

# OCD-ARTESIA

Form 3160-4  
(April 2004)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

### WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input 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. Resvr., Other _____		5. Lease Serial No. <b>NM-0560353</b>	
2. Name of Operator <b>CHI OPERATING, INC.</b> ✓		6. If Indian, Allottee or Tribe Name  7. Unit or CA Agreement Name and No.	
3. Address <b>P.O. BOX 1799, MIDLAND, TX 79702</b>		3a. Phone No. (include area code) <b>432-685-5001</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>996' FNL 1100' FWL</b> ✓  At top prod. interval reported below  At total depth		8. Lease Name and Well No. <b>MUNCHKIN FEDERAL #21</b> ✓ 9. AFI Well No. <b>30-015-37987</b>	
14. Date Spudded <b>07/20/2010</b>		15. Date T.D. Reached <b>07/30/2010</b>	
16. Date Completed <b>10/13/2010</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		10. Field and Pool, or Exploratory <b>BENSON DELAWARE</b> ✓ 11. Sec., T., R., M., on Block and Survey or Area <b>Sec.12,T19S,R30E</b> ✓ 12. County or Parish <b>EDDY</b> 13. State <b>NM</b>	
17. Elevations (DF, RKB, RT, GL)* <b>3452' GL</b>		18. Total Depth: MD <b>5270'</b> TVD	
19. Plug Back T.D.: MD <b>5173'</b> TVD		20. Depth Bridge Plug Set: MD <b>RBP @ 4940'</b> TVD	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  <b>Neutron Density; D-LL</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 type="checkbox"/> No <input checked="" 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)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pilled
17 1/2"	13 3/8"	48#	H40	505.63'		500 C	Circ 43sx	Surf	
11"	8 5/8"	32#	J55	2068.70'		800 C	Circ 5sx	Surf	
7 7/8"	5 1/2"	15.5#	J55	3698'	1stg DV tool	300 C	Circ 52sx	Surf	
				5263.40'	2stg	400 C Lead			
						100 C Tail	Circ 48sx	Surf	
								TOC 200'	

#### 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"	4679'	4679'						

#### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)			5052-32;5012-4992'		122	NOT OPEN
B)			4770-4882'		226 TOTAL	OPEN
C)						
D)						

#### 27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4992-5012'	A/7.5bbls acid w/15 ball sealers 250# sand w/gell, Pmpd 3 stages
4770-4882'	A/10 balls/4bbls of 7.5% acid, P/total 94bbls of acid,P/250 ballsealers
	F/pmpd 41890# of white 16/30 sand & 17480# of Super LC 16/30 sand

#### 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
10/01/2010	10/13/2010	24HRS	→	259	311	84			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					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	
			→						

\*(See instructions and spaces for additional data on page 2)

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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.)

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	Descriptions, Contents, etc.	Name	Top Meas. Depth
T. Anhydrite Yates 7 Rivers Queen Delaware TD	400' 2170' 2350' 2990' 4167' 5500'				

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32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)   
 ☐ Geologic Report   
 ☐ DST Report   
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification   
☐ Core Analysis   
☐ Other:

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) **Pam Corbett**    **pamc@chienergyinc.com**

Title **Regulatory Clerk 432-685-5001**

Signature

*Pam Corbett*

Date **12/08/2010**

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.