

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-8178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3482

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

Form C-101  
August 1, 2011  
Permit 188332

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address YATES PETROLEUM CORPORATION 105 S 4TH ST ARTESIA, NM 88210		2. OGRID Number 25575
4. Property Code 40113		3. API Number 30-025-41970
5. Property Name CRANBERRY BSU STATE COM		6. Well No. 006H

**7. Surface Location**

UL - Lot	O	Section	11	Township	21S	Range	33E	Lot Idn		Feet From	15	N/S Line	S	Feet From	2150	E/W Line	E	County	Lea
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**8. Proposed Bottom Hole Location**

UL - Lot	B	Section	11	Township	21S	Range	33E	Lot Idn	B	Feet From	230	N/S Line	N	Feet From	1960	E/W Line	E	County	Lea
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**9. Pool Information**

BERRY;BONE SPRING, NORTH	5535
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3795
16. Multiple N	17. Proposed Depth 15807	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1880	1380	0
Int1	12.25	9.625	36	5700	2075	0
Prod	8.5	5.5	17	15807	935	10400
Prod	8.75	5.5	17	11250	875	5680

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	
Double Ram	3000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.  Signature:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by Travis Hahn	Approved By: Paul Kautz
Title: Land Regulatory Agent	Title: Geologist
Email Address: thahn@yatespetroleum.com	Approved Date: 7/15/2014      Expiration Date: 7/15/2016
Date: 6/27/2014      Phone: 575-748-4120	Conditions of Approval Attached

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Form C-102  
August 1, 2011  
Permit 188332

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-41970	2. Pool Code 5535	3. Pool Name BERRY;BONE SPRING, NORTH
4. Property Code 40113	5. Property Name CRANBERRY BSU STATE COM	6. Well No. 006H
7. OGRID No. 25575	8. Operator Name YATES PETROLEUM CORPORATION	9. Elevation 3795

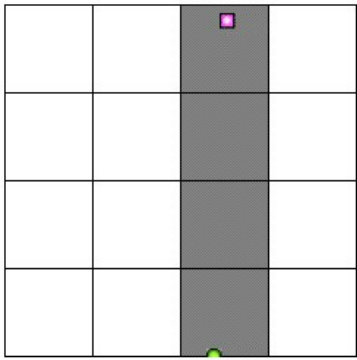
**10. Surface Location**

UL - Lot O	Section 11	Township 21S	Range 33E	Lot Idn	Feet From 15	N/S Line S	Feet From 2150	E/W Line E	County Lea
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**11. Bottom Hole Location If Different From Surface**

UL - Lot B	Section 11	Township 21S	Range 33E	Lot Idn B	Feet From 230	N/S Line N	Feet From 1960	E/W Line E	County Lea
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**

	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>E-Signed By:      Travis Hahn Title:                Land Regulatory Agent Date:                6/27/2014</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>Surveyed By:        Gary Jones Date of Survey:     3/4/2014 Certificate Number: 7977</p>
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**Santa Fe, NM 87505**

Form APD Comments

Permit 188332

**PERMIT COMMENTS**

Operator Name and Address: YATES PETROLEUM CORPORATION [25575] 105 S 4TH ST ARTESIA , NM 88210		API Number: 30-025-41970
		Well: CRANBERRY BSU STATE COM #006H

Created By	Comment	Comment Date
Ynavarrette	Samples: 30' Sample to 6180'. 10' Samples 6180'-TD	6/26/2014
Ynavarrette	MAXIMUM ANTICIPATED BHP: DEPTHS ARE TVD 0'-1880' is 899 PSI 1880'-6180' is 3278 PSI 6180'-10975' is 5250 PSI	6/26/2014
Ynavarrette	Well will be drilled vertically to 10497' and will then be kicked off at approx. 10497' and directionally drilled at 12 degrees per 100' with a 8 3/4" hole to 11250' MD (10975' TVD). Hole size will then be reduced to 8 1/2" and drilled to 15807' MD (10943' TVD) where 5 1/2" casing will be set. Production casing will be cemented 500' into previous casing string. Penetration point of the producing zone will be encountered at 496' FSL and 2136' FEL, 11-21S-33E. Deepest TVD is 10975' in lateral.	6/26/2014
Ynavarrette	C-102 abd horizontal drilling diagram will follow by mail.	6/26/2014
pkautz	Potash questioner sent to BLM & SLO	6/30/2014

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Form APD Conditions

Permit 188332

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: YATES PETROLEUM CORPORATION [25575] 105 S 4TH ST ARTESIA , NM 88210	API Number: 30-025-41970
	Well: CRANBERRY BSU STATE COM #006H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --