N.M. Oil Cons. DIV-Dist 2 1301 W. Grand Avenue Artesia, NM 88210

Form 3160-3 (April 2004)

FORM APPROVED OMB NO. 1004-0137 ,IIII 12 2007 Expires: March 31,2007 **UNITED STATES** DEPARTMENT OF THE INTERIOR Lease Serial No. OCD-ARTESI BUREAU OF LAND MANAGEMENT NM-28171 If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7 If Unit or CA Agreement, Name and No. X DRILL 1a. Type of Work: REENTER Lease Name and Well No Oil Well X Gas Well Other Spear OA Federal Com #9 29701 1b. Type of Well: Single Zone X Multiple Zone 9. API Well No Name of Operator Yates Petroleum Corporation 25575 3a. Address 3b Phone No. (include area code) 105 South Fourth Street, Artesia New Mexico 88210 Undesignated Foor Ranch; Pre-Permian (505) 748-1471 11 Sec, T, R, M., or Blk. And Survey or Area Location of well (Report location clearly and In accordance with any State requirements.*) At surface 1980' FSL and 1980' FWL, Unit K, NESW Section 4, T9S-R26E At proposed prod. zone same as above 14. Distance in miles and direction from the nearest town or post office* 12 County or Parish 13. State NM **Chaves County** 17 Spacing Unit dedicated to this well Distance from proposed* 16. No. of acres in lease location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 660 1399.95 320 - W/219 Proposed Depth 20 BLM/ BIA Bond No on file 18. Distance from proposed location* to nearest well, drilling, completed, NATIONWIDE BOND #NMB000434 6380' 2640 applied for, on this lease, ft Elevations (Show whether DF RT, GR, etc.) 22 Aproximate date work will start* 23 Estimated duration 3812' GL ASAP 30 Days 24 Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1 shall be attached to this form

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan
- 3. A Surface Use Plan (1f the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by existing bond on file(see item 20 above)
- 5 Operator certification
- 6 Such other site specific information and/ or plans as may be required by the a authorized officer

Name (Printed/ Typed) Date Signature 6/7/2007 Debbie L. Caffall Title Regulatory Agent Approved By (Signature)/S/ Angel Mayes Name (Printed/ Typed) 1S/ Angel Mayes

Title Assistant Field Manager, ands And Minerals

Office

ROSWELL FIELD OFFICE

APPROVED FOR 2 YEARS 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 contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant to contain the subject lease which would entitle the applicant the subject lease which would entitle the applicant the subject lease which would entitle the subject lease which we will be subject lease which will be subject lease wh operations thereon

Conditions of approval, if any, are attached

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Unite States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

^{* (}Instructions on page 2)

District I 7
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210

<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

			WELL LC	CATIO	N AND ACR	EAGE DEDIC	ATION PLA	$_{ m T}$	
¹ API Number		² Pool Code				ne			
			7	6730		Undes	ignated Foor Ran	ich, Pre-Permian	
⁴ Property (Code			⁵ Property Name					Well Number
29701	ŀ			SPEAR OA FEDERAL COM					
OGRID !	No.			8 Operator Name					
025575	: }			YATES PETROLEUM CORPORATION					3812'
					¹⁰ Surface l	Location			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	4	9S	26E		1980	SOUTH	1980	WEST	CHAVES
		<u> </u>	¹¹ Bo	ottom Ho	le Location If	Different Fron	n Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320 W/2	13 Joint o	r Infill	¹⁴ Consolidation	Code 15 Or	der No.	1		1	

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.

Annual Control of the		
The state of the s		17 OPERATOR CERTIFICATION
		I hereby certify that the information contained herein is true and complete
NM-16790		to the best of my knowledge and belief, and that this organization either
		owns a working interest or unleased mineral interest in the land including
		the proposed bottom hole location or has a right to drill this well at this
		location pursuant to a contract with an owner of such a mineral or working
		interest, or to a voluntary pooling agreement or a compulsory pooling
		order heretofore entered by the division
		Reboie & Callalano
		Signature Date
		Debbie L. Caffall
	ACCURACY.	Printed Name
		Regulatory Agent
125		Title
		¹⁸ SURVEYOR CERTIFICATION
NM-28171		I hereby certify that the well location shown on this
1980'		plat was plotted from field notes of actual surveys
· ·		made by me or under my supervision, and that the
		same is true and correct to the best of my belief
		Date of Survey
		Signature and Seal of Professional Surveyor
		'
980		REFER TO ORIGINAL PLAT
0	54 1	
		Certificate Number

