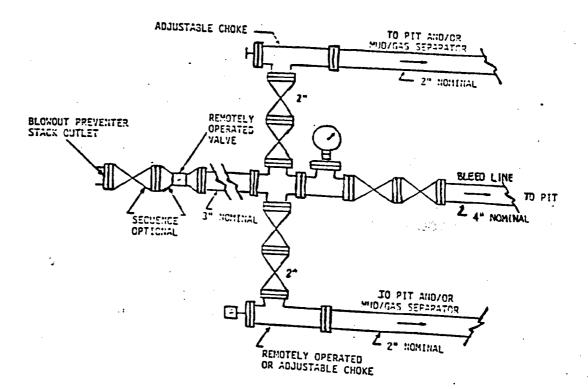
Form 9-881 C (May 1968)			SUBMIT IN	'LICATE'	Form app	proved. ureau No. 42-R1
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b. Tipe of wall	DRILL LA	DELITER	_ FLOG BA		n gå 🤌 🖟	: 22 B
OIL	GAS WELL OTHER		SINGLE DE MULTII	PLE .	8. FARM OR LEASE	NAME
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	oration & Product	tion Company			9. WILL NO.	2 4 8
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Unit let	ter 0, 990' FSL 1	1980' FEL	ARTESIA, OFFIC	CE W	11. SEC., T., B., M., AND SURVEY O	B AREA
At proposed prod	. sone				35, 18-S,	24-2
14. DISTANCE IN MI	LES AND DIRECTION FROM N	EAREST TOWN OR POST	OFFICE*		12. COUNTY OR PAI	
10 miles	WSW from Dayton,	NM	V	111	Eddy	. NM
15. DISTANCE FROM : LOCATION TO NE	PROPOSED*	I	16. NO. OF ACRES IN LEASE] 17. NO. OF	ACRES ASSIGNED	
PROPERTY OF LE	AREST ARE LINE, FT. t drlg. unit line, if any)		320		18 WELL	crices 63811 11 (2h)
18. DISTANCE FROM	PEOPOSED LOCATION®		19. PROPOSED DEPTH	_1	Y OR CABLE TOOLS	3 2
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23.		PROPOSED CASIN	G AND CEMENTING PROGR.	AM E		11 E
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			POST 10-1	7 J		
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sone. If proposal is		f proposal is to deep nally, give pertinent	7-29-88 en or plug back, give data on p data op subsurface locations an	resent produ	ctive sone and pro and true vertical d	posed new produc lepths. Give blow
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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 boundaries of the Section

			1				
Sun Exploration & Production Co.			Penasco Draw Federal			Well No.	
Unit Letter Section Township		Romge		County			
. 0	35	18 South	24 E	ast	E	ddy	
Actual Footage Loc	ation of Well:						
	990 feet from the South line and 1980 feet from the east line						
Ground Level Elev. 3716.5	Producing Form Undesigna	ited Morrow	Wildcat	ENASCO	DRAU.	11)0EROUP 320	nted Acreage:
1. Outline th	e acreage dedicat	ed to the subject we	ell by colored	pencil or	hachure	marks on the plat	
•	_					·	
	2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).						
		fferent ownership is nitization, force-pooli		the well, h	ave the i	nterests of all ov	vners been consoli-
X Yes	No If an	swer is "yes," type o	f consolidation	on Commu	nitize	south half w	with Chevron,
	is "no," list the c f necessary.)	wners and tract desc	riptions whic	h have act	ually bee	n consolidated. (l se reverse side of
	•	d to the well until all	interests ha	ve been co	onsolidate	ed (by communiti	zation, unitization,
	ling, or otherwise)	or until a non-standar	d unit, elimin	ating such	interest	s, has been appro	ved by the Commis-
sion.							
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TEN POINT DRILLING PLAN FOR PENASCO DRAW FEDERAL NO. 1 IN COMPLIANCE WITH ORDER NO. 1

SUN EXPLORATION AND PRODUCTION COMPANY PENASCO DRAW FEDERAL NO. 1 SEC. 15, T-18-S, R-24-E 1980' FEL & 1320' FSL, EDDY COUNTY, NEW MEXICO

1. <u>GEOLOGIC SURFACE FORMATION:</u> Quatenary

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

San Andres	620
Glorieta	1950
Wolfcamp	5230
Strawn	7684
Morrow	8707

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS Formations possibly productive of oil or gas are indicated with an asterick (*) above in Section 2.

