

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other						5. Lease Serial No. NM-20346			
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ 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 #3			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 1980'FSL & 660'FWL (Unit L, NWSW) At top prod. Interval reported below Same as above At total depth Same as above						RECEIVED JAN 15 2004 OCD-ARTESIA			
14. Date Spudded RH 9/16/03 RT 9/19/03		15. Date T.D. Reached 10/5/03		16. Date Completed ☐ D & A ☒ Ready to Prod. 11/10/03		9. API Well No. 30-005-63581			
18. Total Depth: MD 6641' TVD NA		19. Plug Back T.D.: MD 5900' TVD NA		20. Depth Bridge Plug Set: MD 5900' & 6010' TVD NA		17. Elevations (DF,RKB,RT,GL)* 3863'GL 3876'KB			
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 Skis & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
16"	16"		Surface	106'		Conductor		Surface	
12-1/4"	8-5/8"	24#	Surface	1003'		650 sx		Surface	
7-7/8"	4-1/2"	11.6#	Surface	6641'		750 sx		3610'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"	4480'	4480'							
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status	
A) Abo		4522'	4942'		6026'-6044'	4 spf	72	Under CIBP	
B)					6062'-6070'	4 spf	32	Under CIBP	
C)					6082'-6092'	4 spf	40	Under CIBP	
D)					5910'-5918'	4 spf	32	Under CIBP	
E)					4522'-4942'	1 spf	61	Producing	
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and Type of Material							
6026'-6092'		Acidize w/1800g 7-1/2% IC acid and 72 balls							
5910'-5918'		Acidize w/800g 15% IC acid and 48 balls							
4522'-4942'		Frac w/106,800g 55Q CO2 foam and 250,000# 16/30 Brady Mesh							
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
11/11/03	12/11/03	24 hrs	⇒	0	536	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	
18/64"	200 psi		⇒	0	536	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
				Seven Rivers	266'
				Queen	616'
				Penrose	714'
				Grayburg	846'
				San Andres	1104'
				Glorieta	2195'
				Yeso	2310'
				Tubb	3760'
				Abo	4498'
				Wolfcamp	5210'
				Wolfcamp B Zone	5306'
				Spear	5559'
				Cisco	5803'
				Strawn	5959'
				Mississippian	6272'
				Siluro-Devonian	6461'
				Pre-Cambrian	6532'

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 10, 2003

INCLINATION REPORT

1. FIELD NAME	2. LEASE NAME Charlie ZA Fed Com #3
3. OPERATOR Yates Petroleum	
4. ADDRESS 105 South 4 th Street	
5. LOCATION (Section, Block, and Survey) Sec.23, T-8-S, R-26-E, Chaves, N.M.	

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
325	325	1.50	2.62	8.52	8.52
575	250	0.75	1.31	3.28	11.79
761	186	1.00	1.75	3.26	15.05
940	179	1.00	1.75	3.13	18.18
1213	273	1.25	2.18	5.95	24.13
1737	524	1.25	2.18	11.42	35.55
1980	243	2.00	3.49	8.48	44.03
2207	227	1.00	1.75	3.97	48.01
2460	253	1.25	2.18	5.52	53.52
2710	250	0.75	1.31	3.28	56.80
2962	252	1.00	1.75	4.41	61.21
3149	187	1.00	1.75	3.27	64.48
3398	249	1.50	2.62	6.52	71.00
3597	199	1.75	3.05	6.07	77.07
3870	273	1.00	1.75	4.78	81.85
4120	250	2.00	3.49	8.73	90.57
4246	126	0.75	3.05	3.84	94.42
4498	252	2.00	3.49	8.79	103.21
4622	124	1.75	3.05	3.78	106.99
4748	126	1.25	2.18	2.75	109.74
4990	242	1.50	2.62	6.34	116.08
5249	259	1.50	2.62	6.79	122.87
5499	250	1.25	2.18	5.45	128.32
5687	188	1.25	2.18	4.10	132.42
5937	250	1.00	1.75	4.38	136.79
6216	279	1.25	2.18	6.08	142.87
6467	251	0.50	0.87	2.18	145.06
6587	120	1.50	2.62	3.14	148.20
6613	26	1.50	2.62	0.68	148.88

Accumulative total displacement of well bore at total depth of 6613 feet = 148.88 feet.
 Inclination measurements were made in : ☐ Tubing ☐ Casing ☐ Open Hole ☒ All Pipe

 Signature of Authorized Representative L.V. Bohannon Name of Person and Title (type or print) Adobe Drilling Name of Company Telephone 432-552-5553 Area Code	Signature of Authorized Representative Name of Person and Title (type or print) Name of Company Telephone Area Code
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Certified By _____ Date _____
 Notarized By Guenda Fuller Date 10-7-03