

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CHI OPERATING, INC.

3. Address and Telephone No.

P.O. BOX 1799 MIDLAND, TEXAS 79702

4. Location of Well (Footage, T., R., M., or Survey Description)

2230 FSL & 1750 FWL  
SEC. 1-T19S-R30E

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Munchkin Federal #3

9. API Well No.

3001531796

10. Field and Pool, or Exploratory Area

BENSON BONESPRING

11. County or Parish, State

Eddy

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Re-enter and complete Munchkin Federal #3.  
See Attached.

14. I hereby certify that the foregoing is true and correct.

Signed

*Robert A. Shaw*

Title

Regulatory Clerk

Date

7/11/05

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

\*See Instructions on Reverse Side

**Renter and Complete  
Chi Operating, Inc.  
Munchkin Federal No.3  
Eddy County, New Mexico**

**LEGALS/LOCATION:** 2230 FSL & 1750 FWL, Section 1 - 19S - 30E

**ELEVATION:** GL - 3523' KB - 3535' - 12'.

**LOCATED:** From intersection of Hwy 360 & Co. Rd. 222, take Co. Rd 222 approx. 12 miles. Turn left/west on Co.Rd 250/blacktop. Go approx 2.5 miles. Turn left/south on lease rd. Go approx. ¼ mile & take right @ fork, cont' south approx. ½ mile. Turn right for approx. .2 mile, turn left/south for approx. ½ mile, turn right/west for approx. ¼ mile. Turn right/north to rig.

**SURFACE/MINERAL OWNER** Surface: Federal  
Mineral: Federal  
BLM-Carlsbad 505-887-6544  
Mobil- 505-369-2814

**FIELD NAME/RULES:** Benson Delaware

**Chi Operating Supervisor: Sonny Mann 432-634-7062**

**CASING/HOLE PROGRAM:**

<u>Hole Size</u>	<u>Casing</u>	<u>Depth</u>	<u>Cement</u>	<u>TOC</u>
12 ¼"	9 5/8" - 36# - J-55	<u>500'</u>	<u>500</u> sks	Surface (Circ)
8 ¾"	Proposed 5-1/2" 17# J55 @ 5200'			

Existing cement plugs:

1<sup>st</sup> plug: 6393'-6293'- 50sks "C"  
2<sup>nd</sup> plug: 4105'-4005'- 45sks "C"  
3<sup>rd</sup> plug: 2078'-1978'- 55sks "C"  
4<sup>th</sup> plug: 550'-450'- 40sks "C"  
5<sup>th</sup> plug: 60'-0'- 20sks "C"

1. RU DDPU. NU BOP. RU reverse unit and power swivel. NU BOP.
2. Drill out cement plugs and clean out to 5250'. Set casing shoe plug. Condition hole for casing. POOH.

3. Cement as follows:

Stage 1: Preflush : 1000 gals. Mudclean.  
 Slurry No. 1: 375 sacks Super C Mod. .3% FL-52 + .2% SMS

Stage 2 : (Stage Tool @ 3800')  
 Preflush : 500 gals Mud Clean  
 Slurry No. 1: 650 sacks Class C + 15% Gel + 10% salt  
 Slurry No. 2: 50 sacks Super C Mod. .3% FL-52 + .2% SMS

4. Set slips (100%). Cut off set csg. Set wellhead.

**Completion:**

MIRU unit, pipe racks & tally tubing. Clean pins & boxes. NUBOP (screw on -2000#.)

TIH w/ 4 3/4" bit & 6 DC, on 2 7/8" tbg. RU reverse unit & swivel. Drill/Clean out w/F.W the DV. Continue to FC. (if tag within  $\pm 100'$  of FC-OK). Close BOP & pressure test to 1500 psi. Circulate hole with 2% KCL water. TOH, LD collars & bit.

RUWL (bring copy of open hole or get copy of logs from rig) TIH w/GR/CCL/CBL. Pull GR/CCL/CBL from PBTB to 4248'. (Pull repeat w/no psi) apply 1500# & pull to DV tool.

TIH w/4" gun w/packoff. Tie in & perforate the following intervals @ 2SPF-60 deg: **5004-5008', 4950-4990'**. PU J Lok Pkr, (2 3/8 x 5 1/2"), SN, XO, & TIH. Set Pkr @ +4933 RU & swb test while monitoring annulus.

Acidize/Frac as warranted. (See below).

If no entry, unset pkr & TIH to btm perf & spot 2 bbls of 7.5% NeFE acid from 5060-4976'. PUH to 4933' & reverse 2 bbls of 2% KCL & reset Pkr. (If there is fld. entry) Load & PSI annulus to 500# w/2% KCL. Monitor during treatment. Acidize w/1000 gals of acid & 1000 gals of gelled pad @ 3 bpm @ an est. STP of 1300#, as follows:

**Note: If acid spot is necessary do not get over zealous when breaking down.**

- a). Pmp 333 gals of 7.5% NeFe Acid (200 gals if had to spot)
- b). Pmp 250 gals of gelled Pad w/250 lbs of 20/40 mesh sand.
- c.). Drop 15, 1.1 sp.gr. ball sealers.
- d). Repeat, a, b, & c.
- e). Repeat, a & b.

Flush to top perf. w/2% KCL. Recover load & tst. Evaluate for further stimulation.

If frac is **WARRANTED** have frac design run using 15,000 gals of Medallion 3000, 24000 lbs 16/30 white, 10000 lbs 16/30 CRS @ 9 bpm via tbq @  $\pm 1800$  STP as follows: 5000 gals pad, 1000 gals w/1 ppg, 1000 gals w/2 ppg, 3000 gals w/3 ppg, 3000 w/4 ppg, & 2000 gals w/5 ppg 16/30 CRS sand