CC Y TO O. C. C.

UNITED STATES

SUBMIT IN TRIPLI

30-025-27090

1980

(Other instructions ... reverse side)

Form approved. Budget Bureau No. 42-R1425.

	DEPARTMEN'	T OF THE INTER	RIOR		5 PASE DESIGNAT	CION AND SERIAL NO.
	GEOLO	GICAL SURVEY				
APPLICATION	N FOD DEDMIT	TO DRILL, DEEP	EN OP DITI	C DACK	6. IF INDIAN, ALLO	1670 5 TTEE OR TRIBE NAME
1a. TYPE OF WORK	1 TOK PERIORI	IO DRILL, DEEP	EN, OR PLU	J BACK	-	
	ILL 🗹	DEEPEN 🗌	PLUG	BACK 🗌	7. UNIT AGREEMEN	T NAME
b. TYPE OF WELL					SEMU	
WELL LE	AS OTHER			NE	8. FARM OR LEASE	NAME
2. NAME OF OPERATOR					SEMU .	Blinebry Tubb A
CONOCO INC	•				- V. WEDE NO.	
	Hobbs, N.M. 88240	a a a		5	10. FIELD AND POO	t on Wyroda
4. LOCATION OF WELL (R	eport location clearly and	in accordance with any	State requirements	}		L, OR WILDCAT
At surface		4)4 <u>/</u>		V _.	11. SEC., T., B., M.,	OR BLK.
/650 FN At proposed prod. zon	L & 990 FWL	r SEP	2:3:1 986		AND SURVEY OF	t AREA
Same		H S Crov	~~		SON 20 7	205 P-38E
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST OF HE	DGICAL SURVE	Ϋ́	12. COUNTY OR PAR	-205, R-38E ISH 13. STATE
		110005,	NEW MEXICO		Lee	NN
15. DISTANCE FROM PROPE LOCATION TO NEARES	r	16. NO	O. OF ACRES IN LEAS		OF ACRES ASSIGNED	
PROPERTY OR LEASE I	g. unit line, if any)				40	
18. DISTANCE FROM PROF TO NEAREST WELL, D	RILLING, COMPLETED,	19. PR	OPOSED DEPTH	20. ROTA	ARY OR CABLE TOOLS	
OR APPLIED FOR, ON TH			6700		Rotary	
21. ELEVATIONS (Show wh			e"		22. APPROX. DATE	WORK WILL START*
3543.5		<u> </u>				
	F	ROPOSED CASING AND	CEMENTING PRO	OGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CE	MENT
17 1/2 "	133/8"	54.5*	1450'		1131 sx.	- CIRCULATE
* 12"4"	9 5/8 "	40 #	4200'		1346 SX	- CRELLATE
8 1/2"	7 "	26#	6700'		538 Sx.	
as a See ar	Blinebry 17	rill a straight subb dual oil	well.			
1101	spers.				er F	
* Interm	ediate csq.	will be run on	ly it sever	e water	HOW is ence	runted. If
" 	<i>J</i>		<i>)</i>	- 	1/ 1921	V Omboliociu
interm	ediate esq. 101	needed, will t	emt. product	INC SHING	W/ /726 3	x. cmf CIRCULATE
	J					
IN ABOVE SPACE DESCRIBE zone. If proposal is to o preventer program, if any 24.	irill or deepen directiona	oroposal is to deepen or pl lly, give pertinent data or	lug back, give data on subsurface location	on present prod as and measure	uctive zone and prop d and true vertical de	osed new productive pths. Give blowout
SIGNED C	Bughen	TITLE	Administrative Sur	pervisor	DATE	9/16/80
(This space for Feder	al or State office use)					
PERMIT NO.			APPROVAL DATE			

