CONDITIONS OF APPROVAL, IF ANY:

SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

30 - 045-2358 5. LEASE DESIGNATION AND SERIAL NO. 87-081239

DRILL TOTHER DEEPEN PLUG BACK TOTHER TOTHER STROKE MINISTER OF THE SOND THE		GEOLO	GICAL SURVEY		98-	veres,	
DRILL DEEPEN DILLOGANCE AND CONTROL OFFICE ADDRESS OF CREATED BY AND CONTROL OF CONTROL	APPLICATION	N FOR PERMIT	TO DRILL, DE	EPEN, OR PLUG I	BACK 6. IF IN	IAN, ALLOTTEE OR TRIBI	NAME
THE OWNER OF THE AND THE AND PROPER CONTROL COMPANY AND CONTROL COMPANY	. TYPE OF WORK	LL X	DEEPEN	PI LIG RA	CK 7. UNIT	AGREEMENT NAME	
WHILE O OPPEADOR AND OF PRODUCTION COMPANY JOHNSON OF WALLE OF STATE OF THE STATE OF THE WALL SO THE STATE OF THE WALL STAT	. TYPE OF WELL		DEEL FIX	1200 57			
ABOOD PRODUCTION COMPANY ADDRESS OF OFFERENCE 501 Aftroort Drive, Farmington, New Mexico 87401 10. Field And Proof. (Report location clearly and in accordance with any State requirements.) 11. Field And Proof. (Report location clearly and in accordance with any State requirements.) 12. OFFIEL AND POOL. OR WILDOW 11. MILE 990' FIL, Section 15, T-30-H, R-12-H 12. Indicated the Miles and Discriment from Nearest rown or Post office. 12. Indicate in Miles and Discriment from Nearest rown or Post office. 12. Indicate in Miles and Discriment from Nearest rown or Post office. 12. Indicate in Miles and Discriment from Nearest rown or Post office. 12. Indicate in Miles and Discriment from Nearest rown or Post office. 13. No. or access in Lease 14. No. or access in Lease 15. No. or access in Lease 16. No. or access in Lease 17. No. or access ambounts 18. No. or access in Lease 19. PROPOSED DEFFIE 20. ROTALY OR Challed Tools 10. No. or access in Lease 11. No. or access ambounts 12. No. or access ambounts 13. No. or access in Lease 24. APTON. DATE WORLD THE WERN 25. APTON. DATE WORLD THE WERN 26. ROTALY OR Challed Tools 27. APTON. DATE WORLD THE WERN 28. ALEXAND 290' 2442.59 27. PROPOSED CASING AND CEMENTING PROGRAM 28. OFFICE ACCESS 28. ALEXAND 28. ALEXAND 29. APTON. DATE WORLD THE WORLD THE POOL TOOL THE WERN 29. APTON. DATE WORLD THE WORLD THE POOL TOOL THE WERN 29. APTON. DATE WORLD THE WORLD THE POOL TOOL THE WERN 29. APTON. DATE WORLD THE WORLD THE POOL TOOL THE WERN 29. APTON. DATE WORLD THE WORLD THE POOL TO THE WERN 29. APTON. DATE WORLD THE WO	OIL GA	S ELL OTHER					4
ADDRESS OF TOPERATOR 501 Airport Drive, Farmington, New Mexico 87401 100 PRL 5 990 PWL, Section 15, T-30-H, R-12-W AI surface 1100 PRL 6 990 PWL, Section 15, T-30-H, R-12-W AI proposed pred, some SERME 1107 PRL 6 990 PWL, Section 15, T-30-H, R-12-W AI proposed pred, some 12 -1/2 mile morth of Flore Vista, New Mexico 13 . No. of ACRES IN LEASE 13 . COUNTY OF FARINE 13, STATE 1-1/2 mile morth of Flore Vista, New Mexico 16 . No. of ACRES IN LEASE 17 . Some Just 18 . No. of ACRES IN LEASE 18 . Some Just 19 . PROPOSED PROPOSED 10 . NORTH DRIVER FOR PROPOSED 11 . NO. OF ACRES IN LEASE 12 . COUNTY OF FARINE 13, STATE 13 . COUNTY OF FARINE 13, STATE 14 . NO. OF ACRES IN LEASE 13 . NO. OF ACRES IN LEASE 14 . NO. OF ACRES IN LEASE 15 . NO. OF ACRES IN LEASE 16 . NO. OF ACRES IN LEASE 17 . NO. OF ACRES IN LEASE 18 . Just 18 . COUNTY OF FARINE 18 . COUNTY OF CRAINE 19 . PROPOSED CASING DRIPTH 4700	NAME OF OPERATOR						
Sol Airport Drive, Parmington, New Mexico 87401 10. PIED AND POOL, OR WILDCAY 10. PIED AND POOL, OR WILDCAY 11. PIED AND POOL, OR WILDCAY 12. OCKYST OR PARKET IS. 12. CORYST OR PARKET IS. 12. PIED AND POOL PARKET IS. 13. PIED AND POOL PARKET IS. 14. POOL PARKET IS. 15. PIED AND POOL PARKET IS. 16. PIED AND POOL PARKET IS. 17. PIED AND POOL PARKET IS. 1		ION COMPANY				NO.	
LICATION OF WALL (Report location clearly and in accordance with any State requirements.) 1100' FML & 990' FML, Section 15, T-30-H, R-12-H At proposed prod. once Sees. DISTANCE FROM PROPOSED' LOCATION OF ROLL HOLD AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE' 11, M. T. H. A. D. H.K 12, COUNTY OF PARKET ROLL PROPOSED' LOCATION OR MARKET FROM PROPOSED CLEARING. LOCATION OR MARKET ROLL PROPOSED' LOCATION OR MARKET FROM PROPOSED CLEANING. LOCATION OR MARKET ROLL PROPOSED' LOCATION OR MARKET FROM PROPOSED CLEANING. 10, PROPOSED CASING AND CEMENTING PROGRAM 110, NO. OF ACRES IN LEASE 117. NO. OF ACRES ASSISTED 117. NO. OF ACRES ASSISTED 118. NO. OF ACRES IN LEASE 119. PROPOSED CLEANING 110. NO. OF ACRES IN LEASE 110. NO. OF ACRES IN LEASE 110. NO. OF ACRES ASSISTED 110. NO. OF ACRES ASS				. 07401	-		
At purposed prod. 2006 At proposed prod. 2006 Seems 11.00' PRL & 990' FWL, Section 15, T-30-N, R-12-W At proposed prod. 2006 DISTANCE NO MILES AND DERCTION FROM NEAREST TOWN OR POST OFFICE* 12. COUNTY OR PARISH 13. STATE 1-/2 wile morth of Fibra Vista, New Mexico 15. NO. OF ACRES IN LEASE 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES IN LEASE 18. NO. OF ACRES IN LEASE 18. NO. OF ACRES IN LEASE 19. PROPOSED DEPTH 20. ROTART OR OR CHAINTY 20. ROTART OR CARLE TOOLS 22. APPROX. DATH WORK WILL STAN As soon as permitted 22. APPROX. DATH WORK WILL STAN 23. APPROX. DATH WORK WILL STAN 24. APPROX. DATH WORK WILL STAN 25. APPROX. DATH WORK WILL STAN 26. APPLOX APPROX. OF ACRES IN LEASE 300' 240 SX 3-3/4" 7" 239 2250' 520 SX 3-3/4" 4-1/2" 10.55 2100-4700' 340 SX Amoco proposes to drill the above well to test Fruitland, Pictured Cliffs and Messwerd formations. The well will be drilled with a low solids non-dispersed and system. Completion design will be based on open hole logs. The gas from this well is not committed to a purchaser. Additional information required by MTL-6 for the application to drill and a Hight-Poir Surface Use Plan are attached. District Engineer							
ADDRESSED THE MILES AND DESCRIPTOR FROM NEAREST TOWN OR FOST OFFICE' 1-1/2 wile morth of Fiera Vista, New Mexico 1-1/2 wile morth of Fiera Wile wile wile wile wile wile wile wile w	At surface	-			11. SEC.,	T., R., M., OR BLK.	
DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE* 1-1/2 wile morth of Flora Vista, New Maxico DISTANCE FROM PROPOSED* LOCATION TO MARKET TO MARKET WILL, DELLING, COMPLETED, AND OF ACRES IN LEASE 15. No. OF ACRES IN LEASE 17. No. OF ACRES ASSIGNED TO THIS WERP, 18. NO. OF ACRES IN LEASE 17. No. OF ACRES ASSIGNED TO THIS WERP, TO RELEAST WELL, DELLING, COMPLETED, NOME 19. PROPOSED DEFTH 20. ROTANT OR CHILE TOOLS ROTATION (Show whether DF, RT, GR, etc.) PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE RIZE OF CASING BIZE OF CASING BIZE OF CASING BIZE OF HOLE RIZE OF CASING BIZE OF CASING BIZE OF HOLE RIZE OF CASING BIZE OF CASING BIZE OF CASING BIZE OF HOLE RIZE OF CASING BIZE OF HOLE BIZE OF CASING WEIGHT FER FOOT SETTING DEFTH QUANTITY OF CEMENT 22. APPROX. DATE WORK WILL BYAR BIZE OF CASING BIZE OF HOLE BIZE OF CASING BIZE OF CASING BIZE OF HOLE BIZE OF CASING BIZE OF HOLE BIZE OF CASING BIZE OF HOLE BIZE OF CASING WEIGHT FER FOOT BETTING DEFTH QUANTITY OF CEMENT 22. APPROX. DATE WORK WILL BYAR GUANTITY OF CEMENT 22. APPROX. DATE WORK WILL BYAR GUANTITY OF CEMENT 22. APPROX. DATE WORK WILL BYAR GUANTITY OF CEMENT 22. APPROX. DATE WORK WILL BYAR GUANTITY OF CEMENT 22. APPROX. DATE WORK WILL BYAR GUANTITY OF CEMENT 22. APPROX. DATE WORK WILL BYAR GUANTITY OF CEMENT GUANTITY OF CEMENT BOOK BIZE OF THE STATE OF CASING BOOK BIZE OF HOLE BYAR BOOK BIZE OF HOLE BYAR BOOK BIZE OF HOLE BOOK BIZE			MI 13, 1-30-M	3 K-14-M	nu/4	HIVA Becklon	15,
DISTANCE IN MILES AND DIRECTION FROM SHARREST TOWN OR POST OFFICE' 1-1/2 mile morth of Flore Vista, New Maxico DISTANCE FROM PROPOSED LOCATION TO MARKEST LOCATION TO THE WILE AND TO THIS WELL LOCATION TO MARKEST LOCATION TO MARKEST LOCATION TO THE WELL LOCATION TO THE WELL LOCATION TO MARKEST LOCATION TO THE WELL		e			T-30-	H, R-12-V	
DISTANCE PROFESSION PROPOSED PROGRAM: If proposal is to deepen or proposed to drill or deepen directionally, give pertinent data on pursuit series to drill or deepen directionally, give pertinent data on pursuit. The same trace and proposed new productive some and proposed new productive program. If any. District Engineer 16. No. of ACRES IN LEASE 17. No. OF ACRES ASSISSIONED 20. ROTARY OR CABLE TOOLS ROTARY OR CABLE TOO		AND DIRECTION FROM NEA	REST TOWN OR POST	office*	12. coun	1	
DISTANCE PROPERTY OF THE WORLD STATE LINEARIST WILL BELLINE, UNIT LINE, H any) 16. NO. OF ACRES IN LEASE 2442.59 2242.59 19. PROPOSED DEFTE A 700' 19. PROPOSED DEFTE A 8 SOOM 25 PRETENTIONS (Show whether DF, RT, GR, etc.) 19. PROPOSED CASING AND CEMENTING PROGRAM 10. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF HOLE SIZE OF CASING SIZE OF CASING 10. SFTING DEFTH QUANTITY OF CEMENT 12-1/4" 9-5/8" 36f 300' 240 5% 3-1/4" 4-1/2" 10. 5f 2100-4700' 340 5% Amoco proposes to drill the above well to test Fruitland, Pictured Cliffs and Messaverd formations. The well will be drilled with a low solids non-dispersed and system. Completion design will be based on open hole logs. The gas from this well is not committed to a purchaser. Additional information required by STL-6 for the application to drill and a Multi-Poir Surface Use Plan are attached. District Engineer DATE May 31, 1979 (This space for Federal or State office use)	1-1/2 mile mo:	rth of Flora Vi	ista, New Max	ieo	Sem J	uan Yer	Mex
Amoco propeses to drill the above well to test Fruitland, Pictured Cliffs and Measured formations. The well will be drilled with a low solids non-dispersed med system. Amoco propeses to drill the above well to test Fruitland, Pictured Cliffs and Measured formations. The well will be drilled with a low solids non-dispersed med system. Additional information required by HTL-6 for the application to drill and a Multi-Poir Surface Use Plam are attached. Assor Espace Describe Proposed Frogram: If proposal is to deepen or purpose. The application to drill and a Multi-Poir Surface Use Plam are attached. District Engineer District Engineer District Engineer Date May 31, 1979 (This space for Federal or State office use)	DISTANCE FROM PROPO	SED*	1	6. NO. OF ACRES IN LEASE	17. NO. OF ACRES A	,	
THE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or proposed to drill and a Multi-Poir Surface Use Plan are attached. None 4700' Retary Retary None 4700' Retary 22. APPROX. DATH WORK WILL STAN As soon as permitted PROPOSED CASING AND CEMENTING PROGRAM PROPOSED CASING AND CEMENTING PROGRAM SHE OF HOLE SHE OF HOLE SHE OF HOLE SHE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 240 st 240 st 240 st 2-3/4" 7" 238 2250' 620 st 6-1/4" 4-1/2" 10.58' Z100-4700' 340 st ABOVE SFACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or proposed to drill and a Multi-Poir Surface Use Plan are attached. ABOVE SFACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or proposed to drill and a Multi-Poir Surface Use Plan are attached. District Engineer DATE May 31, 1979 (This space for Federal or State office use)	PROPERTY OR LEASE L	INE, FT.)90'	2442.59	ω	320	
SHEATHON ON, ON THIS LAIR, FT. ROSS ELEVATIONS (Show whether DF, RT, GR, etc.) PROPOSED CASING AND CEMENTING PROGRAM SHEE OF HOLE SIZE OF CASING WEIGHT PER POOT SETTING DEPTH QUANTITY OF CEMENT 12-1/A" 9-5/8" 369 300' 240 sx 250' 620 sx 250' 620' 620' 620' 620' 620' 620' 620' 62	B. DISTANCE FROM PROPO TO NEAREST WELL, DI	RILLING, COMPLETED,	_				
PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER POOT SETTING DEPTH QUANTITY OF CEMENT 12-1/A" \$-5/8" 36f 300' 240 set 8-3/4" 7" 23f 2250' 620 set 6-1/4" 4-1/2" 10.5f 2100-4700' 340 set Amoce proposes to drill the above well to test Freitland, Pictured Cliffs and Messverd formations. The well will be drilled with a low solids non-dispersed med system. Completion design will be based on open hole logs. The gas from this well is not committed to a purchaser. Additional information required by HTL-6 for the application to drill and a Multi-Poir Surface Use Flam are attached. Amove space describe proposed program: If proposal is to deepen or purchaser. Additional information required by HTL-6 for the application to drill and a Multi-Poir Surface Use Flam are attached. 4 JUN 6 1979 JUN 6 1979 JUN 6 1979 Bistrict Engineer DATE May 31, 1979 (This space for Federal or State office use)	OR APPLIED FOR, ON THE	IS LEASE, FT.	ione	4/00			
PROPOSED CASING AND CEMENTING PROGRAM SIER OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 12-1/A" 9-5/8" 366 300 240 8x 8-3/4" 7" 236 2250 520 8x 6-1/4" 4-1/2" 10.58 2100-4700 340 8x Amoco proposes to drill the above well to test Fruitland, Pictured Cliffs and Mesaverd formations. The well will be drilled with a low solids non-dispersed and system. Completion design will be based on open hole logs. The gas from this well is not committed to a purchaser. Additional information required by HTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached. ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or purchaser. JUN 6 1979		ether DF, RT, GR, etc.)					
SIZE OF HOLE SIZE OF CASING SIZE OF HOLE 12-1/4" 9-5/8" 366 360' 240 5% 6-1/4" 4-1/2" 10.56 2100-4700' 340 5% Amoco proposes to drill the above well to test Fruitland, Pictured Cliffs and Measured formations. The well will be drilled with a low solids non-dispersed and system. Completion design will be based on open hole logs. The gas from this well is not committed to a purchaser. Additional information required by HTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached. ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or purchaser, and proposed new production. If proposal is to drill or deepen directionally, give pertinent data on pubburf 15-11-16 and many measured and true vertical depths. Give blow eventer program, if any. District Engineer DATE May 31, 1979 (This space for Federal or State office use)	2/01, GF						
12-1/4" 9-5/8" 36f 300° 240 sx 8-3/4" 7" 23f 2250° 520 ax 6-1/4" 4-1/2" 10.5f 2100-4700° 340 sx Amoco proposes to drill the above well to test Fruitland, Pictured Cliffs and Measward formations. The well will be drilled with a low solids non-dispersed and system. Completion design will be based on open hole logs. The gas from this well is not committed to a purchaser. Additional information required by HTL-6 for the application to drill and a Multi-Poir Surface Use Plan are attached. JUN 6 1979 JUN]	PROPOSED CASING	AND CEMENTING PROGR	AM.		
8-3/4" 8-3/4" 7" 23f 2250 340 ax 2100-4700 340 ax Amoce propesses to drill the above well to test Fruitland, Pictured Cliffs and Messwerd formations. The well will be drilled with a low solids non-dispersed and system. Completion design will be based on open hole logs. The gas from this well is not committed to a purchaser. Additional information required by HTL-6 for the application to drill and a Multi-Point Surface Use Plan are attached. JUN 6 1979 JUN 6 1979 JUN 6 1979 ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or purchaser with any present productive sone and proposed new productive representations in drill or deepen directionally, give pertinent data on subsuring States and measured and true vertical depths. Give blow eventer program, if any. Bioned Title District Engineer Date May 31, 1979 (This space for Federal or State office use)	SIZE OF HOLE				1		
Amoco proposes to drill the above well to test Fruitland, Pictured Cliffs and Mesaverd formations. The well will be drilled with a low solids non-dispersed and system. Completion design will be based on open hole logs. The gas from this well is not committed to a purchaser. Additional information required by HTL-6 for the application to drill and a Multi-Poir Surface Use Plan are attached. 4 JUN 6 1973 JUN 6 1975 ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or purchaser, the data on present productive sone and proposed new product are. If proposal is to drill or deepen directionally, give pertinent data on mulbouring this sand measured and true vertical depths. Give blow eventer program, if any. SIGNED 3 S Jacks 1979 (This space for Federal or State office use)		9-5/8"			T.I.		
Amoco proposes to drill the above well to test Fruitland, Pictured Cliffs and Mesaverd formations. The well will be drilled with a low solids non-dispersed and system. Completion design will be based on open hole logs. The gas from this well is not committed to a purchaser. Additional information required by HTL-6 for the application to drill and a Multi-Poin Surface Use Plan are attached. ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or purpose, the fats on pressy productive sone and proposed new product ne. If proposal is to drill or deepen directionally, give pertinent data on unbound 15 juices and measured and true vertical depths. Give blow eventer program, if any. District Engineer DATE May 31, 1979 (This space for Federal or State office use)		7"					
ne. If proposal is to drill or deepen directionally, give pertinent data on subsurf (SE ties and neasured and true vertical depths. Give blow eventer program, if any. Signed District Engineer Date May 31, 1979	The gas from	this well is n	et committed	to a purchaser.	ion to drill	and a Hules-l	4
ne. If proposal is to drill or deepen directionally, give pertinent data on subsurf (SE ties and neasured and true vertical depths. Give blow eventer program, if any. Signed District Engineer Date May 31, 1979					1 1	•	'01E
SIGNED BY 31, 1979 (This space for Federal or State office use)				RELL 21	4- 4-	· · · · · · · · · · · · · · · · · · ·	'01 1
	ne. If proposal is to eventer program, if an	drill or deepen direction	proposal is to deeper ally, give pertinent o				oduct
PERMIT NO APPROVAL DATE	ne. If proposal is to eventer program, if an	drill or deepen direction	ally, give pertinent o	District Eng	nd measured and true	vertical depths. Give	oduet blow
AFFBUILD VALUE	ne. If proposal is to eventer program, if any	drill or deepen direction y.	ally, give pertinent o	District Eng	nd measured and true	vertical depths. Give	oduct blowe
	ne. If proposal is to eventer program, if any signed (This space for Fede	drill or deepen direction y.	ally, give pertinent o	District Eng	nd measured and true	vertical depths. Give	oduct blowe
	signed (This space for Fede	drill or deepen direction y.	ally, give pertinent o	District Eng	Ineer D.	vertical depths. Give	odue blow

