# SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

# UNITED STATES DEPARTMENT OF THE INTERIOR

77	24 6	~ ~	0.25
-50-	095		15%
5. LEASE	DESIGNATION	AND BERI	AL NO.

GEOLOGICAL SURVEY						NM 5460				
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
1a. TYPE OF WORK										
DRILL DEEPEN PLUG BACK 7. UNIT AGREEMENT NAME								6		
b. Type of well  OIL GAS SINGLE MULTIPLE ZONE ZONE							8. FARM OR LEASE NAME			
2. NAME OF OPERATOR							Rayno Federal			
Southern Union Exploration Company 9.							9. WELL NO.			
3. ADDRESS OF OPERATOR 75270 Suite 1800, First International Bldg., Dallas, Texas										
Suite 1800,	First Interna	ational B	ldg.	, Dalla	s,Tex	as -	10. FIELD AND	A		
							Wildcat			
1650' FNL, 990' FEL, SEC. 7, T25N, R13W							SECO TO TO TO THE RESULT OF THE SECOND SECON			
14. DISTANCE IN MILES A	IND DIRECTION FROM NEAF	EST TOWN OR POS	T OFFICE	;•			12. COUNTY OR PARISH   13. STATE			
25 miles sou	th of Farming	rton N M					San Juar	,	N.M.	
15. DISTANCE FROM PROPO	SED*	, com, 14.11		. OF ACRES IN	LEASE		OF ACRES ASSIGNED			
PROPERTY OR LEASE L (Also to nearest drlg	LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)			160			TO THIS WELL 160			
18. DISTANCE FROM PROPOSED LOCATION 19. PROPOSED DEPTH 20. OR APPLIED FOR, ON THIS LEASE, FT.			1	Rotary						
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)	:	<del></del>				22. APPROX. D	ATE WORK	WILL START*	
				6383' (	GR		April 15, 1978			
23.	P	ROPOSED CASI	NG AND	CEMENTING	G PROGRA	M.				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	!	SETTING I	EPTH		QUANTITY OF	FCEMENT		
6 1/4	5 1/2 (new)		.00	100		To surface				
4 3/4	2 7/8 (new)	6	1400			To surface per caliper			iper log	
							•			
Operator proposes to drill a Pictured Cliffs test at this location. The Fruitland formation is estimated at 750' and Pictured Cliffs at 1200'. The well will be drilled with mud of 8.5 lb/gal weight, 35 viscosity and less than 10 cc fluid loss. The completion will be determined from open hole logs. No abnormal pressures or temperatures are anticipated.										
							MAR O'L CO	9 1978 <sub>N. COM</sub> ST. 3	.)	
IN ABOVE SPACE DESCRIBE zone. If proposal is to preventer program, if ap-	drill or deepen directions	proposal is to dee	pen or p t data o	lug back, give n subsurface l	data on processions ar	resent prod	luctive zone and	proposed n	ew productive	
24.	// 11		Ar	ea Mana	ager					
BIGNED	and !	Agent T	TLE Mi	nerals	Manag	ement	DATE	3-8-	78	
	ral or State office use)						* * * * * * * * * * * * * * * * * * * *			
PERMIT NO.	r			APPBOVAL DAT	Е					
	·									
APPROVED BYCONDITIONS OF APPROV	AL, IF ANY:	TI	TLE				DATÉ			

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

		All distances	must be from	the outer bounds	ries of	the Section.		
perator			Le	250		<del></del>		Well No.
Southern Un	nion Exporati	on Co.		Rayno-Fed	eral			1 1
nit Letter	Section	Township		Range		County		·
H	7	25N		13W	-	San Juan		
ctual Footage Lo	cation of Well:					V 11314	<del></del>	
1550	feet from the	lorth .	line and	990	feet	from the East		line
round Level Elev	Producing F	ormation	Poc	ol	-		Dedic	ated Acreage:
6 <b>3</b> 83	Pictur	ed Cliffs		Undesigr	nate	d	1	160 / Acres
	he acreeze dedi	cated to the av	hiect wall	by colored	ncil c	r hachure marks a	n the al-	
1. Outline ti	1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.							
	han one lease i	s dedicated to	the well, o	outline each a	nd ide	ntify the ownershi	p thereo	t (both as to working
	communitization,	unitization, for	rce-pooling.	etc?		have the interests		owners been consoli-
		,	, 7,5					
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)								
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.								
		J868.0	iooso.			ZĄ.	CEI	RTIFICATION
		l , 1		1		2		
}	ı	]	<b>S</b>	1 1		I here	by certify	that the information con-
	1	l		; <u>-</u>		taine	d herein ja	s true and complete to the
	l			1650		.70	-/	vledge and belief.
[ !	1	. !		1 3			1/2	y 1. x = 1
		1				_\$ · <u> </u>	11	and
	1		7		9901	Nome		_ ~
	I	•	7	<b>\                                    </b>	770.	W. E		dry ~
	1	,	7	l		Positio		
	1	'	<b>S</b>			Area	Mana	ger
	1	1	Š	ı		Compan		
		Sec					rals	Management Inc
	1		T7	I		Date	70	
	1			i		3-8-	/ B	
	•	1						
	ł			ŀ				
	1	İ		1		I her	eby certif	fy that the well-location
L :		<u> </u>				show	on this p	olat was plotted from field
		1				notes	of actua	l surveys made by me or
	I	1		Bar All		under	my super	vision, and that the same
	1	l				is tr	ue and co	orrect to the best of my
	I	ı	1/33 - 4.	56 " Lo )	4	know	ledge and	belief.
	1	1	N. A.	31				
L	1	5884	<b>RC</b> 1		+		<u></u>	Name of the second second
		~66 <b>7</b>				i	rveyed \	10000 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1
_	30.50 30 30			1		<del></del> -,	ch 7,	<del>,</del>
5	SCALE: 1"=132		* ~.	······································			Land Surv	sslond Engineer
						Certific	ate No.	EWINE .
						395	<del>01, 75</del>	-FORM 24-11

