

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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		5 Lease Serial No NM-81953							
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr Other: _____		6. If Indian, Allottee or Tribe Name							
2 Name of Operator Yates Petroleum Corporation		7. Unit or CA Agreement Name and No							
3 Address 105 S. 4th Str., Artesia, NM 88210	3a Phone No (include area code) 505-748-1471	8 Lease Name and Well No Glow Worm ALX Federal #13							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 330'FNL & 2160'FEL (Unit B, NWNE) At top prod interval reported below Same as above At total depth		9 API Well No 30-015-35315 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 2/8/07 RT 2/14/07	15 Date T D Reached 3/2/07	16. Date Completed 7/16/07 ☐ D & A ☒ Ready to Prod.							
17. Elevations (DF, RKB, RT, GL)* 3372'GL 3391'KB									
18. Total Depth MD 8228' TVD NA	19 Plug Back T D MD 8183' 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)							
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.	Surface	60'					
17-1/2"	13-3/8"	48#	Surface	558'		575 sx		Surface	
11"	8-5/8"	24,32#	Surface	4057'		1350 sx		Surface	
7-7/8"	5-1/2"	15.5,17#	Surface	8228'		1080 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"	8063'								
25 Producing Intervals					26 Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status			
A) Delaware	7810'	8034'					See Attached Sheet		
B)									
C)									
D)									
27 Acid, Fracture, Treatment, Cement Squeeze, Etc									
Depth Interval	Amount and Type of Material								
8008'-8034'	Acidize w/2000g 7-1/2% HCL acid w/40 ball sealers								
	Frac w/a water frac, 642 bbls fluid, 50,060# Ottawa w/expedite								
7810'-7906'	Frac w/a water frac, 1876 bbls fluid, 80,000# 20/40 Ottawa sand, 66,000# 20/40 expedite								
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
7/17/07	7/31/07	24	→	212	224	336	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	NA	NA	→	212	224	336	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	
			→						

*(See instructions and spaces for additional data on page 2)

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	500'
				BOS	3940'
				Bell Canyon	4240'
				Cherry Canyon	5316'
				Brushy Canyon	6910'
				Bone Spring	8086'

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

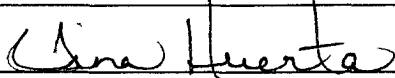
34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name(please print)

Tina Huerta

Title Regulatory Compliance Supervisor

Signature



Date

August 22, 2007

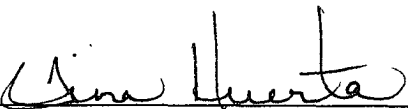
Title 18 U S C Section 1001 and Title 43 U S C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Yates Petroleum Corporation
Glow Worm ALX Federal #13
Section 4-T23S-R31E
Eddy County, New Mexico
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Form 3160-4 continued:

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
8008'-8034'		27	Producing
7810'-7816'		7	Producing
7856'-7864'		9	Producing
7874'-7878'		5	Producing
7881'-7885'		5	Producing
7898'-7906'		9	Producing



Regulatory Compliance Supervisor
August 22, 2007

INCLINATION REPORT

2. LEASE NAME

GLOW WORM ALX FED 13

3. OPERATOR

YATES PETROLEUM

4. ADDRESS

105 SOUTH 4TH ST.

ARTESSIA, NM 88210

County

EDDY

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
243	2.43	0.25	0.44	1.06	1.06
430	1.87	0.50	0.87	1.62	2.68
558	1.28	0.75	1.31	1.67	4.35
880	3.22	0.75	1.31	4.21	8.56
1068	1.88	0.75	1.31	2.46	11.02
1160	0.92	0.75	1.31	1.20	12.22
1537	3.77	0.75	1.31	4.93	17.15
2099	5.62	0.75	1.31	7.36	24.51
2392	2.93	0.75	1.31	3.83	28.34
3232	8.40	0.50	0.87	7.30	35.64
3703	4.71	1.50	2.62	12.34	47.98
3793	0.90	1.00	1.75	1.57	49.55
4027	2.34	1.75	3.05	7.13	56.68
4225	1.98	1.00	1.75	3.46	60.14
4720	4.95	0.50	0.87	4.30	64.44
5441	7.21	0.25	0.44	3.17	67.61
5912	4.71	0.50	0.87	4.09	71.70
6384	4.72	0.25	0.44	2.07	73.77
7580	11.96	0.75	1.31	15.66	89.43
7826	2.46	1.00	1.75	4.30	93.73

Bill

Drilling Manager
Lariat Services, Inc.
432-561-5510

Sworn to and subscribed before me this

Sherry Elaine Maynard

day of

March 20 *07*

Notary Public Signature

