

District I
1625 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
NM OIL CONSERVATION
Energy Minerals and Natural Resources
ARTESIA DISTRICT
OCT 13 2015
Oil Conservation Division
1220 South St. Francis Dr.
RECEIVED
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		⁴ OGRID Number 160825
³ Property Name Man Cave 7 State Com		⁵ API Number 30 - 015 - 43450
² Property Code 315319	⁶ Well No. 4H	

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
O	6	23S	26E		270	South	1270	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
P	7	23S	26E		240	South	360	East	Eddy

9. Pool Information

¹⁰ Pool Name WC-015 52326060	¹¹ Pool Code 98170
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Additional Well Information

¹² Work Type New Well	¹³ Well Type Gas	¹⁴ Cable/Rotary Rotary	¹⁵ Lease Type State	¹⁶ Ground Level Elevation 3411'
¹⁷ Multiple No	¹⁸ Proposed Depth 14,346' MD/9050' TVD	¹⁹ Formation Wolfcamp	²⁰ Contractor TBD	²¹ Spud Date 06/01/2016
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
Surface	16"	13 3/8"	48#	400'	400	0'
Intermediate	12 1/4"	9 5/8"	40#	5100'	1400	0'
Production	8 3/4"	5 1/2"	17#	14,346'	1850	5000'

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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: <i>Pam Stevens</i>		OIL CONSERVATION DIVISION	
Printed name: Pam Stevens		Approved By: <i>AP Dade</i>	
Title: Regulatory Analyst		Title: <i>Dist AP Sepewist</i>	
E-mail Address: pstevens@bcoperating.com		Approved Date: 11/5/2015	Expiration Date: 11/5/2017
Date: 09/30/2015	Phone: 432-684-9696	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 APL Number 30-05-43450		2 Pool Code 98170		3 Pool Name WC 015 52326060 Wolfe Wolfcamp (GAS)	
4 Property Code 315314		5 Property Name MAN CAVE 7 STATE COM			6 Well Number 4H
7 GRID No. 160825		8 Operator Name B.C. OPERATING, INC.			9 Elevation 3411'

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
O	6	T23S	R26E		270'	SOUTH	1270'	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
P	7	T23S	R26E		240'	SOUTH	360'	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320.00			

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>CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 482416.90 / X: 541589.19 B - Y: 482437.82 / X: 544088.55 C - Y: 477086.15 / X: 544126.63 D - Y: 477066.63 / X: 541621.32</p>		<p>SECTION 5</p>	
SECTION 1	SECTION 6	SECTION 8	
SECTION 12	SECTION 7	SECTION 17	
<p>SURFACE HOLE LOCATION 270' FSL 1270' FEL, SECTION 6 NAD 83, SPCS NM EAST Y: 482697.89 / X: 542834.68 LAT: 32.32700851N / LON: 104.32848626W NAD 27, SPCS NM EAST Y: 482639.57 / X: 501653.31 LAT: 32.32689214N / LON: 104.32798092W</p>		<p>PRODUCING AREA</p>	
<p>FIRST TAKE POINT 330' FSL 1150' FEL, SECTION 7 NAD 83, SPCS NM EAST Y: 482098.74 / X: 542540.56 LAT: 32.32536150N / LON: 104.32814355W NAD 27, SPCS NM EAST Y: 482040.43 / X: 501759.17 LAT: 32.32524511N / LON: 104.32763828W</p>		<p>SECTION 8</p>	
<p>LAST TAKE POINT 330' FSL 360' FEL, SECTION 7 NAD 83, SPCS NM EAST Y: 477413.33 / X: 543763.92 LAT: 32.31248181N / LON: 104.32547911W NAD 27, SPCS NM EAST Y: 477353.14 / X: 502582.41 LAT: 32.31236533N / LON: 104.32497436W</p>		<p>SECTION 17</p>	
<p>BOTTOM HOLE LOCATION 240' FSL 360' FEL, SECTION 7 NAD 83, SPCS NM EAST Y: 477323.31 / X: 543764.66 LAT: 32.31223442N / LON: 104.32547673W NAD 27, SPCS NM EAST Y: 477265.15 / X: 502583.15 LAT: 32.31211794N / LON: 104.32497199W</p>		<p>SECTION 8</p>	
SECTION 12	SECTION 7	SECTION 17	
SECTION 13	SECTION 18	SECTION 17	
<p>CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 482358.61 / X: 500487.83 B - Y: 482379.48 / X: 502907.15 C - Y: 477027.96 / X: 502945.11 D - Y: 477008.50 / X: 500439.83</p>		<p>SECTION 17</p>	

SHL

270'

1270'

330'

1150'

660'

660'

360'

330'

240'

BHL

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.

