

Form 3160-4
(September 2001)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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. NM-92154	
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. Resrv., 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		8. Lease Name and Well No. Pay AYY Federal Com #1	
3a. Phone No. (include area code) 505-748-1471		9. API Well No. 30-005-63510	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 660'FNL & 330'FWL (Unit D, NWNW) At top prod. Interval reported below Same as above At total depth Same as above		10. Field and Pool, of Exploratory N. Foot Ranch Pool Permian 11. Sec., T., R., M., on Block and Survey or Area Section 11-T8S-R26E	
14. Date Spudded RH 2/14/03 RT 2/16/03		15. Date T.D. Reached 3/6/03	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3812'GL 3832' KB	
18. Total Depth: MD 5940' TVD NA		19. Plug Back T.D.: MD 5700' TVD NA	
20. Depth Bridge Plug Set: MD 5700' & 5820' 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	
12-1/4"	8-5/8"	24#	Surf	1008'		600 sx		Surf	
7-7/8"	5-1/2"	15.5#	Surf	5940'		1530 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"	5542'	5542'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Strawn	5606'	5634'				
B)						
C)						
D)						

See Attached Sheet

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
4/18/03	4/14/03	24	⇒	0	571	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	
3/8"	155 psi		⇒	0	571	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. Packer	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			⇒						

ACCEPTED FOR RECORD

JUN 2 2003

ARMANDO A. LOPEZ
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
				Queen	464'
				San Andres	928'
				Glorieta	1990'
				Yeso	2116'
				Tubb	3560'
				Abo	4272'
				Wolfcamp	4950'
				Wolfcamp B Zone	5046'
				Spear	5267'
				Cisco	5490'
				Strawn	5588'
				Siluro-Devonian	5718'
				Pre-Cambrian	5840'

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

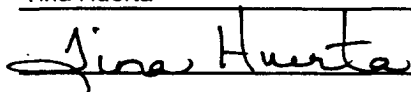
7. Other Deviation Survey

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 May 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
Pay AYY Federal Com #1
Section 11-T8S-R26E

Form 3160-4 continued:

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
5830'-5834'		16	CIBP
5794'-5814'		80	Squeeze
5714'-5728'		58	CIBP
5606'-5620'		84	Producing
5626'-5634'		48	Producing

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

Depth Interval	Amount and Type of Material
5830'-5834'	Acidize w/400g 20% IC acid
5794'-5814'	Acidize w/1000g 20% IC acid Squeeze perms w/200 sx
5714'-5728'	Acidize w/1000g 20% IC HCL acid
5606'-5634'	Spotted 50g 7-1/2% IC acid Acidize w/2200g 7-1/2% IC acid and 198 balls Frac w/90,000g 65Q CO2 foam and 75,000# 20/40 Ottawa sand

WELL NAME AND NUMBER Pay "AYY" Federal Com No. 1
LOCATION Section 1, T8S, R26E, 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>1-1/4° 516'</u>	<u>1-1/4° 4496'</u>	<u> </u>
<u>3/4° 986'</u>	<u>1-1/4° 4991'</u>	<u> </u>
<u>3/4° 1506'</u>	<u>2° 5524'</u>	<u> </u>
<u>1/2° 2010'</u>	<u>2-1/2 5681'</u>	<u> </u>
<u>1/4° 2512'</u>	<u>2-1/2° 5775'</u>	<u> </u>
<u>1° 3015'</u>	<u> </u>	<u> </u>
<u>1-1/4° 3551'</u>	<u> </u>	<u> </u>
<u>1° 4022'</u>	<u> </u>	<u> </u>



Drilling Contractor United Drilling, Inc.

By: George A. Aho
George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 10th day of March,
2003.

Karina Tanberkey
Notary Public

My Commission Expires: 09-25-03

Chaves NM
County State