1605 M. Prench Dr., Hobbs, HR 86010 DISTRICT II 811 South Pirst, Artesia, NM 88210

1008 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

API Number

DISTRICT 111

Energy, Minerale and Natural Resources Department

Revised March 17, 1900 instruction on back Submit to Appropriate District Office

State Louse - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

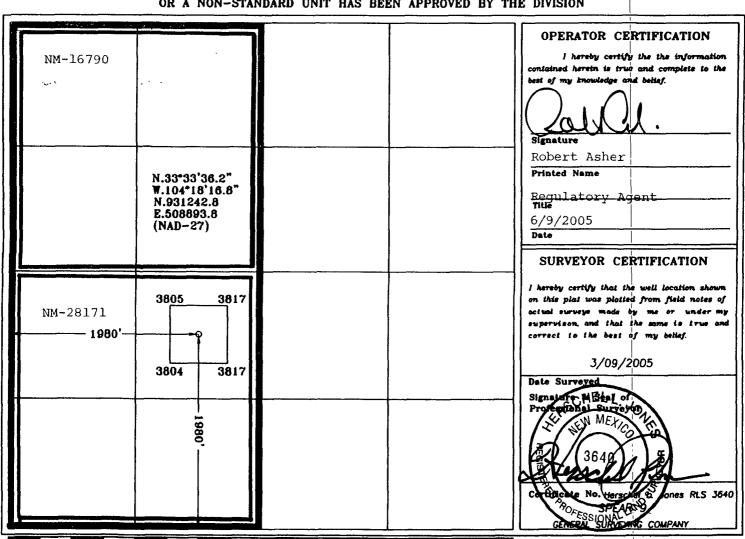
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code

						Wilde	cat Precambr	ian		
Property Code			Property Name						Well Number	
				SPE	AR "OA" FEDERA	IL COM.		9		
OGRID N	D.	Operator Name						R	Elevation	
025575			YATES PETROLEUM CORPORATION						3812	
					Surface Loc	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West li	ne County	
κ	4	95	26E		1980	SOUTH	1980	WEST	CHAVES	
			Bottom	Hole Loc	cation If Diffe	erent From Sur	face			
UL or lot No.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Peet from the	East/West li	ne County	
	<u></u>	<u> </u>		<u> </u>		<u></u>				
Dedicated Acre	s Joint o	or Infill Co	nsolidation	Code Or	der No.					
320		}		ļ						

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



YATES PETROLEUM CORPORATION Spear OA Federal Com. #9

1980' FSL and 1980' FWL Section 4-T9S-R26E Chaves County, New Mexico

The estimated tops of geologic markers are as follows:

Queen	400'	Wolfcamp	4970'
Penrose	505'	WC B Zone	5065
Grayburg	680'	Spear Zone	5320'
San Andres	915'	Cisco	5570'
Glorieta	1990'	Strawn	5695'
Yeso	2105'	Mississippian	5885'
Tubb	3550'	Siluro-Devonian	6000'
Abo	4290'	Precambrian	6230'
		TD	6380'

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

Water:

1.

150'-200'

Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 8 5/8" casing and rated for 2000 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>
12 1/4"	8 5/8"	24#	J-55	ST&C	0-1100'
7 7/8"	5 1/2"	15.5#	J-55	ST&C	0-6380'

1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.8

Spear OA Federal Com. #9 Page 2

A. CEMENTING PROGRAM:

Surface Casing: 450 sx Lite "C" (YLD 2.0 WT 12.5). Tail in with 200 sx "C" with 2% CaCL2 (YLD 1.33 WT 15.6).

Production Casing: 650 sx Pecos Valley Lite (YLD 1.41 WT 13.0). TOC: See COA's.

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

Interval	Type	Weight	<u>Viscosity</u>	<u>Fluid Loss</u>
0-1100'	FW GEL,Paper,LCM	8.6 - 9.5	32-34	N/C
1100'-4200'	Brine	10.0 -10.2	28	N/C
4200'-6380'	Starch/Salt Gel/4-6% KCL	9.3 -10.2	32-40	

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: 10' samples out from under surface casing.

Logging: CNL/LDT/NGT TD-Surf Csg; with CNL/GR TD - Surf Csg;

DLL/MSFL TD-Surf Csg: BHC Sonic TD-Surf Csg

FMI TD to top of Wolfcamp.

Coring: None DST's: None

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

Anticipated BHP:

From: 0 TO: 1100' Anticipated Max. BHP: 550 PSI From: 1100' TO: 6380' Anticipated Max. BHP: 3250 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None Anticipated

Maximum Bottom Hole Temperature: 110 F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 25 days to drill the well with completion taking another 20 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN YATES PETROLEUM CORPORATION Spear OA Federal Com. #9

1980' FSL and 1980' FWL Section 4-T9S-R26E Chaves County, New Mexico

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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.

1. 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 well site is located approximately 20 miles northeast of Roswell, New Mexico and the access route to the location is indicated in green (existing) and red (new) on Exhibit A.

