

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) 334-8170
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 232630

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

1. Operator Name and Address ROCKCLIFF OPERATING NEW MEXICO LLC 1301 McKinney Houston, TX 77010		2. OGRID Number 371115
		3. API Number 30-015-44088
4. Property Code 317501	5. Property Name El Toro Invicta 14	6. Well No. 301H

7. Surface Location

UL - Lot M	Section 14	Township 23S	Range 28E	Lot Idn	Feet From 340	N/S Line S	Feet From 800	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot D	Section 14	Township 23S	Range 28E	Lot Idn D	Feet From 240	N/S Line N	Feet From 330	E/W Line W	County Eddy
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9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 2995
16. Multiple N	17. Proposed Depth 14574	18. Formation Wolfcamp	19. Contractor	20. Spud Date 6/4/2017
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	11.75	47	500	500	0
Int1	10.625	9.625	40	5000	600	0
Prod	8.75	5.5	20	9161	1000	0
Prod	6.75	4.5	13.5	14574	825	9100

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	3000	Cameron
Double Ram	10000	5000	Cameron
Pipe	10000	5000	Cameron

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 Nick Koch Title: VP Operations Email Address: nkoch@rockcliffenergy.com Date: 3/2/2017	OIL CONSERVATION DIVISION Approved By: Raymond Podany Title: Geologist Approved Date: 3/7/2017 Expiration Date: 3/7/2019 Conditions of Approval Attached
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-		² Pool Code 98220		³ Pool Name Purple Sage; Wolfcamp	
⁴ Property Code		⁵ Property Name EL TORO INVICTA 14			⁶ Well Number 301H
⁷ GRID No. 371115		⁸ Operator Name ROCKCLIFF OPERATING NEW MEXICO LLC			⁹ Elevation 2995'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
M	14	23 SOUTH	28 EAST, N.M.P.M.		340'	SOUTH	800'	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
D	14	23 SOUTH	28 EAST, N.M.P.M.		240'	NORTH	330'	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code P	¹⁵ Order No.
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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.

Proposed Last Take Point: 330' FNL, 330' FWL Proposed First Take Point: 330' FSL, 330' FWL S 88°22'25" W 470.17' 800' 340' N 00°01'53" W 4,746.83' Proposed Producing Interval -14-	PROPOSED BOTTOM HOLE LOCATION <table border="1"> <tr> <td>X=</td> <td>582.874</td> <td>NAD 27</td> </tr> <tr> <td>Y=</td> <td>477.346</td> <td></td> </tr> <tr> <td>LAT.</td> <td>32.312054</td> <td></td> </tr> <tr> <td>LONG.</td> <td>104.065081</td> <td></td> </tr> <tr> <td>X=</td> <td>624.057</td> <td>NAD 83</td> </tr> <tr> <td>Y=</td> <td>477.405</td> <td></td> </tr> <tr> <td>LAT.</td> <td>32.312175</td> <td></td> </tr> <tr> <td>LONG.</td> <td>104.065576</td> <td></td> </tr> </table>	X=	582.874	NAD 27	Y=	477.346		LAT.	32.312054		LONG.	104.065081		X=	624.057	NAD 83	Y=	477.405		LAT.	32.312175		LONG.	104.065576		¹⁷ 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 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. Signature: <i>Brian Wood</i> Date: 3-2-17 Printed Name: Brian Wood E-mail Address: brian@permitswest.com
	X=	582.874	NAD 27																							
	Y=	477.346																								
	LAT.	32.312054																								
LONG.	104.065081																									
X=	624.057	NAD 83																								
Y=	477.405																									
LAT.	32.312175																									
LONG.	104.065576																									
CORNER COORDINATES TABLE (NAD 27) A - Y=477585.85, X=582543.98 B - Y=477564.36, X=585192.08 C - Y=472266.72, X=582546.90 D - Y=472263.52, X=585174.92	¹⁸ 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. Date of Survey: 01-03-2017 Signature and Seal of Professional Surveyor: <i>Robert L. Lastrapes</i> 23006 Certificate Number: 23006																									
EL TORO INVICTA 14 301H WELL <table border="1"> <tr> <td>X=</td> <td>583.347</td> <td>NAD 27</td> </tr> <tr> <td>Y=</td> <td>472.612</td> <td></td> </tr> <tr> <td>LAT.</td> <td>32.299039</td> <td></td> </tr> <tr> <td>LONG.</td> <td>104.063560</td> <td></td> </tr> <tr> <td>X=</td> <td>624.530</td> <td>NAD 83</td> </tr> <tr> <td>Y=</td> <td>472.671</td> <td></td> </tr> <tr> <td>LAT.</td> <td>32.299100</td> <td></td> </tr> <tr> <td>LONG.</td> <td>104.064084</td> <td></td> </tr> </table> ELEVATION - 2995' NAVD 88	X=	583.347	NAD 27	Y=	472.612		LAT.	32.299039		LONG.	104.063560		X=	624.530	NAD 83	Y=	472.671		LAT.	32.299100		LONG.	104.064084			
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Form APD Comments

Permit 232630

PERMIT COMMENTS

Operator Name and Address: ROCKCLIFF OPERATING NEW MEXICO LLC [371115] 1301 McKinney Houston, TX 77010	API Number: 30-015-44088
	Well: El Toro Invicta 14 #301H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 232630

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: ROCKCLIFF OPERATING NEW MEXICO LLC [371115] 1301 McKinney Houston, TX 77010	API Number: 30-015-44088
	Well: El Toro Invicta 14 #301H

OCD Reviewer	Condition
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing
RPodany	Will require a directional survey with the C-104
RPodany	Must be in Compliance with NMOCD Rule 5.9 prior to placing well on Production.