

Form 3160-4  
(September 2001)

**Oil Cons.**  
**N.M. Div-Dist. 2**  
**301 W. Grand Avenue**  
**Artesia, NM 88210**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. <b>NM-108454</b>	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other		6. If Indian, Allottee or Tribe Name	
2. Name of Operator <b>Yates Petroleum Corporation</b>		7. Unit or CA Agreement Name and No.	
3. Address <b>105 S. 4th Str., Artesia, NM 88210</b>		8. Lease Name and Well No. <b>Mystery AYM Federal #1</b>	
3a. Phone No. (include area code) <b>505-748-1471</b>		9. API Well No. <b>30-015-32541</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At Surface <b>1980'FSL &amp; 660'FWL (NWSW, Unit L)</b>		10. Field and Pool, or Exploratory <b>Cemetery Morrow</b>	
At top prod. Interval reported below                      Same as above		11. Sec., T.R.M., on Block and Survey or Area <b>33-T20S-R25E</b>	
At total depth    Same as above		12. County or Parish    13. State <b>Eddy                      New Mexico</b>	
14. Date Spudded <b>12/5/02</b>	15. Date T.D. Reached <b>1/3/03</b>	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>2/27/03</b>	17. Elevations (DF, RKB, RT, GL)* <b>3634'GL</b>

18. Total Depth: MD <b>9900'</b> TVD <b>NA</b>	19. Plug Back T.D.: MD <b>9855'</b> TVD <b>NA</b>	20. Depth Bridge Plug Set: MD <b>NA</b> TVD <b>NA</b>
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CNL, Azimuthal Laterolog</b>		22. Was Well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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
	20"		Surface	40'		Redi-mix		Surface	
17-1/2"	13-3/8"	48#	Surface	432'		450 sx		Surface	
12-1/4"	9-5/8"	36#	Surface	3338'		1200 sx		Surface	
8-3/4"	5-1/2"	15.5#&17#	Surface	9900'		1525 sx			

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"	9323'	9323'							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	9572'	9622'		9572'-9584'			Producing
B)				9588'-9600'			Producing
C)				9604'-9622'			Producing
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
2/28/03	3/1/03	24	⇒	0	1987	0	NA	NA	Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press. Packer	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
20/64"	1245 psi		⇒	0	1987	0	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	
			⇒						

**ACCEPTED FOR RECORD**

**APR 3 2003**

**LES BABYAK**  
**PETROLEUM ENGINEER**

## 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
				San Andres	827'
				Bone Springs	3243'
				2nd Bone Springs	3436'
				3rd Bone Springs	6519'
				Wolfcamp	6702'
				Canyon	8192'
				Strawn	8722'
				Atoka	9118'
				Morrow	9456'

## 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)\*

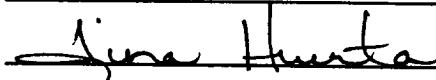
Name (please print)

Tina Huerta

Title

Regulatory Compliance Supervisor

Signature



Date

March 24, 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.

OPERATOR: YATES PETROLEUM CORP.  
WELL/LEASE: MYSTERY AYM FED. 1  
COUNTY: EDDY

512-5050

STATE OF NEW MEXICO  
DEVIATION REPORT

192	3/4
203	1/2
432	3/4
885	3/4
1,380	3/4
1,856	3/4
2,332	1 1/4
2,840	1 1/4
3,316	1
3,763	3/4
4,239	1
4,746	1 3/4
4,999	1 3/4
5,254	2 1/4
5,508	2 1/2
5,761	2
6,016	1 3/4
6,270	1 1/4
6,651	1 1/2
7,129	1
7,636	1
8,112	1 1/4
8,559	1 1/4
9,066	1 3/4
9,288	1 1/4
9,669	1 1/4
9,900	1 1/2



By: Steve Moore

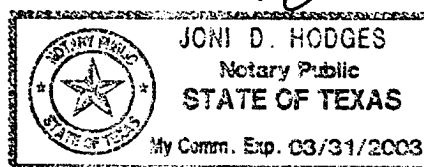
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 7th day of January, 2003, by Steve Moore on behalf of Patterson-UTi Drilling Company LP, LLLP.

Joni D. Hodges  
Notary Public for Midland County, Texas

My Commission Expires: 3/31/2003





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

## **GEOLOGICAL TOPS**

**Yates Petroleum Corporation**

**Mystery 'AYM' Federal #1**

**Unit L, Sec. 33, T-20-S R-25-E**

**1980' FSL & 660' FWL (G.L.-3634'; K.B.-3652')**

**Eddy Co., N.M.**

**30-015-32541**

**Geological Tops per/Bryan G. Arrant-OCD**

<b>San Andres</b>	<b>827'</b>
<b>Glorieta</b>	<b>2148'</b>
<b>3<sup>rd</sup> Bone Spring Sand</b>	<b>6519'</b>
<b>Wolfcamp</b>	<b>6702'</b>
<b>Upper Pennsylvanian</b>	<b>8192'</b>
<b>Strawn</b>	<b>8722'</b>
<b>Atoka</b>	<b>9118'</b>
<b>Morrow</b>	<b>9456'</b>