Form 3160-3				CISF	
Form 3160-3				0	
(August 1999)	<b>n</b>			. 1004-0136	
$\begin{pmatrix} c_1^{\prime} & 0^{CD} \end{pmatrix}$ UNITED STATES			5. Lease Serial No.	ember 30, 2000	
E BUREAU OF LAND MANAG				-93184	
			6. If Indian, Allottee		
APPLICATION FOR PERMIT TO D	RILL OR REENTER			oplicable	
1a. Type of Work: X DRILL REI	ENTER		7. If Unit or CA Agre	-	
	ENTER	g C	V 79 Not Ar	plicable	
		$\mathcal{A}$ /	8. Lease Name and W		
b. Type of Well: Oil Well Gas Other Well	Single Zone	Multiple Zone	Jasper "AR	J" Federal #5	
2. Name of Operator 25575 Yates Petroleum Corporation Feer Rev	ich: Pro Per	Mlan	$30^{\circ} OOS$	- 63478	
3A. Address 105 South Fourth Street	3b. Phone No. (include area co	ode)	10. Field and Pool, or		
Artesia, New Mexico 88210	(505) 748-14	471	Wildert	Buomont	
4. Location of Well (Report location clearly and in accordance with any	v State requirements.*)		11. Sec., T., R., M., or	r Blk, and Survey or Area	
At surface 660' FSL an	d 660' FWL				
	as above Unit	M		5, T8S-R26E	
14. Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State	
Approximately twenty (20) miles Northeast of Ros 15. Distance from proposed*	T		Chaves County	New Mexico	
15. Distance from proposed violation to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)       660'	<ol> <li>16. No. of Acres in lease</li> <li>800</li> </ol>	17. Spacing Ur	hit dedicated to this well 320 acres		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 6835'	20. BLM/BIA	Bond No. on file NM-2811		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work w	ill start*	23. Estimated duration	n	
3939' GL	ASAP		30 Days		
	24. Attachments				
The following, completed in accordance with the requirements of Onshor	e Oil and Gas Order No. 1, shall	be attached to this	form:		
1. Well plat certified by a registered surveyor.	4. Bond to co	over the operations	unless covered by an ex	isting bond on file (see	
2. A Drilling Plan.	Item 20 ab	ove).			
3. A Surface Use Plan (if the location is on National Forest System Land	s, the 5. Operator co	ertification.			
SUPO shall be filed with the appropriate Forest Service Office.	6. Such other authorized	-	ation and/or plans as ma	y be required by the	
25. Signature	Name (Printed/Typed	· · · · · · · · · · · · · · · · · · ·	Г	Date	
Tat Perer	Pat Perez		Ì	12/11/01	
Title:			<b>__</b>		
Regulatory Agent					
Approved by (Signature) /S/LARRY D. BRAY	Name (Printed/Typed	S/LARRY D	BRAY	Date APR 2 9 2002	
Title Assistant Field Manager,	IOffice		<b></b>		
Lands And Minerals	KO2MELI	FIELD OFFIC		POVED FOR 1 YEAR	
Application approval does not warrant or certify that the applicant holds	legal or equitable title to those ri	ghts in the subject	lease which would entitle	e the applicant to conduct	
operations thereon.					
Conditions of approval, if any, are attached.					
Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, make it a	crime for any person knowingly	and willfully to ma	ake to any department or	agency of the United	

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

\*(Instructions on reverse)

# BECEVED

### 2001 DEC 1 1 BW 1: 51

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DISTRICT I

DISTRICT II 811 South First, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

#### State of New Mexico 🔶

Energy, Minerals and Natural Resources Departmen

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#### OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Wildcat Basement
Property Code	Property Name	Well Number
	JASPER "ARJ" FEDERAL	5
OGRID No.	Operator Name	Elevation
025575	YATES PETROLEUM CORPORATION	3939

#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
м	25	<i>8</i> S	26E		660	SOUTH	660	WEST	CHAVES

#### Bottom Hole Location If Different From 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	Joint o	r Infill Co	nsolidation (	Code Or	der No.				
320					_				

#### 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

			CELVED SIA 1314 15 OFFICE SIA 1314 15 AFETE SIA 15	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
	, N M	- 93184		12/06/01 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
N.33*35'07.0" W.104*15'24.3" 3939 3946 		Jasper"r of	RJ" fed. #1 1750'	11/07/2001 Date Surveyrell L L Signature & Stat of O Protosing all Surveyre to B B Certhioson, No. Horscher / Jones RLS 3640 JASSER ONIA GENERAL SURVEYING COMPANY

#### YATES PETROLEUM CORPORATION Jasper "ARJ" Federal #5 660' FSL and 660' FWL Section 25-T8S-R26E Chaves County, New Mexico

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

San Andres	1300'	Cisco	5930'
Glorieta	2380'	Strawn	6055'
Yeso	2500'	Mississippian	6285'
Tubb	3935'	Siluro-Devonian	6435'
Abo	4675'	Basement	6685'
Wolfcamp	5350'	TD	6835'

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 formations.

