SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

· ~	30-	OS.	7- E	93	3	5	5	/
5.	LEASE	DESIGN	ATION	AND	SER	IAL	N).

	DEPARTMEN	T OF THE I	NTER	IOR	. 1	5. LEASE DESIGNATION		
		OGICAL SU				SF C 78764		
APPLICATION			- 16 (N OR PLUG	ACK	6. IF INDIAN, ALLOTTE	OR TRIBE NAME	
a. TYPE OF WORK		T /	DE	. 1002		7. UNIT AGREEMENT N	AME	
	L X	DEEPEN		PLUG BAC	.K [_]	Rosa Unit		
O. TYPE OF WELL OIL GAS WELL WE			Oll_0^{sn}	ECH. DIVINE	LE 🛛	8. FARM OR LEASE NA	ME	
NAME OF OPERATOR	J.L C-1 OTHER		<u> </u>	DIST. 3				
Amoco Product:	ion Company					9. WELL NO.	~	
ADDRESS OF OPERATOR						102	On Willoum	
501 Airport D	rive, Farmingt	on, N.M., 8	7401°	to to requirements ()		10. FIELD AND POOL,		
At surface			и виу о	TONGS	,,,	Basin Dakota	BLK.	
1/90	FSL x 900' FF	- L-1	L.	العام العام المن المن المن المن المن المن المن ال	ar L	NE/4 of SE/4	REA	
At proposed prod. zone	same	<u>ئ</u> ي (د	- ده ایکوی	A PLODUPCE ARE	A	T31N, R5W	Jeet Lan 30	
4. DISTANCE IN MILES A	ND DIRECTION FROM NE	AREST TOWN OF TOS	Torrice)*		12. COUNTY OR PARISE	13. STATE	
	of Gobernador					Rio Arriba	N.M.	
5. DISTANCE FROM PROPOS LOCATION TO NEAREST	SED*		16. NO	. OF ACRES IN LEASE	то т	OF ACRES ASSIGNED HIS WELL		
PROPERTY OR LEASE LI (Also to nearest drlg.		900'		2507.3		320/160		
S. DISTANCE FROM PROPO TO NEAREST WELL, DR	OF INC. COMPLETED	(0001	19. PR	OPOSED DEPTH	1	ROTARY OR CABLE TOOLS		
OR APPLIED FOR, ON THIS	S LEASE, PT.	6028 ' DRILLING OF	Section 1	8000'		22. APPROX. DATE W	OBK WILL START*	
1. ELEVATIONS (Show when	ther DF, KT, GK, etc.)	SUBJECT TO		SOF WITH ATT	ACHED		spermitted	
6415 GL		"GENERAL	REQUIE	CEMENTS" CEMENTING PROGR.	AM DT	AS SOUR A	THE ARE	
		PROPOSED CASI	AW ANI				ATTACHED	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER I	T005	SETTING DEPTH		ERAPPARTITE DE CHI		
17 ½"	13 3/8" 4 ½"	48# H40		400' 8000'	- 1	u ft Class G w to surf.	12/2 Caul.	
7 7/8"	4 2	11.6# K55		0000		70 cu ft Clas	s G 50:50	
					1 '		00 cu ft	
						G 65:35 POZ c		
						in both stages		
						Class G neat.		
		, ,,,				ol set at 5735		
moco proposes	to drill the	above well t	illod	ther develop t to the surface	ne bas casin	a noint using	native	
allup reservoi	rs. The Well	will be di. drilled to 1	LITEG	th a low solids	non-d	ispersed mud s	system.	
nud. The well Completion desi	on will be ba	sed on open	hole	logs. Copies	of all	logs will be	filed	
pon completion	. Amoco's st	andard blow	out p	revention will	be emp	loyed; see att	ached	
rawing for blo								
							and loveled	
Jpon completion	, the well lo	cation will	be c.	leaned and the	reserv	e pit lilled a	ind levered.	
Gas produced fr	cam this wall	ic not dedi	rated					
				· dug back, give data on t	nresent are	ductive some and broto	sed now productive	
N ABOVE SPACE DESCRIBE one. If proposal is to c reventer program, if any	drill or deepen directic	mally, give pertine	at data	on subsurface locations a	and measur	ed and true vertical det	oths. Give blowent	
	gia ja ja tera tiy							
SIGNED	D.D. L83.1		ITLE Di	st. Adm. Superv	visor	A POD	ÖVED	
	ral or State office use)						SYLD	
				ADDRAWIA DAME		AS AMEN	IDED I	
PERMIT NO.				APPROVAL BATE				
APPROVED BY		т.	ITLE			9561	3 1983	
CONDITIONS OF APEROV						W.	-hares	
						1 Fine	2010 225 X	

