# SUBMIT IN TRIPLICATE\* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

## UNITED STATES DEPARTMENT OF THE INTERIOR

	5. LEASE DESIGNATION AND SERIAL NO.								
	N.M.28733								
APPLICATION	6. IF INDIAN, ALLOTTEE OR TRIBE NAME								
	L XXRe-enter	DEEPEN 🗌		PLUG BAC	к 🗆	7. UNIT AGREEMENT NAME			
D. TYPE OF WELL OIL WELL WE	S. FARM OR LEASE NAME								
2. NAME OF OPERATOR						Yarborough-Federal			
Southern Un	ion Explorati	on Compan	У			1			
Suite 400,	Texas Savings	Bldg., 1	217	Main St. Da	llas	10. FIELD AND POOL, OR WILDCAT			
4. LOCATION OF WELL (Re At surface 1840 FSL an	Wildcat Gallup 11. sec., T., B., M., OR BLK.								
At proposed prod. zone				10%	31	AND SURVEY OR AREA  3- 23N-6W			
Same	ND DIRECTION FROM NEAR	DOM TOWN OF BOST	OFFICE	10	148.2	12. COUNTY OR PARISH   13. STATE			
			014,102		CARA TAN	Rio Arriba N.M.			
15. DISTANCE FROM PROPO	Counselors,	iV . IVI .	16. No.	OF ACRES IN LEASE	17. NO.	OF ACRES ASSIGNED			
LOCATION TO NEAREST PROPERTY OR LEASE L	INE, FT.	0/101		521:28	1 .	¥Ω ************************************			
(Also to nearest drlg	OSED LOCATION*	840'		DOSED DEPTH	20. ROT.	TARY OR CABLE TOOLS			
TO NEAREST WELL, DI OR APPLIED FOR, ON THI	HLLING, COMPLEXED,		1.5	623 PBTD	Com	pletion Rig			
21. ELEVATIONS (Show who	ther DF, RT, GR, etc.)		5			22. APPROX. DATE WORK WILL START*			
6778 GL.						5-20-81			
23.	P	ROPOSED CASING	AND	CEMENTING-PROGRA	M T				
SIZE OF HOLE	SIZE OF CASING .	WEIGHT PER FOO	т	SETTING DEPTH	۽ تو غ	1 BU ILA BO OF S-111 R.			
17출"	13 3/8"	48#		308 <b>'</b>	300				
124"	8 5/8"			4318'	1750				
8 3/4"	5 1/2"	15/5#		6674'	625	sx-top @ 4780'			
Union Explodrill out to well to pro A blow  IN ABOVE SPACE DESCRIB ZONE. If proposal is to	eration Co. in the cement plus duction if eduction if eduction if eduction if eductions are recorded to the control of the con	ntends to ags , test conomical. er will be	re- th us	enter well vel enter well vel enter well vel enter well vel enter seed and check	rmatio	JUNI 1961 OIL COM. COM. DIST. 3			
preventer program, if at 24.	Ma la					£ £ 81			
SIGNED TO Fad	eral or State office use)	717	.E	Agent		DATE			
						TAPPILLVED			
CONDITIONS OF APPRO	VAL, IF ANY:				Ì	Market and a second second second			