CONDITIONS OF APPROVAL, IF ANY: US65-6 NAF4-4 FILE

APPROVED BY Orig. Sgd.) PETER W. CHESTER

Release folder - 2

ACTING DISTRICT ENGINEER

MEXICO OIL CONSERVATION COMMIT IN WELL LOCATION AND ACREAGE DEDICATION PLAT

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

PATRICK

All distances must be from the outer boundaries of the Section Operator Well-No. 113 SEMU BLINEBRY -TUBB "A" CONOCO INC. Township Unit Letter County 20 SOUTH 38 EAST LEA Actual Footage Location of Well: WEST 1650 NORTH leet from the feet from the Ground Level Elev. Producing Formation Dedicated Acreage: 3543.5 Weir Blinebry / Monmont Timbs 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 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). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation. Yes 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. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. ADMINI SUPERVISOR CONOCO 9/16/80 I hernby certify that the well location shown on this plat was platted from field Date Surveyed AUGUST 14, 1980 Registered Professional Engineer on 1/or Loand Surveyor

ATTACHMENT TO FORM 9-331 C APPLICATION FOR PERMIT TO DRILL

Conoco Inc.
SEMU Blinebry-Tubb A No. 113
Sec. 20, T-20S, R-38E
Lea County, New Mexico

- 1. The geologic name of the surface formation is Pleistocene Sand.
- 2. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan.
- 3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on attached Proposed Well Plan.
- 4. The proposed casing program is as follows:
 - 0' 1450' 13 3/8" 54.5 # K-55 STC
 - 0' 4200' 9 5/8" 40# K-55 STC
 - 0' 6700' 7" 26# K-55 LTC
- 5. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to 1,000 psi for 30 minutes when BOP is installed. BOP will be checked when casing string is set and operated daily for checks.
- 6. The proposed mud program is as follows:

 0' 1450' 8.5 9.0 ppg spud mud

 1450' 6700' 9.0 10.0 ppg. salt water gel
- 7. The auxiliary equipment to be used is:
 - (1) kelly cocks
 - (2) floats at the bit
- 8. It is proposed to run GR CAL CNL FDC PDC logs at selected intervals.
- 9. No abnormal pressures or temperatures are expected to be encountered in this well.
- 10. The anticipated starting date is October 1, 1980 with a duration of approximately 21 days.

1 POSED WELL PLAN OUTLINE

WELL NAME: SEMU BLINEBRY-TUBB "A" NO. 113

COUNTY: LEA

LOCATION: 1650' FNL & 990 FWL Sec. 20, T-20S, R-38E

STATE: NM

EST. KB:

<u></u>	T			EST:	GL:	3545 '				
DEPTH	FORMATION	DRILLING	TYPE OF	HOLE		SING	(PPG)	(PPG); O ω ⊢	М	JD
OLI III	TOPS & TYPE Pleistocene	PROBLEMS	FORMATION		SIZE	DEPTH (FT)	RACTUR RADIEX	FORMATION: PRESSURE 4d GRADIENT (O	(PPG)	1
	Water SS	90'-200'	Deviation Geolograph O'-6700'	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CINY	(21)	F 0	E 6. C		
tree					54.5#	ŧ.				
	Rustler Anhy.	1410'		177 11	K-55 STC	and the same of th		8.3	8.5	
Z0 00	Salado Salt	1500'		1/-1/.	213-3/8	\1450'	12-13	8.5	9.0	SPUD
						·	·		·	
3000	Base Salt Yates SS. Seven Rivers D	2640' 2690' blo. 2940'	,							- -
dry	-Queen SS.	3520' Possible water flow 3500'-3900)'		40# K-55					•
	San Andres Dol	4050'		12-1/4	STC 9-5/8	4200'	13-14	9.0- 13	9.0- 13.0	gel_
5200		·								-
	Glorieta SS.	5360'								~
acc	Blinebry Mkr.	5860'	DLL-GR							-
	Drinkard Dolo.	6350' 6660'	FDC-CNL-GR-CAI 4200'-6700' PDC		26# K-55 LTC			less than	9.0-	°21 <i>+</i> −
7000	TD.	6700'	4200'-6700'	8-1/2		6700'				gel
	NOTE: Intermed	iate casing will	be run only i	f sever	e wate	r flow	is end	counter	ed.	_
	1	,	!	. 1	ļ		. 1			

WELL NAME SEMU BLINEBRY-TUBB "A" NO. 113FIELD NMFU

DATE 6/23/80

ELEVATION EST.

