revised 1-1-49
DISTRICT RECOVER OIL CONSERVATION DIVISION  DISTRICT P.O. Box 1980, Hobbs, NM \$8240  DISTRICT P.O. Box 2088  DISTRICT P.O. Drawer DD, AUG 15  P.O. Drawer DD, Aug 115  P.O. Box 2088	WELL API NO.  5. Indicate Type of Lease  STATE  FEE X
DISTRICTUII 1000 Rio Brazos Rd., Astec, NM 87410	6 State Oil & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS  (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  DIFFERENT RESERVOR. USE "APPLICATION FOR PERMIT"  (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name
1. Type of Well:  on.  well.   on onex  Thank of Operator	Florance Gas Com "G"
Amoco Production Company Attn: John Hampton  J. Address of Operator P.O. Box 800, Denver, Colorado 80201	#1 9. Pool same or Wildean Basin Fruitland Coal Gas
Unit Letter B: 1190 Feet From The North Line and 14	90 Feet From The East Lin
Section 30 Township 30N Range 8W  10. Elevation (Show whether DF, RKB, RT, GR, etc.)  5694 GR  11. Check Appropriate Box to Indicate Nature of Notice,	•
	BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK  TEMPORARILY ABANDON CHANGE PLANS COMMENCE DOWN	ALTERING CASING
DINI OR WEST COMMENCE BYALL	<del>(                                    </del>
OASING TEST AND	CEMEUL XOR []
OTHER: Change in drilling program X OTHER:  12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, in work) SEE RULE 1103.	cluding estimated date of stations any proposed
Please see the attached revision to the drilling the subject well from a top-set to a drill-thru icliffs.	program changing nto the picture
	AUG 2 1990
	OIL CON. DIV.
Please contact Cindy Burton (303)830-5119 if you	have any questions
Thereby centry that the information above is true and complete to the book of my knowledge and belief.  SIGNATURE J. Hompton jan mile St. Staff	Admin. Supr. DAIR
TYPEORPROGRAME John Hampton	теция кистема 3 0 3 – 8 3
(This space for State Use)	AUG 1 0 19
ATTROVED BY	DINITE TO THE STATE OF THE STAT

#### AMOCO PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

1 5 Wall #F	Porance cas com G	- )	ty/St_San_Jua	Date:	C NO
Lease α well m <u>'</u> Field Basin Fro	itland Coal Gas	Operatio	n Center San	Juan	
	VL, 1490' FEL Sec 30, T				
	Degas # 1716				
CRITICAL WELL	NON-CRITICAL WELL	APPROXIMA	TE DEPTHS OF	GEOLOGICAL M	ARKERS
	REVISION #		ELEVATION	5706° KB	-
OKIGINAL	REVISION W	ESTIME	ELEVATION		
SPECIAL SURVEYS	DEPTH INTERVAL	MARKER Ojo Alamo Fruitland Pictured	<b>i</b> #	TVD_ELEV. + <u>43</u> 46' + <u>36</u> 47' + <u>330</u> 6'	MEAS. DEPTH 1360' 2059' 2400'
FDC/GR/CAL ficrolog	(TD+1000')-TD (TD+1000')-TD				
sample rate thro hole. Bulk Den standard coal l	at slow speed high ough bottom 1000' of sity presentation as pe og format. Customer ed e to W.L. Pelzmann in	it	AL DEPTH	+ <u>350</u> le <sup>1</sup>	3600,
SPECIAL TESTS			NG SAMPLES	DRILLING T	
None		FREQUENCY		į	DEPTH
REMARKS			rect for actu otal depth wi		if necessar
MUD PROGRAM Approximate Interval 0-250' 250-TD  Remarks:	Weight Type Mud #/Gal. spud LSND 8.6-11.0	Sec. API  Sufficion	W.I. CC/30M ent to clean ain hole cond		
CASING PROGRAM CASING STRING CONDUCTOR	used. Hole sizes will EST. CASING	ods allocation 1 11 be governed b SX 3 SIZE CEMENT	y Contract) TYPE		zes to be F LANDING PT
SURFACE	250' 8 5/8" 12	1/4" to sfc	. skak		
INTERMEDIATE					
OIL STRING	TD 5 1/2" 7	7/8" to sfc	**		
LINER CASING					
Remarks: ** (	peration Center Drilli	ng Engineer to d	esign.		
WELLHEAD: 2,00	O psi threaded equipme	nt			
COMPLETION PROC	RAM: Southern Divisio	n Coal Degas Gro	up to design		
GENERAL REMARKS	: This well to be mai	ntained in confi	dential statu	ıs.	
Prepared by: W.	L. Pelzmann, T. R. En	terline, J. L. S	pitler, G. E.	Gray	
				<del></del>	
Approvals: PRODU	ICTION DEPARTMENT	DATE EXPLORA	TION DEPARTM	ENT	DATE
C: CODEGAS2.SHL				•	=

Submit to Appropriate District Office State Lease - 6 copies	ATION DIVISIONS,	State of New Me Minerals and Natural Re	exico esources Department			Form C-10 Revised 1-1	
DISTRICT I F.E.C. P.O. Box 1980, Hobbs, NA DISTRICT JUN 28 P.O. Drawer DD, Artesia, 1	4 88240 a 01 -	P.O. Box 208 anta Fe, New Mexico	8	30	Type of Lease		FEE 🔀
DISTRICT III 1000 Rio Brazos Rd., Azte				6. State Oil	& Gas Lease		,
APPLICAT  1a. Type of Work:	TON FOR PERMIT T	O DRILL, DEEPEN, C	OR PLUG BACK	7. Lease Na	ame or Unit Ag	greement Name	
DRILI b. Type of Well: OIL GAS WELL WELL	L $oxdot{X}$ RE-ENTER	SINGLE	PLUG BACK MULTIPLE ZONE	Flor	<b>z</b> nce Ga	s Com "	G"
2. Name of Operator				8. Well No.	/	1 /200	
Amoco Produce  3. Address of Operator	ction Co. A	tten. J.L. Ha	mpton	9. Pool nam	#1 ( me or Wildcau	E/ 1/2	- //
P.O. Box 800	), Denver, C	0 80201		Basin	Fruitl	and Coa	l Gas
4. Well Location	: 1190 Feet Fr	nom The North	Line and 1.44				
Unit Letter B	: 1190 Feet Fr	om the NOT CIT	Line and 14	90 rea	From The	<u>East</u>	Line
Section 30	Towns	hip 30N Ra	ige 8W	NMPM S	an Juan	1	County
<i>\\\\\\\\\\</i>		10. Proposed Depth		Formation		12. Rotary or C.	
13. Elevations (Show whether	er DF, RT, GR, etc.)	4. Kind & Status Plug. Bond	15. Drilling Contracto	<u>ruitlan</u> d		Rotar  Date Work will st	
5694'_GR	1	7. 11114 to Desire 1 145. 2000	is. Dining course.	•	,	n as pe	
17.		OPOSED CASING AN	ID CEMENT PROG	RAM	**************************************		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		CEMENT	EST. T	OP
12¼"	9 5/8"	36#	250'		Cl.B	Surfac	
8 3/4"	7"	20#	2390'	669 cf		Surfac	
6 4 "	5뉳"	23#		Nor	ie		
ROYAL EXPIRES LESS DRILLING IS CO ID NOTICE MUST BE WHIN 10 DAYS.	MMENCED. SUBMITTED	LLING IS COMME 10 DAYS. LLING IS COMM LLICE MUST BE SUI 10 DAYS.	AITTED	<i>u</i>	(		
IN ABOVE SPACE DESC ZONE, GIVE BLOWOUT PREVE	ENTER PROGRAM, IF ANY.	AM: IF PROPOSAL IS TO DEEPE		<del>,</del> ,	<del></del>	1,-	PRODUCTIVE
SIGNATURE	Jarry 10101	""				EPHONE NO.	7
SIGNATURE	J.L. Hampton					/	

