				-			
Form 9-331 C		· · · ·	SUBMIT IN TI	CATE	• Form approved.		
(Мау 1963)	UNIT	ED STATES	(Other Instruction reverse s		Budget Bureau No. 42-R1425,		
	DEPARTMENT	OF THE INTE	RIOR		30-015-23210 5. LEASE DESIGNATION AND SHIMAG NO.		
		NM 15664					
		DRILL DEFI	PEN OR PLUG P	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
APPLICATION 18. TYPE OF WORK	APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						
	LL 🛛	7. UNIT AGREEMENT NAME					
b. TYPE OF WELL		S. FARM OR LEASE NAME OF PICE					
OIL GA WELL W	ELL X OTHER	· · · · · · · · · · · · · · · · · · ·	ZONE ZONE		Federal EF		
	Component	in .			9. WELL NO.		
3. ADDRESS OF OPERATOR	troleum Corporat				2		
207 South	h 4th Street, Al	rtesia, New Me	xico 88210	·	10. FIELD AND FOOL, OR WILDCAT		
4. LOCATION OF WELL (R	eport location clearly and	in accordance with any	State requirements.*)	<u>t</u> - 2	Richard Knob		
1980	0' FSL & 660' FN	NL.		ί ι ι	11. SEC., T., R., M., OB BLK. - AND SURVEY OR ABEA		
At proposed prod. zon	e		,	- W -	Sec. 31-T17S-R25E		
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POST OFF	ICR [®]		12. COUNTY OR PARISH 13. STATE		
	ely 7½ miles SW				Eddy NM		
15. DISTANCE FROM PROPO LOCATION TO NEAREST	JSED ⁴	16.	NO. OF ACRES IN LEASE	тот	OF ACRES ASSIGNED HIS WELL		
PROPERTY OB LEASE I (Also to nearest drig	INE, FT.	660'	· 800	·	320		
18. DISTANCE FROM PROP TO NEAREST WELL, D	RILLING, COMPLETED,		PROPOSED DEPTH	I _	ARY OR CABLE TOOLS		
OR APPLIED FOR, ON TH	IS LEASE, FT.	+1 mile	approx. 8440'		22. APPROX. DATE WORK WILL START*		
21. ELEVATIONS (Show wh	ether DF, KI, GK, etc.)				ASAP after approval		
3645.5	 T	PROPOSED CASING A	ND CEMENTING PROGR	AM	1		
			SETTING DEPTH		QUANTITY OF CEMENT		
SIZE OF HOLE	SIZE OF CASING	<u>weight per foot</u> 48# J-55	approx. 250'	250) sx - circulate		
<u> </u>	8 5/8"	<u>24# J-55</u>	approx. 1100'	- 75	0 sx - circulate		
7 7/8"	5 ¹ / ₂ " or 4 ¹ / ₂ "	15.5 - 17# K or $10.5-11.6$		25	0 sx		
		· •		· ·			
Propose to drill	and test the M	lorrow and int	ermediate horizo		pproximately 250' of		
	177 1	a amont a mouli	a = a = a = a = a = a = a = a = a = a =	PLAVE	and cemented to the		
Intermediate cas	sing will be set	; IUU' below u	me will run 51/"	or $43''$	and cemented to the casing and cement		
surface. If con with 600' of cov	merciai pay 15 Jer perforate a	and stimulate	as needed.				
MUD PROGRAM: F	.W. gel & LCM to	1100', fresh	water to 3900'	, KCL w	ater to 6000', starch-		
dı	rispak KCL to 72	200', flosal-d	rispak-KCL mud 1	со т.р.	, MW 8.9-9.0, Vis 34-39		
W	L 10 - 7.	•					
DOD DDOGDAM. D	Opic and hydril	on the $8.5/8"$	casing and tes	ted, pi	pe rams daily, blind		
BOP PROGRAM: B	ams on trips. Ye	ellow-Jacket p	prior to drilling	g Wolfe	amp.		
AG NOT DEDICAT	FT						
	E DEODORED DEOCRAM · If	proposal is to deepen of	or plug back, give data on	present pro	oductive zone and proposed new productive red and true vertical depths. Give blowout		
preventer program, if a		any, give pertinent dat					
24. 11.2.	00 (0 (7 1) (90)		
SIGNED Alise	nor former	TITLE_	Engineer		DATE2/14/80		
(This space for Fed	eral or State office use)	<u></u>					
			APPROVAL DATE	5-8	general de la companya de la company		
PERMIT NO.		·····	APPROVAL DATE				
ADDOURD DA		TITLE _			DATE		
CONDITIONS OF APPRO							
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*See Instructions On Reverse Side