GRD 3545'

KB 3557' PROPOSED T.D. 6700'

LOCATION (SURFACE) 1650' FNL & 990' FWL OF SECTION 20 T-20S R-38E

NM

COUNTY LEA

STATE

SPACING

GEOLOGICAL ESTIMATES

ZONE	TOP	CONTENT
WATER SS.	90'-200'	Fresh Water
RUSTLER ANHY.	1410'	_
SALADO SALT	1500'	_
BASE SALT	2640'	_
YATES SS.	2690 '	O, W, G
SEVEN RIVERS DOLO.	2940 '	0, W, G
QUEEN SS.	3520 '	O, W, G
SAN ANDRES DOLO.	4050'//	O, W, G
GLORIETA SS.	53601	O, W, G
BLINEBRY MKR.	5860 '	O, W, G
TUBB SS.	6350 '	O, W, G
DRINKARD DOLO.	6660'	0, W, G

WELL SURVEYS - (List types by code numbers as follows: Directional and/or Deviation (1); Deflection (2); Caliper (3); Temperature (4); Electrical (5); Radioactive (6); Geolograph (7) Photoclinometer (8); Mudlogging (9); Other (10) and name of that type)

DEPTH POINTS	TYPE	HOLE SIZE	REMARKS
0'-6700'	(1) Deviation	17-1/2", 12-1/4", 8-1/2"	One every 250' to base salt
0'-6700'	(7) Geolograph	17-1/2", 12-1/4", 8-1/2"	One every 500' thereafter
4200'-6700'	(5) DLL-GR	8-1/2"	2" & 5" Scales
4200'-6700' 4200'-6700'	(6) FDC-CNL-GR-CAL	·	2" & 5" Scales
0'-6700'	(6) PDC (GR-COLLAR(4) Temperature) 7" Casing 7" Casing	Depth Control Determine top of cement

CONOCO TO FURNISH WATER, CONTRACTOR TO FURNISH FUEL.

PROPOSED WELL PLAN

WELL NAME SEMU BLINEBRY-TUBB "A" NO.	113	FIELD	NMFII_
ATTACHMENT	NO.	REQUIRED	NOT REQUIRED
CASING CENTRALIZERS, SCRATCHERS		X	
CEMENT ING		X	The state of the s
MUD PROGRAM		X	
WELL PLAN OUTLINE		x	
PORE PRESSURE - FRAC GRADIENT			-
PROJECTED PROGRESS			
CROSS SECTION OR WELL COURSE			
	-		
THE CONST. PIST			
CROSS SECTION OR WELL COURSE			

DRILLING AND COMPLETION PROCEDURE

- 1. 0'-1450' Drill a 17-1/2" hole. Run and cement 13-3/8" casing. (See cement and casing programs.) WOC 18 hours. Pressure test casing to 600 psi for 30 mins.
- 2. 1450'-4200' Drill a 12-1/4" hole. Drill out shoe and pressure test formation to 300 psi. *Run and cement 9-5/8" casing. (See cement and casing programs.) WOC 18 hours. Pressure test casing to 600 psi for 30 minutes.
- 3. 4200'-6700' Drill an 8-1/2" hole. Drill out shoe and pressure test formation to 600 psi. Run open hole logs, run and cement 7" casing (See cement and casing programs.)
- 4. Detailed procedure to be prepared after open hole logs are analyzed. Anticipate a dual completion in Blinebry and Tubb intervals.

NOTE: Intermediate casing will be run only if severe water flow is encountered. If intermediate casing is not run, change bit size to 8-1/2" @ 4200'.

LIST TYPE OF STRING BY CODE LETTERS, 1.e. CONDUCTOR (C); SURFACE (S); INTERMEDIATE (I); PRODUCTION (P); LINER (L);
PERFORATIONS (PP)

CHARLES OF CHARLESTAND & CHARLESTON

	D REPARKS		D.V. TOOL & ECP @ 3400'	Sandblast bottom 850'
t t	MI. IN ALK, WI. IN MUD 1000 LBS 1000 LBS REMARKS			2
Ē		79	168	174.2
	AMT	1450	4200,	6700
	THREAD	STC	STC	LTC
	GRADE	K-55	K-55	K-55
WI	É	54.5#	#07	26#
DR TFT	A	13-3/8" 12,459"	9-5/8" 8.679"	6.151"
	00	13-3/8"	9-5/8"	",
TYPE OF STRINGS & INTERVAL (FT)	GROM-TO	(S) 0'-1450'	*(I) 0'-4200'	(P) 0'-6700'

