SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425. 30.045-2438/ 5. LEASE DESIGNATION AND SERIAL NO.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY							76337
A PPI ICATION	J FOR PERMIT T	O DRILL I)EED!	EN OR PILIG R	A CK	6. IF INDIAN, ALLOT	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 14. TYPE OF WORK							• •
DRILL ☑ DEEPEN ☐ PLUG BACK ☐						7. UNIT AGREEMENT	NAME
b. TYPE OF WELL OIL GAS [MCLTIPLE] MCLTIPLE []							10.5
MELT M	ELL X OTHER	NF LLL		NGLE MELTIPI	re 🗌	S. FARM OR LEASE	NAME
2. NAME OF OPERATOR					•	W. D. H	eath "B"
AMOCO PRODUCT	TION COMPANY .					9. WELL NO.	
3. ADDRESS OF OPERATOR	•					3	•
501 Airport [Orive, Farmingto	on, New Max	ico	87401		10. FIELD AND POOL	
At surface		į	1	L Collect V Land		Basin [
\downarrow 1820' FNL and	900' FEL, Sect	ion 31, T30	N, R			11. SEC., T., R., M., C AND SURVEY CR	AREA :
At proposed prod. zon	_	1		MAY 2		SE/4, NE/4,	Section 31,
14. DISTANCE IN MILES	Same	בים דחוניא חם פחם	T OFFIC	*	, i	T30N,	
		test town or for		in cerul - val Sussess Programment (b. 11.	• 1	12. COUNTY OR PART	1 .
3.5 miles Sou				O. OF ACRES IN LEASE	1 17 10 0	- San Juan	New Mexico
LOCATION TO NEAREST PROPERTY OR LEASE L		0001	10. 40			F ACRES ASSIGNED	
(Also to nearest drig	, unit line, if any)	900'		2444.40		20 3 16.5	<u>- 13 4 9 </u>
18. DISTANCE FROM PROP TO NEAREST WELL, D	RILLING, COMPLETED,	2600 '	19. PK	7040 t	20. ROTAL	EY OR CABLE TOOLS	
OR APPLIED FOR, ON THE		2000	<u> </u>	7040	<u> </u>	Rotary	4.53
21. ELEVATIONS (Show who	etner Dr., KT, GR., etc.)				. ś		WORK WILL START
5854 GL	· · · · · · · · · · · · · · · · · · ·				- 3	As soon as	permitted
2.).	F	ROPOSED CASI	NG ANI	O CEMENTING PROGRA	.M		. · ·
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	oor	SETTING DEPTH		QUANTITY OF CES	MENT
12-1/4"	9-5/8" (New)	32.3# H−	40	3001	300 sx	Class "B" x	2% CaCl2-cir
8-3/4"	7" (New)	20# K-	55	2808'		(Same as be	
6-1/4"	4-1/2" (New)	10.5# K-	55	7040'			Class "B" 50:
		l			· ·	50	POZ,.8% FLA,
Inis application	on to drill an	Infill Basi	n Dal	kota well is			med tuf plug,
	ler No. R-1670-\				3		gel. Tail in
	This well will						00 sx Class
of the Natural	Gas Policy Act	under Orde	r No.	R-16/0-V.		"B"	Neat.
The gas from th	nis well is dedi	cated to E	I Pas	so Natural Gas.	4		
,					. :		
						DEM	
	•						$M\lambda$
					•.	/ Jr. ***	
						011	
						CO. 570	
						1 0/02 00	<i>*O</i> /
						3014	- J.:
IN ABOVE SPACE DESCRIBE	PROPOSED PROGRAM: If	proposal is to deep	pen or n	olug back, give data on ne	esant prodi	ictive whee and pro-	red naw productive
zone. If proposal is to	drill or deepen directions	lly, give pertinen	t data o	on subsurface locations an	d measured	and true vertical de	pths. Give blowout
preventer program, if an 24.	y.						
RG	Fills All						e e e e e e e e e e e e e e e e e e e
SIGNED	Mustery y	Тії	ere	District Engi	neer	вать <u>Ма</u>	y 16, 1980
(This space for Fede	ral or State office use)						
						ALPROVE	\supset
PERMIT NO.				APPROVAL-BATE APP		E ANZENIE	
	•	Park the second		The residence		· · · · · · · · · · · · · · · · · · ·	and the same of th
CONDITIONS OF APPROV	AL, IF ANX:	TII	rls	1		DATE 19	()
		200				famus 7 A	in

