

**Bronco Utah Operations LLC**  
PO Box 527  
Emery, Utah 84522  
435-286-2447

January 28, 2020

**VIA E-MAIL**

Mr. Steve Christensen  
Utah Division of Oil, Gas and Mining  
Coal Program  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

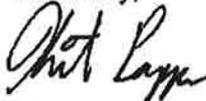
**RE: Bronco Utah Operations LLC  
Hidden Valley Mine  
DOG M Permit No. C/015/0007 Midterm Review Clean Copies Task ID 6045**

Mr. Christensen:

Per the Divisions memo dated January 10, 2020, please consider these clean copies to the above mentioned permit which includes an executed C1 form, C2 form, revised pages, and Plates.

If you have any questions concerning this request, please contact Kit Pappas at 435-286-2027.

Sincerely,



Kit Pappas  
Environmental Manager

Attachment Two hard copies Application for Coal Permit Processing

**RECEIVED**

**JAN 30 2020**

**DIV OF OIL, GAS & MINING**

## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** Bronco Utah Operations, LLC (BUOLLG)

**Mine:** Hidden Valley Mine

**Permit Number:** 015/0007

**Title:** Permit 015/0007 Mid Term Review Clean Copies

**Description, Include reason for application and timing required to implement:**

Permit 015/0007 Mid Term Review Clean Copies

Task ID 6046

01/20

**Instructions:** If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 2. Is the application submitted as a result of a Division Order? DO# _____  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?                                     |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 4. Does the application include operations in hydrologic basins other than as currently approved?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 6. Does the application require or include public notice publication?   |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 7. Does the application require or include ownership, control, right-of-entry, or compliance information?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 9. Is the application submitted as a result of a Violation? NOV # _____   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 10. Is the application submitted as a result of other laws or regulations or policies?<br><i>Explain:</i> _____                                   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 11. Does the application affect the surface landowner or change the post mining land use?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)                                |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 13. Does the application require or include collection and reporting of any baseline information?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 15. Does the application require or include soil removal, storage or placement?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 16. Does the application require or include vegetation monitoring, removal or revegetation activities?  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 17. Does the application require or include construction, modification, or removal of surface facilities?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 18. Does the application require or include water monitoring, sediment or drainage control measures?  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 19. Does the application require or include certified designs, maps or calculation?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring?   |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 21. Have reclamation costs for bonding been provided?   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 23. Does the application affect permits issued by other agencies or permits issued to other entities?   |

**Please attach one (1) review copy of the application.**

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

BRIAN R. FREDRICKSON

Print Name

*Brian R. Fredrickson* CEO/President 1-28-2020  
Sign Name, Position, Date

Subscribed and sworn to before me this 28 day of JANUARY, 2022

JOHN C. PAPPAS

Notary Public

My commission Expires:

MARCH 7, 20  

Attest:

State of

UTAH

County of CARBON

} ss:



**JOHN CHRISTOPHER PAPPAS**  
Notary Public - State of Utah  
My Commission Expires  
March 7, 2022  
COMMISSION NUMBER 638870

**For Office Use Only:**

Assigned Tracking  
Number:

Received by Oil, Gas & Mining



**CHAPTER I, APPENDIX I-1**

**Ownership and Control**

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**JAN 30 2020**

**Div. of Oil, Gas & Mining**

Revised 07/2019

## **Bronco Ownership and Control Explanatory**

The Bronco Utah Operations, LLC Ownership Chart sets forth the general ownership structure above Bronco Utah Operations, LLC. As set forth in the chart, Bronco Utah Operations is wholly owned and controlled by Bronco Coal Resources, LLC, which is in turn 99.99% owned and controlled by Sandton Credit Solutions Master Fund III, L.P. Sandton Credit Solutions Master Fund III, L.P. is completely controlled by its general partner, Sandton Credit Solutions III GP, LLC. Additional entities controlled by Sandton Credit Solutions III GP, LLC as general partner are included in the Ownership Chart for reference only to provide context to the Division of related entities controlled by the same general partner.