REPARKS	Centralizers - 100' spacing	Centralizers - 100' spacing	Centralizers - 40' spacing Scratchers - 15' spacing
OTHER ACCESSORY EQUIPMENT (SUCH AS DEGASSERS, MID, CENTRIFUCE FLOAT COLLARS, ETC SPECIFY)	Guide shoe and float collar	Float shoe, float collar, D.V. Tool & ECP @ 3400'	(15) 5860'-6085' Float shoe and float collar (15) 6350'-6575'
SCRATCHER NO. INTERVAL NO. FROM-TO	None	None	(15) 5860'-6085' (15) 6350'-6575'
CENTRALIZERS INIERVAL NO. FRCM-TO	(15) 0'-1450'	(2) 1350'-1450' (16) 2600'-4200'	(2) 4100'-4200' (21) 5860'-6700'
YPE OF STRING	Surface	*Intermediate	Production

Intermediate will be run only if a severe water flow is encountered. If intermediate is not run, use a D.V. tool in 7" @ 3400' w/2 metal petal baskets below D.V. tool. NOTE:

6400'-6700'	4200'-6400'	1450'-4200')*-1450*	DEPTH INTERVAL ROM-TO
9.0-10.0	9.0-10.0	9.0-10.0	8.5-9.0	WEIGIT LISS/CAL
Salt gel	Salt gel	Salt gel	Spud	TYPE
	Ĭ.			OIL %
9.0-10.0	9.0-10.0	9.0-10.0	9.0+	H
10-15				WATER LOSS (cc)
34-36				VIS. (sec.)
		-		POINT
				THIMING AGENIS
As needed	As needed	As needed	As needed	WATER LOSS AGENTS

EMARKS

Below 1450' drill w/saturated brine to keep hole enlargement to a minimum. Add gelling agents as required to carry cuttings.

Keep pressure surges to a minimum below 1450'.

Begin reducing water loss and increasing viscosity at 6400' to achieve above properties at T.D.

CEMENT

¥ 5						cess	
REMARKS	100% excess	100% excess	100% excess	100% excess		12-1/4" 100% excess	100% excess
SIZE	17-1/2"	12–1/4"	12-1/4"	8-1/2"		8-1/2 & 12-1/4"	12-1/4"
BHT	75°	85°	75°	95°		95°	80°
FILL UP	Circ.	34001	Circ.	3400		3400,	Circ.
TOTAL AMT. REQUIRED SKX/CF	931/1750 200/264	380/501	766/1471 200/276	338/621		441 / 812 200/264	1085/2083 200/276
SLURRY YIELD CF/SKX	1.88	1.32	1.92 1.38	1.84		1.84	1.92 1.38
SLURRY WEIGHT LB./GAL	13.05 14.80	14.80	13.20 15.20	12.70 14.80	•.	12.70 14.80	13.20 15.20
CaC12	2%	2%	1 1	1 1	not run	1 1	1 1
SALTZ	1 1	1	18% 18%	- 3#/sx.	intermediate is not run.	1 1	18% 18%
GEL%	77 -	1	34001	1 1	fintern	1 1	3400
TYPE OF STRING INTERVAL (FT) FROM-TO TYPE MIX	(S) 0'-1450' Class 'C' Class 'C'	(I) 0'-4200' Around Shoe Class 'C'	Thru D.V. Tool @ 3400' Class 'C' Light Class 'C'	(P) 0'-6700' Around Shoe Class 'C' Light Class 'C'	7" cement for use if	(P) 0'-6700' Around Shoe Class 'C' Light Class 'C'	Thru D.V. tool @ 3400' Class 'C' Light - Class 'C'

NOTE:

Add 1/4#/sack Flocele to cement if necessary for lost circulation.

Reciprocate production casing while cementing.

Preceed cement with 500 gallons mud flush.

Re-calculate cement volumes for production casing after open hole caliper is run. 7.5.5.7

Lab test production casing cement slurries prior to cementing. Utilize top and bottom plugs. Pump top plug with TFW.

Condition mud to have low plastic viscosity and yield strength.