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE: 1963---O-711-396

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-107 -07 = Revised 10-1-78 --

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

All distances must be from the cuter boundaries of the Section.										
Operator					Lease				Well No.	
AMOCO PRODI	KTI	ON COMPANY	<u></u>		JOH1	VSON GAS CO	W uEu		1	· '
Unit Letter	Secti	on ?	Fownship		Rom	ge .	County			
D	15		30N		<u> </u>	12W	San J	uan		
Actual Footage Loca	tion c	f Well:						_		
1100	feet	from the	North	line and	990	fee	from the	West	line	
Ground Level Elev.		Producing Form	_		Pool	lone Wisto	Vo a arran	Dedic	ated Acrea	e:
5701		Mesav	erae		Г	lora Vista	Mesaver	de la	320	Acres
2. If more the interest an	an oi droy	ne lease is d alty).	edicated	to the wel	l, outline	e each and ide	ntify the o	marks on the pla	(both as	to working
	ommu	nitization, un	itization,	, force-pooli	ng. etc?	d to the well,		interests of all o	owners be	en consoli-
this form if No allowab	nece le wi	essary.) ll be assigned	to the w	ell until all	interest	s have been o	onsolidat	en consolidated. ed (by communit s, has been appro	ization, u	ınitization,
						ī		CER	TIFICATIO	N
990'		 						I hereby certify tained herein is best of my know S. Ja Name B. E. FACKR Position DISTRICT EN Company AMOCO PRODU Date MAY 22, 197	that the infative and college and be college. ELL GINEER	ormation con- mplete to the eljef.
		 		15		A Control of the Cont		I hereby certify shown on this plus of actual under my supervise true and conknowledge and be because May 6.51 Registered Rivers and/oritand/surversed B. K.	at was plots surveys ma ision, and t rect to the elief.	ed from field de by me or hat the same best of my
		-	1					Certificate No.	XIC	<i>!</i>

4	
:	
1	
1 3 ·	
4	
1	
1■ -	

SUPPLEMENTAL INFORMATION TO FORM 9-331C REQUIRED BY NTL-6 JOHNSON GAS COM "E" NO. 1 1100' FNL & 990' FWL, SECTION 15, T-30-N, R-12-W SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Tertiary San Jose.

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	DEPTH	ELEVATION
Fruitland	1714 '	+4000'
Pictured Cliffs	1964'	+3750 '
Mesaverde	3444'	+2270
TD	4700 '	+1014

Estimated KB elevation is 5714'.

The casing program to be used will include all new casing:

EST DEPTH	CSG. SIZE	WEIGHT	HOLE SIZE	SACKS CEMENT - TYPE
300 ' 2250 '	. 9-5/8 " 7"	36# 23#	12-1/4" 8-3/4"	240 sx Class "B" 2% CaCl2 620 sx Class "B" 6% Gel, 2#
2100-4700 '	4-1/2"	10.5#	6-1/4"	Med. Tuf Plug/sx. 240 sx Class "B" 6% Gel, 2# Med. Tuf Plug/sx.
				100 sx Class "B" Neat

Amoco's standard blowout prevention will be employed; see attached drawing of our blowout preventer design.

