

Form 3160-4  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other **AMENDMENT**

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other

2. Name of Operator

Yates Petroleum Corporation

3. Address

105 S. 4th Str., Artesia, NM 88210

3a. Phone No. (include area code)

505-748-1471

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At Surface

990'FSL and 660'FWL (Unit M, SWSW)

At top prod. Interval reported below

At total depth

RECEIVED

OCT 07 2004

OCS-ARTESIA

5. Lease Serial No.

NM-111987 *New*

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Buckaroo AYG Federal #1

9. API Well No.

30-015-31894

10. Field and Pool, or Exploratory

Wildcat Atoka

11. Sec., T., R., M., on Block and Survey or Area

Section 1-T20S-R21E

12. County or Parish 13. State

Eddy

New Mexico

14. Date Spudded

RH 8/3/01 RT 8/19/01

15. Date T.D. Reached

9/11/01

16. Date Completed

12/30/02

☐ D & A☐ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*

4256' GL

18. Total Depth: MD

8050'

TVD

NA

19. Plug Back T.D.:

MD 7700'

TVD

NA

20. Depth Bridge Plug Set:

MD 7700'

TVD

NA

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

CNL, Azimuthal Laterolog, Borehole Compensated Sonic

22. Was Well cored?

☒ No☐ Yes

( Submit analysis)

Was DST run?

☒ No☐ Yes

( Submit report)

Directional Survey?

☒ No☐ Yes

( Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt.(#/ft.)	Top (MD)	Bottom(MD)	State Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
	20"		Surface	40'				Surface	
17-1/2"	13-3/8"	48#	Surface	355'		600 sx		Surface	
12-1/4"	8-5/8"	24#	Surface	1595'		1375 sx		Surface	
7-7/8"	5-1/2"	15.5#&17#	Surface	8050'		750 sx		3450'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
		7333'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Atoka	7426'	7456'	7746'-7754'	4 JSPF	36	Under CIBP
B)			7426'-7430'	4 JSPF	20	Open
C)			7446'-7456'		44	Open
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7746'-7754'	Acidize w/750g 7-1/2% MSA acid
7426'-7456'	Acidize w/1000g 7-1/2% MSA acid w/69 ball sealers

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
	9/29/01	24	⇒	0	29	0	NA	NA	
Choke Size	Tbg. Press. Flwg.	Csg. Press. Packer	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
1/8"	70 psi		⇒	0	29	0	NA		SIWOPLC

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			⇒						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			⇒						

ACCEPTED FOR RECORD

OCT - 7 2004

Production Method  
M. C. SWOBODA  
PETROLEUM ENGINEER

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production ⇒	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate ⇒	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production ⇒	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate ⇒	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold if produced

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas Depth
				San Andres	1207'
				Glorieta	1884'
				Yeso	2079'
				Tubb	2771'
				Lower Yeso	2866'
				Abo	3382'
				Wolfcamp	4543'
				Cisco	5961'
				Strawn	7180'
				Atoka	7395'
				Morrow	7692'
				Chester	7920'

## 32. Additional remarks (include plugging procedure):

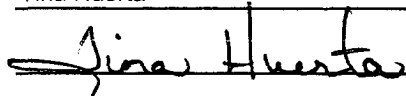
## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)      2. Geologic Report      3. DST Report      4. Directional Survey  
5. Sundry Notice for plugging and cement verification      6. Core Analysis      7. Other Deviation Survey

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Tina Huerta Title Regulatory Compliance Supervisor

Signature

Date September 30, 2004

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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.