

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO 1004-0137  
Expires July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

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)  
575-748-1471

4 Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At Surface 330'FNL & 480'FEL (Unit A, NENE)  
At top prod Interval reported below  
BHL 658'FNL & 4342'FEL (Unit D, NWNW)

5 Lease Serial No  
NM-85891

6 If Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No

8 Lease Name and Well No  
Knoll AOK Federal #2H

9 API Well No  
30-015-35108

10 Field and Pool or Exploratory  
Cedar Canyon; Bone Spring

11 Sec., T., R., M., on Block and Survey or Area  
Section 3-T24S-R29E

12 County or Parish  
Eddy

13 State  
New Mexico

14 Date Spudded  
4/25/08

15 Date T D Reached  
6/11/08

16 Date Completed  
10/8/08  
☐ D & A ☒ Ready to Prod

17 Elevations (DF, RKB, RT, GL)\*  
3083'GL 3101'KB

18 Total Depth MD 11,861'  
TVD 8400'

19 Plug Back T D MD 11,518'  
TVD NA

20 Depth Bridge Plug Set MD NA  
TVD NA

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CNL, Hi-Res Laterolog Array, CBL

22 Was Well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy) (Attached)

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"	Cond.	Surface	40'		Redi-mix		Surface	
17-1/2"	13-3/8"	48#	Surface	720'		755 sx		Surface	
12-1/4"	9-5/8"	36#	Surface	3170'		1300 sx		Surface	
8-3/4"	5-1/2"	17#	Surface	11,558'		2566 sx		Surface	

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	7366'	7366'						

25 Producing Intervals

Formation	Top	Bottom
A) Bone Spring	8553'	11,451'
B)		
C)		
D)		

26 Perforation Record

Perforated Interval	Size	No Holes	Perf Status
SEE ATTACHED SHEET			

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

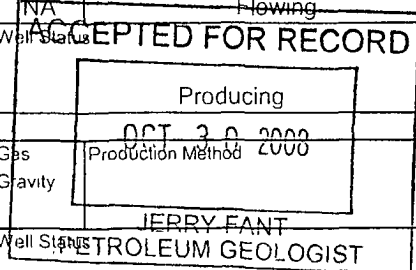
Depth Interval	Amount and Type of Material
SEE ATTACHED SHEET	

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
10/9/08	10/17/08	24	→	644	1304	391	NA	NA	Flowing
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
18/64"	1250 psi	Packer	→	644	1304	391	NA	NA	

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	
			→						



## 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

## 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
				Rustler	150'
				TOS	728'
				BOS	2912'
				Bell Canyon	3190'
				Cherry Canyon	4060'
				Brushy Canyon	5290'
				Bone Spring	6919'

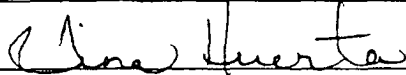
32 Additional remarks (include plugging procedure)

33 Indicate which items have been attached by placing a check in the appropriate boxes

- ☒ Electrical/Mechanical Logs (1 full set req'd )
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ 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 October 23, 2008

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

(Continued on page 3)

(Form 3160-4, page2)


**Form 3160-4 continued:**

26. Perforation Record			
Perforated Interval	Size	No. Holes	Perf. Status
11,448'-11,451'		18	Producing
11,356'-11,359'		18	Producing
11,231'-11,234'		18	Producing
11,106'-11,109'		18	Producing
10,982'-10,985'		18	Producing
10,857'-10,860'			Producing
10,732'-10,735'			Producing
10,607'-10,610'			Producing
10,428'-10,432'			Producing
10,303'-10,306'			Producing
10,178'-10,181'			Producing
10,053'-10,056'			Producing

26. Perforation Record			
Perforated Interval	Size	No. Holes	Perf. Status
9928'-9931'			Producing
9803'-9806'			Producing
9678'-9681'			Producing
9553'-9556'			Producing
9428'-9431'			Producing
9303'-9306'			Producing
9178'-9181'			Producing
9053'-9056'			Producing
8928'-8931'			Producing
8803'-8806'			Producing
8690'-8693'			Producing
8553'-8556'			Producing

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

Depth Interval	Amount and Type of Material
11,558'-11,861' (Openhole)	Spotted 400g 15% IC acid, Frac with 132,000g Delta Frac 200 and 200,000# 20/40 Expedite
10,607'-10,985'	Frac w/132,000g Delta Frac 200 and 200,000# 20/40 Expedite
10,053'-10,432'	Frac w/132,000g Delta Frac 200 and 200,000# 20/40 Expedite
9553'-9931'	Frac w/132,000g Delta Frac 200 and 200,000# 20/40 Expedite
9053'-9431'	Frac w/132,000g Delta Frac 200 and 200,000# 20/40 Expedite
8553'-8931'	Frac w/132,000g Delta Frac 200 and 200,000# 20/40 Expedite

  
Regulatory Compliance Supervisor  
October 21, 2008