SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

30037-2336
5. LEASE DESIGNATION AND BERIAL NO.

UNITED STATES DEPARTMENT OF THE INTERIOR

· · · · · · · · · · · · · · · · · · ·		EY	A PAPIW		C TO TYPE IN THE COURT OF THE C
APPLICATION FOR PERMIT	T TO DRILL,	DEEP	N, OR PLUG	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
DRILL X	DEEPEN		DEPLUG BA	gk 📑	7. UNIT AGREEMENT NAME
TYPE OF WELL OIL GAS		sı	NGLE VULTH	u V	Rosa Unit 8. FARM OR LEASE NAME
VAME OF OPERATOR		7.0		A A A	
			DiST. 3		9. WELL NO.
Amoco Production Company DDRESS OF OPERATOR					101
501 Airport Drive, Farming ocation of Well (Report location clearly	gton, N.M.	87401			10. FIELD AND POOL, OR WILDCAT
At surrace	1	ith any S	tate requirements.		Basin Dakota/Undes. Gal 11. SEC., T., B., M., OR BLE.
1760' FSL x 1850' 1	FWL	1, 1	+ 5° }	,	NE/SW Section 24,
At proposed prod. zone Same			Andrew Age Control of the Control		T31N, R6W
DISTANCE IN MILES AND DIRECTION FROM !	NEAREST TOWN OR PO	ST OFFIC	R. T. EUD DER DE PARSE	1	12. COUNTY OR PARISH 13. STATE
12 miles NW Gobernador, N	.M.				Rio Arriba N.M.
DISTANCE FROM PROPOSED* LOCATION TO NEAREST		16. NO	O. OF ACRES IN LEASE	TO T	OF ACRES ASSIGNED HIS WELL.
PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	1760'	10 0	2518.04	1	W/320/160 RY OR CABLE TOOLS
DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OK APPLIED FOR, ON THIS LEASE, FT.	5539'	10. 11	7950'	1	tary
ELEVATIONS (Show whether DF, RT, GR, etc.		1	THE VIEW ARE	1 10	22. APPROX. DATE WORK WILL START*
6303' GL	SUBJECT TO L	 V	C. THILL ATTACHED		As soon as permitted action is subject to administrative
0303 01		ing ani	CEMENTING PROGR		action is subject to administrative all pursuant to 30 CFR 290.
SIZE OF HOLE SIZE OF CASING	WEIGHT PER	FOOT	SETTING DEPTH		QUARTET OF CEMENT
17 ½" 13 3/8"	48# H40		400 1	834 c	u ft Class G w/2% CaCl ₂ .
7 7/8" 4 ½"	11.6# K5	5	7950 '	Circ.	to surf.
				1 '	55 cu ft Class G 50:50
				POZ c	ement. 2) 1998 cu ft
				POZ c	ement. 2) 1998 cu ft G 65:35 POZ cement. Ta
				POZ c Class in bo neat.	ement. 2) 1998 cu ft G 65:35 POZ cement. Ta th with 118 cu ft Class
				POZ c Class in bo neat. DV to	ement. 2) 1998 cu ft G 65:35 POZ cement. Ta th with 118 cu ft Class ol set at 5700'.
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NMOCC

FARMINGTON RESOURCE AREA

OIL CONSERVATION DIVISION

P. O. BOX 2088

ETATE OF NEW MEXICO
JERGY AID MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

form C-107 kevised 10-1-38

		Vit near suffer une	Lease				Well No.
perator DDADIK	TON COMPAN	v	Rosa	Unit		101	
AMOOO PRODUC	ection COMPAN	Township	Range		County		
,	57	31N		6W	Rio Ar	riba	
K Actual Footage Location							
	leet from the	V 4 011	ne and 1850		et from the Wi	est	line licated Acreage:
fround Level Elev:	Producing For		Pool	Dakota-II	ndes. Gallı	1	320/160 Acres
6303 1. Outline the	Dakota-G	allup					1-4 halam
 If more than interest and If more than dated by con Yes If answer is 	one lease is royalty). one lease of communitization, in the lease of communitization, in the lease of communitization, in the lease is royalty.	dedicated to the sifferent owners unitization, force and transver and transvers and transverses.	the well, outling this is dedicate e-pooling: etc? type of consolated descriptions	e each and i	dentify the ow	rnership ther	eof (both as to working l) owners been consoli- ed. (Use reverse side of
No allowable forced-poolingsion.	e will be assign	ed to the well) or until a non-	until all interes standard unit, e	ts have bee	consolidate	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	unitization, unitization, pproved by the Commis- CERTIFICATION
	! ! !					toined here	rilfy that the information con- in is true and complete so sho knowledge and belief.
	 		· 			Name Darrell D Position	0.00
<u>.</u> :	 10 10 3	AT S				Company Amoco Pro	Administrative Supervisor oduction Co.
	Dist. 3	Sec.				Date December	20, 1983
1850'	; 		2կ			shown on the notes of a under my :	certify that the well location his plat was plotted from field sectual surveys made by me as supervision, and that the same and correct to the best of my and belief.
	1750'						15000

Rosa Unit #101 MULTI-POINT SURFACE USE PLAN

1760' FSL, 1850' FWL, Sec. 24, T31N-R6W

Rio Arriba County, N.M.