Please note that, for limited partnership entities above Sandton Credit Solutions Master Fund III, L.P. in the Bronco Utah Operations, LLC organizational chain, limited partnership interests do not imply control. Specifically, control over the business and operations of a limited partnership entity like Sandton Credit Solutions Master Fund III, L.P. is primarily—if not entirely—vested in the general partner. Even though the entity's limited partners may have the right to receive distributions from the entity, the limited partners nevertheless have no control over the limited partnership's activities unless such control is granted to them in the entity's limited partnership agreement. In the case of the limited partnerships above Bronco Utah Operations, LLC in the Ownership Chart, no such control is given to the limited partners; control over the business and affairs of each limited partnership (i.e., Sandton Credit Solutions Off-Shore III, L.P.; Sandton Credit Solutions Cayman Fund III, L.P.; Sandton Credit Solutions Onshore Fund III, L.P.; and Sandton Credit Solutions Master Fund III, L.P.) is vested completely in Sandton Credit Solutions III GP, LLC as general partner of each limited partnership.

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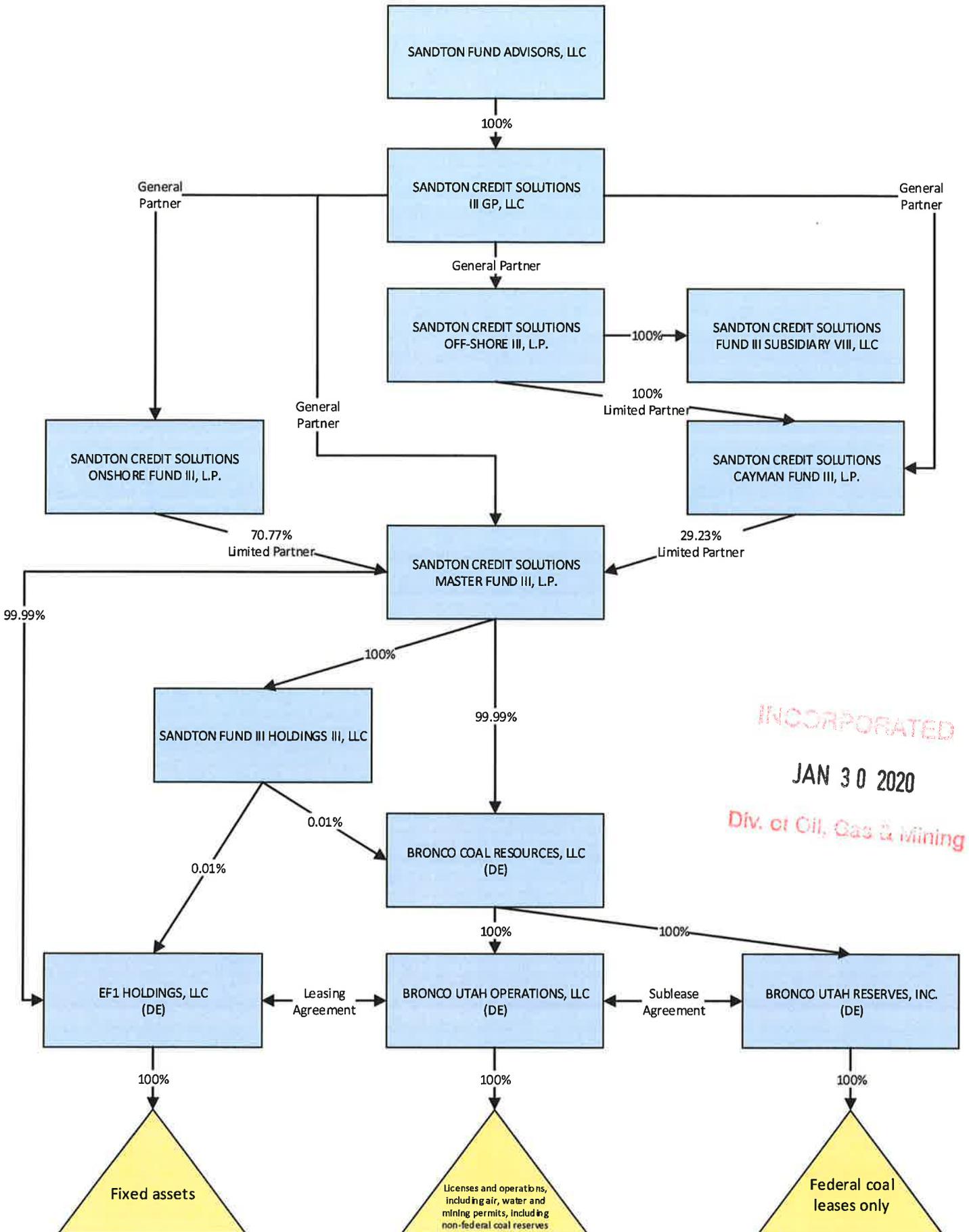
JAN 30 2020