NEW . XICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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		outh line and	660	feet from t	he West	line
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3645.5	MORROL		ULDES M			
1. Outline the	acreage dedica	ted to the subject v	vell by colored p	encil or hach	ure marks on the p	hlat below.
2. If more tha interest and		dedicated to the we	ll, outline each	and identify i 版在门	the ownership ther : 1980	eof (both as to working
3. If more than dated by co	one lease of d mmunitization, 1	ifferent ownership is initization, force-poo	dedicated to the dedicated to the ling. etc?		the interests of al SIA, OFFICE	l owners been consoli-
🖂 Yes [NoIfa	nswer is "yes," type	of consolidation	COMMU	INITIZATIO	<u>N</u>
If answer is	s "no," list the	owners and tract de	scriptions which	have actually	y been consolidate	d. (Use reverse side of
this form if	necessary.)					
No allowabl	e will be assign	ed to the well until a	ill interests have	been conso	lidated (by commu	nitization, unitization,
forced-pooli	ng, or otherwise) or until a non-stand	ard unit, elimina	ing such into	erests, has been aj	pproved by the Commis-
sion.						
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L.	1		•			tify that the information con-
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United States Department of the Interior

GEOLOGICAL SURVEY

MAR 1980

P. O. Drawer U Artesia, New Mexico 83210

ARCEA, OTAGE

March 5, 1980

Yates Petroleum Corporation 207 South Fourth Street Artesia, New Mexico 88210 YATES PETROLEUM CORPORATION Fed "EF" No. 2 1980 FSL 660 FWL Sec. 31 T.17S R.25E Eddy County Lease No. NM 15664

Gentlemen:

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 8,400 feet to test the Morrow is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

- 1. Drilling operations authorized are subject to compliance with the attached General Requirements for Oil and Gas Operations on Federal Leases, dated July 1, 1978.
- 2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the Surface Use Plan and these Conditions of Approval including the attached General Requirements.
- 3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
- 4. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should not be less than 8" x 5" in size and each page should identify the well.
- 5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
- Before drilling below the 8-5/8" casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.
- 7. A kelly cock will be installed and maintained in operable condition.



- 8. After setting the 8-5/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.
- 9. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
 - (1) A recording pit level indicator to determine pit volume gains and losses.
 - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
 - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
- 10. Notify the Survey by telephone 24 hours prior to spudding well.
- 11. Notify the Survey in sufficient time to witness the cementing of the 13-3/8" and 8-5/8" casing.
- 12. Cement behind the 13-3/8" and 8-5/8" casing must be circulated.
- 13. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

George H. Stewart Acting District Engineer Yates Petroleum Corporation Federal "EF" #2 1980' FSL and 660' FWL Section 31 - T17S - R25E 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 USGS requirements:

1. The geologic surface formation is quaternary alluvium.

2. The estimate tops of geologic markers are as follows:

San Andres Glorieta Abo Wolfcamp Lime Cisco	607' 1851' 3946' 5063' 6195'		١	Lower Canyon Strawn Atoka Morrow Clastics Chester	7136' 7385' 7775' 8012' 8132'
Cisco	6195'	6195'	1	Chester Mississippi Ls T.D.	8132' 8268' 8440'

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

Water: Approximately 800'-1050'

Gas: 6200' 7400' 7800' 8100'

4. Proposed Casing Program: See Form 9-331C.

5. Pressure Control Equipment: See Form 9-331C and Exhibit B.

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:

DST's: As Warranted Logging: 5000 - T.D. Coring: CNL-FDC T.D. to casing with GR-CNL on to surface and DLL longs from T.D. to casing with min. R 0 T.D. to 6100'.

9. No abnormal pressures or temperatures are indicated.

10. Anticipated starting date: As soon as possible after approval.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Yates Petroleum Corporation Federal EF #2 1980' FSL and 660' FWL

This plan is submitted with Form 9-331C, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operation.

