SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

DATE __

The well will be drilled to the intermediate casing point using water and Benex. The well will then be gas drilled to TB. Completion design will be based on open hole logs. The acreage is dedicated to El Paso Natural Cas Company. Attached is a Develop-	(Way 1999)		TED STATES T OF THE INTE	RIOR		30-045	-22663 ON AND SEBIAL NO.
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1 X and a day	zone. If proposal is preventer program, i	s to drill or deepen direction					
(This space for Federal or State office use)	SIGNED	. L. Knuph	TITLE &	ree Engineer		DATE 7	19/77

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: 1974-781-025/VIII-239

All distances must be from the outer boundaries of the Section

Operator			Lease		ne beetion.		Well No.
	ection Company		W. D.	Heath "A"	1		IA
Unit Letter	Section	Township	Frange		County	_	
P Actual Footeige Loc	gation of Well:	29N			San	Juan	
1160	feet from the So1	ith line o	md 790	feet	from the	East	line
Ground Level Elev.	Producing For		Pool				Dedicated Acreage:
5759	Mesa Ve			MESAVER			320 Acres
1. Outline th	e acreage dedica	ted to the subject	well by colore	ed pencil or	hachure 1	narks on t	he plat below.
2. If more the interest ar	nan one lease is nd royalty).	dedicated to the	vell, outline ea	ich and iden	tify the o	wnership (thereof (both as to working
3. If more that dated by c	an one lease of d communitization, u	ifferent ownership initization, force-po	is dedicated to ooling. etc?	the well, h	ave the in	nterests o	f all owners been consoli-
Yes	No If an	nswer is "yes," typ	e of consolidat	ion			
Tf	in 44-277 line sho				11 1		
this form i	f necessary.)	owners and tract d	escriptions whi	ch have act	ually bee	n consolid	lated. (Use reverse side of
	•	ed to the well until	all interests h	ave been co	nsolidate	d (by con	nmunitization, unitization,
forced-pool	ling, or otherwise)	or until a non-stan	dard unit, elimi	inating such	interests	, has been	n approved by the Commis-
sion.							
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	i İ		<u> </u>			best of m	ny knowledge and belief.
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	i ·				/ []	AMOCO P	RODUCTION COMPANY
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	 		1				certify that the well location
	į		ļ. 1				this plat was plotted from field actual surveys made by me or
	0		 				supervision, and that the same
			i				and correct to the best of my
L	+					knowledg	e and belief.
	i		 	φ_ 7 9	0,		
	i		j			Date Survey	yed
	l 1			-		June-	
	1		1	16K		Registered and/or Land	Professional Engineer d Surveyor
	i			٦		21	Chan
			† 1			Fred	B. Kerr Jr.
			7	***		Certificate	No.
C 330 650 I	90 1320 1650 1980	2310 2640 2	000 1500	1000 500	0	3950	

W. D. HEATH "A" NO. 1A 1160 FSL & 790 FEL, SECTION 9, T-29-N, R-9-W 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 the best of my knowledge, true and correct;
and, that the work associated with the operations proposed
herein will be performed byAMOCO PRODUCTION
COMPANY and its contractors and sub-
contractors in conformity with this plan and the terms and
conditions under which it is approved.

JULY 19, 1977

Date

AREA SUPERINTENDENT

Name and Title

DEVELOPMENT PLAN W. D. HEATH "A" NO. 1A 1160 FSL & 790 FEL, SECTION 9, T-29-N, R-9-W SAN JUAN COUNTY, NEW MEXICO

The proposed location has rabbit brush and four cedars as vegetation. The soil is sandy. The geological name of the surface formation is the Animas. No new road will be required. No construction materials will be used for building the location; dirt will be leveled at the well site. No location cut will be required. Verbal approval of the drill site has been obtained from Mr. Bob Moore, BLM; Mr. Leigh Freeman, USGS; and Ms. Dabney Ford, Archaeologist.

Arrangements are being made to haul water from the irrigation ditch in Blanco. Drilling fluid to 2700' will be a water and Benex and the well will be gas drilled from 2700' to TD (4850'). Upon completion the location will be cleaned up and leveled. Drilling mud and water will be hauled away and the reserve pit backfilled. Attached is the BLM seeding plan to be followed for this well. In addition, all surface equipment will be painted green so as to follow BLM requirements.

There are neither airstrips nor camps in the vicinity.

The estimated tops of important geological formations bearing hydrocarbons are:

FORMATION	<u>DEPTH</u>	ELEVATION
Pictured Cliffs	2299 '	+3473'
Cliffhouse	3949 '	+1823'
Menefee	4120'	+1652'
Point Lookout	4563 '	+1209 '

Estimated KB elevation: 5772'

ESI. DEPTH	CSG. SIZE	WEIGHT	HOLE SIZE	SACKS CEMENT - TYPE
250 ' 2700 '	9-5/8" 7"	32.3# 20#	12-1/4" 8-3/4"	265 - Class "B", 2% CaCl ₂ . 470 - Class "B", 6% Gel, 2# Med. Tuf Plug/sx.
2500-4850 '	4-1/2"	10.5#	6-1/4"	50 - Class "B", 2% CaCl ₂ . 200 - Class "B", 50:50 Poz, 6% Gel, 2# Med. Tuf Plug/sx, 0.2% Friction Reducer. 75 - Class "B", 50:50 Poz, 6% Gel.

Amoco's standard blowout prevention will be employed, see attached drawing for blow-out preventer design.

Amoco plans to run the following logs from TD to 2700': Induction-Electric, Density-Gamma Ray. No cores or Drill Stem Tests will be taken.

