

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8181 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) 334-6178 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-101
August 1, 2011
Permit 176052

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 15788		3. API Number 30-015-41755
5. Property Name PATRIOT AIZ		6. Well No. 013H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	21	19S	25E	L	2210	S	150	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	21	19S	25E	I	2310	S	330	E	Eddy

9. Pool Information

NORTH SEVEN RIVERS;GLORIETA-YESO	0
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3504
16. Multiple N	17. Proposed Depth 7122	18. Formation Yeso Formation	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	14.75	9.625	36	800	615	0
Prod	8.75	5.5	17	2510	340	0
Prod	8.5	5.5	17	7122	885	2510

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
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 ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature: _____ Printed Name: Electronically filed by LORI FLORES Title: Land Regulatory Technician Email Address: lorif@yatespetroleum.com Date: 10/24/2013	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 10/25/2013 Expiration Date: 10/25/2015 Conditions of Approval Attached
Phone: 575-748-4448	

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OPERATOR CERTIFICATION	
<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>	
E-Signed By:	LORI FLORES
Title:	Land Regulatory Technician
Date:	10/24/2013

SURVEYOR CERTIFICATION	
<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>	
Surveyed By:	Gary Jones
Date of Survey:	10/4/2013
Certificate Number:	7977

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Form APD Comments

Permit 176052

PERMIT COMMENTS

Operator Name and Address: YATES PETROLEUM CORPORATION [25575] 105 S 4TH ST ARTESIA , NM 88210	API Number: 30-015-41755
	Well: PATRIOT AIZ #013H

Created By	Comment	Comment Date
THAHN	C-102, Drilling Plan, H2S plan, and C-144 to follow.	10/24/2013
THAHN	Samples: 10' Samples 800'-TD	10/24/2013
THAHN	MAXIMUM ANTICIPATED BHP: (DEPTHS ARE TVD) 0'-800' is 362 PSI, 800'-2600' is 1176 PSI	10/24/2013
THAHN	Well will be drilled vertically to 2032' then kicked off at approximately 2032' and directionally drilled at 12 degrees per 100' with a 8.75" hole to 2772' MD (2510' TVD). Hole size will then be reduced to 8.5" and drilled to 7122' MD (2600' TVD) where 5.5" casing will be set and cemented. Production string will be cemented to surface. Penetration point of producing zone will be encountered at 2219' FSL and 617' FWL, 21-19S-25E. Deepest TVD in the well is 2600' in the lateral hole.	10/24/2013
CSHAPARD	Land p/P	10/25/2013

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Form APD Conditions
Permit 176052

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: YATES PETROLEUM CORPORATION [25575] 105 S 4TH ST ARTESIA , NM 88210		API Number: 30-015-41755
		Well: PATRIOT AIZ #013H

OCD Reviewer	Condition
CSHAPARD	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