DEVELOPMENT PLAN FOR SURFACE USE

SOUTHERN UNION EXPLORATION COMPANY

RAYNO FEDERAL WELL NO. 1

1650' FNL, 990' FEL, SEC. 7, T25N, R13W

SAN JUAN COUNTY, NEW MEXICO

# 1. Existing Roads

The main road serving the area is the Bisti Trading Post road as shown on the attached topographic map.

#### 2. Planned Access Road

As per the topographic map, approximately 500 ft. of new road will be built to the location. Existing trails will be improved.

#### 3. Location of Existing Wells

There are no nearby producing wells. One abandoned well is shown on the topographic map.

#### 4. Location of Proposed Facilities

Will not be required for the prospective gas production.

#### 5. Water Supply

Water will be hauled to location from the San Juan River.

# 6. Source of Construction Materials

Not applicable.

# 7. Methods of Handling Waste Disposal

All garbage and trash that can be burned shall be burned. All trash that cannot be burned will be contained in a trash pit and covered with a minimum of 4' of dirt. All production waste such as cuttings, chemicals, overflows of oil, water, and drilling fluids shall be contained in the reserve pit and on completion of drilling activities buried with a minimum of 4' of cover. The reserve pit will be fenced until the liquid wastes have dried adequately and cleanup operations are commenced. A portable toilet will be provided for human waste.

### 8. Ancillary Facilities

There are no ancillary facilities planned for this location.

### 9. Wellsite Layout

See attached location layout plat.

# 10. Plans for Restoration of Surface

Cleanup of the well location will commence immediately following the removal of the drilling equipment. The reserve pit will be fenced until adequately dry to permit cleanup and reseeding in compliance with BLM stipulations. Land no longer needed after drilling operations will be restored and reseeded as above.

#### 11. Other Information

Impact on the environment will be minimal. The access road and well location are on sparsely vegetated land and minimum disturbance will be required.

# 12. Operator's Representative

Mr. James G. Ellis, Southern Union Exploration Company, Suite 1800, First International Building, Dallas, Texas 75270.

# 13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which 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 Southern Union Exploration Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

March 8, 1978

Date

W. E. Landry

Area Manager

Scientific Software Corporation Minerals Management Division

Company

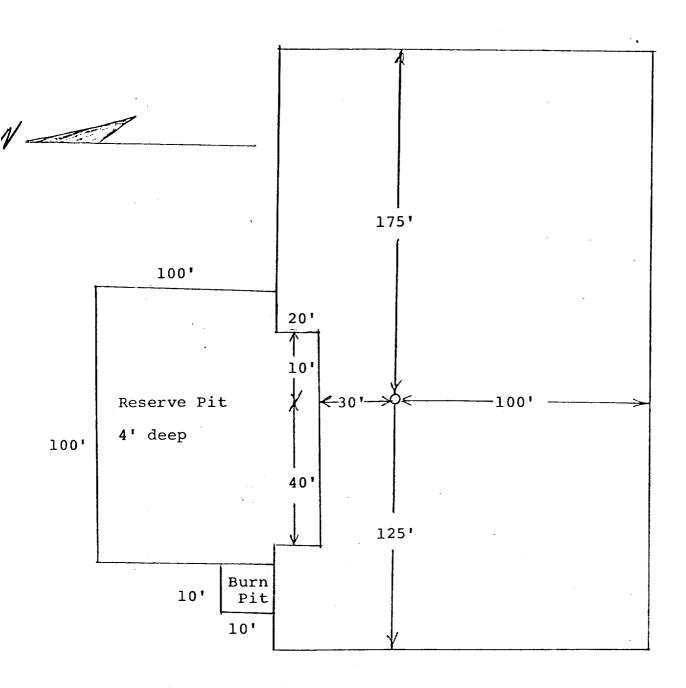


DIAGRAM OF WELL LOCATION