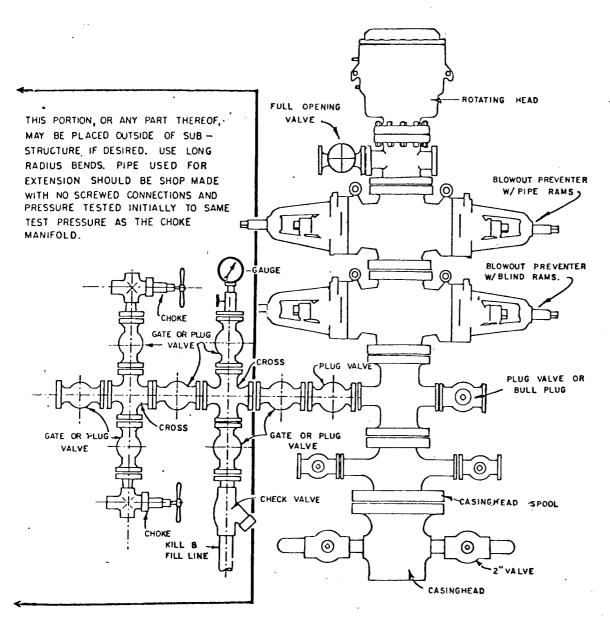
Drilling fluid to TD will be a low solids non-dispersed mud system.

Amoco will run an Induction Electric Survey from TD to 300' and a Density-Gamma Ray Log from TD to 300'. No cores or drill stem tests will be taken.

In the past, drilling in this area has shown that no abnormal pressures, temperatures, nor hydrogen sulfide gas will be encountered.

We will start operations as soon as well is permitted, and a three-week operation is anticipated.

1	I	
· ·		



BLOWOUT PREVENTER HOOKUP

EXHIBIT D-4
OCTOBER 16,1969

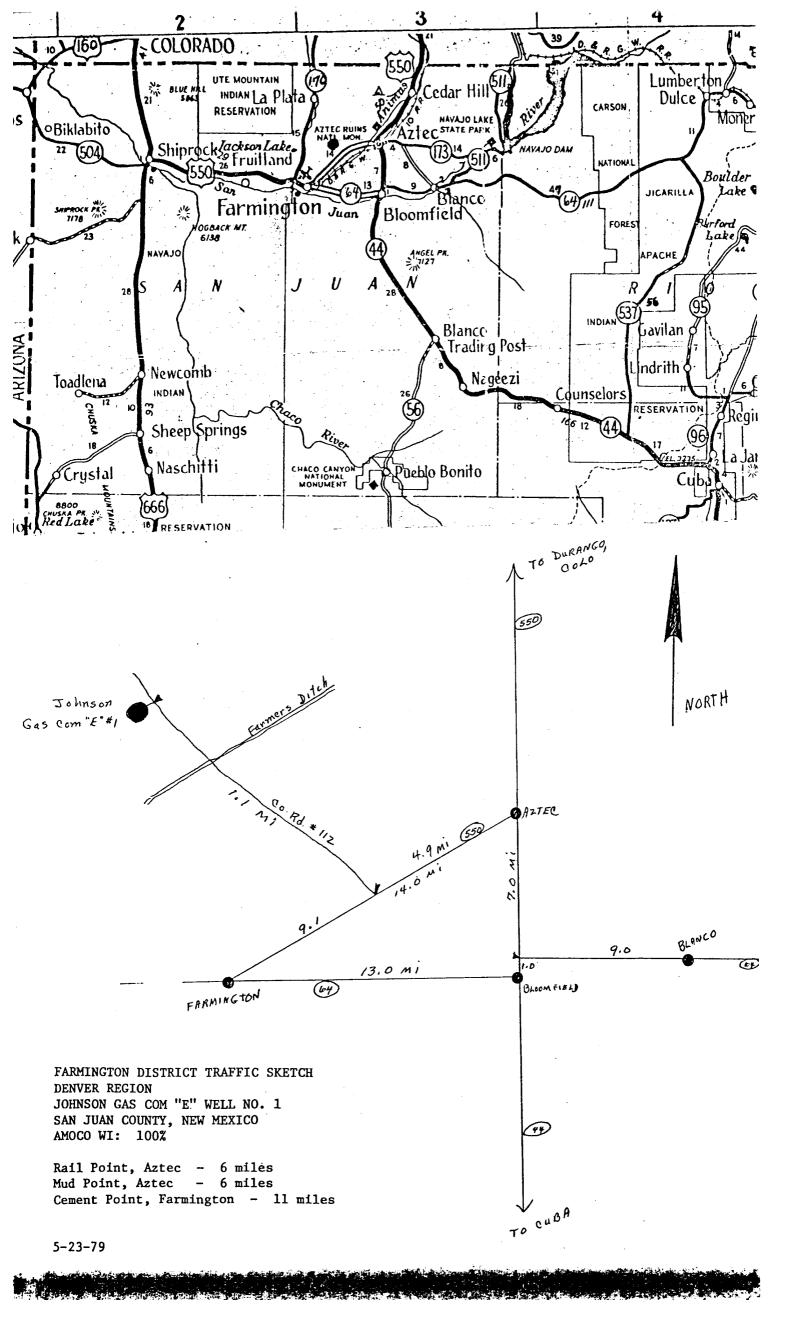
	t Addi	
li		
į		
	4	
ı		
	N. C.	
8		
The state of		
8	1	
	€ 4	
1000		
ę		
190		
The second second		
STANDARD CONTRACTOR		
to a the Mark of the contract of the state of		
the section of the present of the section of the se		
the section of the se		
The state of the s		
the state of the s		
The second of the second secon		