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

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

## **OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	<del></del>		Lease		Well No.
	PRODUCTIO	N COMPANY	FLORANCE GAS	COM /G/	# 1
Unit Letter B	Section 30	Township 30 NORTH	Range 8 WEST	County	SAN JUAN
Actual Footage Lo	) feet from the	NORTH line an	1490		EAST line
Ground level Elev.		Formation	Pool		Deducated Acreage 200.09
5694	Truitlan	e coa	Basin truitland	Coul Gas	F/2 Acres
I. Culli	ne the acreage dedicated	to the subject well by colored	pencil or hachure marks on the plat t	selow.	
2. If mo	re than one lease is dedic	cated to the well, outline each a	and identify the ownership thereof (b	oth as to working interest as	ad royalty).
3. If mo	re than one lease of diffe	rent ownership is dedicated to	the well, have the interest of all own	ers been consolidated by co	mmunitization,
unitiz:	ation, force-pooling, etc.		Acres of acception	•	
If answe	Yes r is "no" list the owners.		type of consolidation	reverse side of	
this form	n if neccessary				
		inating such interest, has been	been consolidated (by communitiza approved by the Division.	tion, unitization, forced-poo	ing, or otherwise)
1				OPER A	TOR CERTIFICATION
1	1	l		<b>`</b>	ry certify that the information
	i			here of my but	rein in true and complete to the moledge and belief.
	j		8	7	<u></u>
1.		22 7 12	71	Signature	Lan oto La
18	DECE	YEM		Printed Name	TO POSCILLO
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ļ. <b>•</b>	JUNI 81	990	1	Position	
	ŧ -	<b>TOTAL</b>	1	Sr St Company	att Udmin Sup
1	OIL CON.	DIA.	ì	Amo	co Pod
	DIST.	3	Ì	Date	14. 6.
	ļ		Į.	5-	15-90
	!	30	ļ	SURVE	YOR CERTIFICATION
			[		ify that the well location shown was plotted from field notes of
1			i	<b>I</b>	ys made by me or under my
I	i		i		ind that the same is true and he best of my knowledge and
1	Ì		ĺ	belief.	
	ļ.	9	ļ ļ	Date Surveye	ay 9, 1990
+					
	i		1	Signature & S Professional	drubor D. Va
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					Precional In
0 330 660	990 1320 1650 1	980 2310 <b>2640</b> 20	000 1500 1000 500	• • •	-32.INU.

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 intermediate casing point wit a non-dispersed mud system. The attached modified 12" 3000 psi blowout preventer will be used. Amoco will attempt to complete the Fruitland coal by drilling the interval with water and air. A service unit will probably be used to drill into the coals using the attached modified 6" 3000 psi BOP. If commercial productivity is established, then the well will be completed as an open hole.

#### SURFACE CASING

Quantity	Size	Weight	Description	Cement Program
250'	9 5/8"	36#	K55 ST&C	200 cf Class B, 2% CaCL <sub>2</sub> 15.6 ppg

#### INTERMEDIATE CASING

Quantity	Size	Weight	Description	Cement Program
2390'	7"	20#	K55 ST&C	669 cf Class B, 65:35:5 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 9.0 #/gallon mud weight.

#### CONTINGENCY OPERATIONAL PLAN

In the event the well does not yield commercial volumes of gas from the open hole completion, the water filled hole will be mudded-up and weighted-up as necessary (9-11#/gal.) for hole stability and well control. The well will then be deepened approximately 200' into the Pictured Cliffs formation to provide necessary footage for a cased and cemented completion technique. The Fruitland coals will then be perforated and fracture stimulated. The Pictured Cliffs formation will be isolated with cement.

