1a. TYPE OF WORK

b. TYPE OF WELL

2. NAME OF OPERATOR

OIL U

SUBMIT IN TRIPLICATE*

(Other instructions on

Form approved. Budget Bureau No. 42-R1425.

reverse side)

194E 1242

UNITE				
DEPARTMENT	OF	THE	INTERIOR	

DEPARTMENT OF THE INTERIOR	5. LEASE DESIGNATION AND SERIAL NO.	
GEOLOGICAL SURVEY	SF-076337	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
DRILL DEEPEN DEEPEN PLUG BACK	7. UNIT AGREEMENT NAME	
TYPE OF WELL OIL GAS WELL OTHER NF LL SINGLE SINGLE ZONE ZONE	S. FARM OR LEASE NAME	
NAME OF OPERATOR	W. D. Heath "A"	
AMOCO PRODUCTION COMPANY	9. WELL NO.	
ADDRESS OF OPERATOR	9E	
501 At 1 D t 5 1 N M t 07401	10. FIELD AND POOL, OR WILDCAT	

Basin Dakota

NW/4, SE/4, Section 9,

R9W

New Mexico

permitted

T29N.

12. COUNTY OR PARISH | 13. STATE

San Juan

As soon as

4. -

AMOCO PRODUCTION COMPANY 3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 8740 l

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

1690' FSL and 1540' FEL, Section 9, T29N, R9W At proposed prod. zone

Same 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

3 miles Northeast of <u>Blanco, New Mexico</u> 15. DISTANCE FROM PROPOSED

DISTANCE PROPERTY OF LEASE LINE, FT.
(Also to nearest drig, unit line, if any) 15401 18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 2375

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

16. NO, OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL 5 1.3 2444.40 320 20. ROTARY OR CABLE TOOLS 19. PROPOSED DEPTH

Rotary 7019**'** 22. APPROX. DATE WORK WILL START*

57831 GL

23.

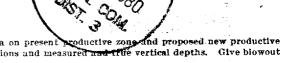
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" (New)	32.3# H-40	300¹	300 sx Class "B" x 2% CaCl2-circ
8-3/4"	7" (New)	20# K-55	2729'	390 sx (Same as below-circ)
6-1/4"	4-1/2" (New)	10.5# K-55	70191	To 2579' w/400 sx-Class "B" 50:

This application to drill an Infill Basin Dakota well is pursuant to Order No. R-1670-V approved by the NMOCD on May 22, 1979. This well will qualify under Section 103 of the Natural Gas Policy Act under Order No. R-1670-V.

The gas from this well is dedicated to El Paso Natural Gas.

50 POZ,6% gel,2# med tuf plug/sx, .8% FLA. Tail in w/100 sx Class B Neat.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present aroductive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and frue vertical depths. Give blowout

preventer program, if any.		
24. SIGNED B. E. Fackerellyon	District	t Engineer DATH May 16, 1980
(This space for Federal or State office use)	APPROVIT DATE	D ARE
APPROVED BY	THE	AE AMENINED
CONDITIONS OF APPROVAL, IF ANY:	Harry Commencer	Name of Henry

ah Such

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO LINERGY ALS MINERALS DEPARTMENT

P. O. BOX 2088

Form C-102 kevised 10-1-78

SANTA FE, NEW MEXICO 87501

	All dista	nces must be from th	he cuter fround	ries of the S	ection	
perator		Le	Qse			Well No.
	ON COMPANY		W. D. HE			9-E
Jnit Letter Sect	•		Range	Co	unty .	
J	9 29	N.	9W		San Juan	
Actual Footage Location	C + la		1540		n the East	_
<u>,/</u>	t from the South	line and		feet from	n the Daso	Ine Dedicated Acreage:
Fround Level Elev. 5783	Producing Formation Dakota		Basin Da	cota		320 Acres
	reage dedicated to the					<u> </u>
interest and ro	yalty).	•				hereof (both as to working
If answer is "this form if nec	No If answer is no," list the owners a tessary.)	n, force-pooling. "yes," type of c and tract descrip well until all in	etc? onsolidation tions which terests have	COMMUN	ITIZATION lly been consolid	nmunitization, unitization, approved by the Commis-
sion.	1					CERTIFICATION
	 				tained he best of n	certify that the information con- erein is true and complete to the ny knawledge and belief.
	Sec.	W. C.	AY S		Position DISTRI Company AMOCO Date	CT ENGINEER PRODUCTION COMPANY 10, 1980
		9	 	<u>(</u> 101	Apgwn oi notes of under m is true	recessify that the well location in this planwas plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my ge and belief.
	+ <u>S</u> F- 1 ! O	076337	1069		Date Surve	
	į		91.		Plarch Registered and/or L/m	1980AU