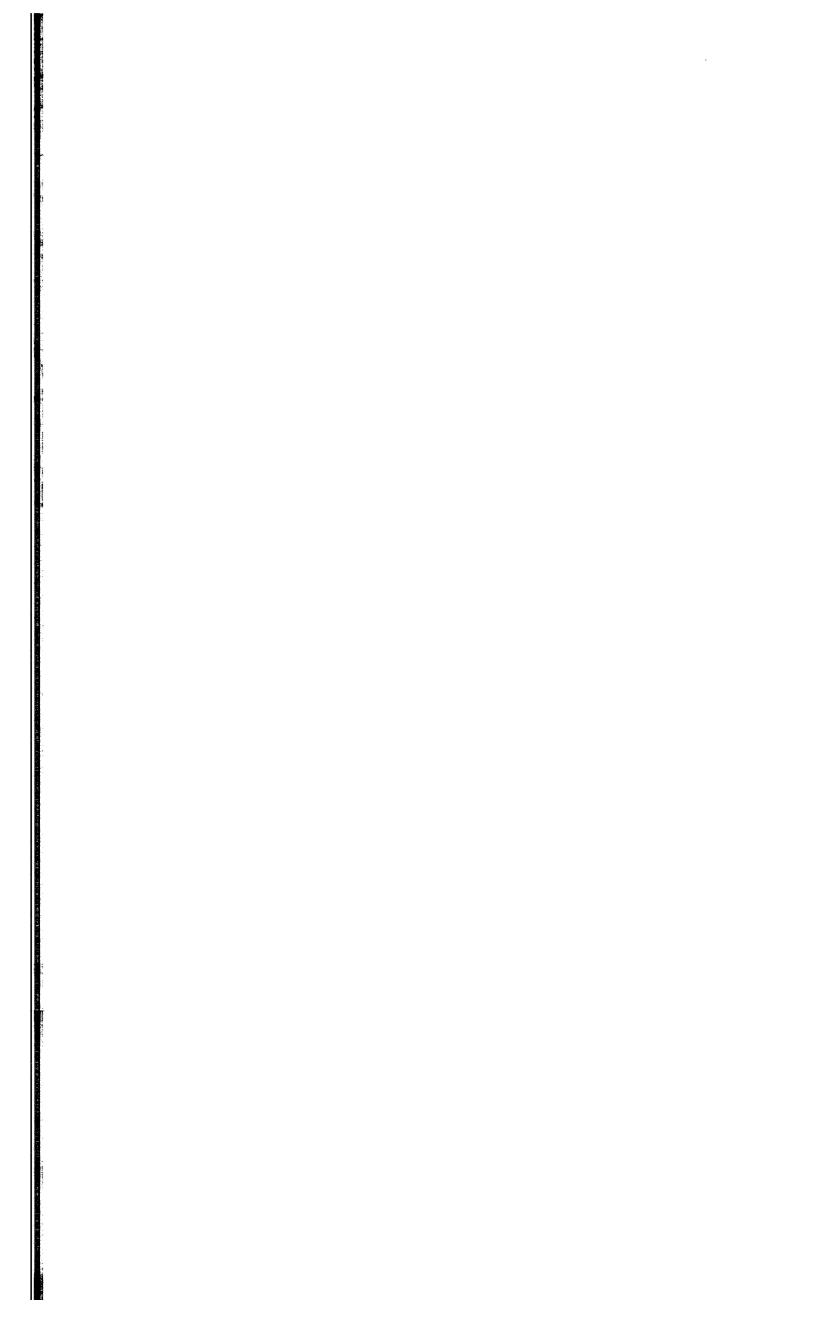
MULTI-POINT SURFACE USE PLAN

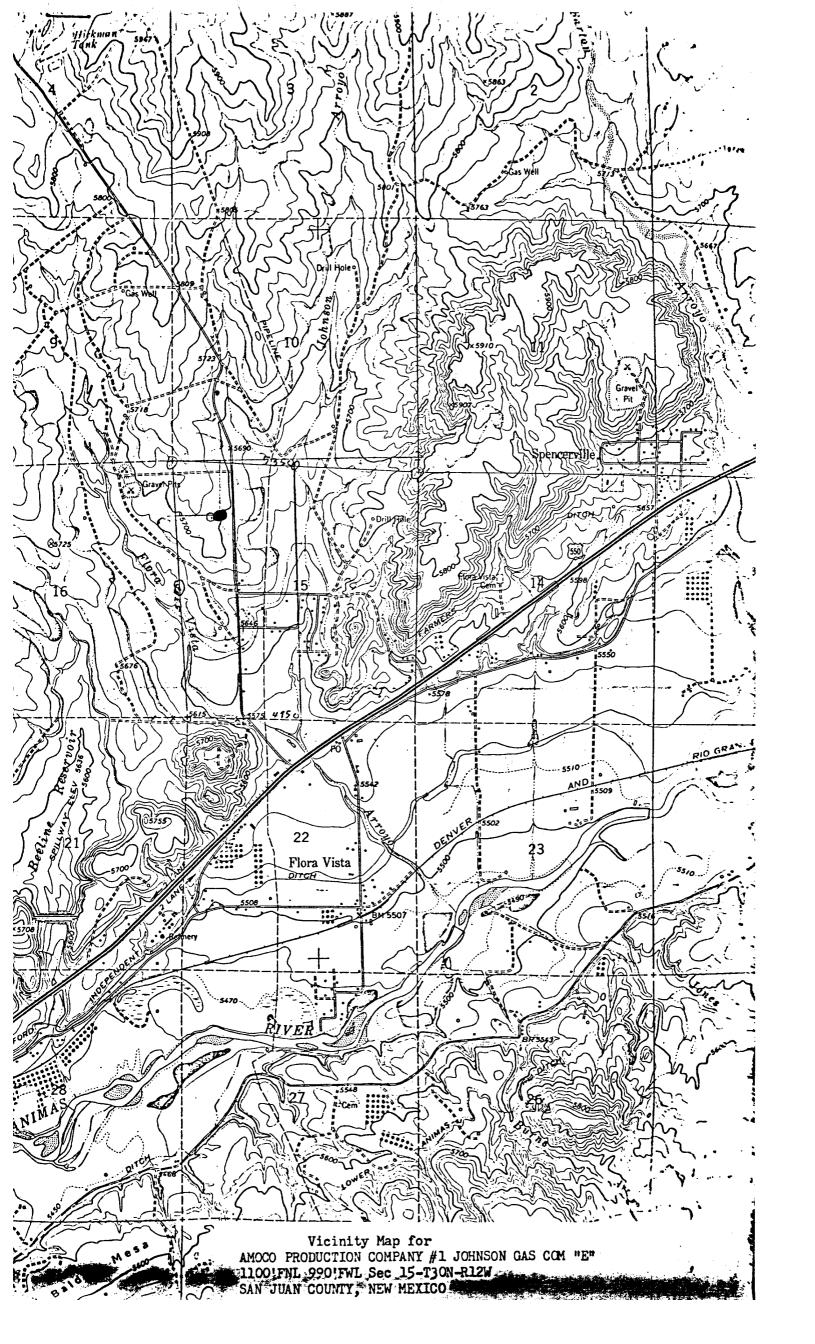
JOHNSON GAS COM "E" NO. 1 1100' FNL & 990' FWL, SECTION 15, T30N, R12W SAN JUAN COUNTY, NEW MEXICO