et 3-

MAY 9 0 1981 For J. As F. SIMS DISTRICT ENGINEER

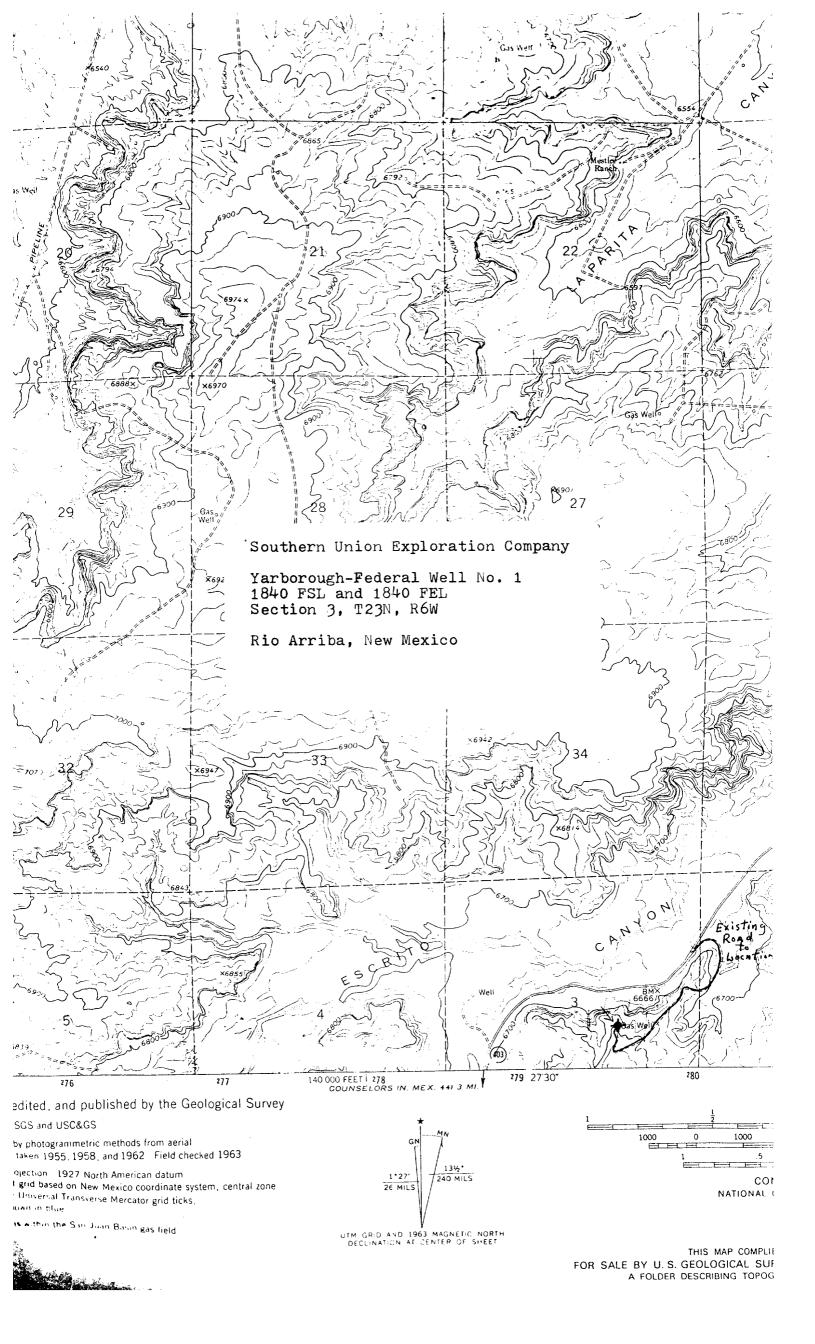
### OIL CONSERVATION DIVISION

STATE OF NEW MEXICO	P. O. BOX	2088	7501	Form C-10 Revised 1
	must be from the cute			•
	Lease			Well No.
erator Southern Union Exploration	Co. Yarb	orough-Fe	deral	1
it Letter Section Township	Range		County	
	3N	6W	Rio Arrib	a
ctual Footage Location of Well:			from the East	line
1840 feet from the South ound Level Elev: Producing Formation	line and 1840	teet	from the East	Dedicated Acreage:
6778 Gallup		Wildcat_		40 <b>Acres</b>
1. Outline the acreage dedicated to the	subject well by co		hachure marks on t	he plat below.
If answer is "no," list the owners and	nership is dedicate force-pooling. etc?	d to the well,	have the interests o	f all owners been consol
this form if necessary.)  No allowable will be assigned to the w forced-pooling, or otherwise) or until a sion.	ell until all interes non-standard unit, e	ts have been o	consolidated (by conh interests, has bee	mmunitization, unitization approved by the Commis
		ĺ		of all and the made an
				certify that the information co perein is true and complete to t
		1000	1 1	my knowledge and belief.
	/ 41/1	A Laboratory	<b>\</b>	111
		19 1981	Name	40111
	<del> </del> - J(#	ICON. COM	1 Jue	t. allodge
ı	OIL	DIST. 3	Position	Agent
1			Company	Agenc
1			So.	<u>Union Exploratio</u>
!		1	Date	
		1		6-16-81
	ا کی در اساس در اسال			
