Form 9-331 C		<b>۲</b> ≖ ۶	O.C.D. COI	PY	នា	UBMIT IN T	- JUATI	5• For	m approved	C:SF
(May 1963)		UNIT	ED STATE	S		(Other instru- reverse i		Budg	et Bareau	No. 42-R1425.
	DEP/	RTMEN	r of the I	NTER	IOR			5. LEASE DE	05-E	EDERIAL NO.
			GICAL SURV					NM 1	1592	
APPLICATI 1a. TYPE OF WORK		PERMIT	O DRILL,	DEEPE	N, OR	PLUG I	3ACK	6. IF INDIAN		1980
b. TYPE OF WELL	DRILL 🖾		DEEPEN		]	PLUG BA	CK 🗌	7. UNIT AGE		
OL .	GAS WELL	OTHER		81N ZON	GLE	MULTH ZONE	PLE	8. FARM OH	O. C. [	
2. NAME OF OPERATOR	es Petrole	nucon		,				GYP "MO"	' Federa	il Com,
3. ADDRESS OF OPERAT	UOR			•				J. WELL NO.	1	
207 4. LOCATION OF WELL At surface	(Report locatio	on clearly and		V Nox th any Sta	ate require	EVEL ements.*)		10. FIELD AN Wildo	/	WILDCAT
	1980' FN	L and 660	D' FEL	1	MN 2	3 1980		11. SEC., T., I AND SUE	10	nn
At proposed prod.	Samo						۱	Sec. 35-1		
14. DISTANCE IN MIL	LS AND DIRECTIO	ON FROM NEAR	REST TOWN OR POS	T Steler	FILLULULULULULULULULULULULULULULULULULUL	W MFXIM	ł	12. COUNTY C	1	13. STATE
31 miles no 15. DISTANCE FROM PI LOCATION TO NEAR	OPOSED*	<u>13 mi ies</u>	east of Ko		OF ACRES			Chave		NM
Also to nearest	ED LINE, FT. drlg. unit line,		660'				TO T	HIS WELL 320		
18. DISTANCE FROM P TO NEAREST WELL OR APPLIED FOR, ON	, DRILLING, COM			19. PROI	FOSED DEP	тн	20. ROTA	BY OR CABLE TO	Dols	
21. ELEVATIONS (Show		7, GR, etc.)		1	5200'		<u> </u>	Rotary	DATE WORK	WILL START*
3908	3t			···· ····				ASAF		
·			ROPOSED CASIN		CEMENTI	ING PROGRA	\M			
<u>віге об ноге</u> 15 <sup>11</sup>	10 -	7 CASING	₩EIGHT PER FO 48# J-55		SETTIN ADDPOX	G PEPTH	375	QUANTITY SX CIPCU	OF CEMENT	
9 <sup>1</sup> _3"	7"		24# J-55			: 1550		sx circu		
6 <sup>1</sup> 4"	4 1/	/2"	9.5 or 10	5#	'ID		250			
400 cavi cavi run as r <u>MUD</u> GAS IN ABOVE SPACE TEST GAS IN ABOVE SPACE TEST GAS SIGNED ALL SIGNED	of surfa ing. Casi productio peeded for <u>PROGRAM</u> : <u>PROGRAM</u> : <u>NOT DEDIC</u> <u>ME TEPPOSED F</u> to drill or deep any.	ace casir ing will ing will on casing or product FW gel starch WL 14-7 BOP's w ATED.	and LCM to to 4350' f ill be ins roposal is to deep by, give pertinent	set ar cemer belo t with 1500' losal talled	nd cema nt circ ow the n adequ d adequ drispa drispa drispa drispa	ent circ culated water z uate cov ine KCL ak KCL t 5/8" ca re data on pr	ulated to shut one er, per to 3200 o 'ID. sing ar esent produ d measured	to shut t off gra If commer rforate, O' - KCL MW 10-10 nd tested	off gra vel and cial wi and sti drispak .2, Vis daily. proposed n. cml depths.	vel, and 11 mulate & 3/1-39, ew productive Give blowout
(This space for Fe		,								
PERMIT NO.				AP	PROVAL DA	те	11-8	0		
APPROVED BY	OYAL, IF ANY ;		'EI <b>TL</b>	.e				DATE		
			*See Instruc	tions O	n Revers	e Side				

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# NEW MEXICO OIL CONSERVATION COMMISSION. WELL $\tau$ - CATION AND ACREAGE DEDICATION . $-\tau T$

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Transmission       Gyp M) Federal Com       1         If the Section is insertion       South 24 East       Chaves         If the Section is insertion       South 24 East       Chaves         If the Section is insertion       South 24 East       Description         If the Section is insertion       South 24 East       Description         If the Section is insertion       Belle Section       Description         If the Section is inserting insertion is inserting insertinse inserting inserting insereasease inserting			All distan	ces munt he f	real the oute	er boundarie	s of the Sec	ction.		•	
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Contracted the constraint of the second decomposition of	Actual Postage Lee	auch 64 Well;									
Contract Plant       Period       Peri	1980	D fort from the Nor	th	line and		660	feet from	u.a E	ast		
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<ul> <li>Outline the arrenge dedicated to the subject well by calored penell or hachare marks on the plat below.</li> <li>If more than one lense is dedicated to the well, outline cach and identified dedified theread (both as to working interest and regulty).</li> <li>O. C. D.</li> <li>If more than one lense of different ownership is dedicated to the well, inwettbalantprests of all owners been consolidated by communitization, initization, force-pooling, etc?</li> <li>If yes □ No If answer is "yes," type of consolidation <u>COMMUNITIZATION</u></li> <li>If answer is "net," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary) or outil a non-standard unit, eliminating such interests, has been approved by the Commission.</li> <li>CERTIFICATION</li> <li>If any 3 1980</li> <li>IT'S BEOLULICAL SURVEY ARTESIA, NEW MEDO</li> <li>IT'S BEOLULICAL SURVEY ARTESIA</li></ul>	3908	PENN			HHDE	<u>s. 1</u>	-iard -	DECE		52	
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## United States Department of the Interior