NMOCC

ak Brok

OIL CONSERVATION DIVISION

STATE OF DEW MEXICO HERGY ALS MINERALS DIFFARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 keyised 10-1-78

e trouvidantes of the Section

			All distant	es must be fee				<u> </u>			
peral or					Lease						Well No.
AMOCO PRO	DUCT:	ON COMPA	NY		W. 1	D. HEAT	E" H	tt			3-₺
nit Letter	Section		Township		Range			County			
н		31	30	ON		9W		San	Juan		
ctual Footage Loc	ation o										
1820		from the	Nor t h	line and	900		feet	from the	East		line
round Level Elev.		Producing Fo		.,,,,	Pool					Dedice	sted Acreoge:
5854			tota		Bas	in Dako	ta		•	E 3	20 3 16.5 Acres
	1					1	• 1	1 1	.1		
1. Outline the	e acr	eage dedic	ated to the	subject we	ell by cole	ored pen	CII OF	hachure	marks on	the plat	below.
2. If more th			dedicated	to the wel	l, outline	each and	l iden	tify the	ownership	thereof	(both as to working
dated by c	ommu	nitization,	unitization,	, force-pooli	ng. etc?				interests o	of all o	wners been consoli-
Yes		No If a	answer is "	yes;" type o	of consolid	iation				<u>-</u>	· · · · · · · · · · · · · · · · · · ·
								. 11 1	,.		
			owners an	d tract desc	riptions w	thich hav	ve act	lually be	en consoli	dated. (Use reverse side of
this form if											
No allowat	ble wi	ll be assig	ned to the w	ell until all	interests	have be	en c	onsolidat	ed (by co	mmuniti	zation, unitization,
forced-pool	ling, c	r otherwise	e) or until a	non-standar	d unit, eli	minating	such	interest	s, has bee	n appro	wed by the Commis-
sion.											
1,										CED	TIEIC I TION
		1			;	1		1		CER	TIFICATION
		1			i			1			
]				1			1	hereby	e certify	that the information con-
		1		the transfer with the		5			toined l	herein is	true and complete to the
		1	- 1 - 1 - 2 - 3			820		1	best of	my know	ledge and belief.
	1	1			~ ;	18		Ì	\square	C1	\wedge
	ľ		MAT	2 - 1, 4				1	D	.20	while
	1				į 1	İ			Name	-	
	 		TURK TO A						B.E	. FACE	KRELL
!		1			. 1			1	Position		
İ		ı	·			1	90	001	DIS	TRICT	ENGINEER
		ł				@ -		~	Company		, , , , , , , , , , , , , , , , , , , ,
		ì			1			1	1	CO PR	DDUCTION COMPANY
•	1	i			SF-6	76337		1	Date		
	1		Sec.			70337		1	_	RHARY	26, 1980
			sec.					1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1
	-	<u> </u>							الميار ا		talent in the second of the se
		1		27	į			l	1	10	
	1	ŧ		31	j	1		I	A hereb	y certify	that the well location
	1	I			1	}			showa	on this pl	or was platted from field
		1			, '	, . I		i	Onoles o	i octual	surveys mode by me or
		1				1		I	6 ****/	- P_	ision, and that the same
	1	i						1	is true	and co	rect to the best of my
	ł				1				knowles	dge and b	elief.
				l		·					
		<u> </u>				} :		i	-		
	1	l	ł				_	1	<u> </u>		
		1			0				Date Surv	eyes	SURVE SURVE
		1			1			l	Febr	VA CV	9, 1980
		1 .			Ī	l		I	1 3	/ ~ /	stanal Engineer
		i		[j	i		1	and/or L	E Suite	yon.
		1	·	ł		\$		1	Tree	KAX	2014/64
		1				<u> </u>	سيميين		Fred	NB. Vi	John S. J.
				—					Certificat		FO R NEW YORK
,	F-	, ,	,	1 1	6	1		0 0	3950		

SUPPLEMENTAL INFORMATION TO FORM 9-331C

W. D. HEATH "B" NO. 3E
1820' FNL & 900' FEL, SECTION 31, T30N, R9W
SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface f	tormation	is	the	Tertiary Nacimiento
------------------------------------	-----------	----	-----	---------------------

Estimated tops of important geologic markers and potential water, oil, or gas bearing formations:

DEPTH	ELEVATION
1171	+4698 [*]
1408 '	+4459 [*]
2110'	+3759
2410 ¹	+3459
1	•
4039 ' 4661 '	+1830' +1208'
5832 '	+ 37'
6712 '	- 843 ^r
7040 '	-1173
	1171' 1408' 2110' 2410' 4039' 4661' 5832'

