

**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 227553

**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
4. Property Code 316962		3. API Number 30-025-43452
5. Property Name K2 18 STATE		6. Well No. 001H

**7. Surface Location**

UL - Lot	P	Section	18	Township	09S	Range	33E	Lot Idn	P	Feet From	120	N/S Line	S	Feet From	440	E/W Line	E	County	Lea
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**8. Proposed Bottom Hole Location**

UL - Lot	A	Section	18	Township	09S	Range	33E	Lot Idn	A	Feet From	330	N/S Line	N	Feet From	440	E/W Line	E	County	Lea
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**9. Pool Information**

FLYING M; SAN ANDRES	24620
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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 4391
16. Multiple N	17. Proposed Depth 9072	18. Formation San Andres	19. Contractor	20. Spud Date 12/1/2016
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	12.25	9.625	36		703	
Prod	8.75	7	32		220	
Prod	8.75	5.5	23		962	

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	2500	to be determined

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 Nick Koch Title: VP Operations Email Address: nkoch@rockcliffenergy.com Date: 10/18/2016	<b>OIL CONSERVATION DIVISION</b>  Approved By: Paul Kautz Title: Geologist Approved Date: 10/19/2016 Expiration Date: 10/19/2018 Conditions of Approval Attached
Phone: 713-351-0549	

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Phone: (505) 476-3460 Fax: (505) 476-3462

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

<sup>1</sup> API Number 30-025-	24620	FLYING M; SAN ANDRES
<sup>4</sup> Property Code	K2 18 STATE	<sup>6</sup> Well Number 1H
<sup>7</sup> GRID No. 371115	<sup>8</sup> Operator Name ROCKCLIFF OPERATING NEW MEXICO LLC	<sup>9</sup> Elevation 4391'

<sup>10</sup> 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	18	9 SOUTH	33 EAST, N.M.P.M.		120'	SOUTH	440'	EAST	LEA

<sup>11</sup> 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
A	18	9 SOUTH	33 EAST, N.M.P.M.		330'	NORTH	440'	EAST	LEA

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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><b>PROPOSED BOTTOM HOLE LOCATION</b></p> <p>X= 723,625 NAD 27 Y= 924,514 LAT. 33.539289 LONG. 103.599433</p> <p>X= 764,802 NAD83 Y= 924,579 LAT. 33.539390 LONG. 103.599943</p>	<p><b>CORNER COORDINATES TABLE (NAD 27)</b></p> <p>A - Y=924830.00, X=722738.42 B - Y=924850.95, X=724066.96 C - Y=919583.19, X=722720.70 D - Y=919586.71, X=724042.37</p>	<p><b>K2 STATE 18 1H WELL</b></p> <p>X= 723,603 NAD 27 Y= 919,699 LAT. 33.528057 LONG. 103.599618</p> <p>X= 764,780 NAD83 Y= 919,764 LAT. 33.528158 LONG. 103.600129</p> <p>ELEVATION +4391' NAVD 88</p>	<p>Proposed First Take Point 330' FSL, 440' FEL</p>	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete in 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 previously entered by the division.</p> <p><i>Brian Wood</i> 10-18-16 Signature Date</p> <p>Brian Wood Printed Name</p> <p>brian@permitswest.com Email Address</p> <p>(505) 466-8120</p>	<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></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>7-20-2016 Date of Survey</p> <p><i>Robert L. Lastapes</i> Signature and Seal of Professional Surveyor</p> <p>23006 Certificate Number</p>
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Comments

Permit 227553

**PERMIT COMMENTS**

Operator Name and Address: ROCKCLIFF OPERATING NEW MEXICO LLC [371115] 1301 McKinney Houston, TX 77010	API Number: 30-025-43452
	Well: K2 18 STATE #001H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 227553

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: ROCKCLIFF OPERATING NEW MEXICO LLC [371115] 1301 McKinney Houston, TX 77010	API Number: 30-025-43452
	Well: K2 18 STATE #001H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
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	SURFACE & PRODUCTION CASING - Cement must circulate to surface
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186
pkautz	The New! Gas Capture Plan (GCP) notice is posted on the NMOC website under Announcements. The Plan became effective May 1, 2016. A copy of the GCP form is in our FORMS section under Unnumbered Forms. Please review filing dates for all applicable activities currently approved or pending and submit accordingly. Failure to file a GCP may jeopardize the operator's ability to obtain C-129 approval to flare gas after the initial 60-day completion period.