

N.M. Oil Cons. DIV-Dist. 2

Form 3160-4
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT1801 W. Grand Avenue
Artesia, NM 88210FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

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

Other:

RECEIVED

OCT 29 2004

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 430'FSL & 2180'FEL (Unit O, SWSE)

At top prod. Interval reported below

At total depth Same as above

Same as above

OCT 28 2004
ALEXIS C. SWOBODA
PETROLEUM ENGINEER

5. Lease Serial No.

NM-27729

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Baetz BDU Federal #1

9. API Well No.

30-015-33438 SI

10. Field and Pool, or Exploratory

Nash Draw Delaware

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

Section 19-T23S-R30E

12. County or Parish 13. State

Eddy

New Mexico

14. Date Spudded
RH 6/28/04 RT 6/30/04

15. Date T.D. Reached
7/14/04

16. Date Completed 9/26/04
☐ D & A ☒ Ready to Prod.

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

3076'GL 3094'KB

18. Total Depth: MD 7500'
TVD NA

19. Plug Back T.D.: MD 7190'
TVD NA

20. Depth Bridge Plug Set: MD 7190'
TVD NA

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

CNL, Hi-Res Laterolog Array

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 Skis & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
	20"	Conductor	Surface	40'					
17-1/2"	13-3/8"	48#	Surface	431'		460 sx		Surface	
11"	8-5/8"	32#	Surface	3227'		960 sx		Surface	
7-7/8"	5-1/2"	15.5#	Surface	7500'		1425 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)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware	6458'	7080'				
B)						
C)						
D)						

SEE ATTACHED SHEET

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

Depth Interval	Amount and Type of Material
7212'-7236'	Acidize w/2000g 7-1/2% IC HCL acid w/46 ball sealers
6886'-7080'	2500g 7-1/2% IC HCL acid. Frac w/20# borate XL gel w/1204 bbls fluid, 1500sx 20/40 Super LC
6458'-6484'	1000g 7-1/2% IC HCL acid. Frac w/20# borate XL gel w/572 bbls fluid, 340 sx 20/40 Super LC

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
9/27/04	10/2/04	24	⇒	31	19	306	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	⇒	31	19	306	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
				Top of Salt	358'
				Lamar	3326'
				Bell Canyon	3364'
				Cherry Canyon	4180'
				Brushy Canyon	5444'
				Bone Springs	7098'
				TD	7500'

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

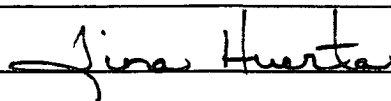
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

Tina Huerta

Title Regulatory Compliance Supervisor

Signature



Date October 22, 2004

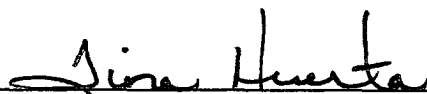
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Yates Petroleum Corporation
Baetz BDU Federal #1
Section 19-T23S-R30E
Eddy County, New Mexico

Form 3160-4 continued:

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
7212'-7216'		9	Under CIBP
7220'-7226'		13	Under CIBP
7232'-7236'		9	Under CIBP
6886'-6890'		5	Producing
6906'-6910'		5	Producing
6928'-6932'		5	Producing
6964'-6994'		31	Producing
7040'-7060'		21	Producing
7078'-7080'		3	Producing
6458'-6484'		27	Producing


Regulatory Compliance Supervisor
October 22, 2004

OPERATOR: YATES PETROLEUM
WELL/LEASE: BAETZ BDU FED 1
COUNTY: EDDY, NM

076-0062

STATE OF NEW MEXICO
DEVIATION REPORT

484	0.75
732	0.75
1,233	0.75
1,736	1.00
2,238	0.50
2,521	2.00
2,616	1.00
2,710	1.50
2,785	1.14
2,822	0.88
2,884	1.06
2,945	1.41
3,008	1.14
3,070	1.32
3,132	0.70
3,172	0.53
3,660	1.25
4,161	0.75
4,694	0.75
5,191	0.75
5,685	0.25
6,186	1.50
6,685	1.00
7,219	0.75
7,472	1.00

By: Steve Moore

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 28th day of July, 2004, by Steve Moore on behalf of Patterson-UTi Drilling Company LP, LLLP.

J Robertson
Notary Public for Midland County, Texas

My Commission Expires: 8/23/2007



J ROBERTSON
Notary Public, State of Texas
My Commission Expires:
August 23, 2007