UNITED STATES

NMOCC

FARMINGTON RESOURCE AREA

Form C-107 keylsed 10-1-18

STATE OF NEW MEXICO

P. D. BOX 2088

•	S UCPARTMENT	7	A FE, NEW ME	undertes t	I the Section.		
		All distances must	Lease	W10 0 7 1 7 9 1		Wel	II No.
perator			Rosa Ur	nit			102
	UCTION COMPAN	Township	Ræge	110	County		
nit Letter	Section	31N	5W		Rio Arr	iba	
I ctual Footage Loc	30						
1790		South 11n	e and 900	lee	of from the Ea		
round Level Elev:	Producing Fo		P∞l			Dedicated	•
61.15	Dakota	-Gallup	Basin Da	akota-U	Indes. Gall	up 320/	
1. Outline th			ect well by colore				
interest and	nd royalty). an one lease of communitization,	different ownersh		the well	, have the int		
this form i	is "no," list the	owners and trace	type of consolidated the descriptions whint the standard unit, eliminated the standard unit, eli	ch have	actually been	d (by communitize	ation, unitization
sion.							FICATION
			1		-		of the information con ue and complete to th dge and belief.
						Name Darrell D. La	wson
	s	ec.			•	Position District Admit	nistrative rvisor ion Co.
		·	BERLING C				that the well location
			30 	⊚ 	9001	shown on this pla notes of actual s under my supervi	at was plotted from fie surveys made by me sion, and that the sar rect to the best of i
					·	Date Surveyed	7085
			1	1790		Registered Profess and Land Survey	sland Engineer
			1			Fred 3. Ke	Kerry L

Rosa Unit 102

MULTI-POINT SURFACE USE PLAN

1790' FSL, 900' FEL, Sec. 30, T31N-R5W

Rio Arriba County, N.M.

- 1. The attached topographic map shows the proposed route to the location.
- 2. A road, approximately 1000' in length and bar ditched on one side, 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 13-31 (NWPL) approximately $\frac{1}{2}$ mile 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, juniper, pine 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. Blossom

Office Phone: (505) 325-8841

Address: 501 Airport Drive, Farmington, NY 87401

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 October 20, 1983

S: D. Blossom - District Superintendent

SUPPLEMENTAL INFORMATION TO FORM 9-331C

Rosa Unit No. 102 NE/SE Section 30, T31N, R5W Rio Arriba County, New Mexico

The	geological	name	of	the	surface	formation	is	the	San	Jose	

Estimated tops of important potential hydrocarbon bearing formations:

FORMATION	DEPTH	ELEVATION
Pictured Cliffs	3190'	+3210'
Gallup	6465'	-65'
Dakota	7690 '	-1290 1

TD 8000' -1600'

Estimated KB elevation: 6428.

