OIL CONSERVATION DIVISION 1301 W GRAND AVENUE ARTESIA NM 88210 Form 3160-3 OMB No. 1004-0136 (August 1999) Expires November 30, 2000 UNITED STATES 5. Lease Serial No. **DEPARTMENT OF THE INTERIOR** LC-028990-B 6. If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. R DRILL REENTER la. Type of Work: 8. Lease Name and Oil Well Single Multiple Zone b. Type of Well: Gas Creek AL Federal #17 Well Zone 9. API Well No. 2. Name of Operator 50-015-322*0*8 Yates Petroleum Corporation 10. Field and Pool, or Exploratory 105 South Fourth Street (505) 748-1471 Wildcat Bone Spring Artesia, New Mexico 88210 11. Sec., T., R., M., or Blk, and Survey or Area 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 660' FSL and 480' FEL At surface Section 24, T18S-R30E Same At proposed prod. Zone 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office* **Eddy County** NM Approximately 8 miles Southeast of Loco Hills, New Mexico 17. Spacing Unit dedicated to this well Distance from proposed 16. No. of Acres in lease location to nearest 480' property or lease line, ft. (Also to nearest drig. unit line, if any) 40 acres SE/4SE/4 560 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 20. BLM/BIA Bond No. on file 19. Proposed Depth 200' 8400' 585997 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration **ASAP** 30 days 3635' GL 24. Attachments Capitan Controlled Water Basin Secretary's Potash The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form: Bond to cover the operations unless covered by an existing bond on file (see 1. Well plat certified by a registered surveyor. Item 20 above). 2. A Drilling Plan 3. A Surface Use Plan (if the location is on National Forest System Lands, the Operator certification. Such other site specific information and/or plans as may be required by the SUPO shall be filed with the appropriate Forest Service Office. authorized office. Date Name (Printed/Typed) 25. Signature 10/2/01 Cy Cowan Title: Regulatory Agent Name (Printed/Typed) Approved by (Signature) FEB 0 5 2002 NM STATE OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

APPROVAL FOR 1 YEAR

Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1001 and

*(Instructions on reverse)

CASING MUST BE CIRCUIA

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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DISTRICT II
811 South First, Artesia, RM 86210
DISTRICT III
1000 Rio Brazos Rd., Axtoo, RM 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NH 87505

Dedicated Acres Joint or Infill Consolidation Code

State of New Mexico Energy, Mearols and Natural Resources Departmen

Form C-102
Revised March 17, 1999
Instruction on back

Submit to Appropriate District Office State Lease - 4 Copies

State Lease — 4 Copies Fee Lease — 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

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API Number				Pool Code		Pool Name				
						Wildea	at Bone Spri	ng		
Property Code			Property Name				Well N	Well Number		
				CREEK "AL" FEDERAL				17		
OGRID No. Operator Name							Elevation			
025575			YATES PETROLEUM CORPORATION					3635		
· · · · · · · · · · · · · · · · · · ·					Surface Loc	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
P	24	185	30E		660	SOUTH	480	EAST	EDDY	
			Bottom	Hole Lo	cation If Diffe	erent From Sur	face			
UL or lot No.	Section	Township	Bange	Lot kin	Feet from the	North/South line	Feet from the	East/West line	County	
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Order No.

OPERATOR CERTIFIC	
I hereby certify the the contained herein is true and or best of my knowledge and belief.	implete to the
Signature /	ra
_Cy_Cowan	
Printed Name Regulatory Agent	
Title 10-2-01	
Date	
SURVEYOR CERTIFIC	CATION
I hereby cartify that the well is on this plat was plotted from	
actual surveys made by me supervises, and that the sum	or under my
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9/17/2001 Date Surveyed	
W.103°55'06.5" Signature Sant Shriveyor W.103°55'06.5"	
3639 3635	\
9-480'-	
3628 2 3632 Cartificate No. Hersche LS	nes RLS 3640
JC-02899+B	

YATES PETROLEUM CORPORATION Creek "AL" Federal #17

660' FSL and 480' FEL Section 24-T18S-R30E Eddy County, New Mexico

1. The estimated tops of geologic markers are as follows:

Rustler	485'
Tansill	1800'
Yates	1910'
Severn Rivers	2350'
Queen	3075'
Grayburg	3560'
Delaware	4600'
Bone Spring	5820'
Dolomite	8200'
TD	8400'

