



**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(505) 393-6161 Fax:(505) 393-0720

**District II**  
 1301 W. Grand Ave., Artesia, NM 88210  
 Phone:(505) 748-1283 Fax:(505) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
 Permit 31019

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-34939	2. Pool Code 22640	3. Pool Name ESPERANZA,DELAWARE
4. Property Code 33998	5. Property Name ESPERANZA 4	6. Well No. 006
7. OGRID No. 147179	8. Operator Name CHESAPEAKE OPERATING, INC.	9. Elevation 3104

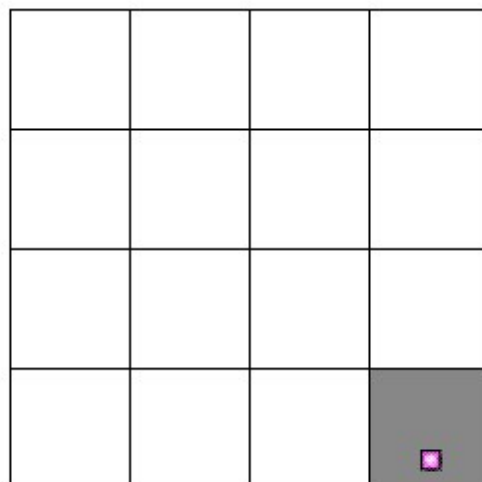
**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	4	22S	27E		330	S	660	E	EDDY

**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**



**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

E-Signed By: Brenda Coffman  
 Title: Regulatory Analyst  
 Date: 6/14/2006

**SURVEYOR CERTIFICATION**

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

Surveyed By: Ronald Eidson  
 Date of Survey: 5/15/2006  
 Certificate Number: 12641

# Permit Comments

Operator: CHESAPEAKE OPERATING, INC. , 147179

Well: ESPERANZA 4 #006

API: 30-015-34939

Created By	Comment	Comment Date
BSCOFFMAN	Due to the size, H2S Contingency Plan being mailed.	5/30/2006
BArrant	Please have your engineering staff review more carefully where there are fresh water wells as there is a fresh water well much closer than 1000' as indicated from the state engineer's web-site. Bryan Arrant	6/12/2006
BSCOFFMAN	Mud Program: 0-400' Mud Type: New Gel/Lime/Fresh Water. Properties: Wt: 8.6 - 9.0 ppg; Viscosity: 35 - 45 sec/1000cc; Filtrate: N/C; pH: N/C. 400' to 5300' Mud Type: Brine/Native; Properties Wt: 9.9 - 10.0 ppg; Viscosity: 28 - 29 sec/1000cc; Filtrate: N/C pH: 9 - 10	6/14/2006
BSCOFFMAN	Mud Program: 0-400' Mud Type: New Gel/Lime/Fresh water; Properties: Weight: 8.6 - 9.0 ppg, Viscosity: 35-45 sec/1000cc; Filtrate: N/C; pH: N/C. 400'-5300': Mud Type: Brine/Native; Properties: Wt: 9.9-10.0 ppg; Viscosity: 28-29 sec/1000cc; Filtrate: N/C; pH: 9-10	6/14/2006

# Permit Conditions of Approval

Operator: CHESAPEAKE OPERATING, INC. , 147179

Well: ESPERANZA 4 #006

API: 30-015-34939

OCD Reviewer	Condition
BArrant	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
BArrant	Operator to set surface casing above the Salado formation. Please refer to offset geology for more information.
BArrant	Please submit a detailed mud program from your drilling mud contractor or have an employee from your company prepare one.
BArrant	As noted by Brenda Coffman on 6/14/2006, the drilling of this well will be a closed loop system.