Pam Stevens 09/30/15
Signature Date

Pam Stevens
Printed Name

pstevens@bcoperating.com
E-mail Address

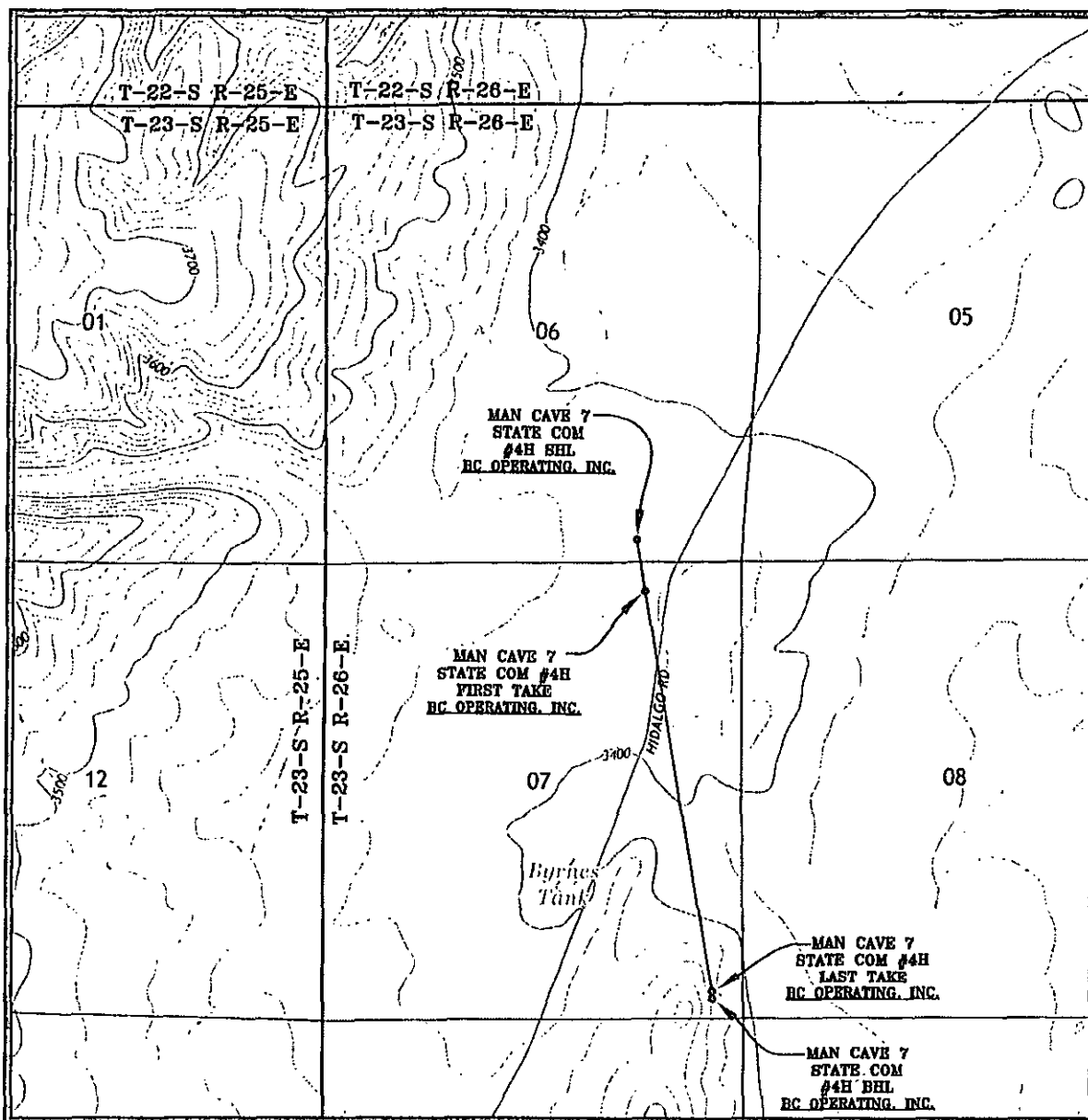
18 SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 24, 2015
Date of Survey

LLOYD P. SHORT
Signature and Seal of Professional Surveyor

LLOYD P. SHORT 21653
Certificate Number

LOCATION VERIFICATION MAP



SEC. 6 TWP. 23 S RGE. 26 E

SURVEY: N.M.P.M.

COUNTY: EDDY

DESCRIPTION: 270' FSL & 1270' FEL

ELEVATION: 3411'

OPERATOR: B.C. OPERATING, INC.

LEASE: MAN CAVE 7 STATE COM

U.S.G.S. TOPOGRAPHIC MAP: KITCHEN COVE, N.M.

SCALE: 1" = 2000'
CONTOUR INTERVAL = 20'

PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
318-323-6900 OFFICE
JOB No. R3588_004

The map displays a grid of 100-mile squares, with labels for various locations and roads. Key locations include:

- MAN CAVE 7 STATE COM #4H SHL RC OPERATING, INC.
- MAN CAVE 7 STATE COM #4H FIRST TAKE RC OPERATING, INC.
- MAN CAVE 7 STATE COM #4H LAST TAKE RC OPERATING, INC.
- MAN CAVE 7 STATE COM #4H BHL RC OPERATING, INC.

Roads shown include:

- REDWOOD RD/COUNTY RD. 67E
- DARK CANYON RD./COUNTY RD. 49B
- NATIONAL PARK HWY. 62

The map also shows a river and a building complex in the upper right corner.

SCALE: 1" = 2 MILES

PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
318-523-8900 OFFICE
JOB No. R3588_004

NEW MEXICO OIL CONSERVATION DIVISION
DISTRICT 2 OFFICE
811 S. FIRST
ARTESIA, NM 88210
(575)748-1283

CONDITIONS OF APPROVAL:

NAME OF OPERATOR: BC Operating
WELL NAME & NUMBER: mon CAVE 7 State Com 4 H
30-015- 43450

1. Trucking companies being used to haul oilfield waste to disposal facilities – commercial or private- shall have an approved NMOCD C-133 Permit. A copy of this permit shall be available in each truck used to transport waste products. It is the responsibility of the operator as well as the contractor to verify that this permit is in place. Drivers shall make permit available upon request of an OCD inspector. It is the responsibility of the operator to see to it that waste from their wells is being disposed of in a proper manner.
2. Once well is spud, to prevent groundwater contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the freshwater zone or zones and shall immediately set in cement the water protection string.

INITIALS AD
DATE 11/5/15