SUPPLEMENTAL INFORMATION TO FORM 9-331C

W. D. HEATH "A" NO. 9E 1690' FSL & 1540' FEL, SECTION 9, T29N, R9W SAN JUAN COUNTY, NEW MEXICO

The	geologic	name	of	the	surface	formation	is	the	Tertiary Nacimiento	·
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Estimated tops of important geologic markers and potential water, oil, or gas bearing formations:

FORMATION	<u>DEPTH</u>	ELEVATION
Ojo Alamo	1089 '	+4707
Kirtland	1294 '	+4502
Fruitland	2009 '	+3787'
Pictured Cliffs	2329 '	+3467'
Chacra (if present)	3099	+2697'
Mesaverde Cliff House Point Lookout	3979 ' 4529 '	+1817 ' +1267 '
Gallup	5814 '	- 18'
Dakota	6689 '	- 8931
TD	7019 1	-1223'

Estimated	KB	elevation:	5796	1

Drilling fluid to intermediate TD will be a fresh water, low solids non-dispersed mud system and then to TD with air. Open hole logging program will include logs from TD to below intermediate casing:

Induction-SP-GR
Compensated Density-Compensated Neutron-GR
GR = 0-2000 ft

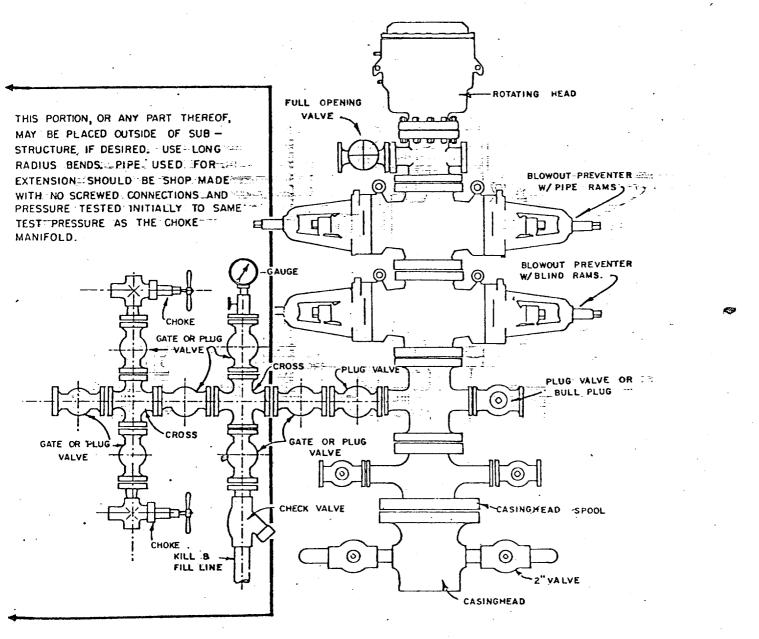
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately $\underline{}$ weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

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

- Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
- 2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
- 3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
- 4. All fittings to be flanged.
- 5. Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16,1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.

MULTI-POINT SURFACE USE PLAN

W. D. HEATH "A" NO. 9E 1690' FSL & 1540' FEL, SECTION 9, T29N, R9W SAN JUAN COUNTY, NEW MEXICO

- 1. The attached topographic map shows the proposed route to the location.
- 2. It will be necessary to build an access road approximately 800 feet in length and 20 feet wide. Road to be bar ditched on two sides.
- 3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
- 4. There is a 380-barrel tank and facilities located at W. D. Heath "A" No. IA, approximately one-quarter mile east.
- 5. Water will be hauled from the San Juan River.
- 6. No construction materials will be hauled in for this location.
- 7. A 125' by 125' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled. If any liquids remain, they will be hauled away prior to back filling.
- 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 5-foot cut will be made on top side.
- 10. Restoration of the surface will be accomplished by cleaning up and **leveling** upon completion of the well. Reseeding of the site will be carried out as instructed by the Bureau of Land Management.
- II. The general topography is a flat area, on edge of small bluff, with sandy loam soil; vegetation consists of sagebrush, native grasses, and jumipers.