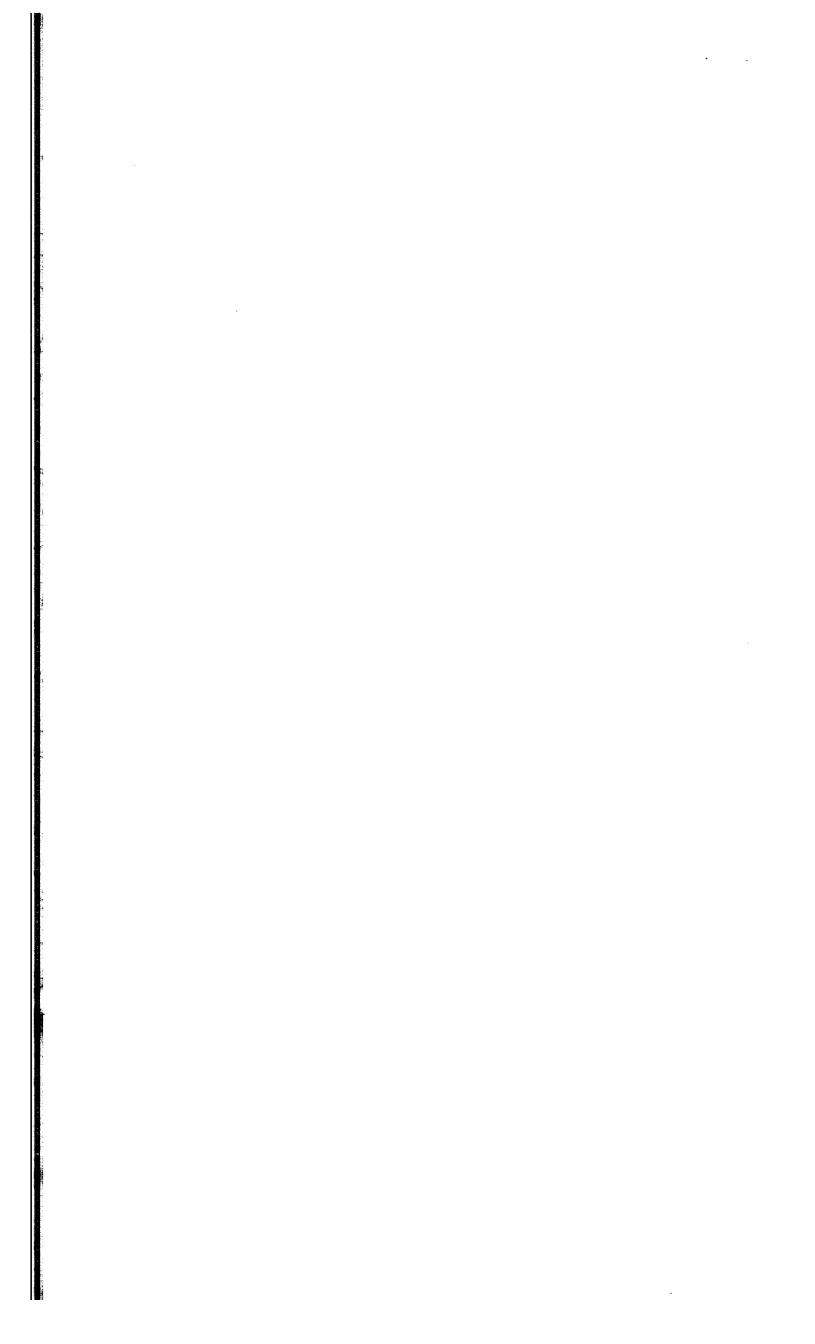
- 1. The attached road map and sketch show the proposed route to the location and distances from towns.
- 2. Approximately one-tenth of a mile of road will be built off County Road No. 112. A culvert will also be installed.
- Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the vicinity map.
- 4. There is a tank located approximately 4500' away.
- 5. Water will be hauled from Farmer's Ditch one-fourth mile south of the location.
- 6. No construction materials will be hauled in for this location.
- 7. A 150' \times 150' pit will be built on location to hold all drilling waste. Upon completion of well, all waste and liquid will be pumped out and fluids will be bladed into roads.
- 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 6-foot cut will be made on the west side.
- 10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Drilling mud will be hauled away and the reserve pit back filled. Reseeding of the site will be carried out as detailed in the attached seeding plan.
- 11. The general topography is a sandy slope with native grasses and cedar trees.
 - Representatives of the U. S. Geological Survey's Farmington Office (Brandt Dickey) and the Bureau of Land Management's Farmington Office (Russel Pigors) inspected the site with Amoco personnel. Cultural resources inspection was conducted by John Frizzell, Archaeologist from San Juan College.
- 12. A Certification Statement by Amoco's representative is included.