Div. of Oil, Gas & Mining

Inserted 03/2016  
Revised 02/2019

# BRONCO COAL RESOURCES, LLC

## Ownership Chart



## Ownership and Control Report

**Company**    Bronco Utah Operations LLC

**FEIN:** 81-0698226

**Relationship**    Officer

NAME	TITLE	ADDRESS CITY      STATE ZIP	PHONE NO	OWNERSHIP %	START DATE END DATE
Daniel R. Baker	Chief Executive Officer/President	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	December 16, 2015 May 7, 2018
Gary Takenaka	Chief Operating Officer/Secretary/Treasurer	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	December 16, 2015 May 18, 2018
David Petty	Chief Financial Officer	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	December 16, 2015 August 3, 2017
Bronco Coal Resources, LLC	Owner	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	100%	N/A

\*No individuals own a 10% or greater interest in Bronco Utah Operations LLC.

Bart Hyita	Chief Executive Officer/President	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	April 17, 2018 April 1, 2019
Harold Cunningham	Treasurer/Secretary/Controller	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	May 18, 2018
Rick Parkins	Chief Executive Officer/President	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	April 1, 2019

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## Ownership and Control Report

**Company** Bronco Utah Reserves Inc.

**FEIN:** 81-0692203

**Relationship**

NAME	TITLE	ADDRESS			PHONE NO	OWNERSHIP %	START DATE	
		CITY	STATE	ZIP			END DATE	
Daniel R. Baker	Chief Operating Officer/President	Emery Mine, P.O. Box 527 Emery, UT 84522			435-286-2447	zero	December 16, 2015	May 7, 2018
Gary Takenaka	Chief Operating Officer/Secretary/Treasurer	Emery Mine, P.O. Box 527 Emery, UT 84522			435-286-2447	zero	December 16, 2015	May 18, 2018
David Petty	Chief Financial Officer	Emery Mine, P.O. Box 527 Emery, UT 84522			435-286-2447	zero	December 16, 2015	August 3, 2017
Bronco Coal Resources, LLC	Owner	Emery Mine, P.O. Box 527 Emery, UT 84522			435-286-2447	100%	N/A	

\*No individuals own a 10% or greater interest in Bronco Utah Reserves Inc.

Bart Hyita	Chief Executive Officer/President	Emery Mine, P.O. Box 527 Emery, UT 84522			435-286-2447	zero	April 17, 2018	April 1, 2019
Harold Cunningham	Treasurer/Secretary/Controller	Emery Mine, P.O. Box 527 Emery, UT 84522			435-286-2447	zero	May 18, 2018	
Rick Parkins	Chief Executive Officer/President	Emery Mine, P.O. Box 527 Emery, UT 84522			435-286-2447	zero	April 1, 2019	

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## Ownership and Control Report

**Company** EF1 Holdings, LLC

**FEIN:** 81-0815107

**Relationship**

NAME	TITLE	ADDRESS CITY STATE ZIP	PHONE NO	OWNERSHIP %	START DATE END DATE
Jordan Levy	Manager	25 West 45th Street New York, NY 10036	212-444-7200	zero	December 16, 2015
Rael Nurick	Manager	25 West 45th Street New York, NY 10036	212-444-7200	zero	December 16, 2015
Thomas Wood	Manager	25 West 45th Street New York, NY 10036	212-444-7200	zero	December 16, 2015
Dimitri Korvyakov	Manager	25 West 45th Street New York, NY 10036	212-444-7200	zero	December 16, 2015
Sandton Credit Solutions Master Fund III, L.P.	Owner	25 West 45th Street New York, NY 10036	212-444-7200	99.99%	N/A
Sandton Fund III Holdings III, L.P.	Owner	25 West 45th Street New York, NY 10036	212-444-7200	0.01%	N/A

\*No individuals own a 10% or greater interest in EF1 Holdings, LLC.

