

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

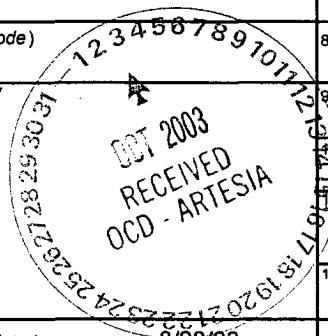
Form 3160-4
 (September 2001)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

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. NM-20346
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 Yates Petroleum Corporation		7. Unit or CA Agreement Name and No.
3. Address 105 S. 4th Str., Artesia, NM 88210	3a. Phone No. (include area code) 505-748-1471	8. Lease Name and Well No. Charlie ZA Federal #2
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 1650'FNL & 660'FEL (Unit H, SENE)		9. API Well No. 30-005-63499
At top prod. Interval reported below Same as above		10. Field and Pool, or Exploratory Pecos Slope Abo
At total depth Same as above		11. Sec., T., R., M., on Block and Survey or Area Section 22-T8S-R26E
		12. County or Parish 13. State Chaves New Mexico



14. Date Spudded RH 6/6/03 RT 6/8/03	15. Date T.D. Reached 6/27/03	16. Date Completed 8/28/03 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.	17. Elevations (DF, RKB, RT, GL)* 3825'GL 3839'KB
18. Total Depth: MD 6374' TVD NA	19. Plug Back T.D.: MD 5880' TVD NA	20. Depth Bridge Plug Set: MD 6250' TVD NA	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, Azimuthal Laterolog, Borehole Compensated Sonic	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 Skis & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
	16"	Cond.	Surface	80'					
12-1/4"	8-5/8"	24#	Surface	1000'		600 sx		Surface	
7-7/8"	4-1/2"	11.6#	Surface	6374'		750 sx		3410'CBL	

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"	4370'	4370'							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Abo	4460'	4842'					
B)				See Attached Sheet			
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
8/29/03	9/7/03	24	⇒	0	161	0	NA	NA	Flowing
Choke Size 14/64"	Tbg. Press. Flwg. 215 psi	Csg. Press. Packer	24 Hr. Rate ⇒	Oil BBL 0	Gas MCF 161	Water BBL 0	Gas: Oil Ratio NA	Well Status	

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 SI	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate ⇒	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

ACCEPTED FOR RECORD

Producing

OCT 1 2003

Armando A. Lopez

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. 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
				Seven Rivers	221'
				Queen	568'
				Penrose	668'
				San Andres	1055'
				Glorieta	2145'
				Yeso	2260'
				Tubb	3713'
				Abo	4436'
				Wolfcamp	5142'
				Wolfcamp B Zone	5235'
				Spear	5480'
				Cisco	5718'
				Dorothy	5820'
				Strawn	5842'
				Mississippian	6070'
				Siluro-Devonian	6256'

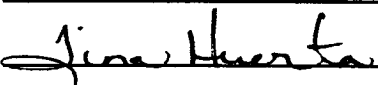
32. Additional remarks (include plugging procedure):

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 September 24, 2003

YATES PETROLEUM CORPORATION
 Charlie ZA Federal #2
 Section 22-T8S-R26E

Form 3160-4 continued:

26. Perforation Record			
Perforated Interval	Size	No. Holes	Perf. Status
6274'-6280'	.42"	24	Under CIBP
5918'-5948'	.42"	120 total holes	Under composite
5952'-5980'	.42"		Under composite
4460'-4470'	.42"		Producing
4486'-4496'	.42"		Producing
4536'-4542'	.42"		Producing
4546'-4550'	.42"		Producing
4596'-4602'	.42"		Producing
4606'-4612'	.42"		Producing
4616'-4628'	.42"		Producing
4634'-4638'	.42"		Producing
4740'-4746'	.42"		Producing
4798'-4812'	.42"		Producing
4836'-4842'	.42"	95 total holes	Producing

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

Depth Interval	Amount and Type of Material
6274'-6280'	Acidize w/1000g 20% IC HCL
5918'-5980'	Acidize w/3000g 7-1/2% IC HCL + balls
	Frac w/85,000g 65Q CO2 foamed 35# x-linked gelled 7% KCL water carrying 5000# 100 mesh + 120,000# 20/40 ottawa sand
4460'-4842'	Frac w/107,000g 55Q CO2 foamed 35# x-linked gelled 7% KCL water carrying 250,000# 16/30 Brady sand + 2000g 7-1/2% HCL

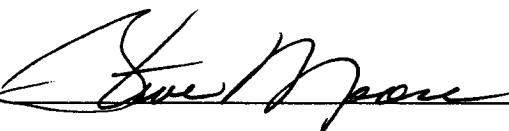
OPERATOR: YATES PETROLEUM CORP.
WELL/LEASE: CHARLIE ZA FED. 2
COUNTY: CHAVES

495-5060

STATE OF NEW MEXICO
DEVIATION REPORT

242	3/4
714	1
1,000	1/4
1,479	3/4
1,941	1/2
2,437	3/4
2,685	1
2,935	2
3,060	1 3/4
3,308	1 1/4
3,555	1
3,806	1/2
4,050	2
4,173	2 1/2
4,296	1
4,419	1 1/2
4,543	2
4,700	1
4,825	1
5,013	1
5,138	2
5,390	1 1/2
5,514	3/4
5,638	3/4
5,763	1 1/4
5,886	3/4
6,010	1/2
6,133	3/4
6,267	1 1/2
6,313	1 3/4



By 

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 1st day of July, 2003, by Steve Moore on behalf of Patterson-UTi Drilling Company LP, LLLP.


Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007