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

Water:

250'-350'

Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 8 5/8" casing and rated for 3000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

Auxiliary Equipment:

- A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.
- 4. THE PROPOSED CASING AND CEMENTING PROGRAM:
 - A. Casing Program: (All New)

Hole Size	Casing Size	Wt./Ft	<u>Grade</u>	Coupling	<u>Interval</u>	<u>Length</u>
17 1/2"	13 3/8"	48#	H-40	ST&C	0-700'	700'
11"	8 5/8"	32#	J-55	ST&C	0-2800'	2800'
7 7/8"	5 ½"	17#	J-55	LT&C	0-100'	100'
7 7/8"	5 ½"	15.5#	J-55	LT&C	100'-6800'	6700'
7 7/8"	5 ½"	17# J-55		LT&C	6800'-8400' 1600'	

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8

Creek "AL" Federal #17

Page 2

B. CEMENTING PROGRAM:

Surface casing: 400 sx Lite(Yld 2 Wt. 12.5) Tail in w/250 sx Class "C" + 2% CaCL2 (YLD 1.32 WT 14.8).

Intermediate Casing: 600 sx Lite (Yld 2 Wt 12.5). Tail in w/250 sx Class "C" + 2% CACL2 (Yld 1.32 Wt. 14.8).

Production Casing: TOC=2300'; 550 sx Lite (Yld 2 Wt. 12.5). Tail in w/500 sx Super "C" (Yld 1.62 Wt. 1.32).

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

Interval	Type	Weight	Viscosity	Fluid Loss
0-700'	FW/Native Mud	8.4-9.0	28-32	N/C
700'-2800'	Brine	10.0-10.2.01	28	N/C
2800'-TD	FW/Cut Brine	8.4-9.2	28	N/C

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: 30' samples to 5000'. 10' samples to 5000' to TD.

Logging: Platform HALS.

Coring: Sidewall cores as warranted.

DST's: As warranted.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE, AND POTENTIAL HAZARDS:

Anticipated BHP:

From: 0 TO: 700' Anticipated Max. BHP: 300 PSI From: 700' TO: 2800' Anticipated Max. BHP: 1200 PSI From: 2800' TO: TD Anticipated Max. BHP: 3700 PSI

No abnormal pressures or temperatures are anticipated.

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None Anticipated

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 30 days to drill the well with completion taking another 15 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN YATES PETROLEUM CORPORATION

Creek "AL" Federal #17 660' FSL and 480' FEL Section 24-T18S-R30E Eddy County, New Mexico

This plan is submitted with Form 3160-3, 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 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 operations.

EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 8 miles Southeast of Loco Hills, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go East of Artesia on Highway 82 to Highway 360. Turn Right on 360 and go to Duval Shaft Road (CR 251). Turn left on Duval Shaft Road and to grubbs Rd (CR 250). Turn right on Grubbs Rd. and go approx. 4.8 miles. Turn north here and go approx. 0.7 of a mile. Turn left and go 0.7 of a mile to the Creek AL Battery on the right. On the west side of the Creek Battery follow road to the north for approx. 0.3 of a mile to the Creek AL Fee #2 well. The Creek AL Federal #17 well location will be located 200 feet to the east.

2. PLANNED ACCESS ROAD:

- A. The proposed new access will go east for approximately 200' to the Southwest corner of the drilling pad. The road will lie in a west to east direction.
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on one side. Some traffic turnouts will be built.
- D The route of the road is visible.
- E Existing roads will be maintained in the same or better condition.

3. LOCATION OF EXISTING WELL:

- A. There is no drilling activity within a one-mile radius of the wellsite.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed wellsite.

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.

Page 2

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:

Dirt contractor will locate nearest pit and obtain any permits and materials needed for construction.

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.

D. Oil produced during operations will be stored in tanks until sold.

E. Current laws and regulations pertaining to the disposal of human waste will be complied with.

F. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary land fill. Burial on site is not approved.

