		NM OIL	CONS. CC	ОN
Form 9-331 C (May 1963)		STATES Artesia	Other instructions on Never88240	YEM Form approved. Budget Bureau No. 42-R1425. C/S
	DEPARTMENE 05	1984 INTERIOR		5. LEASE DESIGNATION AND SEBIAL NO
	GEOLOGICA	- D		6. IF INDIAN, ALLOTTEE OB TRIBE NAME
APPLICATION F	OR PERMIT TO L	OFFICE DEEPEN, OR	PLUG BACK	
DRILL	x D		THE WEAR	7. UNIT AGREEMENT NAME
b. TYPE OF WELL OIL GAS WELL WELL NAME OF OPERATOR	X OTHER		MULTHE	Benson Deep Unit 8. FARM OR LEABE NAME
	eum Corporatio		16 1983	Benson Deep Unit 9. WELL NO. 4
207 S. 4th,	Artesia, New M	lexico 88210 0	L & 6AS	10. FIRLD AND POOL, OR WILDCAT
At surgice		ordance with any State require	X	Undes - Morrow
1980. At proposed prod. zone	FNL and 1980'	FWL ROSWEL	L, NEW MEXICO	AND SURVEY OR ARKA
same			\mathcal{U} . P	Sec. 3-T19S-R30E
	DIRECTION FROM NEAREST TO			12. COUNTY OR PARISH 13. STATE
5. DISTANCE FROM PROPOSED		of Artesia, NM.		Eddy NM
I OCATION TO NEAREST PROPERTY OR LEASE LINE, (Also to bearest drlg, un		400	то 320	THIS WELL
S. DISTANCE FROM PROPOSER TO NEAREST WELL, DRILL	LOCATION*	19. PROPOSED DEP		TARY OR CABLE TOOLS
OR APPLIED FOR, ON THIS LE	ASE, FT.	12200'	Rot	ary
1. ELEVATIONS (Show whether	DF, KT, GK, etc.)			22. APPROX. DATE WORK WILL START*
3414'GL	PROPO:	SED CASING AND CEMENT	ING PROGRAM	I ASAP
SIZE OF HOLE		EIGHT PER FOOT SETTI	SC DEPTH	COT, OF ANTITY OF CEMENT
		J-55	350	
				sx_circulated) sx_circulated
7 7/8"	5 1/2" 20#	-17#-20# N-80	TD 425	
OR	4 1/2 13.	5#-11.6#-13.5#	TD 475	SX
		N-80		
We propose	to drill and t	est the Morrow	and interme	ediate formations.
Will set ap	proximately -50	0'359 surface o	casing to sh	ediate formations. Nut off gravel and
caving and	set the interm	ediate casing a	at approxima	ately 3300'. Both
				an $5^{1}/2$ " or $4^{1}/2$ "
and cement	MICH at rease	350:350	to 3300-1	raturated brine;
MUD PROGRAM	: 8.3# gel/LC	M to 3300' , 8.6	5# water to	9500', 9.3#-10#
			1000', 9.5#	-10.5# Brine gel/
	drispak/KCL	to TD.		
BOP PROGRAM	: BOP's and h	vdril in 8 5/8'	' casing and	l tested, pipe rams
······································	tested dail	y, blind rams c	on trips, ye	ellow jacket, pit
N ABOVE SPACE DESCRIBE PRO one. If proposal is to drill reventer program, if any,	POSED PROGRAM : If proposa	l is to deepen or plug back, g	ive data on present pr	ontinuéd next bage) oductive zone and proposed new productive red and true vertical depths. Give blowout
^{24.} . Λ	$\mathcal{D} \wedge \mathcal{A}$			
SIGNED Stren	> Kodnyus	Regulat	ory Agent	<u>12/15/83</u>
(This space for Federal c	r State office use)	2		
PERMIT NO.		APPROVAL D	АТК	
'Orig. Sod	'Earl R. Cunninghan	Distric	t Manager	
PROVED BY CONDITIONS OF APPROVAL, I	F WER	9		DATE FEB 0 3 1984
				Rost a p2 2 D-1 - h 1 Dook 2 - 17 - 3 4
NERAL REQUIREMENTS				g D. In the Book
ECIAL STIPULATIONS -	معر مانور و د			2-17-84
TACHED				

W MEXICO OIL CONSERVATION COMMITION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