4. PROPOSED CASING PROGRAM

Size	Casing Seat	<u>Footage</u>	Grade	Wt & Thread		
13-3/8"	400'	400'	K-55	54.5#	STC	
8-5/8"	2100'	2100'	K-55	24.0#	STC	
5-1/2"	9000 '	500' 7500' 1000'	K-55 K-55 K-55	15.5# 15.5# 17.0#	LTC STC STC	
2-7/8"	9000'	9000'	J-55	6.5#	8rd EUE	

PROPOSED CEMENTING PROGRAM

13-3/8" Cemented to surface w/ 425 sx Class "C" + 2% Cacl² + 1/4#/sx Flocele

8-5/8" Cemented to surf w/ 500 sx Lite + 1/4#/sx Flocele followed by 125 sx Class "C" Neat

5-1/2" Cemented to 6000' w/ 600 sx 50/50 Poz "H" + 2% Gel + 2% KCL + .3% TF-4 + .5% Fluid Loss Additive

Cement volumes adjusted by calipers for 8-5/8" & 5-1/2" casing strings.

Penasco Draw Federal No. 1 Ten Point Drilling Plan Page Two (2)

5/6 BOP & AUXILLARY EQUIPMENT

BOP and choke are set up as indicated on Exhibits #D-1, and #D-2.

Accumulator volume will be sufficient to provide repeated open and closing of preventers.

A drill string and drill collar safety valve in the open position will be kept on the rig floor at all times during drilling operations.

An upper and lower kelly cock will be used.

The hole will be kept full and fill volumes will be monitored on all trips.

Mud logging unit to be in service from 2100' - TD.

TEST PROCEDURE AND DRILLS

Ram type preventers will be tested to rated W.P. or 70% of casing burst, whichever is less.

Annular type BOP will be tested to 50% of W.P.

Pipe rams will be operated once each 24 hrs, and blind rams will be operated on each trip.

Approved close-in procedure to be posted on rig floor.

Each rig crew to hold weekly BOP drill.

7. TYPE AND MUD SYSTEM CHARACTERISTICS

From	То	Туре	Wt VIS	Wtr Loss
	400	Frsh wtr, gel & lime	$8.4 - 8.8 \overline{28 - 34}$	NC
400	2100	Frsh wtr, gel & lime	8.4 - 8.8 28 - 34	NC
2100	6500	Frsh wtr, gel & lime, ASP - 700	8.4 - 8.8 28 - 32	NC
6500	8500	Frsh wtr, gel, caustic ASP - 700	8.6 - 9.0 30 - 34	10
8500	TD	Same/add 2% KCL from 8500' to TD, 100 ppm nitrates	8.6 - 9.0 32 - 36	10

LCM may be used through all intervals for hole cleaning & controlling seepage.

8. TESTING PROGRAM

Possible DST's 6500'-TD as dictated by shows. Such tests, if necessary, will be conducted under prudent industry practices.

Penasco Draw Federal No. 1 Ten Point Drilling Plan Page Three (3)

8. TESTING PROGRAM (cont'd)

Open hole logs planned - Schlumberger CNL/LD/GR/CAL 2100 - TD* DLL/MSFL 2100 - TD* BHC/GR 2100 - TD*

GR log will be ran from surface to TD. Other logs and logging intervals at wellsite geologist discretion.

9. POTENTIAL HAZARDS

No H²S or abnormal pressures are anticipated. Maximum mud weight is anticipated to be 9.0 PPG.

10. ESTIMATED STARTING TIME

Anticipate starting operations as soon as possible, subject to approval of this permit.

SUN EXPLORATION & PRODUCTION CO.

PENASCO DRAW FEDERAL #1

SEC. 35, T-18-S, R-24-E

990' FSL, 1980' FWL.

EDDY COUNTY, NEW MEXICO