8. ANCILLARY FACILITIES: INCLUDE ONE (1) 3" SDR-11, POLY, SURFACE FLOWLINE AND ONE (1) 640 VOLT, 3 PHASE, RAPTOR PROOF POWERLINE FOLLOW ACCESS ROADS TO THE CREEK BATTERY. SEE EXHIBIT.

9. WELLSITE LAYOUT:

- A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
- B. The reserve pits will be plastic lined.
- C. A 400' x 400' area has been staked and flagged.

10. PLANS FOR RESTORATION:

- 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 dried and been leveled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level after they have evaporated and dried.
- 11. SURFACE OWNERSHIP: Federal Surface, Administered by Bureau of Land Management, Carlsbad, New Mexico.

Creek "AL" Federal #17 Page 3

12. OTHER INFORMATION:

- A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
- B. The primary surface use is for grazing.

13. OPERATOR'S REPRESENTATIVE:

A. Through A.P.D. Approval:

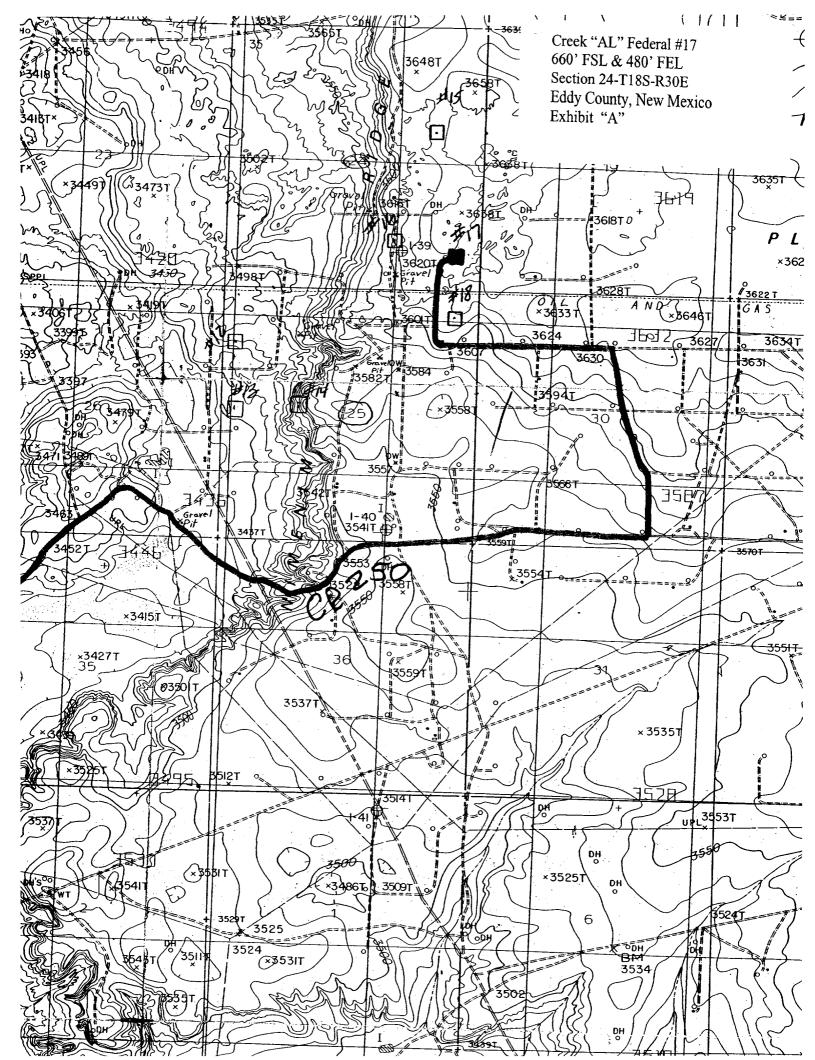
Cy Cowan, Regulatory Agent Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471 B. Through Drilling Operations, Completions and Production: Pinson McWhorter, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

