

(July 1992)

**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**
(See other in-  
structions on  
reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.  
NM-0560353**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***1a. TYPE OF WELL: OIL ☐ GAS ☐  
WELL ☒ WELL ☐ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW ☐ WORK ☐ DEEP- ☐ PLUG ☐ DIFF. ☐  
WELL ☒ OVER ☐ EN ☐ BACK ☐ RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Chi Operating, Inc.

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1799 Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

At top prod. interval reported below

At total depth

same

14. PERMIT NO.

DATE ISSUED

9. API WELL NO.

30-015-3

33380

10. FIELD AND POOL, OR WILDCAT

Benson; Delaware

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

12-19S-30E

12. COUNTY OR PARISH  
Eddy13. STATE  
New Mexico

15. DATE SPUDDED

1/21/2004

16. DATE T.D. REACHED

1/31/2004

17. DATE COMPL. (Ready to prod.)

2/26/2004

18. ELEVATIONS (DF, RKB, RT, GE, ETC.)

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD, &amp; TVD

5526'

21. PLUG BACK TD, MD &amp; TVD

5484'

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVAL  
DRILLED BYROTARY TOOLS  
YES

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AN TVD)\*

5010-16'; 5030-45'

25. WAS DIRECTIONAL  
SURVEY MADE  
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

CDN/GR

CFL/GR

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8" J-55	36/40#	506'	12 1/4"	450sxs; circ 300sxs	
5 1/2" J-55	17#	5526'	8 3/4"	1st stage: 400 sks, circ 63 sks	
				2nd stage: 650sxs; circ 53	
				DV@ 3921'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"		4940'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

5030-45'; 5010-16'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5030-45'; 5010-16'	A/1500gals 7.5 NeFe Hcl & 1000 gals 2% kcl 1000# 20/40 sand. Frac w/18000 gals & 40000 lbs 16/30

33.\* PRODUCTION

DATE FIRST PRODUCTION 2/26/2004	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing						WELL STATUS (Producing or shut-in) PROD.
DATE OF TEST 2/28/2004	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL. 201	GAS - MCF 85	WATER - BBL. 40	GAS-OIL RATIO
FLOW. TUBING PRESS. 50	CASING PRESSURE 0	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY - API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
SoldTEST WITNESSED BY  
C. MANN

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Robert D. Shaw

TITLE

REGULATORY CLERK

DATE

3/31/04

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

37. SUMMARY OF POROUS ZONES: (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Rustler	368'		
Salt	628'		
Base Salt	1910'		
Tansil	1970'		
Yates	2128'		
Seven Rivers	2379'		
Queen	3000'		
Cherry Canyon	4219'		
Delaware	4600'		
Brushy Canyon	5027'		

38. GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

38. GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

WELL NAME AND NUMBER Munchkin Federal #4  
LOCATION Section 12, T-19-S, R-30-E, Eddy County, New Mexico  
OPERATOR Chi Energy Inc., 212 N. Main, Suite 200, Midland, Texas 79701  
DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc., P. O. Drawer 10970, Midland, TX 79702

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>.75 @ 246'</u>	<u>.50 @ 3,503'</u>	<u>                    </u>	<u>                    </u>
<u>.50 @ 506'</u>	<u>.50 @ 3,788'</u>	<u>                    </u>	<u>                    </u>
<u>.75 @ 685'</u>	<u>.75 @ 4,043'</u>	<u>                    </u>	<u>                    </u>
<u>.50 @ 865'</u>	<u>.75 @ 4,200'</u>	<u>                    </u>	<u>                    </u>
<u>.50 @ 1,112'</u>	<u>1.00 @ 4,456'</u>	<u>                    </u>	<u>                    </u>
<u>.75 @ 1,368'</u>	<u>1.25 @ 4,710'</u>	<u>                    </u>	<u>                    </u>
<u>.75 @ 1,623'</u>	<u>1.00 @ 4,902'</u>	<u>                    </u>	<u>                    </u>
<u>1.00 @ 1,878'</u>	<u>1.00 @ 5,158'</u>	<u>                    </u>	<u>                    </u>
<u>1.00 @ 2,101'</u>	<u>.50 @ 5,413'</u>	<u>                    </u>	<u>                    </u>
<u>1.00 @ 2,261'</u>	<u>.50 @ 5,493'</u>	<u>                    </u>	<u>                    </u>
<u>.75 @ 2,420'</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>.75 @ 2,612'</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>.50 @ 2,833'</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>.50 @ 3,067'</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>.50 @ 3,279'</u>	<u>                    </u>	<u>                    </u>	<u>                    </u>

RECEIVED  
APR 02 2004  
OGD-ARTESIA

Drilling Contractor TMBR/Sharp Drilling, Inc.

By Jeffrey D. Phillips  
Jeffrey D. Phillips, President

Subscribed and sworn to before me this 4th day of February 2004



Kathleen Roper  
Notary Public Kathleen Roper

Commision expires: 10/2/07 Midland County, Texas