

District I1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170**District IV**1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462**State of New Mexico****Energy Minerals and Natural Resources****Oil Conservation Division****1220 South St. Francis Dr.****Santa Fe, NM 87505**Form C-101
Revised July 18, 2013☒ AMENDED REPORT**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address BC Operating, Inc. P.O. Box 50820 Midland, Texas 79710		2. OGRID Number 160825
3. Property Code 314340	4. Property Name Cavegirl 31 State	5. API Number 30-015-42989 6. Well No. 1H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	6	24S	25E		240	North	360	East	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	31	23S	25E		240	North	360	East	Eddy

9. Pool Information

Pool Name: Crooked Creek; Wolfcamp East (Gas)	Pool Code 75460
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Additional Well Information

11. Work Type New Well	12. Well Type Gas	13. Cable/Rotary Rotary	14. Lease Type State	15. Ground Level Elevation 3843'
16. Multiple No	17. Proposed Depth 8600' TVD/13,700'MD	18. Formation Wolfcamp	19. Contractor TBD	20. Spud Date 10/01/15
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
Surface	16"	13 3/8"	48#	400'	300	0'
Intermediate	12 1/4"	9 5/8"	40#	3100'	1240	0'
Production	8 3/4"	5 1/2"	17#	13,700'	2250	0'

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram Annular	3000#	2000#	Hydrill/Shaeffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

Pam Stevens

Printed name: Pam Stevens

Title: Regulatory Analyst

E-mail Address: pstevens@bcoperating.com

Date: 03/25/2015

Phone: 432-684-9696

OIL CONSERVATION DIVISION

Approved By:

RDado

Title:

Dist R Supervisor

Approved Date:

3/25/2015

Expiration Date:

3/25/2017

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

MAR 05 2015

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-42999	² Pool Code 75460	³ Pool Name CROOKED CREEK; WOLFCAMP EAST (GAS)
⁴ Property Code 314340	⁵ Property Name CAVEGIRL 31 STATE	⁶ Well Number 1H
⁷ OGRID No. 160825	⁸ Operator Name B.C. OPERATING, INC.	⁹ Elevation 3843'

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
A	6	T24S	R25E		240'	NORTH	360'	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
A	31	T23S	R25E		240'	NORTH	360'	EAST	EDDY

¹² Dedicated Acres 320.00	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.

