

# 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)  
505-748-1471

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

At Surface 990'FNL & 990'FEL (Unit A, NENE)

At top prod. Interval reported below

Same as above

At total depth Same as above

RECEIVED

FEB 24 2004

OCD-ARTESIA

5. Lease Serial No.

NM-92155

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Luminary BAU Federal Com #2

9. API Well No.

30-005-63567

10. Field and Pool, or Exploratory  
Wildcat Silurian

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

Section 35-T11S-R26E

12. County or Parish 13. State

Chaves

New Mexico

14. Date Spudded  
RH 11/17/03 RT 11/19/03

15. Date T.D. Reached  
12/5/03

16. Date Completed 2/10/04  
☐ D & A ☐ Ready to Prod.

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

3643'GL 3660'KB

18. Total Depth: MD 6100'  
TVD NA

19. Plug Back T.D.: MD NA  
TVD NA

20. Depth Bridge Plug Set: MD NA  
TVD NA

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

CNL, Azimuthal Laterolog, CBL,  
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
12-1/4"	16"	24#	Surface	40'		Conductor		Surface	
8-5/8"	8-5/8"		Surface	1038'		710 sx		Surface	
7-7/8"	5-1/2"	15.5#	Surface	6100'		550 sx		3470'CBL	

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"	5930'	5930'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Silurian	5996'	6004'	5996'-6004'		17	Open
B)						
C)						
D)						

26. Perforation Record

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

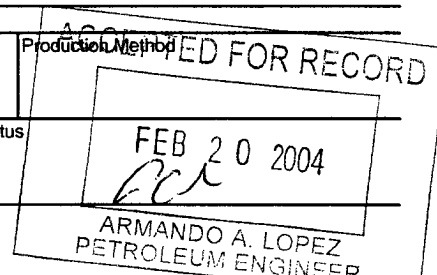
Depth Interval	Amount and Type of Material

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
	12/17/03	24 hrs	⇒	0	996	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	
3/8"	280 psi		⇒	0	996	0	NA	SIWOPL	

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 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
				Queen	287'
				Penrose	476'
				Grayburg	674'
				San Andres	926'
				Glorieta	2122'
				Yeso	2230'
				Tubb	3634'
				Abo	4417'
				Wolfcamp	5136'
				WC B Zone	5234'
				Spear	5498'
				Cisco	5736'
				Strawn	5891'
				Siluro-Devonian	5993'

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

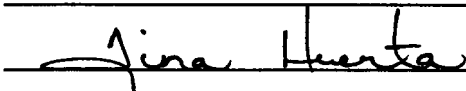
## 33. Circle enclosed attachments:

- ☒ 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 February 10, 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.

OPERATOR: YATES PETROLEUM CORP.  
WELL/LEASE: LUMINARY BAU FED. COM. *12*  
COUNTY: CHAVES

049-0024

STATE OF NEW MEXICO  
DEVIATION REPORT

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405	3/4
790	1/4
1,000	1/4
1,271	1/2
1,522	1
1,774	3/4
2,025	1/4
2,276	1/2
2,526	3/4
2,777	1/2
3,030	1 1/4
3,280	1/2
3,531	3/4
3,782	1/2
4,032	3/4
4,253	1
4,503	1 1/4
4,753	1
4,978	2 1/2
5,140	2 1/2
5,260	2 1/2
5,380	2 1/4
5,508	2 1/2
5,571	2
5,691	2
5,820	1 3/4
5,976	1 1/4
6,100	1/2

By: *Steve Moore*

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 29th day of December, 2003, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

My Commission Expires: 4/08/2007

*Joni D. Hodges*  
Notary Public for Midland County, Texas