1	;		1 herel	by certify that the well-locate
				on this plat was plotted from fi
		1040		of actual surveys made by me
	φ	1840'		ny supervision, and that the sa and correct to the best of
			1 1	dge and belief.
		L		
		1		
i		1	Date Sur	veyed
i	18 40'	1	Benister	ed Professional Engineer
ı	10 1	1	1 1 .	and Surveyor
'			1 1 🛥	
'			1 250	abkirish
 		1	Fred	B. Kerr Jr.

## MEA MEXICO CIL CONSERVATION COMMISSION

Well Eccation and Acreage Dedication Plat

Section A.	Date September 10, 1957
Operator THE TEXAS CO.PACT Leas	e Yarborouch - Federal
Hell Mo. 1 Unit letter J Section 3 Located 1840 Feet From the SOUTH Line, County RIO ARFIBA G. L. Elevation 6778, Lume of Producing Formation Travetur L. Is the Operator the only owner* in the dedi	O Dedicated Acreage 40 acres
Yes w No  2. If the answer to question one is "no," have consolidated by communitization agreement on "yes," Type of Consolidation  3. If the answer to question two is "no," list below:  Re	r otherwise? Yes No . If answer is
Cwner	Land Description
Section.B	\$ 70 07% COM
	This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.
JUNII 1981 OIL CON. COM. DIST. 3	The Texas Company (Cperator)  Division Civil Engineer (Representative)
3	P.O. Box 1720 Fort Vor h. Texa
VARBOROUGH-LOUTEAL  TTOO. Lease  Cot. Link, 20 Ac.  40 Ac.	This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and balief.  Date Surveyed 6 SUPPERS 1957
	Engineer and/or Land Surveyor.



