

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 234439

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

1. Operator Name and Address RKI EXPLORATION & PRODUCTION, LLC 3500 One Williams Center Tulsa, OK 74172		2. OGRID Number 246289
4. Property Code 317656		3. API Number 30-015-44136
5. Property Name C State 16		6. Well No. 003H

7. Surface Location

UL - Lot	P	Section	16	Township	23S	Range	27E	Lot Idn		Feet From	841	N/S Line	S	Feet From	150	E/W Line	E	County	Eddy
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8. Proposed Bottom Hole Location

UL - Lot	M	Section	16	Township	23S	Range	27E	Lot Idn	M	Feet From	330	N/S Line	S	Feet From	230	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 State	15. Ground Level Elevation 3136
16. Multiple N	17. Proposed Depth 13858	18. Formation Wolfcamp	19. Contractor	20. Spud Date 5/1/2017
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	17.5	13.375	54.5	450	468	0
Int1	12.25	9.625	40	2029	504	0
Int2	8.75	7	29	9330	894	1529
Prod	6.125	4.5	13.5	13858	401	8580

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	1500	Cameron
Pipe	10000	5000	Cameron
Pipe	10000	5000	Cameron
Blind	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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by Roxana M Day Title: _____ Email Address: roxana.day@wpenergy.com Date: 4/10/2017	OIL CONSERVATION DIVISION Approved By: Raymond Podany Title: Geologist Approved Date: 4/13/2017 Expiration Date: 4/13/2019 Conditions of Approval Attached
Phone: 539-573-5278	

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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	² Pool Code 98220	³ Pool Name PURPLE SAGE WOLFCAMP GAS POOL
⁴ Property Code	⁵ Property Name C STATE 16	⁶ Well Number 3H
⁷ OGRID No. 246289	⁸ Operator Name RKI EXPLORATION & PRODUCTION, LLC	⁹ Elevation 3136'

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
P	16	23 S	27 E		841	SOUTH	150	EAST	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
M	16	23 S	27 E		330	SOUTH	230	WEST	EDDY

¹² Dedicated Acres 320.0	¹³ Joint or Infill	¹⁴ Consolidation Code	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.

<p>¹⁶</p> <p>C STATE 16 3H BHL NMSP-E (NAD83) N (Y) = 472,338.5' E (X) = 581,664.3' LAT. = 32.2984645°N. LONG. = 104.2028175°W. NMSP-E (NAD27) N (Y) = 472,279.7' E (X) = 540,482.6' LAT. = 32.2983455°N. LONG. = 104.2023162°W.</p> <p>LAST TAKE POINT 330' FWL & 330' FSL NMSP-E (NAD83) N (Y) = 472,339.5' E (X) = 581,764.3' LAT. = 32.2984669°N. LONG. = 104.2024939°W. NMSP-E (NAD27) N (Y) = 472,280.7' E (X) = 540,582.6' LAT. = 32.2983479°N. LONG. = 104.2019926°W.</p> <p>C STATE 16 3H SHL NMSP-E (NAD83) N (Y) = 472,899.3' E (X) = 585,557.8' LAT. = 32.2999887°N. LONG. = 104.1869456°W. NMSP-E (NAD27) N (Y) = 472,840.5' E (X) = 545,385.8' LAT. = 32.2998889°N. LONG. = 104.1884450°W.</p> <p>FIRST TAKE POINT 330' FEL & 330' FSL NMSP-E (NAD83) N (Y) = 472,386.3' E (X) = 586,389.0' LAT. = 32.2985793°N. LONG. = 104.1875260°W. NMSP-E (NAD27) N (Y) = 472,327.5' E (X) = 545,207.2' LAT. = 32.2984600°N. LONG. = 104.1870265°W.</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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.</p> <p>Signature: <i>Justin Bernore</i> Date: 4/5/2017</p> <p>Printed Name: Justin Bernore</p> <p>E-mail Address: justin.bernore@wpkenergy.com</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>04-03-2017 Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i></p> <p>MARK DILLON HARP 23786 Certificate Number AI 2017020195</p>
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Form APD Comments
 Permit 234439

PERMIT COMMENTS

Operator Name and Address: RKI EXPLORATION & PRODUCTION, LLC [246289] 3500 One Williams Center Tulsa, OK 74172		API Number: 30-015-44136
		Well: C State 16 #003H
Created By jwalker	Comment Gas Capture Plan and directional plan will be mailed hard copy to the NMOCD Artesia office.	Comment Date 4/10/2017

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Form APD Conditions

Permit 234439

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: RKI EXPLORATION & PRODUCTION, LLC [246289] 3500 One Williams Center Tulsa, OK 74172	API Number: 30-015-44136
	Well: C State 16 #003H

OCD Reviewer	Condition
RPodany	Will require a directional survey with the C-104
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing