

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 192579

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 39221		3. API Number 30-025-42124
5. Property Name SEPTEMBER GRASS BSG STATE COM		6. Well No. 0#3H

7. Surface Location

UL - Lot	K	Section	5	Township	21S	Range	34E	Lot Idn	Feet From	2625	N/S Line	S	Feet From	1980	E/W Line	W	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	F	Section	8	Township	21S	Range	34E	Lot Idn	F	Feet From	2310	N/S Line	N	Feet From	1980	E/W Line	W	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 3718
16. Multiple N	17. Proposed Depth 16377	18. Formation 3rd 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	1825	1335	0
Int1	12.25	9.625	36	6045	2030	0
Prod	8.5	5.5	17	16377	1505	11418
Prod	8.75	5.5	17	11918	620	5545

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

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

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:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Travis Hahn	Approved By: Paul Kautz
Title: Land Regulatory Agent	Title: Geologist
Email Address: thahn@yatespetroleum.com	Approved Date: 9/17/2014 Expiration Date: 9/17/2016
Date: 9/16/2014 Phone: 575-748-4120	Conditions of Approval Attached

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Form C-102
August 1, 2011
Permit 192579

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-42124	2. Pool Code 5535	3. Pool Name BERRY,BONE SPRING, NORTH
4. Property Code 39221	5. Property Name SEPTEMBER GRASS BSG STATE COM	6. Well No. 0#3H
7. OGRID No. 25575	8. Operator Name YATES PETROLEUM CORPORATION	9. Elevation 3718




10. Surface Location

UL - Lot K	Section 5	Township 21S	Range 34E	Lot Idn	Feet From 2625	N/S Line S	Feet From 1980	E/W Line W	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot F	Section 8	Township 21S	Range 34E	Lot Idn F	Feet From 2310	N/S Line N	Feet From 1980	E/W Line W	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

<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="text-align: center; vertical-align: middle;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> </table>																	<p style="text-align: center;">OPERATOR CERTIFICATION</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: 9/16/2014</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</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: 12/11/2013 Certificate Number: 7977</p>
																	

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Form APD Comments

Permit 192579

PERMIT COMMENTS

Operator Name and Address: YATES PETROLEUM CORPORATION [25575] 105 S 4TH ST ARTESIA , NM 88210	API Number: 30-025-42124
	Well: SEPTEMBER GRASS BSG STATE COM #0#3H

Created By	Comment	Comment Date
THAHN	Samples: 30' Sample to 6045', 10' Samples 6045'-TD. Logging: GR NEUTRON-30 DEG DEV TO SURFACE CSG, DENSITY-30 DEG DEV TO INTERMEDIATE CSG, LATEROLOG-30 DEG DEV TO INTERMEDIATE CSG, CMR-30 DEG DEV TO INTERMEDIATE CSG, (CHLUMBERGER TOOLS PLATFORM/HRLA/CMR) DST's: None, Coring: None, Mudlogging: ON BELOW SURFACE CSG	9/16/2014
THAHN	MAXIMUM ANTICIPATED BHP: DEPTHS ARE TVD; 0'-1825' is 873 PSI, 1825'-6045' is 3206 PSI, 6045'-11671' is 5583 PSI	9/16/2014
THAHN	Well will be drilled vertically to 11171' then be kicked and directionally drilled at 12 degrees per 100' with a 8.75" hole to 11918' MD (11648' TVD). Hole size will then be reduced to 8.5" and drilled to 16377' MD (11671' TVD) where 5.5" casing will be set and cemented 500' into previous casing string. Penetration point of producing zone will be encountered at 2150' FSL and 1980' FWL, 5-21S-34E. Deepest TVD is 11671' in lateral.	9/16/2014
THAHN	H2S is not anticipated, and a C102 will follow.	9/16/2014

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Form APD Conditions

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PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: YATES PETROLEUM CORPORATION [25575] 105 S 4TH ST ARTESIA , NM 88210	API Number: 30-025-42124
	Well: SEPTEMBER GRASS BSG STATE COM #0#3H

OCD Reviewer	Condition
DMULL	Will require a directional survey with the C-104
DMULL	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	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	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water