NE OF COPIES RECEIV	10			/	management that may may		i sa. 5-16 i evite i l	
SANTA FE FILE U.S.G.S.	WE	NEW MEX LL COMPLETIC	ICO OIL CO DN OR REC	NSERVATION COMPLETION	CONTESTON REPORT AN		State	gre in Neme Pee X Inc Lean-Ma.
LAND OFFICE CPERATOR					709 1981	1/1/1	28733	
id. TYPE OF WELL	OIL (	X GAS WELL	DRY	OIL	CON COM	7		ment II ime
NEW WO OVE	як (	PLUG BACK	DIFF. RESVR.	OTHER	Re-entry	Yaı	arm or Le rborou eli iio.	gh Federal
Southern Uni	on Expl. Co.	of TX.			75	202	Neig and	Pool, or Wildoat
Suite 400, T	exas Fed. Sa	vings Bldg.,	1217 Ma	in St., D	allas, Texa	as Wi		Gallop
UNIT LETTER J	LOCATED 18	10 FEET FROM T	HE South	LINE AND	1840 FE	ET FROM		
	16, Date T.D. Ress	23N RGE 6	NME Si. (Ready to	Prod.) 18. E	ievations (DF, RA	Ric		ev. Cashinghead
10/30/57 20. Total Depth	12/24/57   21. Plug 5		22. If Multi:	le Compl., How		, Rotary Tos.	678	81' Cable Tools
6885 1		5221	Many		Drilled B	У   X	 	
5304' - 561	8' Gallon						23.	Was Directional Survey Made Yes
26. Type Electric and C	tner Logs Ruh O <b>n, Spectra l</b>	one and CD/1	CDI /CNI /	C()			27. Was	Well Cored
28.	on, specera i	CASING I	RECORD (Re	oort all strings	set in well)		1	
CASING SIZE	WEIGHT LB./FT	DEPTH SET		LE SIZE		NG RECORD		AMOUNT PULLED
9 5/8"	36 & 40#	4319'		1211	360sx - c 1750sx - T			
5 ½ "	15.5#	6674'	8	3/4"	625sx - T			
23.	LINE	R RECORD			30.	TUBIN	G RECOR	D
SIZE	TOP	BOTTOM SAC	KS CEMENT	SCREEN	SIZE	DEPTH S		PACKER SET
					2 3/8"	5599	-	-
Previous Perfs:				31. A	CID, SHOT, FRA	CTURE, CEME	NT SQUE	EZE, ETC.
New Perfs: 5304			.08'.10		- 85'			acetic acid
14',5417',19',21	',23',25',27	' <b>',</b> 34',36',38	3',40'(1s	PF) 5501	- 56181	Frac w/3	7,000#	of 20/40
5501, 50',52',54',56',	. 03',05',31' 58' 60': 561	,32',33',44'	,46',48	5304	- 5440'	<u>sand &amp; 3</u>	1,812	gal. of foam
33.			PRO	UCTION				acetic acid TTACHED)
Late First Production 7/29/81	_	n Method (Flowing,	gas lift, punq	ping = Size and	type pump)	Wel	l Status (1	Prod. or Shut-in)
I ate of Test	Hours Tested	lowing Chose Size   Er.	I'r. For	Cil − Hbl.	Gas = MCF	Water = Bi	<u>Shut-i</u> ∍. ∣G	n as = Cil Ratio
8/28/81 Flow Tubing Press.	24	3/4" —	ot Feriod	38	70	20		1842
0	Casing Fressure	Calculated 24- 5-11 Hour State	- BEL.	Gas = M3	1	— Bbl. 20		8.4 <sup>0</sup>
34. Eisposition of Gas /		ented, etc.)			<u>-</u>	Test Sitne		0.4
Vented						Conra	d Appl	edorn
. I hereby certify that	the information stou	non oth sides of t	his form is tri	e and complete	to the best of my	Inoutedge and	helvef.	
SIGNED Pat	b. Hanell		TITLE Dr	lling & F	roduction	Eng. DATE	0ct	ober 13, 1981

#### INSTRUCTIONS

This form is to be filed with the appropriate District Office at the Combussion and later than 20 days after the completion of any newly-inflied or deepened well. It shall be accomplished by one copy of all elements and reflect and on the well and resume a fall specific tests conducted, including a full stem tests. All depths seported shall be measured ingits. In the case of directionally inflied wells, true vertical methods also be reported. For multiple congletions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate exception at the land, where dix captes are required. See Bule 1105.

### INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

#### Southeastern New Mexico Northwestern New Mexico T. Anhy \_\_\_\_\_ T. Canyon \_\_\_\_\_ T Ojo Alamo \_\_\_\_ T. Penn. "B" T. Salt \_\_\_\_\_ T. Strawn \_\_\_\_\_ T. Kirtland-Fruitland \_\_ T. 7 Rivers T. Devonian T. Menefee T. Madison T. Queen T. Silurian T. Point Lookout 4290' T. Elbert T. Grayburg \_\_\_\_\_ T. Montoya \_\_\_\_ T. Mancos \_\_\_ \_\_\_ T. McCracken \_\_\_\_ T. San Andres \_\_\_\_\_ T. Simpson \_\_\_\_\_ T. Gallup \_\_\_\_\_ 55301 T. Ignacio Qtzte T. Glorieta \_\_\_\_\_\_ T. McKee \_\_\_\_\_\_ Sase Greenhorn \_\_\_\_\_6510' T. Granite \_\_\_\_\_\_ T. Paddock T. Ellenburger T. Dakota 6517' \_\_\_ T. \_\_ T. Blinebry \_\_\_\_\_ T. Gr. Wash \_\_\_\_\_ T. Morrison \_\_\_\_ \_\_ T. \_\_ T. Granite \_\_\_\_\_\_ T. Todilto \_\_\_\_\_ T. T. Tubb \_\_\_\_ T. Delaware Sand \_\_\_\_\_\_ T. Entrada \_\_\_\_\_ T. \_\_\_ T. \_\_\_\_ T. Drinkard T. Abo \_\_\_\_\_\_ T. Bone Springs \_\_\_\_\_ T. Wingste \_\_\_\_\_ T. T. Wolfcamp \_\_\_\_\_\_ T. \_\_\_\_\_ T. Chinle \_\_\_\_\_ T. T Cisco (Bough C) \_\_\_\_\_ T. \_\_\_ T. Penn "A"\_\_\_\_\_\_ T. \_\_\_\_\_ T. \_\_\_\_