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)

<u>Hole Size</u>	<b>Casing Size</b>	<u>Wt./Ft</u>	<u>Grade</u>	Coupling	Interval	Length
12 ¼"	8 5/8"	24#	J-55	ST&C	0-1000'	1000'
7 7/8"	5 1/2"	15.5#	J-55	ST&C	0-6835'	6835'

- 1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, and Tensile Strength 1.8
- 2. A 2,000 psi BOP will be nippled up on the 8 5/8" casing and tested to 1000 psi. YPC requests a variance be granted in requiring the casing and BOPE to be tested to 2000 psi to testing the casing and BOPE to 1000 psi. The rig pumps will be used to test the casing and BOPE. Rig pumps used in this area cannot safely test above 1000 psi. We would have to go to the greater expense of hiring an independent service company to do the testing. Also, the bottom hole pressure in this field is proven to be near 1000 psi. A shut in surface pressure would be less than 1000 psi. We feel that a 1100 psi test will demonstrate that the BOPE is functioning properly, and in the unlikely event of a gas influx that the BOPE would be sufficient to control the well.

### Jasper "ARJ" Federal #5

#### Page 2

B. CEMENTING PROGRAM: Surface Casing:

Cement with 325 sx Lite "C" (YLD 2.0 WT 12.5). Tail in with 200 sx "C" + 2% CaCl2 (YLD 1.33 WT 15.6).

Production Casing: 550 sx PVL (YLD 1.34 WT 13). TOC 4100'.

#### 5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-1000'	FW GEL/Paper/LCM	8.6-9.6	32-36	N/C
1000'-4660'	Brine	10.0-10.2	28	N/C
4660'-6835'	Starch/Salt Gel	9.3-10.2	32-40	<6CC

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: Platform Express, CNL/LDT W/NGT to TD to surface casing, w/ GR/CNL TD to surface, DLL/MSFL TD to surface casing, BHC Sonic TD to surface casing; FMI TD - top of Wolfcamp; CMR over Strawn Sands.
 Coring: Sidewall DST's: None

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

Anticipate	ed BHP:		
From:	0	TO:	1000'
From:	1000'	TO:	6835'

Anticipated Max. BHP:	400	PSI
Anticipated Max. BHP:	3000	PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None Anticipated

Maximum Bottom Hole Temperature: 145 F

#### 8. ANTICIPATED STARTING DATE:

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

#### MULTI-POINT SURFACE USE AND OPERATIONS PLAN YATES PETROLEUM CORPORATION Jasper "ARJ" Federal #5 660' FSL and 660' FWL Section 25-T8S-R26E Chaves 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.

#### 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 red and green on Exhibit A.

#### DIRECTIONS:

Go northeast of Roswell, NM on Hwy 70 to Ponderosa Rd. Turn right, (southeast) on Ponderosa Rd and drive approximately 4 miles the El Paso Pipeline Road. Turn right & drive approx. 0.9 of a mile to road on the left. Turn left (over pipeline) and go approx. 1.1 mile to fork in the road (stay right). Drive approx 0.6 of a mile and turn right on lease road. Drive 0.2 of a mile to Elk Oil location (Jan St. #3) and continue north on road approx. 0.2 of a mile to the Jasper #1 location. The access road is staked on the left side of this location going west to the SE corner of the well pad.

#### 2. PLANNED ACCESS ROAD:

- A. The proposed new access will be approximately 0.50 of a mile from the point of origin to the southeast corner of the drilling pad.
- 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 both sides. No traffic turnout 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 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.

#### Jasper "ARJ" Federal #5 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, possibly in Roswell, and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

#### 6. SOURCE OF CONSTRUCTION MATERIALS:

The dirt contractor will be responsible for finding a source of material for construction of road and pad and will obtain any permits which may be required.

#### 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.
- 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. Note: Pits to East Southeast.
  - 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 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.

#### Jasper "ARJ" Federal #4 Page 3

- 11. SURFACE OWNERSHIP: The location is on Federal surface administered by the BLM, Roswell, New Mexico
- 12. **OTHER INFORMATION:** 
  - Α. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, and historical and cultural sites.
  - Β. The primary surface use is for grazing.
- 13. **OPERATOR'S REPRESENTATIVE:** 
  - Α. Through A.P.D. Approval: Β. Patricia Perez, Regulatory Agent Yates Petroleum Corporation **105 South Fourth Street** Artesia, New Mexico 88210 Phone (505) 748-1471
- Through Drilling, Completions & Prod. 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.

12/06/01

egulatory Agent





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



Adjustable choke



## Yates Petroleum Corporation Location Layout for Permian Basin Up to 12,000'

Yates Petroleum Corporation Jasper "ARJ" Federal #5 660' FSL & 660' FWL Section 25-T8S-R26E Chaves County, New Mexico Exhibit "C"



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