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GEOLOGICAL SURVEY

P. O. Drawer U Artesia, New Mexico 88210 FEB 1 1 1980

O. C. D. February 11, APJSA, OFFICE

Yates Petroleum Corporation 207 South Fourth Street Artesia, New Mexico 88210 YATES PETROLEUM CORPORATION GYP "MO" Fed No. 1 1980 FNL 660 FEL Sec. 35 T.5S R.24E Chaves County Lease No. NM 11592

Gentlemen:

Above Data Required on Well Sign

Your APPLICATION FOF PERMIT TO DRILL the above-described well to a depth of 5,200 feet to test the Penn 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. Note: CAUTION. A buried liquid petroleum gas pipeline is located approximately fifty (50) feet south of the wellsite stake.
- 3. 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.
- 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 7" 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 7" 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.
- 9. Cement behind the 10-3/4" casing must be circulated.
- 11. 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 2

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

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 Glorieta
 1538'

 Abo
 3578'

 Wolfcamp
 4330'

 Penn
 4940'

 T.D.
 5200'

## U.S. GEULDGICAL SURVEY ARTESIA, NEW MEXICO

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

Water: Approximately 250' - 350' Oil or Gas: Wolfcamp - 4350' Penn - 5000'

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 value on floor, drill pipe connection.

8. Testing, Logging and Coring Program:

Samples: Surface casing to T.D. DST's: As Warranted Logging: Surface casing to T.D. Coring: CNL-FDC T.D. to casing with GR-CNL on to surface and DLL from T.D. to casing.

9. No abnormal pressures or temperatures are anticipated.

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

Yates Petroleum Corporation Gyp "MO" Federal #1 Section 35 - T5S - R24E 1980' FNL and 660' FEL (Exploratory Well)

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, the construction activities and operations plan, the 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 drilling of this well.

#### 1. EXISTING ROADS.

Exhibit A is a portion of a county map showing the roads in the vicinity of the proposed location. The proposed wellsite is located approximately 32 miles NNE of Roswell, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

#### DIRECTIONS:

1. Proceed north from Roswell on Highway 285 for a distance of approximately 31 miles.

2. Turn east for approximately 8 miles and continue NE for 2 miles.

- 3. Then turn SE on the Mapco Pipeline right-of-way, go for 1 1/2 miles. The road will be the south edge of the pad.
- 2. PLANNED ACCESS ROAD.

A. There will be no new road.

- 3. LOCATION OF EXISTING WELL.
  - A. There are no existing wells within a nile of wellsite. The Grynberg "LZ" State well is 1.2 miles SE.
- 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 the ranches and trucked to the location.

- 6. SOURCE OF CONSTRUCTION MADERIALS.
  - A. Any material required for construction of the drilling pad and the new access road will be obtained from the pit on private surface on Section 8-T6S-R26E.
- 7. METHODS OF HANDLING WASTE DISFOSAL.
  - 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. The pits will be to the northeast.
  - B. The location surface is on a minor slope so cut and fill will be needed.
  - C. The reserve pits will be plastic lined.
  - D. A 400' X 400' area and road has been staked and flagged.
- 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 is as pleasing a condition as possible.
  - B. Unguarded pits, if any, containing fluids will be fenced until they have dried and leveled.
  - C. If the proposed well is non-productive, all rehabilitation requirements of the BLM and the USGS will be complied with and will be as expeditiously as possible. All pits will be filled leveled within 90 days after abandonment.

GYP "MO" Federal #1 Page 3

- 11. OTHER INFORMATION.
  - A. Topography: The land surface in the vicinity of the wellsite is sloping. The immediate area of the wellsite is discussed above in paragraph 9B.
  - B. Flora and Fauna: The vegetation cover consists of tobosa, terpentine, pepper weed, and some mesquite. 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. The Pecos River is approximately four and a half miles east.
  - D. There are no inhabited dwellings but there are windmills within a mile of the vicinity of the proposed well.
  - E. Surface Ownership: The wellsite is on federal surface.
  - F. There is no evidence of any archeological, historical or cultural sites in the area.
- 12. OPERATOR'S REPRESENTATIVE.
  - A. The field representative responsible for assuring compliance with the approved surface use plan is:

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

13. CERTIFICATION.

I hereby certify that I, or person 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.

<u> /- 2 3 . 80</u> Date

Shreis Techique

Gliserio Rodriguez, Geographer





# THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- 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 cperating manifolds to preventers to be all steel. hole or tube a minimum of one inch in diameter.
- 5. 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 of 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.

YATES PETROLEUM CORP

0-6000 FT.



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