#### FORMATION RECORD (Attach additional sheets if necessary)

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Formation
2152' 3624' 4290' 5530' 6288' 6517'	3624 ' 4290 ' 5530 ' 6288 ' 6517 ' 6885 '	1472' 666' 1240' 758' 229' 368'	Pictured Cliffs Cliff House Point Lookout Gallop Greenhorn Dakota				

#### Attachment to Form C-105:

NOTE: This well was drilled in 1957 by the Texas Company to a depth of 6685'. It was tested from perfs @ 6516'-6530' and produced from perfs @ 5540'-5585'. The well was plugged and abandoned on December 31, 1962. Southern Union Exploration Company of Texas has re-entered the well, drilled out the cement plugs and recompleted in the Gallop formation.

32. Acid, Shot, Fracture, Cement, Squeeze, etc. - continued

Depth Interval

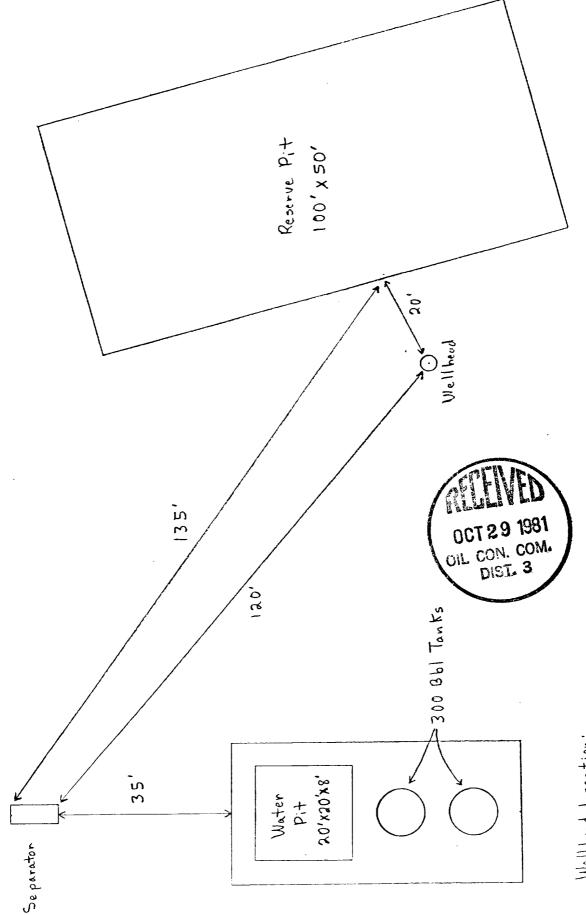
Amount & Kind of Material Used

5304' - 5440'

Frac w/27,500# of 20/40 sand, 6000# of 10/20 sand

and 21,086 gal. of foam





Wellhend Location: Unit Letter J, 1840'FSL4 1840'FEL, Scc. 3, T23N, Rle U) State Oil Lease NM 28733 Rio Arriba County, New Mexico