Estimated	KB	elevation:	5867
-----------	----	------------	------

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 surface casing:

Induction-SP-GR
Formation Density-Sidewall Neutron-GR

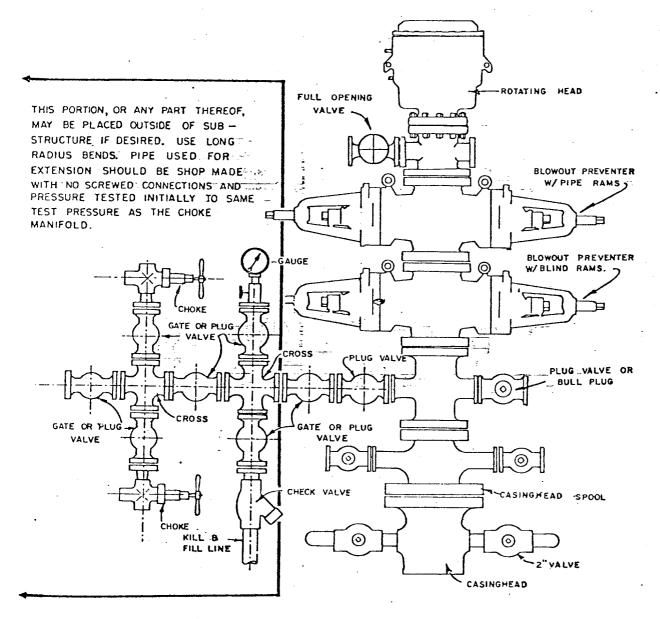
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 4 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.

- i. Drowout freventers and master varve to be fruid 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 "B" NO. 3E
1820' FNL & 900' FEL, SECTION 31, T30N, R9W
SAN JUAN COUNTY, NEW MEXICO

- 1. The attached topographic map shows the proposed route to the location.
- 2. It will not be necessary to build any access road.
- 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 "B" Well No. 3, approximately one-half mile south.
- 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 3-foot cut will be made on west 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 wash, with sandy loam soil; vegetation consists of native grasses and junipers.

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.

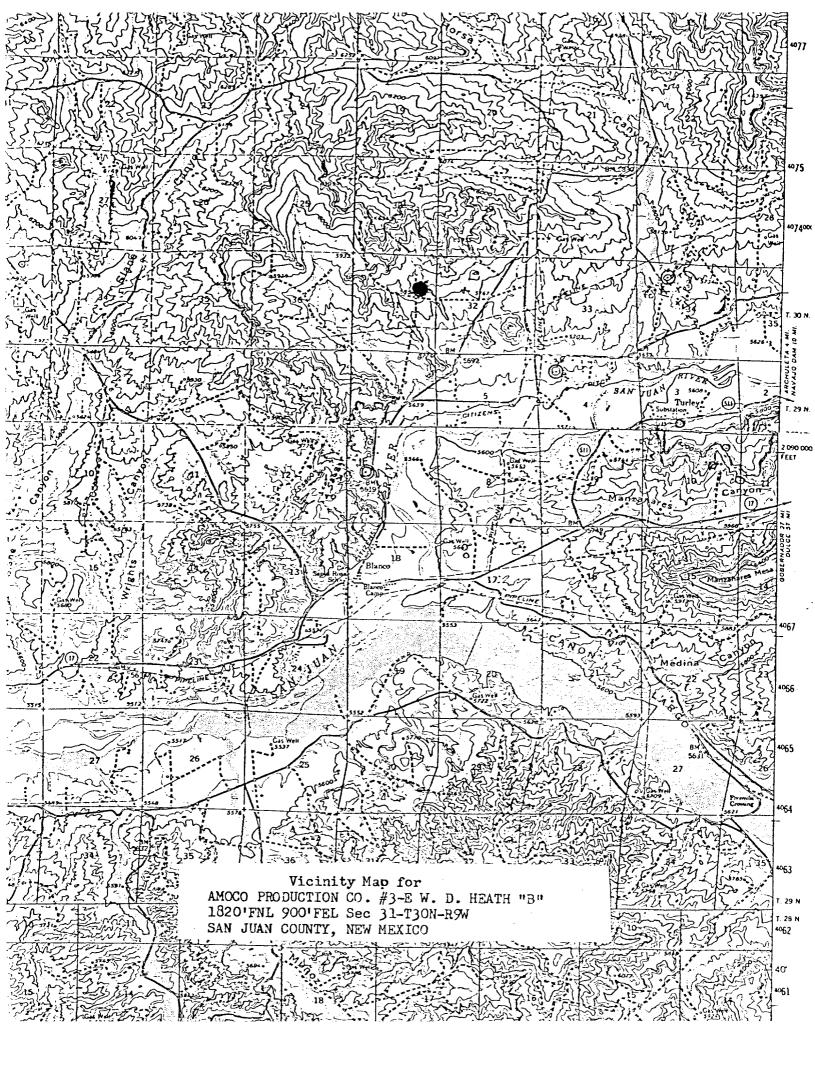
12. Operator's Representative: R. W. Schroeder