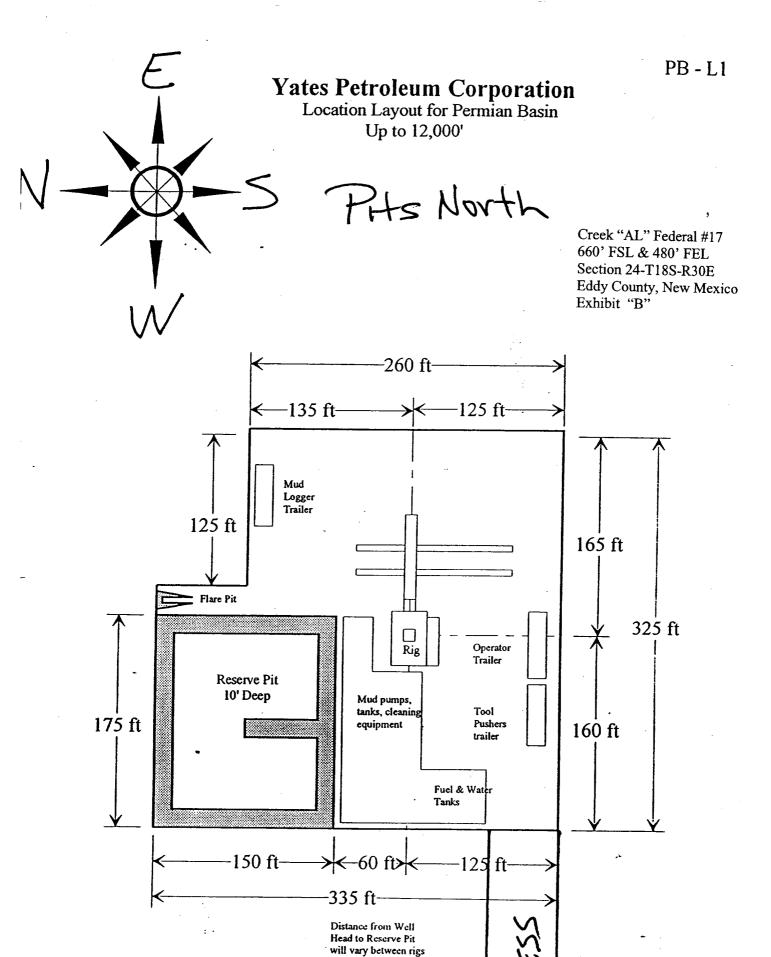
14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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 Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

10/02/01

Regulatory Agent



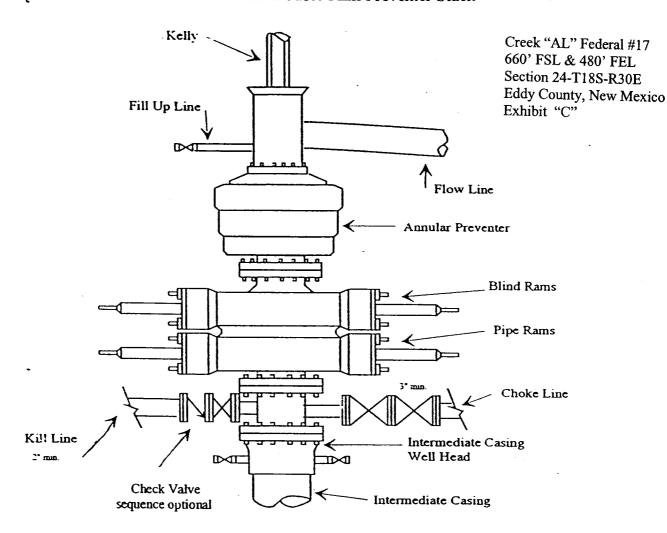


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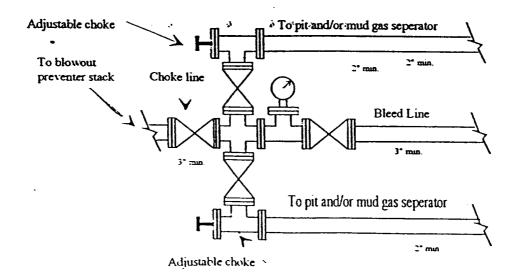


Yates Petroleum Corporation

Typical 3.000 psi Pressure System
Schematic
Annular with Double Ram Preventer Stack



Typical 3,000 psi choke manifold assembly with at least these minimun features



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