Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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DEC 19 2012
NMOCD ARTESIA

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No.

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☑ Other
b. Type of Completion: ☐ New Well ☑ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr,
Other INJ

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
NM126412X

2. Name of Operator CHI OPERATING, INC.

8. Lease Name and Well No.
Benson Delaware Unit #12

3. Address P.O. BOX 1799, MIDLAND, TX 79702

3a. Phone No. *(include area code)* 432-685-5001

9. AFI Well No.
30-015-35791

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface 2547' FNL & 519' FNL, SEC. 12-T19S-R30E

At top prod. interval reported below 2310' FSL & 800' FWL, SEC. 12-T19S-R30E

At total depth

10. Field and Pool, or Exploratory
Benson Delaware

11. Sec., T., R., M., on Block and Survey or Area

12. County or Parish EDDY

13. State NM

14. Date Spudded 09/19/2007

15. Date T.D. Reached 09/30/2007

16. Date Completed ☐ D & A ☑ Ready to Prod. 11/16/2007

17. Elevations (DF, RKB, RT, GL)* 3424' GL

18. Total Depth: MD 5415' TVD

19. Plug Back T.D.: MD 5397' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR-CAL-CNL,LDT,DDL,MSFL

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)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8	48# J55	511'			L-300H/200C			
						T100C	Circ 10sxs	to pit	
11'	8 5/8"	24# J55	2050'			L-425 C			
						T-200 C	Circ 165	to pit	
7 7/8"	5 1/2"	15.50#	5415'			L-300 C	Circ 80	to pit	
		J55				325C/50C	Circ 30	to pit	

24. Tubing Record 135 jts 2 7/8 IPC tbg.

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"		4387	2 7/8 x 5 1/2					

25. Producing Intervals 1X2.25 Arrowset

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Delaware			4870-4788'	2 spf		
B) Delaware			4590-4604; 4613-4615'	2 spf		
C) Delaware			4494-4514'			
D)						

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

Depth Interval	Amount and Type of Material
4870-4788'	P/35.7 of acid; Frac 1155 bbls pad, P/11,000# Siber Prop 16/30
4590-4615'	Frac 20,000# SB excel resin coated 16/30 sand & 31250# brown sand 16/30

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
11/16/2007	11/22/2007	24 hrs	→	59	17	628			

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	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	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)

ACCEPTED FOR RECORD
DEC 16 2012
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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**	
								Injecting	

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
Seven Rivers	**2352'**				
Queen	**2982'**				
Delaware Formation	**4136'**				
Delaware Sandstone	**4480'**				

32. Additional remarks (include plugging procedure):

33. Indicate which itmes 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:

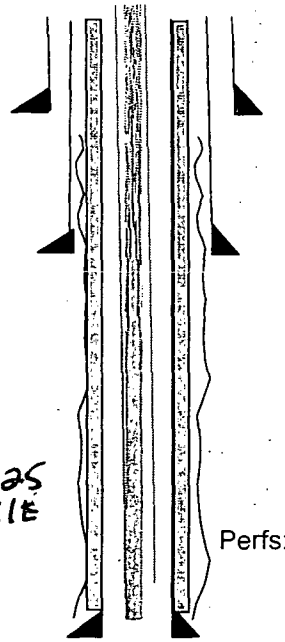
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* **PAM CORBETT pamc@chienergyinc.com** Title **REGULATORY CLERK**

Signature Pam Corbett Date 11/30/12

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.

Benson Delaware Unit 12
INJECTION
API # 30-015-35791
2547' FNL & 519 FWL
Section 12, T19S R30E



13-3/8" 48# J55 @ 511'
cmt at surface (circ)

8-5/8" 24# J55 @2051'
cmt at surface (circ)

DV tool @ 3700'

PKR @ 4387' w/135 jts x 2 7/8 IPC tbg

PKR: 2 7/8 x 5 1/2 Arrowset 1-X w/2.25 SS Profile

Perfs: **4870-88' (2 sfp), 4590-4604', 4613-4615' (2 spf)**
4494-4515 (2 spf)

5-1/2" 15.5# J55 @ 5,415'
Cmt to Surface