

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 1980'FNL & 660'FWL (Unit E, SWNW)

At top prod. Interval reported below Same as above

At total depth Same as above

5. Lease Serial No.

NM-90509

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Michael BBS Fed Com #1

9. API Well No.

30-005-63544

10. Field and Pool, or Exploratory

Pecos Slope Abo

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

Section 3-T5S-R25E

12. County or Parish

Chaves

13. State

New Mexico

14. Date Spudded
RH 2/20/03 RT 2/27/03

15. Date T.D. Reached
3/17/03

16. Date Completed 7/14/03
☐ D & A ☐ Ready to Prod.

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

3821'GR 3830'KB

18. Total Depth: MD 5350'
TVD NA

19. Plug Back T.D.: MD 4700'
TVD NA

20. Depth Bridge Plug Set: MD 5220' & 5110'
TVD NA

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

CNL, Azimuthal Laterolog, 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
	16"		Surf	40'		Conductor		Surf	
14-3/4"	11-3/4"	42#	Surf	926'		630 sx		Surf	
11"			Surf	1604'					
7-7/8"	5-1/2"	15.5#	1604'	5350'		2050 sx		Surf	

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"	3593'	3593'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Abo	3690'	3894'				
B)						
C)						
D)						

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

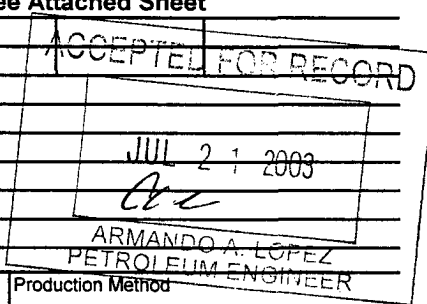
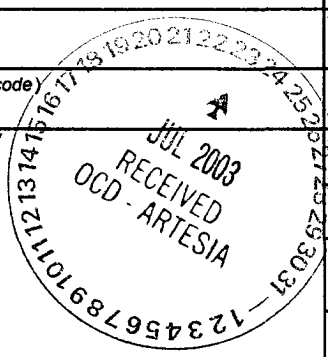
Depth Interval	Amount and Type of Material

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
	7/17/03	24	⇒	0	50	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	
8/64"	200 psi		⇒	0	50	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.

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas Depth
				San Andres	690'
				Glorieta	1522'
				Yeso	1640'
				Tubb	3014'
				Abo	3646'
				Wolfcamp	4402'
				WC B Zone	4488'
				Spear	4620'
				Cisco	4868'
				Strawn	5050'
				Pre-Cambrian	5158'

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 SupervisorSignature  Date July 15, 2003

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
Michael BBS Federal Com #1
Section 3-T5S-R25E

Form 3160-4 continued:

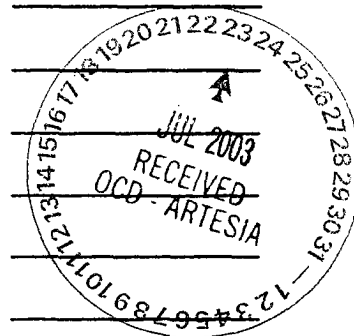
26. Perforation Record			
Perforated Interval	Size	No. Holes	Perf. Status
5250'-5276'	.42"	54	Under CIBP
5140'-5148'	.42"	18	Under CIBP
4962'-4970'			Squeeze
4990'-5000'			Squeeze
5006'-5012'		96 holes total	Squeeze
4766'-4772'			Under Composite
4820'-4826'			Under Composite
4852'-4858'			Under Composite
4880'-4886'			Under Composite
4908'-4914'		120 holes total	Under Composite
3690'-3698'			Open
3704'-3712'			Open
3752'-3758'			Open
3782'-3794'			Open
3802'-3810'			Open
3826'-3834'			Open
3836'-3844'			Open
3850'-3864'			Open
3878'-3882'			Open
3886'-3894'		94 holes total	Open

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.	
Depth Interval	Amount and Type of Material
5250'-5276'	Acidize w/1300g 7-1/2% IC HCL
5140'-5148'	Acidize w/800g 20% IC HCL
4962'-5012'	Acidize w/2400g 7-1/2% IC HCL + balls
4766'-4914'	Acidize w/3000g 7-1/2% IC HCL + balls
4766'-5012'	Frac w/95,000g 65Q CO2 foamed 35# x-linked gelled 7% KCL water carrying 75,000# Ottawa 20/40 sand
4692'-5012'	Squeeze perms with 200 sx "H" Neat cement
3690'-3894'	Frac w/110,000g 55Q CO2 foamed 35# x-linked gelled 7% KCL water carrying 250,000# 16/30 Brady sand

WELL NAME AND NUMBER Michael "BBS" Federal Com No. 1
LOCATION 1980' FNL & 660' FWL, Section 3, T5S, R25E, Chaves County NM
OPERATOR Yates Petroleum Corporation
DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/2° 505'</u>	<u>1/2° 4499'</u>	
<u>1/2° 1006'</u>	<u>1/2° 4973'</u>	
<u>3/4° 1510'</u>		
<u>3/4° 2009'</u>		
<u>1/2° 2516'</u>		
<u>1/2° 2989'</u>		
<u>3/4° 3525'</u>		
<u>3/4° 3995'</u>		



Drilling Contractor United Drilling, Inc.
By: George A. Aho
Title: Business Manager

Subscribed and sworn to before me this 19th day of March,
2003.

Karma Tankeley
Notary Public

My Commission Expires: 09-25-03

Chaves NM
County State