

1. Operator Name and Address CHESAPEAKE OPERATING, INC. P. O. BOX 18496 OKLAHOMA CITY, OK 731540496		2. OGRID Number 147179
		3. API Number 30-015-37375
4. Property Code 37900	5. Property Name PLU PIERCE CANYON 16 STATE	6. Well No. 001H

UL - Lot P	Section 16	Township 25S	Range 30E	Lot Idn P	Feet From 330	N/S Line S	Feet From 330	E/W Line E	County EDDY
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WILDCAT: BONE SPRING	96403
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9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3289
14. Multiple N	15. Proposed Depth 12786	16. Formation Bone Spring	17. Contractor	18. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls thick      Clay <input type="checkbox"/> Pit Volume:      bbls      Drilling Method:				
Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	700	900	0
Int1	12.25	9.625	40	3900	1410	0
Prod	8.75	5.5	20	12786	1550	3300

Set 13 3/8" casing @700'. Cmt w/900 sxs 14.8 ppg, 1.33 yld. TOC-Surface. Set 9 5/8" inter csg @ 3900', 14.2 ppg, 2.57 yield. TOC-Surface. Set 5 1/2" prod csg@ 12786', cmt/1550 sxs 13.2 ppg, 1.71 yield. TOC @ 3300'.

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameron

Date: 10/19/2009	Phone: 817-556-5825
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**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 104041

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-37375	2. Pool Code 96403	3. Pool Name WILDCAT; BONE SPRING
4. Property Code 37900	5. Property Name PLU PIERCE CANYON 16 STATE	6. Well No. 001H
7. OGRID No. 147179	8. Operator Name CHESAPEAKE OPERATING, INC.	9. Elevation 3289

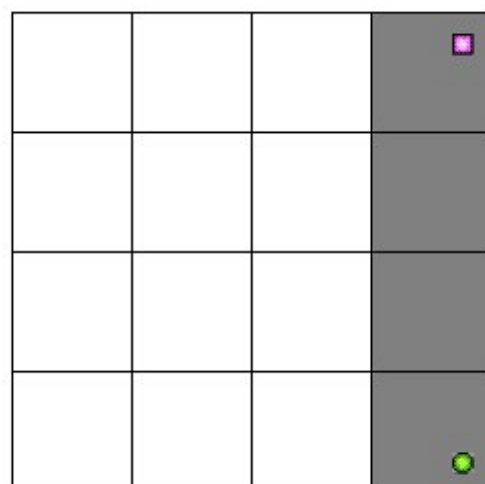
**10. Surface Location**

UL - Lot P	Section 16	Township 25S	Range 30E	Lot Idn	Feet From 330	N/S Line S	Feet From 330	E/W Line E	County EDDY
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**11. Bottom Hole Location If Different From Surface**

UL - Lot A	Section 16	Township 25S	Range 30E	Lot Idn A	Feet From 330	N/S Line N	Feet From 330	E/W Line E	County EDDY
12. Dedicated Acres 160.00		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: Sr. RegulatoryComp. Spec.  
 Date: 10/19/2009

**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: Gary Jones  
 Date of Survey: 10/17/2009  
 Certificate Number: 7977

## Permit Comments

**Operator:** CHESAPEAKE OPERATING, INC. , 147179

**Well:** PLU PIERCE CANYON 16 STATE #001H

**API:** 30-015-37375

Created By	Comment	Comment Date
busterarrant	Research of the area indicates that concentrations of H2S of wells in the surrounding area from surface to the base of the Bone Spring are minimal. We feel that a H2S contingency plan is not required.	10/18/2009
busterarrant	NMOCD's C-102 and attachments, C-144(CLEZ) pit permit, proposed drilling program, and the standard planning report for the pilot and lateral well bore will be sent by UPS.	10/19/2009