

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 195930

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 38003		3. API Number 30-025-42314
5. Property Name RED RAIDER BKS STATE		6. Well No. 004H

7. Surface Location

UL - Lot	P	Section	25	Township	24S	Range	33E	Lot Idn		Feet From	200	N/S Line	S	Feet From	955	E/W Line	E	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	B	Section	25	Township	24S	Range	33E	Lot Idn	B	Feet From	230	N/S Line	N	Feet From	1690	E/W Line	E	County	Lea
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9. Pool Information

RED HILLS;BONE SPRING, NORTH	96434
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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 3502
16. Multiple N	17. Proposed Depth 14032	18. Formation 3rd Bone Spring Carbonate	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	1215	920	0
Int1	12.25	9.625	36	5350	1745	0
Prod	8.75	5.5	20	9733	440	4850
Prod	8.5	5.5	20	14032	1400	9733

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: 12/8/2014 Expiration Date: 12/8/2016
Date: 12/5/2014 Phone: 575-748-4120	Conditions of Approval Attached

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Form C-102
August 1, 2011
Permit 195930

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-42314	2. Pool Code 96434	3. Pool Name RED HILLS;BONE SPRING, NORTH
4. Property Code 38003	5. Property Name RED RAIDER BKS STATE	6. Well No. 004H
7. OGRID No. 25575	8. Operator Name YATES PETROLEUM CORPORATION	9. Elevation 3502

10. Surface Location

UL - Lot P	Section 25	Township 24S	Range 33E	Lot Idn	Feet From 200	N/S Line S	Feet From 955	E/W Line E	County Lea
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11. Bottom Hole Location If Different From Surface

UL - Lot B	Section 25	Township 24S	Range 33E	Lot Idn	Feet From 230	N/S Line N	Feet From 1690	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;">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: 12/5/2014</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: 10/31/2014 Certificate Number: 7977</p>
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Form APD Comments

Permit 195930

PERMIT COMMENTS

Operator Name and Address: YATES PETROLEUM CORPORATION [25575] 105 S 4TH ST ARTESIA, NM 88210		API Number: 30-025-42314
		Well: RED RAIDER BKS STATE #004H

Created By	Comment	Comment Date
RBELA	Samples: 30' Sample to 4500'. 10' Samples 4500'-TD. Logging: SLB: Platform Express. CNL/LDT/NGT 30 DEG DEV-INTERM CSG. CNL/GR CSG-SURF. HRLA 30 DEG DEV-INTERM CSG. HORIZONTAL-MWD-GR CURVE-TD. DST's: None. Coring: None. Mudlogging: Surf csg to TD.	12/5/2014
RBELA	MAXIMUM ANTICIPATED BHP: DEPTHS ARE TVD 0'-1215' pressure is 581 PSI 1215'-5350' pressure is 2838 PSI 5350'-9419' pressure is 4506 PSI	12/5/2014
RBELA	Intermediate casing will be set at approx. 5350' MD (5333' TVD). Well will be drilled at a tangent from 2000' to KOP 9028' MD (8992' TVD). Well will then be kicked off at approx. 9028' MD (8992' TVD) and directionally drilled at 12 degrees per 100' with a 8.75" hole to 9733' MD (9419' TVD). Hole size will then be reduced to 8.5" and drilled to 14032' MD (9370' TVD) where 5.5" casing will be set and cemented 500' into previous casing string. The bottom 100' will not be produced and will consist of our float shoe and float collar. Bottom perf will not cross the 330' hardline. Penetration point o	12/5/2014
RBELA	H2S is anticipated, a H2S contingency plan and C102 will follow by mail.	12/5/2014
RBELA	Please note target zone is Avalon shale.	12/5/2014

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Form APD Conditions

Permit 195930

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: YATES PETROLEUM CORPORATION [25575] 105 S 4TH ST ARTESIA , NM 88210	API Number: 30-025-42314
	Well: RED RAIDER BKS STATE #004H

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	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