

## 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 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. Reservr., Other										NM-101582	
2. Name of Operator <b>Yates Petroleum Corporation</b>										6. If Indian, Allottee or Tribe Name	
3. Address <b>105 S. 4th Str., Artesia, NM 88210</b>					3a. Phone No. (include area code) <b>505-748-1471</b>					8. Lease Name and Well No. <b>Mucho Luck BBW Fed Com #1</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  <div style="display: flex; justify-content: space-between;"> <div>           At Surface                      <b>1980'FSL &amp; 660'FWL (Unit L, NWSW)</b>             At top prod. Interval reported below             At total depth    <b>Same as above</b> </div> <div style="text-align: center;"> <b>RECEIVED</b>  <b>JAN 01 2004</b>  <b>OCD-ARTESIA</b> </div> </div>										9. API Well No. <b>30-015-32709</b>	
10. Field and Pool, or Exploratory <b>Crow Flats Morrow</b>										11. Sec., T., R., M., on Block and Survey or Area <b>Section 27-T16S-R27E</b>	
12. County or Parish    13. State <b>Eddy                      New Mexico</b>											
14. Date Spudded <b>RH 9/10/03    RT 9/13/03</b>			15. Date T.D. Reached <b>10/13/03</b>			16. Date Completed <b>11/27/03</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.			17. Elevations (DF, RKB, RT, GL)* <b>3458'GL    3473'KB</b>		
18. Total Depth: MD <b>9100'</b> TVD <b>NA</b>			19. Plug Back T.D.: MD <b>8725'</b> TVD <b>NA</b>			20. Depth Comp. Plug Set: MD <b>8850' &amp; 8725'</b> TVD <b>NA</b>					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  <b>CNL, Hi-Res Laterolog Array</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 Skis & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled		
14-3/4"	20"	36#	Surface	40'		Conductor		Surface			
8-3/4"	9-5/8"	26#	Surface	1351'		1150 sx		Surface			
	7"		Surface	9100'		1700 sx		5500' (est)			
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"	8437'	8437'									
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) Morrow		8686'	8692'	8860'-8870'		6 SPF	61	Under Composite			
B)				8813'-8815'		2 SPF	6	Under Composite			
C)				8740'-8754'		6 SPF	84	Under Composite			
D)				8686'-8692'		6 SPF	36	Producing			
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.											
Depth Interval			Amount and Type of Material								
<b>See Attached Sheet</b>											
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		
11/28/03	12/22/03	24	⇒	0	724	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"	200 psi		⇒	0	724	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			
			⇒								

## 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
				Lovington Sand	1374'
				Glorieta	2716'
				Yeso	2826'
				Tubb	4170'
				Lower Yeso	4214'
				Abo	4820'
				Wolfcamp	6010'
				Cisco	7354'
				Strawn	7830'
				Atoka	8298'
				Morrow	8652'
				Austin Cycle	8886'
				Chester	9008'

## 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

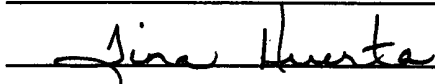
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print)

Tina Huerta

Title Regulatory Compliance Supervisor

Signature



Date December 23, 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  
Mucho Luck BBW Fed Com #1  
Section 27-T16S-R27E  
Eddy County, New Mexico

**Form 3160-4 continued:**

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.	
Depth Interval	Amount and Type of Material
8860'-8870'	Acidize w/1500g 7-1/2% IC HCL Frac w/70% Binary foam frac + 41,000# 18/40 Versaprop
8740'-8815'	Acidize w/1500g 7-1/2% IC HCL Frac w/65% Binary foam frac + 34,500# 18/40 Versaprop
8686'-8692'	Acidize w/1500g 7-1/2% MSA Frac w/65% Binary foam frac carrying 38,000# 18/30 Versaprop

OPERATOR: YATES PETROLEUM CORP.  
WELL/LEASE: MUCHO LUCK BBW FED. COM. 1  
COUNTY: EDDY

495-5063

STATE OF NEW MEXICO  
DEVIATION REPORT

220	1/4	8,494	1 1/4
523	1/2	8,756	1 1/4
744	1/2	9,100	1 1/4
995	1/2		
1,211	1/2		
1,340	1/2		
1,564	3/4		
1,814	1/2		
2,062	3/4		
2,555	3/4		
3,051	3/4		
3,541	1/4		
4,040	1		
4,289	1 1/4		
4,541	3/4		
4,793	1 1/4		
5,045	3/4		
5,295	1		
5,544	1		
5,792	1/2		
6,042	1 1/4		
6,288	1 1/4		
6,533	1		
6,815	1		
7,313	1 1/4		
7,786	2		
8,024	2		
8,181	1 1/2		
8,338	1 1/2		

By: Steve Moore

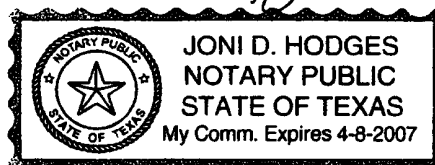
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 21st day of October, 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: 4/08/2007



30-015-32709-00-00

MUCHO LUCK BBW FEDERAL COM No. 001

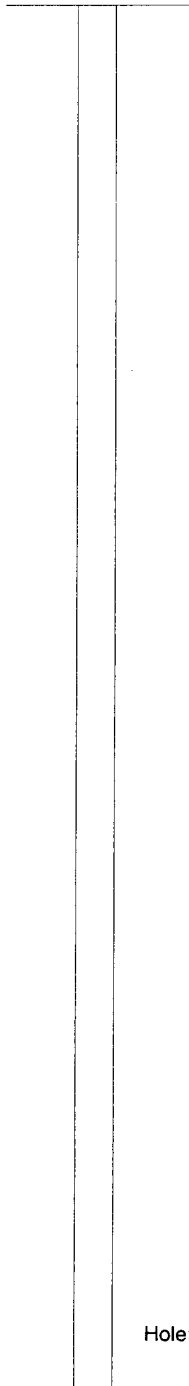
Company Name: YATES PETROLEUM CORPORATION

Location: Sec: 27 T: 16S R: 27E Spot: String Information

Lat/Long: Lat: 32.8890813460367 Long: -104.27308

Property Name: MUCHO LUCK BBW FEDERAL C

County Name: Eddy



TD: 0

TVD: 0

PBTD: 0

Cement Information

Perforation Information

Formation Information

St Code	Formation	Depth
Psrbs	Bowers Sand	520
Pqu	Queen	654
Pgb	Grayburg	1040
Psa	San Andres	1272
Plvsd	Lovington Sand	1374
Pgl	Glorieta	2716
Pytu	Tubb	4138
Pabo	Abo	4826
Pwc	Wolfcamp	6030
PPst	Strawn	7830
Ppat	Atoka	8298
Ppmor	Morrow	8508
Ppmor	Morrow	8652
Maus	Austin	8886
Mchs	Chester	9008

Clastics  
Cycle