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## Ownership and Control Report

**Company** Bronco Coal Resources LLC

**FEIN:** 47-5158804

**Relationship** Officer

NAME	TITLE	ADDRESS CITY STATE ZIP	PHONE NO	OWNERSHIP %	START DATE END DATE
Daniel R. Baker	Chief Executive Officer/President	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	December 16, 2015 May 7, 2018
Gary Takenaka	Chief Operating Officer/Secretary/Treasurer	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	December 16, 2015 May 18, 2018
David Petty	Chief Financial Officer	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	December 16, 2015 August 3, 2017
Sandton Credit Solutions Master Fund III, L.P.	Owner	25 West 45th Street New York, NY 10036	435-286-2447	99.99%	N/A
Sandton Fund III Holdings III, L.P.	Owner	25 West 45th Street New York, NY 10036	435-286-2447	0.01%	N/A

\*No individuals own a 10% or greater interest in Bronco Coal Resources LLC.

Bart Hyita	Chief Executive Officer/President	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	April 17, 2018 April 1, 2019
Harold Cunningham	Treasurer/Secretary/Controller	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	May 18, 2018
Rick Parkins	Chief Executive Officer/President	Emery Mine, P.O. Box 527 Emery, UT 84522	435-286-2447	zero	April 1, 2019

Date: 7/15/2019

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## Ownership and Control Report

**Company** Sandton Credit Solutions Master Fund III, L.P. FEIN: 98-1113530

25 West 45th Street, New York, NY 10036

**Relationship** Authorized Person

NAME	TITLE	ADDRESS		PHONE NO	OWNERSHIP %	START DATE END DATE
		CITY	STATE ZIP			
Rael Nurick	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street New York, NY 10036		212-444-7200	zero	August 9, 2010
Thomas Wood	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street New York, NY 10036		212-444-7200	zero	August 9, 2010
Sandton Credit Solutions Onshore Fund III, L.P.	Limited Partner	25 West 45th Street New York, NY 10036		212-444-7200	70.77% Limited Partner Interest	N/A
Sandton Credit Solutions Cayman Fund III, L.P.	Limited Partner	25 West 45th Street New York, NY 10036		212-444-7200	29.23% Limited Partner Interest	N/A
Sandton Credit Solutions III GP, LLC	General Partner	25 West 45th Street New York, NY 10036		212-444-7200	100% Control Interest (General Partner)	N/A

\*No individuals own a 10% or greater control interest in Sandton Credit Solutions Master Fund III, L.P.

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## Ownership and Control Report

**Company** Sandton Fund III Holdings III, LLC      **FEIN:** 47-5678725      **25 West 45th Street, New York, NY 10036**

**Relationship** Authorized Person

NAME	TITLE	ADDRESS		PHONE NO	OWNERSHIP %	START DATE	
		CITY	STATE ZIP			END DATE	
Rael Nurick	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street		212-444-7200	zero	August 9, 2010	
		New York, NY 10036					
Thomas Wood	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street		212-444-7200	zero	August 9, 2010	
		New York, NY 10036					
Sandton Credit Solutions Master Fund III, L.P.	Owner	25 West 45th Street		212-444-7200	100%	N/A	
		New York, NY 10036					

\*No individuals own a 10% or greater interest in Sandton Fund III Holdings III, LLC.

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## Ownership and Control Report

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**Company** Sandton Credit Solutions Onshore Fund III, L.P. FEIN: 32-0413100

25 West 45th Street, New York, NY 10036

**Relationship** Authorized Person

NAME	TITLE	ADDRESS		PHONE NO	OWNERSHIP %	START DATE
		CITY	STATE ZIP			END DATE
Rael Nurick	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street		212-444-7200	zero	August 9, 2010
		New York, NY 10036				
Thomas Wood	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street		212-444-7200	zero	August 9, 2010
		New York, NY 10036				
Sandton Credit Solutions III GP, LLC	General Partner	25 West 45th Street		212-444-7200	100% Control Interest (General Partner)	N/A
		New York, NY 10036				

\*No individuals own a 10% or greater control interest in Sandton Credit Solutions Onshore Fund III, L.P.