1. EXISTING ROADS.

Exhibit A is a portion of a JSGS topographic map showing the wells and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 7.5 miles SW of Artesia, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

- 1. Proceed west from Artesia on Highway 83 for a distance of approximately 3 miles.
- 2. Turn south and follow that road for approximately 1 1/2 miles.
- 3. Turn west and follow the road for approximately 1 1/2 miles to well BZ #6.
- 4. Turn south at well BZ #6 and continue for approximately 1/2 mile, then turn west in front of the CO #2, continue for 1 1/2 miles to the Federal CR #1 well, there turn south for .8 of a mile.
- 5. Turn southwest for approximately .2 of a mile. The new access road starts here.
- 2. PLANNED ACCESS ROAD.
 - A. The proposed new access will be approximately 4000' in length from point of origin to the edge of the drilling pad. The road will lie in an east-to-west direction.
 - B. The new road will be 12 feet in width (driving surface), except at the point of origin, adjacent to the existing road, at which point enough additional width will be provided to allow the trucks and equipment to turn.
 - C. The new road will be covered with the necessary depth of caliche. The surface will be crowned, with drainage on one side. Two turnouts will be necessary.
 - D. The new road has been staked and flagged and the route of the road is clearly visible.
- 3. LOCATION OF EXISTING WELLS.
 - A. Drilling activity within a one-mile radius of the wellsite is shown on Exhibit A. The nearest production is a gas well in the SWM of Section 32.

- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES.
 - A. There are no production facilities on this lease at the present time.
 - B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.
- 5. LOCATION AND TYPE OF WATER SUPPLY.
 - A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.
- 6. SOURCE OF CONSTRUCTION MATERIALS.
 - A. Any caliche required for construction of the drilling pad and the new access road will be obtained from the location itself.
- 7. METHODS OF HANDLING WASTE DISPOSAL.
 - A. Drill cuttings will be disposed of in the reserve pits.
 - B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
 - C. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted to the USGS for appropriate approval.
 - D. Oil produced during operation will be stored in tanks until sold.
 - E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
 - F. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches dirt. All waste material will be contained of prevent scattering by the wind.
 - G. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.
 - 8. ANCILLARY FACILITIES.
 - A. None required.
 - 9. WELLSITE LAYOUT.
 - A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, etc.
 - B. The location surface on a bit of a slope. Minor cut or fill should be needed in the pad area.

- The reserve pits will be plastic lined. с.
- The pad area has been staked and flagged. D.
- 10. PLANS FOR RESTORATION OF THE SURFACE.
 - A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
 - B. Unguarded pits, if any, containing fluids will be fenced until they have been filled.
 - C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM and the USGS will be complied with and will be accomplished as expeditiously as possible. All pits will be filled leveled within 90 days after abandonment.
 - OTHER INFORMATION. 11.
 - Topography: The land surface in the vicinity of the wellsite is gentle undulations. The immediate area of the wellsite is discussed above in paragraph 9B. Α.
 - B. Flora and Fauna: The vegetation cover consists of prairie grass, prairie flowers, greasewood and miscellaneous desert growth. No wildlife was observed, but the wildlife in the area probably includes those typical of semi-arid desert land. The area is used for cattle grazing.
 - C. There are no ponds, lakes, or rivers in the area.
 - D. There are no inhabited dwellings in the vicinity of the proposed well.
 - E. Surface Ownership: The wellsite is on federal surface.
 - There is no evidence of any archeological, historical or cultural sites in the area. F.
 - OPERATOR'S REPRESENTATIVE. 12.
 - The field representatives responsible for assuring compliance with the Α. approved surface use plan are:

Gliserio Rodriguez Yates Petroleum Corporation 207 South 4th Street Artesia, New Mexico 88210 (505) 746-3558

CERTIFICATION. 13.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently 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 Yates Petroleum Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. Siscio Realizar

7-11-80



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THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- 1. All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.
- 2. Choke outlet to be a minimum of 4" diameter.
- 3. Kill line to be of all steel construction of 2" minimum diameter.
- 4. All connections from operating manifolds to preventers to be all steel. hole or tube a minimum of one inch in diameter.
- The available closing pressure shall be at least 15% in excess of that
 required with sufficient volume to operate the B.O.P.'s.
- 6. All connections to and from preventer to have a pressure rating equivalent to that cf the B.O.P.'s.
- 7. Inside blowout preventer to be available on rig floor.
- 8. Operating controls located a safe distance from the rig floor.
- 9. Hole must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full.
- 10. D. P. float must be installed and used below zone of first gas intrusion.

EXHIBIT C



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