

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 200'FNL & 900'FEL (Unit A, NENE)

At top prod. Interval reported below

BHL 4943'FNL & 891'FEL (Unit P, SESE)

5. Lease Serial No.

NM-81953

6. If Indian, Allottee or Tribe Name

NA

7. Unit or CA Agreement Name and No.

NA

8. Lease Name and Well No.

Glow Worm ALX Federal #16H

9. API Well No.

30-015-36369

10. Field and Pool or Exploratory

Los Medanos; Delaware

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

Section 4-T23S-R31E

12. County or Parish

Eddy

13. State

New Mexico

14. Date Spudded
RH 12/2/10 RT 12/10/10

15. Date T.D. Reached
1/5/11

16. Date Completed 3/7/11
☐ D & A ☒ Ready to Prod.

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

3397'GL

18. Total Depth: MD 12,525'
TVD NA

19. Plug Back T.D.: MD 12,476'
TVD NA

20. Depth Bridge Plug Set: MD NA
TVD NA

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

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
26"	20"	Cond.	0	40'		Redi-mix		0	
17-1/2"	13-3/8"	48#	0	582'		490sx "C"		0	
12-1/4"	9-5/8"	40#	0	4085'		925sx "C"		0	
8-1/2"	5-1/2"	17#	0	12,525'		910sx PVL 1125sx "C" 100sx "H"		0	

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"	7515'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware	8404'	12,465'				
B)						
C)						

SEE ATTACHED SHEET

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

Depth Interval	Amount and Type of Material

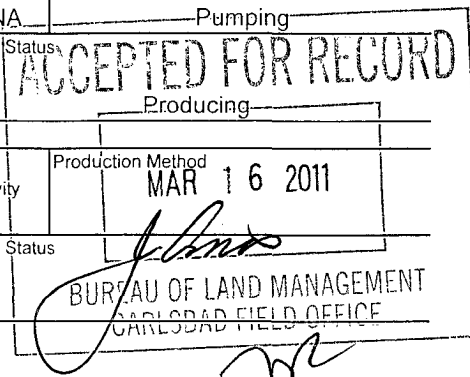
SEE ATTACHED SHEET

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
3/8/11	3/9/11	24	→	279	340	1697	NA	NA	Pumping
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
NA	220 psi	NA	→	279	340	1697	NA	Producing	

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	563'	3985'		Rustler	563'
BOS	3986'	4279'		BOS	3986'
Bell Canyon	4280'	5289'		Bell Canyon	4280'
Cherry Canyon	5290'	6933'		Cherry Canyon	5290'
Brushy Canyon	6934'	12,525'		Brushy Canyon	6934'
REFER TO LOG					

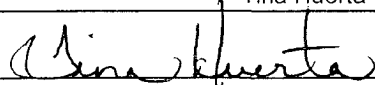
32. Additional remarks (include plugging procedure):

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 & CBL

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

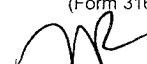
Name (please print) Tina Huerta Title Regulatory Compliance Supervisor

Signature  Date March 9, 2011

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
12,465'		12	Producing
12,327'		12	Producing
12,207'		12	Producing
12,067'		12	Producing
11,941'		12	Producing
11,810'		12	Producing
11,679'		12	Producing
11,548'		12	Producing
11,417'		12	Producing
11,286'		12	Producing
11,155'		12	Producing
11,024'		12	Producing
10,893'		12	Producing
10,762'		12	Producing
10,631'		12	Producing
10,500'		12	Producing

26. Perforation Record			
Perforated Interval	Size	No. Holes	Perf. Status
10,369'		12	Producing
10,238'		12	Producing
10,107'		12	Producing
9976'		12	Producing
9845'		12	Producing
9714'		12	Producing
9583'		12	Producing
9452'		12	Producing
9321'		12	Producing
9190'		12	Producing
9059'		12	Producing
8928'		12	Producing
8797'		12	Producing
8666'		12	Producing
8535'		12	Producing
8404'		12	Producing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.	
Depth Interval	Amount and Type of Material
12,067'-12,465'	Frac w/30# Borate x-linked gel system, 188,020# 20/40 Texas Gold, 72,464# 20/40 Super LC
12,007'	Spotted 2500g 7-1/2% NEFE HCL
11,548'-11,941'	Frac w/30# Borate x-linked gel system, 184,620# 20/40 Texas Gold, 80,000# 20/40 Super LC
11,483'	Spotted 2500g 7-1/2% NEFE HCL
11,024'-11,417'	Frac w/30# Borate x-linked gel system, 195,400# 20/40 Texas Gold, 72,776# 20/40 Super LC
10,959'	Spotted 2500g 7-1/2% NEFE HCL
10,500'-10,893'	Frac w/30# Borate x-linked gel system, 195,102# 20/40 Texas Gold, 75,400# 20/40 Super LC
10,435'	Spotted 2500g 7-1/2% NEFE HCL
9976'-10,369'	Frac w/30# Borate x-linked gel system, 153,118# 20/40 Texas Gold, 78,210# 20/40 Super LC
9911'	Spotted 2500g 7-1/2% NEFE HCL
9452'-9845'	Frac w/30# Borate x-linked gel system, 195,024# 20/40 Texas Gold, 71,022# 20/40 Super LC
9387'	Spotted 2500g 7-1/2% NEFE HCL
8928'-9321'	Frac w/30# Borate x-linked gel system, 198,420# 20/40 Texas Gold, 84,544# 20/40 Super LC
8863'	Spotted 2500g 7-1/2% NEFE HCL
8404'-8797'	Frac w/30# Borate x-linked gel system, 199,135# 20/40 Texas Gold, 104,764# 20/40 Super LC


Regulatory Compliance Supervisor
March 9, 2011