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## Ownership and Control Report

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**Company** Sandton Credit Solutions Cayman Fund III, L.P. FEIN: 98-1114113

25 West 45th Street, New York, NY 10036

**Relationship** Authorized Person

NAME	TITLE	ADDRESS			PHONE NO	OWNERSHIP %	START DATE	
		CITY	STATE	ZIP			END DATE	
Rael Nurick	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street New York, NY 10036			212-444-7200	zero	August 9, 2010	
Thomas Wood	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street New York, NY 10036			212-444-7200	zero	August 9, 2010	
Sandton Credit Solutions Off-Shore III, L.P.	Limited Partner	25 West 45th Street New York, NY 10036			212-444-7200	100% Limited Partner Interest	N/A	
Sandton Credit Solutions III GP, LLC	General Partner	25 West 45th Street New York, NY 10036			212-444-7200	100% Control Interest (General Partner)	N/A	

\*No individuals own a 10% or greater control interest in Sandton Credit Solutions Cayman Fund III, L.P.

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## Ownership and Control Report

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**Company** Sandton Credit Solutions Off-Shore III, L.P. FEIN: 98-1113555

25 West 45th Street, New York, NY 10036

**Relationship** Authorized Person

NAME	TITLE	ADDRESS			PHONE NO	OWNERSHIP %	START DATE	
		CITY	STATE	ZIP			END DATE	
Rael Nurick	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street New York, NY 10036			212-444-7200	zero	August 9, 2010	
Thomas Wood	Managing Member of Sandton Fund Advisors, LLC	25 West 45th Street New York, NY 10036			212-444-7200	zero	August 9, 2010	
Sandton Credit Solutions III GP, LLC	General Partner	25 West 45th Street New York, NY 10036			212-444-7200	100% Control Interest (General Partner)	N/A	

\*No individuals own a 10% or greater control interest in Sandton Credit Solutions Off-Shore III, L.P.

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**APPENDIX I-3**

**LIST OF PERMITS**

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**Replaced 01/2020**

Permits affiliated with officers of Bronco Utah operations within the last five years from April 2018

No permits associated with new officers

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Replaced 01/2020

**APPENDIX I-4**

**LIST OF VIOLATIONS**

**APPENDIX 1-4-A Hidden Valley**

**APPENDIX 1-4-B Emery deep**

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Replaced 01/2020

**APPENDIX I-4-A**

**Hidden Valley – List of Violations  
No violations**

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**Replaced 01/2020**

**APPENDIX I-4-B**

**Emery Deep – History of Violations**

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Emery Deep Violations

DOGM NOV #21192 dated 3/3/17 for Failure of Water Monitoring.

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Replaced 01/2020

## UMC 817.133 Postmining Land Use

The original permit contemplated reclaiming approximately 6.7 acres of disturbed land in the fall of 1986 with completion by December 31, 1986. The entire 960 acres (section 18, all and section 17, W1/2) is currently under Permit ACT 015/0007. Bronco Utah Operations currently holds reclamation bond on this area. CalMet, the applicant under the original interim permit, began initial construction of an underground coal mine in the late 1970's. Approximately 6.7 acres of surface was affected by CalMet during construction of a haul road into the canyon, a buried culvert to direct unaffected surface drainage under the affected area, a sediment pond to control affected surface runoff, and four exploratory adits into both the A seam and CD Seam (CalMet called this the B seam). Topsoil was not required to be removed under the original permit. The mine never reached full production and CalMet began reclamation in 1987 under a permanent program Mining and Reclamation Plan approved by the Division. Consol purchased the property in 1995 and assumed the mining permit, bond and reclamation liability. Consol was in the process of completing final reclamation on the site until the decision was reached to investigate the mineability of the A seam. The majority of the reclamation work was completed then with the exception of the "A" and "B" seam benches. With the approval of Amendment 97B on September 22, 1997, the B seam side was reclaimed with the "A" seam side to follow a few years later, once vegetative success was demonstrated. Per Emery Deep mine's 2011 annual report and Hidden Valley mid-term review deficiency task 4604, CONSOL will initiate discussions with DOGM regarding development of a reclamation strategy for the remaining disturbed portions of the Hidden Valley Mine. With market changes in mid-2005, CONSOL requested that the reclamation of the "A" side seam bench be postponed. Submittal in 2006 of a Minor Exploration Permit for exploratory drilling and a Major Exploration Permit to re-open both "A" and "B" adits for test coal shipments followed with further requests to postpone reclamation due to the possibility of opening a large scale underground mine at the site. All water monitoring and sediment control maintenance have remained functional. Bronco Utah Operations purchased the Hidden Valley mine from CONSOL in 2015. At this time, Bronco has decided to proceed with final bond release of Permit ACT 015/0007 Hidden Valley Mine. Bronco continues to own in fee the 480 acres adjacent to the north side of the present permit boundary.