DIRECTIONS:

Drive northeast of Roswell on Highway 70 for approximately 14 miles to Magdalena Road (across from Acme schoolhouse). Turn right (south) on Magdalena and drive approximately 4.3 miles, existing lease road is on the left, turn left (northeast), continue northeast for approximately 1.1 miles, the road curves to the left (north), continue north for approximately 0.2 of a mile to an existing lease road on the left (west), continue on lease road for approximately 0.6 of a mile (passing the Engwall RL Federal #1 well) to the Engwall RL Federal #4 well location, the new road is staked on the northwest corner of the pad, follow staking for new road west approximately 0.3 of a mile to the southeast corner of the well location.

2. PLANNED ACCESS ROAD:

- A. The proposed new access will be approximately 1,362' in length from the point of origin (NW corner of the Engwall RL Federal #4 location) to the southeast corner of the drilling pad. Approximately 856' of the new access is off lease in the SE/4 of Section 4, T9S-R26E. The road will lie in a east to west 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. Existing roads will be maintained in the same or better condition.

3. LOCATION OF EXISTING WELL:

- A. There is drilling activity within a one-mile radius of the well site.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed well site.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There are 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.

Spear OA Federal Com #9 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 landfill. Burial on site is not approved.

8. ANCILLARY FACILITIES: NONE

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. Yates Petroleum Corporation is in full compliance with the OCD General Plan for Drilling Pits, approved on April 15, 2004. The reserve pits will be plastic lined (12 mil. thick with an estimated volume of 24.000 bbls).

C. A 600' x 600' 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 well site 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.

Spear OA Federal Com #9 Page 3

11. SURFACE OWNERSHIP: Bureau of Land Management, Roswell, New Mexico.

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: B. Debbie L. Caffall, Regulatory Agent Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

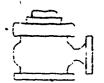
Through Drilling, Completions & Prod. Ray Stall, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

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.

06/07/07

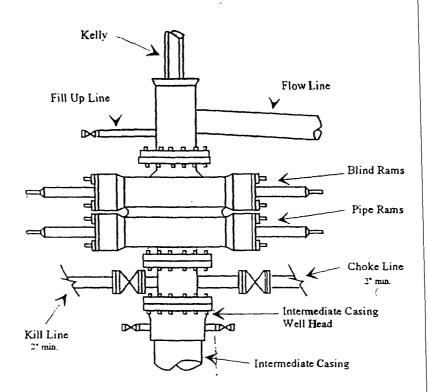
Regulatory Agent



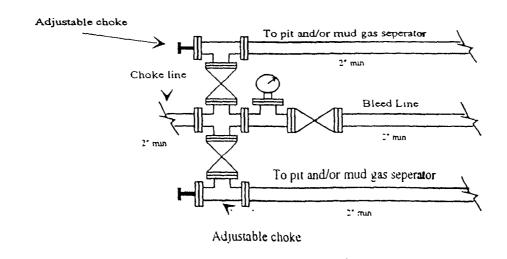
Yates Petroleum Corporation Spear OA Federal Com. #9 1980' FSL and 1980' FWL Section 4, T9S-R26E Chaves County, New Mexico Exhibit "B"

Yates Petroleum Corporation

Typical 2,000 psi Pressure System
Schematic
Double Ram Preventer Stack



Typical 2,000 psi choke manifold assembly with at least these minimum features





3 of 5 pages

III. DRILLING OPERATION REQUIREMENTS:

A. GENERAL DRILLING REQUIREMENTS:

- 1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell NM 88201, (505) 627-0272 in sufficient time for a representative to witness:
- A. Spudding
- B. Cementing casing: 85/8 inch 51/2 inch
- C. BOP tests
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 3. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.
- 4. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.
- 5. A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales.

B. CASING:

- 1. The 85% inch surface casing shall be set at 1100' and cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.
- 2. The minimum required fill of cement behind the _5½ inch intermediate casing is cement shall extend upward a minimum of 200 feet above the Glorieta formation.

C. PRESSURE CONTROL:

- 1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the 8½ inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.
- 2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 2000 psi.
- 3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.
- A. The results of the test shall be reported to the appropriate BLM office.
- B. Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures.
- C. Use of drilling mud for testing is not permitted since it can mask small leaks.
- D. Testing must be done in a safe workman-like manner. Hard line connections shall be required.
- E. BOPE shall be tested before drilling into the Wolfcamp formation.

D. DRILLING MUD:

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the <u>Wolfcamp</u> formation, and shall be used until production casing is run and cemented. Monitoring equipment shall consist of the following:

- A. Recording pit level indicator to indicate volume gains and losses.
- B. Mud measuring device for accurately determining the mud volumes necessary to fill the hole during trips.
- C. Flow-sensor on the flow-line to warn of abnormal mud returns from the well.