#### CONTINGENCY LINER

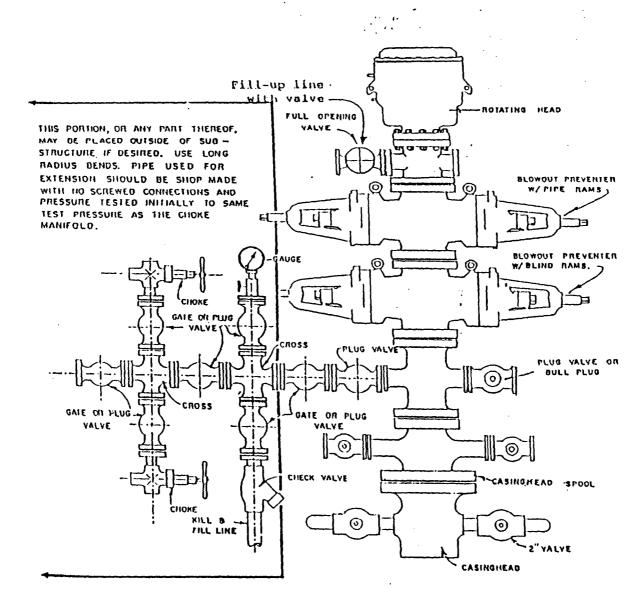
650' 4-1/2" 11.6# K55 LT&C 250 cf Class B

The contingency string is based upon an 11.0#/gallon mud weight.

#### EVALUATION

Mud logs will be the only logs run if the well is completed as an open hole. The log surveys (FDC/GR/CAL, Microlog, Mudlogger) will be run only if the well is drilled into the Pictured Cliffs formation, and only if well condition is suitable to allow proper wireline log interpretation.

apdatt.clb disk 210



BLOWOUT PREVENTER HOOKUP

7 1/18" - 3000 Check Valve		7 1/1 <b>6"</b> – 3000	7 1/16" - 3000	NOTE: 2 — 4" outlets on mud cross secondary bioole line will not be equipped with Reagan Proventer.
2" 3000 Union  2" 3000 Tee  2 1/16" 3000 F Gate  2 1/16" 3000 F Gate  T22 Trim		2 - 3000 F		nud erozs will not gan Preventer.
2 1/16" 3000 F Oate T22 Trim 2 1/16" 3000 F Gate X0 Flange as needed  X0 Flange as needed  0 - 3000 Gauge O - 5000 Gauge	at too)	16" — 3000 Gate volve aulia Motor Controlled  1/18" — 3000  XO 0 — 1500# Gauge 3" — 3000 Regan Preventer  XO		Eq An 8 Station, 250 gal., 3000 pai accumulator will be required. Air and electric power.
Sample Cat	5	• •	LWS double Striphead	Egot Ht Toghd LWS double Spool
et Toe	Spool with 2 — 4" outlets built at 70° offset with 2" equalizer line.	TAS 6 1200	27 5/8"  113 1/8"  Stripping Head  Adopt Grant Rubber	20 7/8" 27 3/8" 17"

# SAN JAN BASIN FRUITLAND COAL DEGASIFICATION (TOPSET WELLS) PRESSURE CONTROL EQUIPMENT

#### Background

The objective Fruitland Coal formation maximum surface pressure is anticipated to be 1400 PSI, based on completion testing. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rigs to be utilized have substructure height limitations which exclude use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below surface to intermediate casing point above the Fruitland Coal.

Prior to drilling below intermediate casing, a modified two (2) double ram pressure control equipment system will be installed. This systems is designed for Fruitland Coal formation interval drilling with air and water. A service unit will typically be used to drill this interval, and the wellbore will be completed as an uncased open hole if commercial productivity is established. If not, the wellbore will be cased and cemented with a 4 1/2" contingency liner. Based upon maximum surface pressure criteria, 2000 PSI equipment is required. However, as stated above, 3000 PSI working pressure equipment will typically be utilized.

