

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Oil Cons.  
N.M. DIV-Dist. 2  
1301 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-38342</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. Resrv., 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>Helen Collins Federal #7</b>	
3a. Phone No. (include area code) <b>505-748-1471</b>		9. API Well No. <b>30-005-63527</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)  At Surface <b>2192'FSL &amp; 1651'FEL (NWSE)</b> <b>UT. J</b>  At top prod. Interval reported below <b>Same as above</b>  At total depth <b>Same as above</b>		10. Field and Pool, or Exploratory <b>Pecos Slope Abo</b> 11. Sec., T., R., M., on Block and Survey or Area <b>Section 4-T7S-R26E</b> 12. County or Parish 13. State <b>Chaves New Mexico</b>	
14. Date Spudded <b>12/4/02</b>	15. Date T.D. Reached <b>12/12/02</b>	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>2/12/03</b>	17. Elevations (DF, RKB, RT, GL)* <b>3655'GL</b>
18. Total Depth: MD <b>6025'</b> TVD <b>NA</b>	19. Plug Back T.D.: MD <b>4460'</b> TVD <b>NA</b>	20. Depth Bridge Plug Set: MD <b>5380', 5050' and 4460'</b> TVD <b>NA</b>	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CNL, Azimuthal Laterolog, Borehole Compensated Sonic</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)
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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
12-1/4"	8-5/8"	24#	Surf	865'		In Place		Surf	
7-7/8"	4-1/2"	11.6#	Surf	6025'		675 sx		3200'	

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-3/8"	3804'	3804'							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Abo	3874'	4216'					
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.		Amount and Type of Material
Depth Interval		

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
2/13/03	3/12/03	24	⇒	0	156	14	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	
16/64"	140 psi		⇒	0	156	14	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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			⇒						

ACCEPTED FOR RECORD  
MAR 25 2003  
MANUEL A. LOPEZ  
PETROLEUM ENGINEER  
Flowing

## 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
				San Andres	642'
				Glorieta	1618'
				Yeso	1736'
				Tubb	3181'
				Abo	3844'
				Wolfcamp	4506'
				B Zone	4582'
				Spear	4812'
				Cisco	5052'
				Strawn	5176'
				Pre-Cambrian	5284'

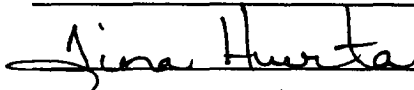
## 32. Additional remarks (include plugging procedure):

## 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 14, 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  
Helen Collins Federal #7  
Section 4-T7S-R26E

**Form 3160-4 continued:**

26. Perforation Record			
Perforated Interval	Size	No. Holes	Perf. Status
5400'-5420'			
5127'-5133'	6 SPF	36	
5061'-5064'	2 SPF	8	
5086'-5103'	2 SPF	36	
4506'-4512'		14	
4538'-4546'		18	
4582'-4598'		34	
3874'-3878'		5	Producing
3888'-3892'		5	Producing
3900'-3912'		13	Producing
4002'-4012'		11	Producing
4024'-4028'		5	Producing
4040'-4046'		7	Producing
4068'-4076'		9	Producing
4136'-4140'		5	Producing
4148'-4154'		7	Producing
4203'-4216'		14	Producing

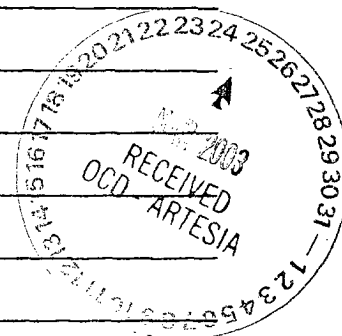


27. Acid, Fracture, Treatment, Cement Squeeze, Etc.	
Depth Interval	Amount and Type of Material
5400'-5420'	Acidize w/1800g 7-1/2%
5127'-5133'	Acidize w/800g 7-1/2% IC acid and 54 balls
5061'-5103'	Acidize w/2000g 15% IC acid and 72 balls
4506'-4598'	Acidize w/2500g 20% IC acid and 99 balls
4203'-4216'	Acidize w/750g 7-1/2% IC acid and 21 balls
3874'-4216'	Frac w/108,500g 55Q CO2 foam and 250,000# 16/30 Brady

WELL NAME AND NUMBER Helen Collins Federal No. 7  
LOCATION NW/SE/4, Section 4, T7S, 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>3/4° 4995'</u>	<u>                    </u>	<u>                    </u>
<u>3/4° 5535'</u>	<u>                    </u>	<u>                    </u>
<u>1/2° 6025'</u>	<u>                    </u>	<u>                    </u>
<u>                    </u>	<u>                    </u>	<u>                    </u>
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Drilling Contractor United Drilling, Inc.

By: George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 18<sup>th</sup> day of December, 2002.

Karina Sanborn  
Notary Public

My Commission Expires: 09-25-02

Chaves NM  
County State