UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT AUG -5 2010

5. Lease Senal No NM-0560353

SUNDRY NOTICES AND REPORTS ON WELLS REPO

	ell. Use Form 3160 - 3		posals.		
SUBMIT IN TRIPLICATE- Other instructions on reverse side.				7 If Unit or CA/Agreement, Name and/or No 8 Well Name and No.	
. Type of Well Oil Well □ □					
Name of Operator CHI OPERA	TING, INC.			Munchkin Federal, #21 9 API Well No.	
a Address P.O. Box 1799, Midland, Texas	79702	3b Phone No (include area code) 432-685-5001		30-015-37987 10 Field and Pool, or Exploratory Area	
Location of Well (Footage, Sec.,	1)		Benson Delaware		
900' FNL & 1100' FWL SEC. 12-T19S-R30E				11 County or Parish, State	
!				EDDY	
12. CHECK AI	PPROPRIATE BOX(ES) T	O INDICATE NATUR	E OF NOTICE,	REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION				
Notice of Intent Subsequent Report Final Abandonment Notice	☐ Acıdıze ☐ Alter Casing ☐ Casing Repair ☐ Change Plans ☐ Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Production (S Reclamation Recomplete Temporarily A Water Disposa	Well Integrity Other CHANGE BOP Abandon	
13 Describe Proposed or Complete	ed Operation (clearly state all pe	ertinent details, including estir	mated starting date of	any proposed work and approximate duration there	

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

CHI Operating, Inc. is preparing to drill the above captioned well and the drilling superintendant has requested that the BOP be changed from a 3M system to a 2M system. A copy of the BOP is attached.

SEE ATTACHED FOR **CONDITIONS OF APPROVAL**

14 Hereby certify that the foregoing is true and correct Name (Printed/Typed)	1					
PAM CORBETT	Title REGULATORY CLERK					
Signature Pan Corbett		Date 07/15/2010				
THIS SPACE FOR FEDERAL OR STATE OFFICE (VE)						
Approved by Approved by	Tıtle	le Date				
Conditions of approval, if any arrantached. Approval of this notice does not warrantertify that the applicant holes legal or equitable title to those rights in the subject legal which would entitle the applicant to conduct operations thereon		AUG 2 2010 /s/ Dustin Winkler				
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowing and sufficiency of the All Offsteam British and Sufficiency of the States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction CARL SBAD FIELD OFFICE						
(Instructions on page 2)		DD				

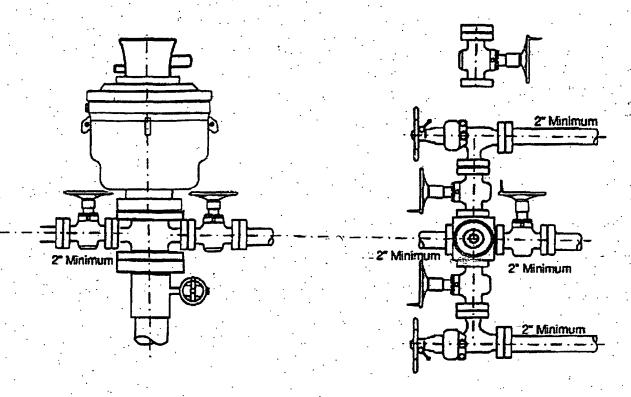


Figure 3-1A

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: | Chi Operating, Inc.

LEASE NO.: | NM-0560353

WELL NAME & NO.: | Munchkin Federal #21 SURFACE HOLE FOOTAGE: | 900' FNL & 1100' FWL

LOCATION: Section 12, T. 19 S., R 30 E., NMPM

COUNTY: | Eddy County, New Mexico

I. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or-Cementing of all-casing strings
- c. BOPE tests

Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Due to recent H2S encounters in the salt formation, it is recommended that monitoring equipment be onsite for potential Hydrogen Sulfide prior to drilling out the surface shoe. If Hydrogen Sulfide is encountered, please report measurements and formations to the BLM.
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. If the drilling rig is removed without approval an Incident of Non-Compliance will be written and will be a "Major" violation.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface will be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to or potash.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Secretary's Potash.

Possible water flows in the Salado and Artesia Groups.

Possible lost circulation in the Artesia Group.

Possible lost circulation in the Capitan Reef (if encountered).

- 1. The 13-3/8 inch surface casing shall be set at approximately 500 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

- 2. The minimum required fill of cement behind the 8-5/8" inch intermediate casing is: Cement to surface. If cement does not circulate see B.1.a, c-d above. Casing is to be set in the Fletcher Anhydrite or Tansil Formation. Additional cement may be required, as the excess calculated to 9%. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to potash. 3. The minimum required fill of cement behind the 5-1/2" inch production casing is: Cement to surface. If cement does not circulate see B.1.a, c-d above. Additional cement may be required, as excess calculated to 22%. If a DV tool is used the required fill of cement behind the production casing is: a. First stage to DV tool, cement shall: Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage. b. Second stage above DV tool, cement shall: Cement to surface. If cement does not circulate, contact the appropriate BLM office. Additional cement may be required, as excess calculated to 15%. 4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations. C. PRESSURE CONTROL 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.

- 3. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. Casing cut-off and BOP installation will not be initiated until the cement has had a minimum of 8 hours setup time for a water basin. The casing shall remain stationary and under pressure for at least eight hours after the operator places the cement. In the potash area, the minimum time is 12 hours and the casing shall remain stationary and under pressure during this time period. In addition, for the potash area, no tests are to be initiated prior to 24 hours (R-111-P regulations). Casing shall be under pressure if the operator uses some acceptable means of holding pressure or if the operator employs one or more float valves to hold the cement in place. Testing the BOP/BOPE against a plug can commence after meeting the above conditions plus the BOP installation time.
 - b. The tests shall be done by an independent service company.
 - c. The results of the test shall be reported to the appropriate BLM office.
 - d. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
 - e. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
 - f. Effective November 1, 2008, no variances will be granted on reduced pressure tests on the surface casing and BOP/BOPE. Onshore Order 2 requirements will be in effect.

D. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

DHW 072610