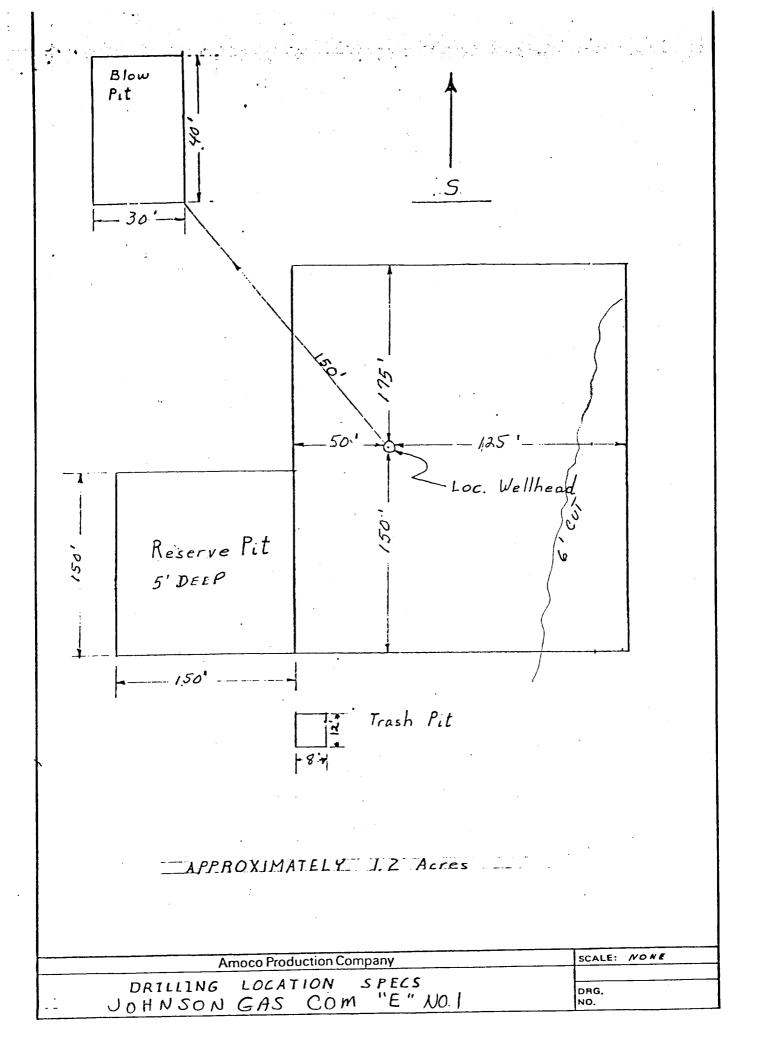
	1	
2.000		
		-
4		
T. All S.		
■		











A CONTRACTOR OF THE PARTY OF TH		•			
e est established for constant in					
DATE NO STORY SECTION					
Total Control of the					

SEEDING PLAN

1. TIME:

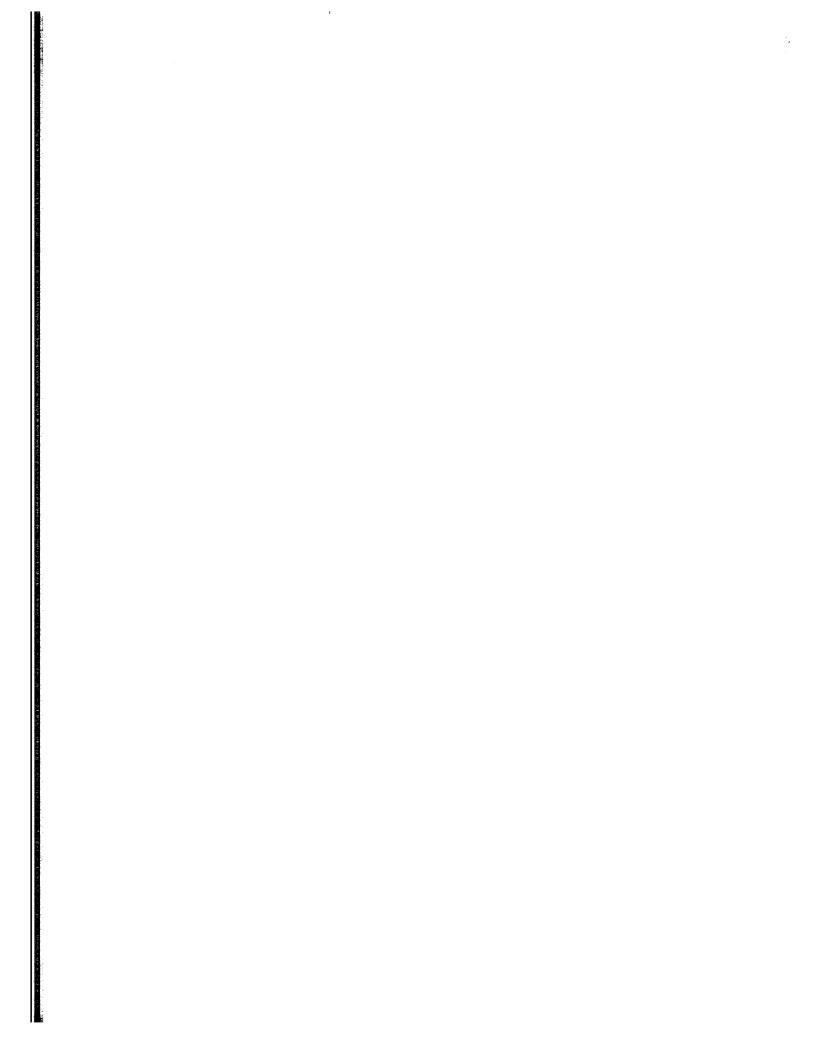
All seeding will take place between July 1 and September 15.

2. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, not up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

3. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

CRESTED WHEATGRASS	0.7 lbs.
RUSŞIAN WILD RYE	0.86 lbs.
ORCHARD GRASS	0.298 lbs.
PERENNIAL RYE GRASS	0.57 lbs.
WESTERN WHEAT GRASS	1.43 lbs.
SMOOTH BROME	1.14 lbs.
INTERMEDIATE WHEAT	0.91 lbs.
PUBESCENT WHEAT GRASS	1.09 lbs.



JOHNSON GAS COM "E" NO. 1 1100' FNL & 990' FWL, SECTION 15, T30N, R12W SAN JUAN COUNTY, NEW MEXICO

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 be 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 con-
formity with this plan and the terms and conditions under which it
is approved.

May 31, 1979

Date

roedle District Supt

Name and Title

Amoco Production Company's Representative:

R. W. Schroeder

Phone: Office: 505-325-8841; Home: 505-325-6164.

Address: 501 Airport Drive

Farmington, NM 87401