		All distances mu	t be from t	the outer boundari	es of the Sec	tion.	
: Por			Lec				Well fiel
NAT Letter	Section PETROLEUM	CORPORATION Township		Benson D			4
5				Hange	County		
tual Feetrige Loc	ation of Well:	19 South	<u> </u>	30 East		Eddy	
1980	teet from the NO	arth line	and 1	980	teept from gr	West	1 mar
a and Level Elev.	Producing Fo			Und Sugil			Deducated Acrea per
3414	MORRO	w]	BENSOD 7	DEEP U	INIT	32.0 Acres
1. Outline th	e acreage dedica	ated to the subje-	et well ł	by colored pen	il or hach	ure marks on the	e plat below.
2. If more th interest a	aan one lease is nd royalty).	dedicated to the	well, ou	itline each and	identify t	he ownership th	ereof (both as to working
3. If more that dated by c	an one lease of c ommunitization,	lifferent ownershi unitization, force-	o is dedi booling. d	cated to the w etc?	ell, have ti	he interests of	all owners been consoli-
Yes	No If a	nswer is "yes," ty	rpe of co	nsolidation	UNITIZ	ED	
If answer	is "no?" list the	owners and tract	descripti	ions which hav	e actually	been consolidat	ted. (Use reverse side of
this form i	t necessary.)						
No allowat	ole will be assign	ed to the well unt	il all inte	erests have he	en consoli	dated (by comm	unitization, unitization,
	ling, or otherwise)or until a non-sta	ndard un	it, eliminating	such inter	ests, has been a	approved by the Commis-
sion.							
				i			CERTIFICATION
El Ma Ora							
FLAG-RED.						I hereby ce	ertify that the information con-
NM. 8673				á		tained here	in is true and complete to the
	l	Q I				best of my	knowledge and belief.
		086 6		:		4line	P Dans
		~		10 10		Districe	to populy
						GLISER	10 RODRIGUEZ
	1					Fesition	
	1			1		REG. A	<u>GT.</u>
195	0 ⁻¹ C					Company O	0 0
						TATES	PET. CORP.
	1			1		12-13	- QZ
				1			
				1		TA AN	R. REDDY
RICHARD Y	ATES			l		I hernty s	whill Ethin the well location
NM-16636		A ready to					is plat was platted rom field
	1			1			ctuga surveys made by me or
	i i			l			pervision, and that the same
	1	1 • • • • • • • •		I		A mye on	to survey to the best of my
	+					Know redge	POFESSIONAL
	1			1			0123310
				1		Date Surveye	1
	1			1			6, 1983
	1						rofessional Engineer
l		Setting of the set of		I		and/or Land :	
	1	S.C. Links		1			6 Rodan
						Certificate No	i. rurury
330 660 '	90 1320 1650 198	10 2310 2640	2000	1500 1000	500	• •	, &LS #5412



POLLCHING CONTRACTOR AND ADDRESS ALL ADDRESS AND ADDRESS A

All preventers to be hybraulically observes with resordary to rail control installed prior to driving can trouble control.

Cheke outlet to be a minimum of d' district.

Kill line to be of all steel construction of 2" minimum clamsee.

All connections from operatory membral concernments to usuall steel. hole or type a minimum of one just in dramater.

The available closing pressure shall be at least 15% in extense of that required with sufficient volume to operate the 2.0.1.25.

All connections to and from preventer to have a pressure rectang equivale to that of the B.O.P.'s.

Inside blowest preventer to be available on rig flow.

Operating controls togethed a meter dupties of the electric time

Nole must be kept filled on trips below ist emethate earling. Operator not responsible for blowouts resulting to a post keeping have full?

D. P. float mass be installed and used below mere of thist gas intrusion

YATES PETROLEUM CORPORATION Benson Deep Unit #4 1980' FNL and 1980' FWL Section 3-T19S-R30E Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information in accordance with BLM requirements.

- 1. The geologic surface formation is sandy alluvium.
- ?. The estimated tops of geologic markers are as follows:

Yates	1690'	Strawn	10650'
Queen	2800'	Atoka	10980'
Gravburg	3220'	Morrow Clastics	11580'
San Andres	3660'	Lower Morrow	11750'
Bone Springs Limestone	9125'	Chester	11960'
3rd Bone Springs Sand	9125'	TD	12200'
Wolfcamp	95551		

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: approximately 150-200'

Oil or Gas:	San Andres	3680-3760'	Atoka	11020'
	Wolfcamp	9580'	Morrow	11650'

- 4. Proposed Casing Program: See Form 9-331C.
- 5. Pressure Control Equipment: See Form 9-331C.
- 6. Mud Program: See Form 9-331C.
- 7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connection.
- 8. Testing, Logging and Coring Program:

Samples: 10' samples caught out from under surface casing to TD.
DST's: As warranted.
Logging: 2 runs; shallow run; CNL-FDC TD to surface casing w/GR-CNL onto surface. DLL, TD to surface casing. Deep run: CNL-RDC, TD to casing, DLL TD to csg w/RxO from TD to 8400'.
Mud Logging: One man unit on out from under surface casing to TD.

- 9. No abnormal pressures or temperatures are anticipated.
- 10. Anticipated starting date: As soon as possible after approval.





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United States Department of the Interior

BUREAU OF LAND MANAGEMENT Roswell District Office P.O. Box 1397 Roswell, New Mexico 88201

February 2, 1984

RECEIVED BY FEB 0.6 1984 O. C. D. artesia, office

in reply refer to: NM-8673

Yates Petroleum Corporation 207 S. 4th St. Artesia, NM 88210

Gentlemen:

Your application for Permit to Drill well No. 4 Benson Deep Unit in the SE4NW4, sec. 3, T. 19 S., R. 30 E., Eddy County, New Mexico, lease NM-8673, to a depth of 12,200 feet to test the Morrow formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the Bureau of Land Management office checked on the attached special stipulation, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

Orig. Sgd.' Earl R. Cunningham District Manager

Enclosure

cc: NMOCD Artesia