- 1. The attached topographic map shows the proposed route to the location.
- 2. No road will be built.
- 3. 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 well and facilities at the Rosa Unit 19-24 (NWPL), approximately 300' South.
- 5. Water will be hauled from Cabresto and Bancos water holes (Section 25, T31N, R5W and Section 14, T31N, R4W).
- 6. No construction materials will be hauled in for this location.
- 7. A 125' by 125' pit, fenced on 3 sides, will be built on location to hold all drilling waste and upon completion of the well, the 4th side will be fenced. Drilling mud will be allowed to evaporate. Sanitary facilities and a steel mesh portable trash container will remain on location throughout drilling operations and will then be trucked to a designated disposal area.
- 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.
- 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.
- 11. The general topography is sloping, sandy loam, with sage and native grasses.
- 12. Representatives of the Bureau of Land Management inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from San Juan College.

operator's Representative: S. D. blosses

Office Phone: (505) 325-8841

Address: 501 Airport Drive, Farmington, NM 87401

dertification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillisite and access route, that I am imiliar 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 October 20, 1983

11 Blyso-D. Blossom - District Superintendent

SUPPLEMENTAL INFORMATION TO FORM 9-331C

Rosa Unit No. 101 NE/SW Section 24, T31N, R6W Rio Arriba County, New Mexico

The	geolog	gical	name	of	the	surface	for	mation	is	the	San	Jose		
Est	imated	tops	of i	mpoı	tant	potenti	ial	hydroca	arbo	n be	aring	format	ions:	

FORMATION	DEPTH	ELEVATION
Pictured Cliffs	3140'	+3180'
Gallup	6415'	-95'
Dakota	7640'	-1320'

TD 7950' -1630'

Estimated KB elevation: 6316'.

Drilling fluid to TD will be a low solids non-dispersed mud system. Open hole logging program will include logs from TD to below surface casing:

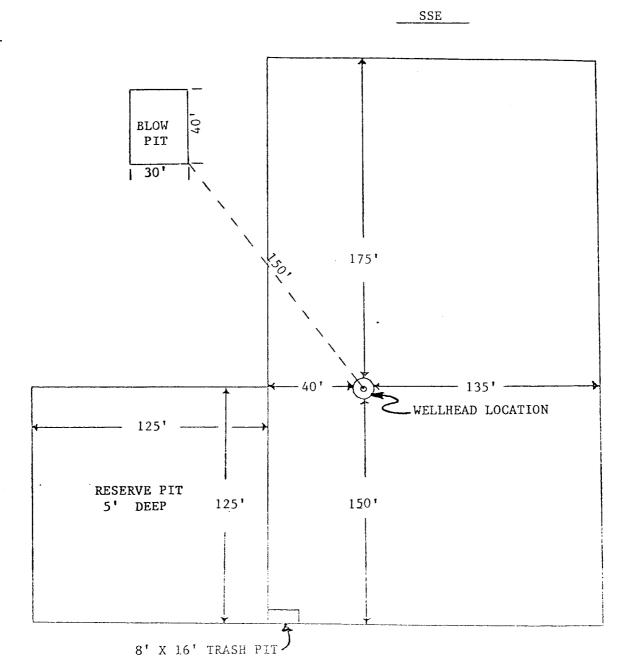
DIL-SP-GR FDC-CNL-GR-Caliper

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 $\underline{\hspace{0.4cm}}$ weeks.

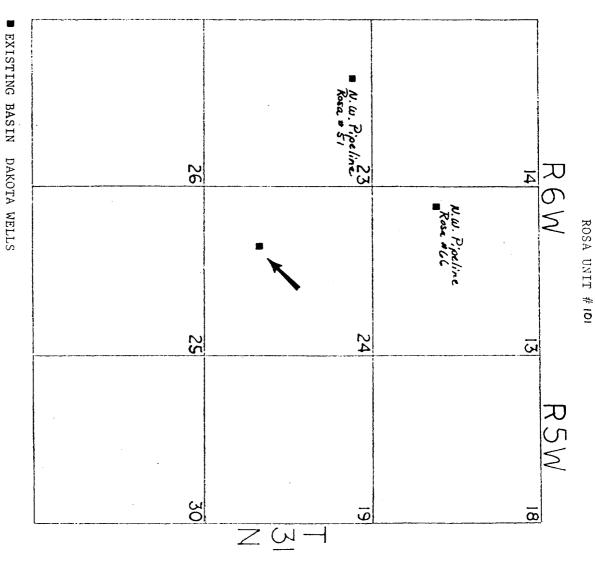
Amoco's standard blowout prevention will be employed (see attached drawing).

Remarks:
3' cut off top



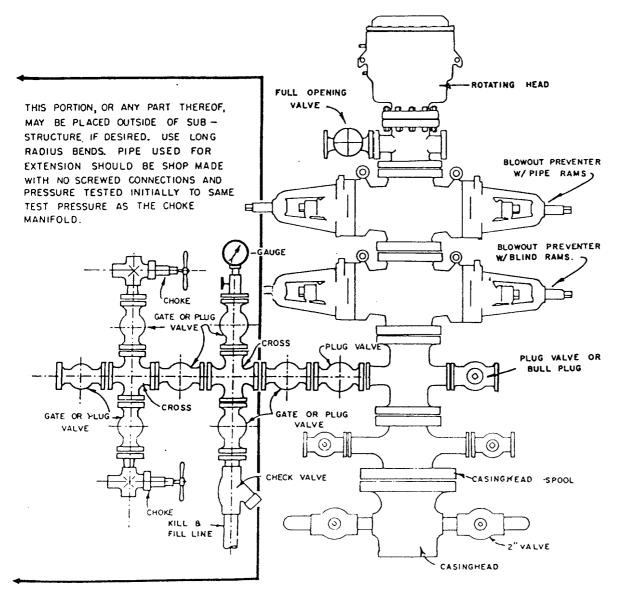
APPROXIMATELY 1.2 ACRES

Amoco Production Company	scale: 1"=50"
DEFILITING LOCATION SPECIFICATIONS	
kosa Unit Aldi	DRG. NO.



NO UNDES GALLUP WELLS

- 1. 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.