In the past, drilling in this area has shown that no abnormal pressure, temperatures, or hydrocarbon gas will be encountered.

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

BLM SEEDING REQUIREMENTS IN THE FARMINGTON RESOURCE AREA

- SEED MIXTURE 2
- 2. TIME:

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

3. 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.

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

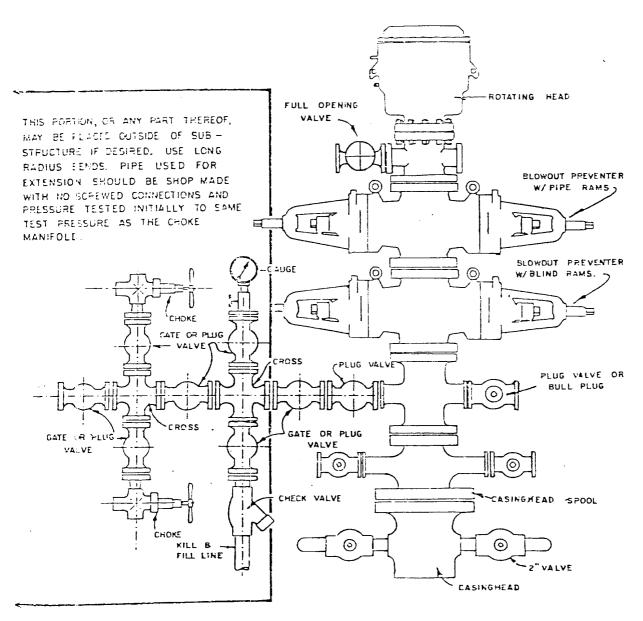
CRESTED WHEATGRASS (Agropyron desertorum) - 31/4 lbs.

FOURWING SALTBUSH (dewinged) (Atriplex canescens) $-\frac{1}{2}$ 1b.

SAND DROPSEED (Sporobolus cryptandrus) - 3/4 lb.

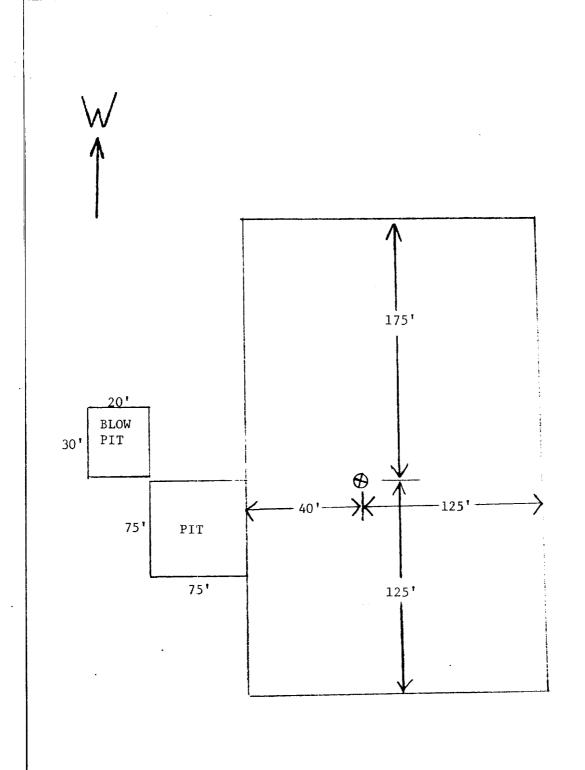
WINTERFAT (Eurotia lanata) - ½ 1b.

ALKALI SACATON (Sporobolus airoides) - 3/4 lb.

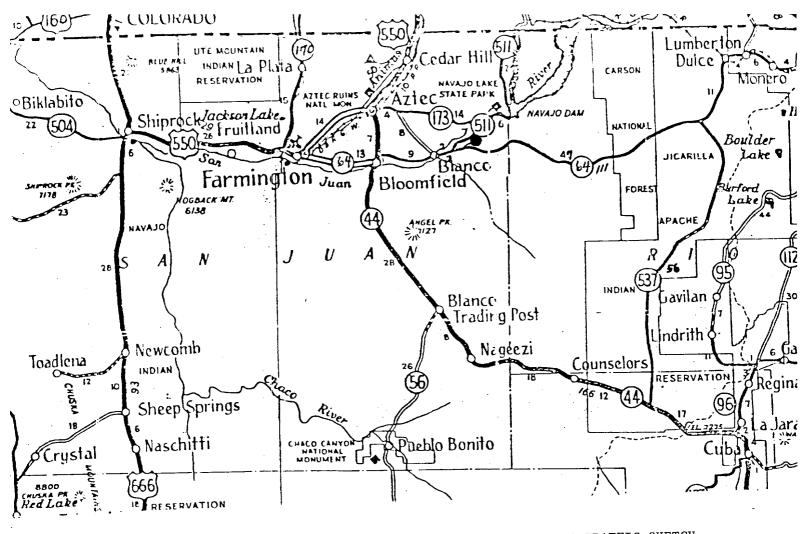


BLOWOUT PREVENTER HOOKUP

EXHIBIT D-4 OCTOBER 16,196



Amoco Production Company	SCALE:
Location Diagram: W. D. Heath "A" No. 1, Section 9-T29N-R9W, 1160' FSL & 790' FEL, SE 1/4 SE 1/4	None DRG. NO.



FARMINGTON AREA TRAFFIC SKETCH DENVER DIVISION
W. D. Heath "A" No. 1-A
San Juan County, New Mexico
Amoco WI: 100%