Representatives of the U. S. Geological Survey's Farmington Office and the Bureau of Land Management inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from Salmon Ruins.

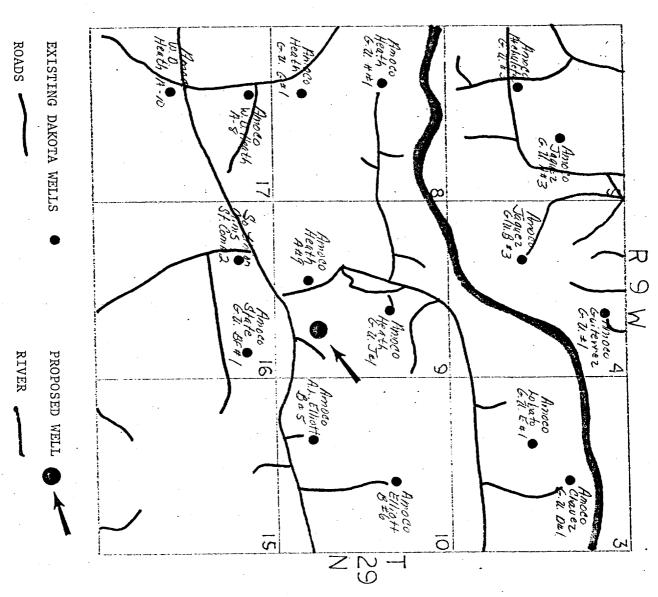
12. Operator's Representative: R. W. Schroeder

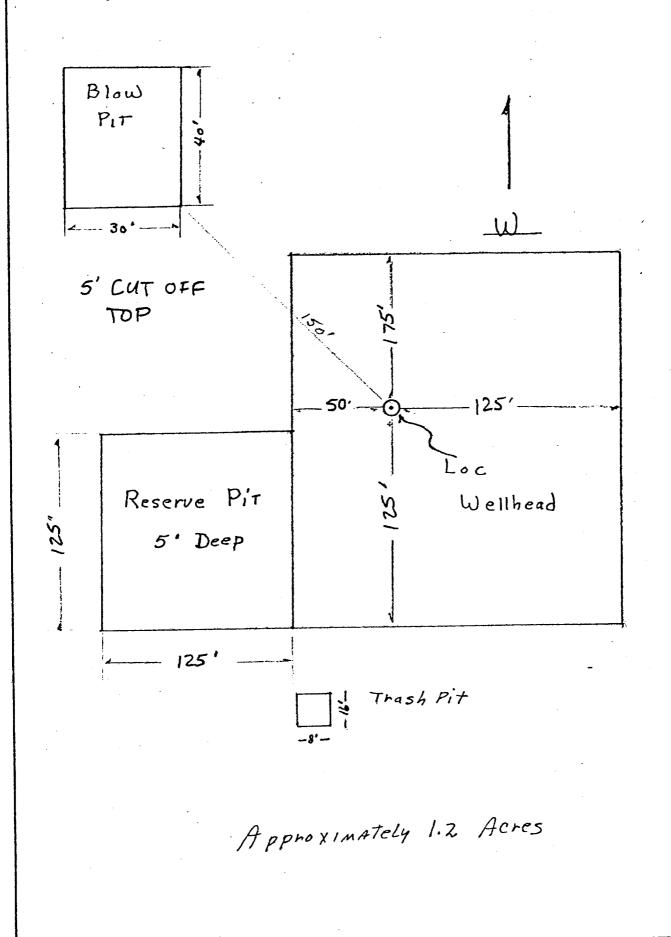
Phone: Office: 505-325-8841; Home: 505-325-6164 Address: 501 Airport Drive, Farmington, NM 87401

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 by AMOCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date <u>April 30; 1980</u>

R. W. Schroeder, District Superintendent





Amoco Production Company

Drilling Location Specs

W. D. HEATH A # 9E

BRG.
NO.