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:

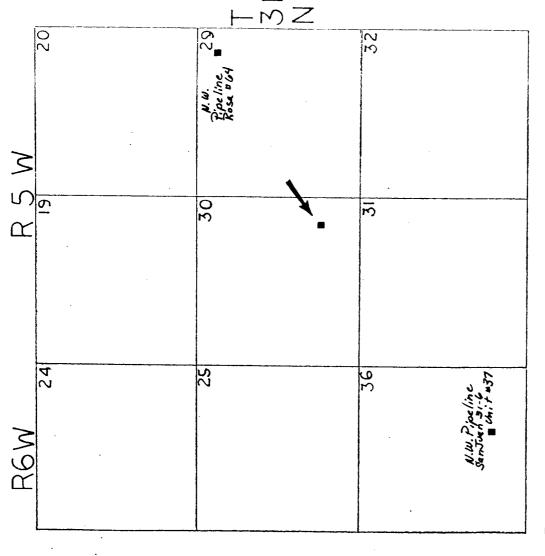
DIL-SP-GR CNL-FDC-GR

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 5 weeks.

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

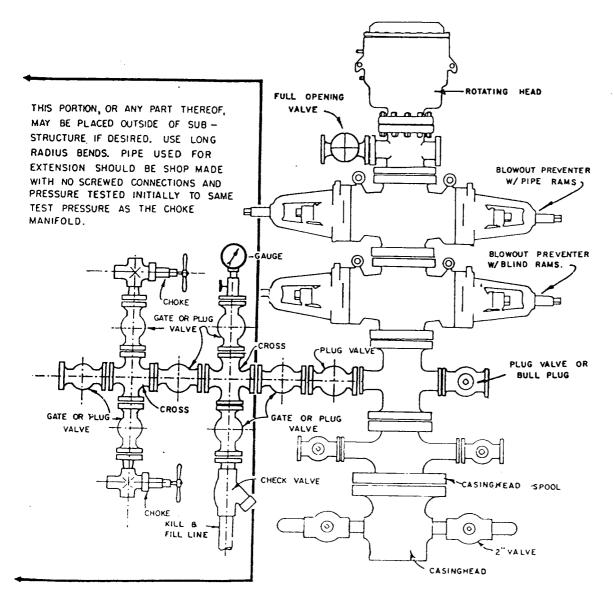
Remarks: 6' cut on South BLOW PIT 30' 175' 135'-_WELLHEAD LOCATION - 125' RESERVE PIT 5' DEEP 125' 150' 8' X 16' TRASH PIT APPROXIMATELY 1.2 ACRES Amoco Production Company scale: 1"=50' DRILLING LOCATION SPECIFICATIONS Rosa Unit 102



■ BASIN DAKOTA WELLS

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.



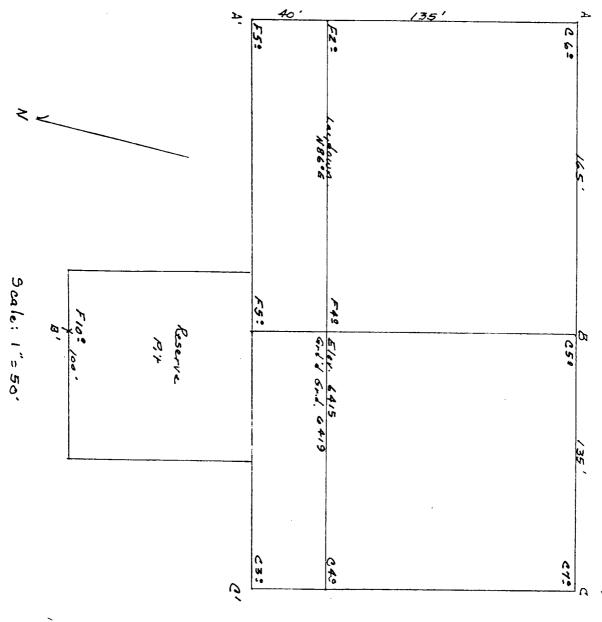
BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT 0-4

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.



Profile for AMOCO PRODUCTION COMPANY 1790'FSL 900'FEL Sec. 30-RIO ARRIBA COUNTY, NEW ME

