

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD-HOBBSFORM APPROVED
OMB No 1004-0135
Expires November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS****Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2 Name of Operator

Yates Petroleum Corporation

3a Address

105 South Fourth Street, Artesia, NM 88210

3b Phone No (include area code)

(505) 748-6871

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 1,930' FWL, Unit Letter N
Section 29, T9S-R34E

5 Lease Serial No

NM-104698

6. If Indian, Allottee or Tribe Name

Not Applicable

7. If Unit or CA/Agreement, Name and/o

Not Applicable

8. Well Name and No.

Gretchen BHX Federal #1

9 API Well No.

30-025-38159

10 Field and Pool, or Exploratory Area

Wildcat Mississippian

11. County or Parish, State

Lea County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other Change

hole and casing

sizes

13 Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Yates Petroleum Corporation respectfully requests permission to make the following changes to the hole and casir

Hole Size	Casing Size	Casing Weight/feet	Setting Depth	Sacks of Cement	Estimated
14 3/4"	11 3/4"	42#	400'	275 250sx	Circulated
				C/466 C 1.32 y/d	14.8 wt
11"	8 5/8"	32# & 24#	4,050'	1100sx	Circulated
				L 900 sx Lite C 2.0 y/d	12.9 wt
				T 200 sx C 1.32 y/d	14.8 wt
7 7/8"	5 1/2"	17#	12,400'	1800sx	3,550'
				1685	
				L 785 sx C/466 H 1.94 y/d	12.5 wt
				T 900 sx C/466 C 1.52 y/d	13.5 wt

Thank-you,

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Jeremiah Mullen

Title

Drilling Engineer Asst.

Signature

Date

May 22, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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

Office

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

WESLEY W. INGRAM
PETROLEUM ENGINEER



"Jeremiah Mullen"
<jmullen@YPCNM.COM>
06/21/2007 01:16 PM

To <Wesley_Ingram@nm.blm.gov>
cc
bcc
Subject Gretchen BHX Federal #1

**Yates Petroleum
Corporation**

Jeremiah Mullen (jmullen@ypcnm.com)
(505)748-4378
105 S. Fourth Street
Artesia, N.M. 88210

Mr. Wesley Ingram,

I received your message concerning a sundry I recently sent to you on the Gretchen BHX Federal #1.

In response, I have attached the requested information on the casing design for this well.

If you have any questions, please call me.

Thank-you,
Jeremiah Mullen



gretchen casing.xls

Surface Casing

1st segment	0 ft to 400 ft		Make up Torque ft-lbs				Total ft = 400
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
11.75 inches	42 #/ft	H-40	ST&C	3070	2300	3840	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
1,040 psi	1,980 psi	307,000 #		478,000 #		11	

Intermediate Casing

	0 ft to 100 ft		Make up Torque ft-lbs				Total ft = 100
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
8.625 inches	32 #/ft	J-55	ST&C	3720	2790	4650	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
2,530 psi	3,930 psi	372,000 #		503,000 #		7.875-SD	

	100 ft to 2,100 ft		Make up Torque ft-lbs				Total ft = 2,000
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
8.625 inches	24 #/ft	J-55	ST&C	4970	3020	6210	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
1,370 psi	2,950 psi	244,000 #		381,000 #		7.972	

	2,100 ft to 4,050 ft		Make up Torque ft-lbs				Total ft = 1,950
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
8.625 inches	32 #/ft	J-55	ST&C	3720	2790	4650	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
2,530 psi	3,930 psi	372,000 #		503,000 #		7.875-SD	

Production Casing

	0 ft to 2,900 ft		Make up Torque ft-lbs				Total ft = 2,900
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
5.5 inches	17 #/ft	L-80	LT&C	3410	2560	4260	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
6,290	7,740 psi	338,000 #		397,000 #		4.767	

	2,900 ft to 7,500 ft		Make up Torque ft-lbs				Total ft = 4,600
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
5.5 inches	17 #/ft	J-55	LT&C	2470	1850	3090	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
4,910	5,320 psi	247,000 #		273,000 #		4.767	

	7,500 ft to 12,400 ft		Make up Torque ft-lbs				Total ft = 4,900
O.D.	Weight	Grade	Threads	opt.	min.	mx.	
5.5 inches	17 #/ft	HCP-110	LT&C	4620	3470	5780	
Collapse Resistance	Internal Yield	Joint Strength		Body Yield		Drift	
8,580 psi	10,640 psi	445,000 #		546,000 #		4.767	