#### Equipment Specification

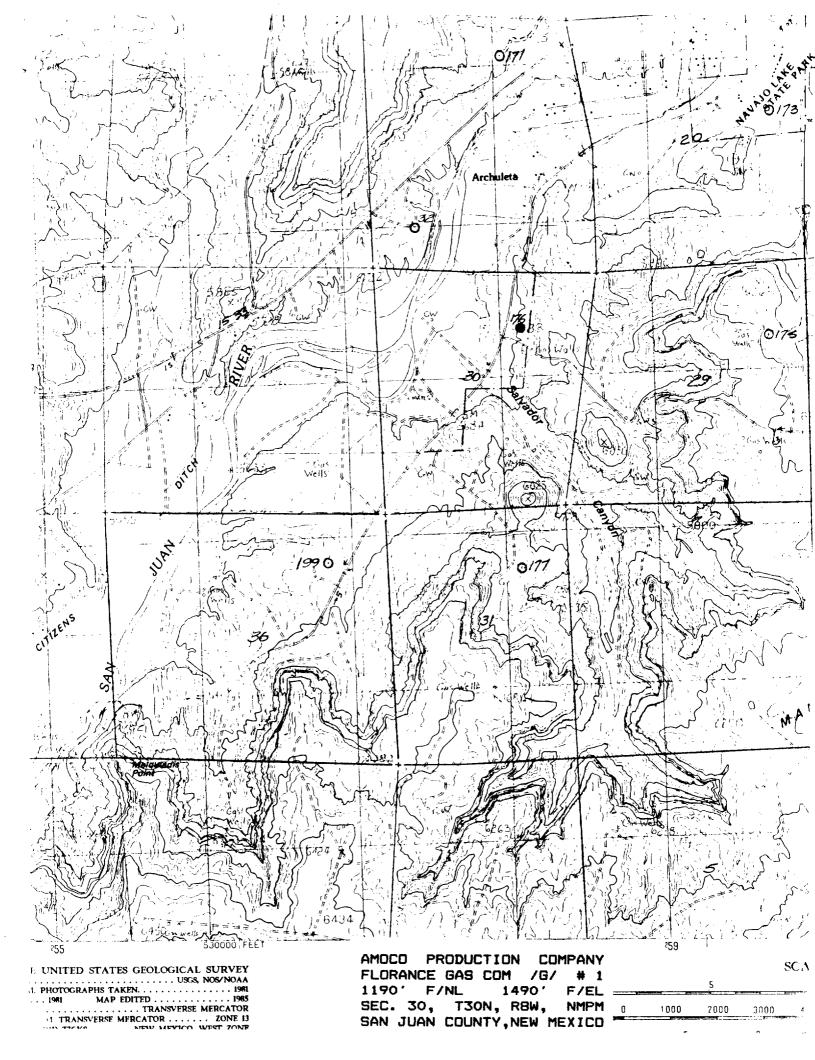
Interval
Below Surface Casing
through
Intermediate Casing

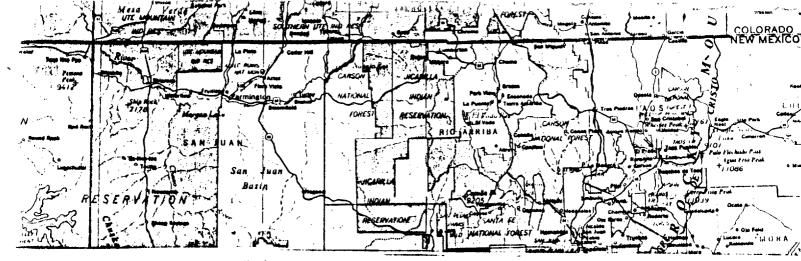
Intermediate Casing to Total Depth BOP Equipment
12" nominal, 3000 PSI double ram
preventer with rotating head (see
Exhibit No. 1 - BOPE)

6" nominal, 3000 PSI Two (2) double ram preventers (see Exhibit No. 2 - BOPE)

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 2000 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include kelly cock, floor safety valves and choke manifold which will also be tested to equivalent pressure.

Please direct any questions to George Gray at (303) 830-5190 in our Denver office.





FLORANCE GAS COM /G/ # 1
1190' F/NL 1490' F/EL
SEC. 30, T30N, RBW, NMPM
RAIL POINT: 162 miles - Montrose, Co.
MUD POINT: 20 miles - Aztec, MM
CEMENT POINT: 34 miles - Farmington, MM.

AZTEC STATE ROAD /23 18.01 1864

FARMILISTON

BLOOMFIELD

STATE ROAD

73 18.01 1864

PARMILISTON