

Form 3160-4  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

1a. Type of Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,  
Other **RECOMPLETION (corrected)**

5. Lease Serial No.

NM-18483

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Morton SZ Federal #5

9. API Well No.

30-005-63242 *S2*

10. Field and Pool, or Exploratory

Pecos Slope Abo *4*

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

Section 10-T8S-R25E

12. County or Parish 13. State

Chaves

New Mexico

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'FSL and 1980'FEL

DHC-2879

At top prod. Interval reported below

*UT. J*

At total depth

14. Date Spudded  
RC 1/10/01

15. Date T.D. Reached  
NA

16. Date Completed 2/8/2001  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
3623' GR

18. Total Depth: MD 5365'  
TVD

19. Plug Back T.D.: MD 5165'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

NA

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
REFER TO ORIGINAL COMPLETION									

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"	3637'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Abo	3684'	3993'	See Attached Sheet			
B)						
C)						
D)						

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
2/8/2001	8/1/01	24	⇒	0	120	0	NA	NA	Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
	150 psi	110 psi	⇒	0	120	0	NA	Producing	

ACCEPTED FOR RECORD

NOV 26 2002

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

## 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. SI	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. SI	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. SI	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

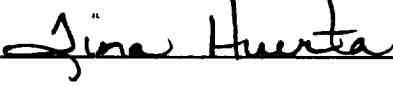
Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas Depth
				Refer to Original Completion	

## 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:

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 11-18-02

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.

(July 1992)

Yates Petroleum Corporation  
Morton "SZ" Federal #5  
API 30-005-63242  
Sec 10 R8S R25E  
Chaves County, NM

31. PERFORATION RECORD (Interval, size and number)

Ordovician	5180-5202'	46 holes	.42" holes
Penn	5120-5128'	32 holes	.41" holes
	5141-5143'	18 holes	.41" holes
	5041-5044'	18 holes	.42" holes
Abo A	3684-3686'	6 holes	.42" holes
	3702-3704'	6 holes	.42" holes
	3706-3708'	6 holes	.42" holes
	3712'	2 holes	.42" holes
Abo C	3945'	2 holes	.42" holes
	3956-3957	4 holes	.42" holes
	3984-3993	20 holes	.42" holes
Penn	4940-4964'	50 holes	.42" holes

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

5180-5202'	Spot 200 gal 20% IC HCL Acidize with 3500 gals 20% IC HCL
5120-5143'	Spot 50 gals 7.5% IC HCL
5041-5044'	Spot 50 gals 7.5% IC HCL Acidize with 250 gals 7.5% IC HCL
3684-3993'	Frac with 55,256 gals WF 140-70 Quality CO2 foam + 83,500# sand Spot 500 gals 7.5% IC DI HCL Spearhead 2000 gals 7.5% IC HCL
4940-4964'	Frac with 75,000 gals WF 135 - 65Q N2 foams + 159,000# sand Acidize with 1500 gals 15% IC HCL and 51 balls