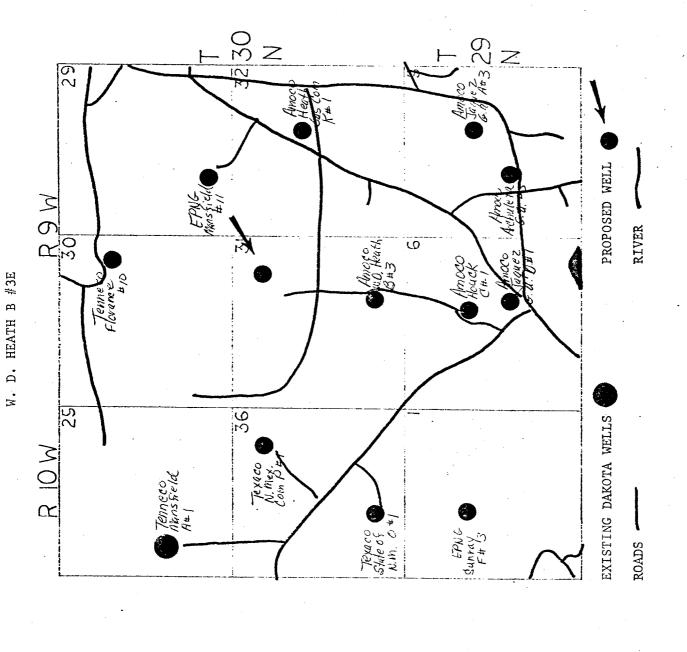
Phone: Office: 505-325-8841; Home: 505-325-6164 Address: 501 Airport Drive, Farmington, NM 87401

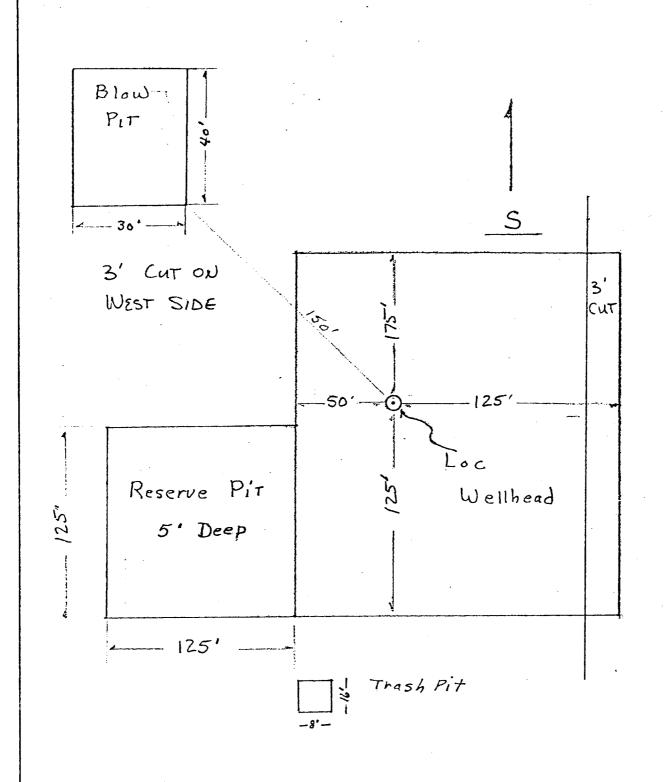
<u>Certification</u>: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by <u>AMOCO PRODUCTION COMPANY</u> and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date April 30, 1980 M. Schwedle

R. W. Schroeder, District Superintendent







Approximately 1.2 Acres

Amoco Production Company	SCALE: NONE
Drilling Location Specs	DRG.
W. D. HEATH "B # SE	NO.