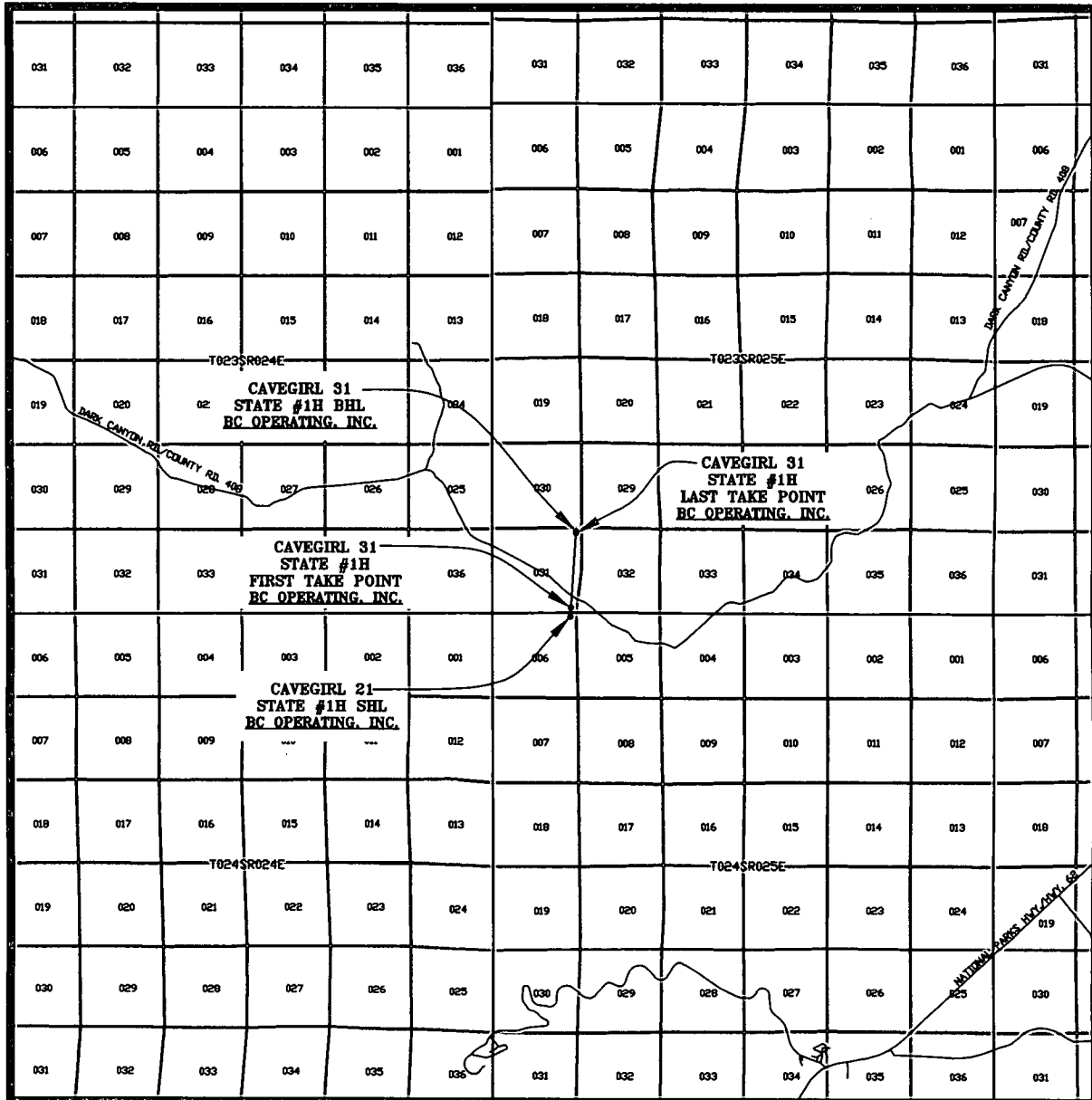
¹⁶				¹⁷ OPERATOR CERTIFICATION			
<p>SECTION 25</p> <p>SECTION 30</p> <p>SECTION 31</p> <p>SECTION 32</p> <p>SECTION 36</p> <p>SECTION 1</p> <p>SECTION 6</p> <p>SECTION 5</p>				<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and 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><u>Pam Stevens</u> 3/1/15 Signature Date</p> <p><u>Pam Stevens</u> Printed Name</p> <p><u>pstevens@bcoperating.com</u> E-mail Address</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>JANUARY 20 2015 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p><u>Lloyd P. Short</u> Certificate Number</p> <p>LLOYD P. SHORT 21653</p>			
				<p>SECTION 25</p> <p>SECTION 30</p> <p>SECTION 31</p> <p>SECTION 32</p> <p>SECTION 36</p> <p>SECTION 1</p> <p>SECTION 6</p> <p>SECTION 5</p>			

[illegible]

SCALE: 1" = 2000'
CONTOUR INTERVAL = 10'

PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
318-323-6900 OFFICE
JOB No. R3477 001

VICINITY MAP



SEC. 6 TWP. 24-S RGE. 25-E

SURVEY: N.M.P.M.

COUNTY: EDDY

DESCRIPTION: 240' FNL & 360' FEL

ELEVATION: 3843'

OPERATOR: B.C. OPERATING, INC.

LEASE: CAVEGIRL 31 STATE

U.S.G.S. TOPOGRAPHIC MAP: CARNERO PEAK, N.M.

SCALE: 1" = 2 MILES

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BC Operating, Inc. Closed Loop System

Design Plan

Equipment List

- 2 – 414 MI Swaco *Centrifuges*
- 2 – MI Swaco 4 screen *Moongoose Shale Shakers*
- 2 – double screen *Shakers* with rig inventory
- 2 – CRI *Haul off bins* with track system
- 2 – additional 500bbl *Frac tanks* for fresh and brine water
- 2 – 500bbl *water tanks* with rig inventory

**Equipment manufactures may vary due to availability but components will not*

Operation and Maintenance

The system along with equipment will be inspected numerous times a day by each tour to make sure all equipment is operating correctly. Routine maintenance will be done to keep system running properly. Any leak in system will be repaired and/or contained immediately and the OCD notified within 48 hours of the remediation process start.

Closure Plan

While drilling, all cuttings and fluids associated with drilling will be hauled off and disposed of via Controlled Recovery Incorporated Facilities Permit NM01-0006.

Permit Conditions of Approval

API: 30-015-42999

Category 31 State #14

OCD Reviewer	Condition
RDADE	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