### Borehole Reclamation:

During the exploration phase of the Minor Exploration Permit (MEP) in 2006/2007, CONSOL drilled nine exploration boreholes. Upon completion of down-hole procedures, six of the nine exploration bore holes were reclaimed per MEP requirements. The remaining three boreholes (HV-06-01, HV-06-02 and HV-06-03) were completed as groundwater monitoring wells to supply background information for the contemplated Major Exploration Permit and subsequent Major Revision to this MRP. Bronco currently holds water rights transferred to these wells by CONSOL. At final bond release, Bronco requests that these wells be left in place for future water use on the property.

Revised 12/2014  
Revised 01/2020

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<b>Total Reclamation Bond 2004 Dollars</b>	<b>\$95,501.00</b>	
<hr/>		
<b>2005 Escalation Factor</b>		1.016
# of Years		1
Escalation Dollars	\$1,528.02	
Total 2005 Dollars	\$97,029.02	
<hr/>		
<b>2006 Escalation Factor</b>		1.032
# of Years		1
Escalation Dollars	\$3,104.93	
Total 2006 Dollars	\$100,133.94	
<hr/>		
<b>2007 Escalation Factor</b>		1.038
# of Years		1
Escalation Dollars	\$3,805.09	
Total 2007 Dollars	\$103,939.03	
<hr/>		
<b>2008 Escalation Factor</b>		1.013
# of Years		1
Escalation Dollars	\$1,351.21	
Total 2008 Dollars	\$105,290.24	
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<b>2009 Escalation Factor</b>		1.005
# of Years		1
Escalation Dollars	\$526.45	
Total 2009 Dollars	\$105,816.69	
<hr/>		
<b>2010 Escalation Factor</b>		1.017
# of Years		1
Escalation Dollars	\$1,798.88	
Total 2010 Dollars	\$107,615.58	
<hr/>		
<b>2011 Escalation Factor</b>		1.012
# of Years		1
Escalation Dollars	\$1,291.39	
Total 2011 Dollars	\$108,906.96	
<hr/>		
<b>2012 Escalation Factor</b>		1.015
# of Years		1
Escalation Dollars	\$1,633.60	
Total 2012 Dollars	\$110,540.57	

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Dept. of Public Safety

Hidden Valley Mine  
 C/015/007  
 Task 6045 Midterm Review

Midterm Review  
 Bond Cost Estimates

January 2020

<b>2013 Escalation Factor</b>		1.015
# of Years		1
Escalation Dollars	\$1,658.11	
Total 2013 Dollars	\$112,198.68	
<b>2014 Escalation Factor</b>		1.019
# of Years		1
Escalation Dollars	\$2,131.77	
Additon of 3 Monitoring wells	\$5,421.00	
Total 2014 Dollars	<u>\$119,751.45</u>	
<b>2014 Escalation Factor @ 1.019</b>		1.019
# of Years / Next MidTerm Review 2019		5
Escalation Dollars	<u>\$11,816.98</u>	

Total 2019 Dollars \$131,568.43

<b>Total 2019 Reclamation Bond Rounded to Nearest \$1,000</b>	<b>\$132,000.00</b>
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Bond Posted in 2014 in 2019 Dollars \$132,000.00

Bond escalated from 2019 to 2024 at 2.32%/year \$148,000

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adit slope, with the resulting material removed from the slope to be used to flatten the area between the slope and Ivie Creek. After reconfiguration of the area, it is planned to remove rocky materials from the lower area of the access road and road slope to be used to apply a coarse fragment cover of approximate 12" thickness to the regraded "B" seam adit slope, and to create a series of depressions upon the slope through surface roughening. Selected material from the same source will be used to selectively apply a partial cover of coarse fragments to the flattened area between the slope and Ivie Creek. This area will also be surface roughened. Further, selected coarse materials will be used to effectively "riprap" the transition slope from the flattened area to existing grade (see drawing).

The expected result will be to restore the adit slope to more closely resemble the area prior to disturbance. The use of coarse, rocky material to cover the slope, in conjunction with surface roughening, will also serve to prevent erosion, and help in re-vegetation through water harvesting and the shading effect of the larger fragments. In regrading the area between the slope and the Creek, the result will be a flatter configuration that will serve to minimize erosion and to better harvest available moisture. Any possibility of this area flowing directly into Ivie Creek will be eliminated by construction of a deflection berm. The partial application of coarse fragments in combination with surface roughening over this general area is to provide the same benefits, i.e. the harvesting of moisture, shading, and the prevention of sediment production and transport.

Phase 2 (only to be initiated if revegetation study does not support bond release) of the two-part project is to consist of the same treatment to the slope covering the "A" seam adit, with the exception that this slope will not require regrading, as it is presently at 2H: IV, which is about the steepest that can be safely traversed by construction equipment in application of coarse fragments. This phase of the project will depend on the success evident with the first phase. Revegetation of disturbed sites in this part of the U.S. is, admittedly, difficult, and it is appropriate to evaluate the success of this first phase of the project prior to continuing.

#### D. Construction

The site will be accessed using the present roadway. Equipment will consist of a crawler bulldozer, an endloader, a hydraulic excavator, and necessary support such as fueling equipment and pickup trucks. The bulldozer will be used in the initial operations of pushing the present topsoil from the adit slope for redistribution on the surface in combination with the coarse material described below. The bulldozer will then regrade the adit slope, pushing the material from the slope to the area between the slope and Ivie Creek. Grading will be done so as to make certain that any dark material or material of suspect quality will not be exposed on the surface. Any dark lithochromic shale will be buried under the deepest layer of fill and soil cover. The endloader will then excavate, carry, and deposit the coarse material and surface soil on both the slope and the flattened area. The excavator will serve to place the coarse fragments on the area, as well as to roughen the surface. All machines will be used to configure and finish grade the roadway area so as to restore it to a condition such that future access is available.

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Revised 10/2009  
Revised 01/2020

## F. Postmining Land Use

The discussion regarding postmining land use in the 1986 submittal by Soldier Creek Coal Company addressed cattle grazing and wildlife habitat. The submittal goes on to say that "The disturbed area is mostly sandstone talus slopes that provide little livestock forage or wildlife habitat as is generally defined. This revegetation will not provide either wildlife or livestock forage of any significance but will stabilize the site".

Realistically, revegetation of the disturbed area will contribute to stability of the site, but will not be a major contributor to grazing livestock. The usage evident of the site during the time it has been under Consolidation control was by wildlife. Considering this, reclassification of the postmining land use to wildlife habitat is the most appropriate category.

## G. Revegetation Study and Bond Release

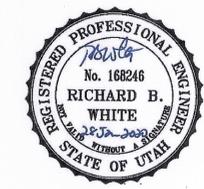
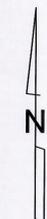
Bronco Utah Operations LLC has decided to proceed with final bond release of Hidden Valley Mine. There were 6.7 acres reported as disturbed by the original permittee (CalMet). For the location of the vegetation reference areas and disturbed (reclaimed) areas at the site, refer to Plate III (Final Reclamation Map) and Plate III-1 (Disturbed boundary and Bond release map). The disturbed areas consists of 2.5 acres of road into the canyon, and 4.2 acres of reclaimed mine facility area in the canyon including the A and C seam adits. Phase I bond release on the 6.7 acres was approved by the Division on July 17, 1988. On Sept 24, 2019 a site visit was initiated to locate the approved reference area used to determine vegetation success on the reclaimed area. Representatives from DOGM, Bronco, Mt. Nebo, and Barr located and collected coordinates of the reference area and discussed future study methods to determine revegetation success standards applicable for Phase II and III bond release. During discussions in the field and a subsequent meeting with the Division in Salt Lake City on Sept. 24, 2019, it was decided that the growing season of 2020 would be the appropriate time to sample the reclaimed areas as well as the reference area(s) to determine whether or not Phase II and Phase III bond release may be warranted.

There was a discussion in the field about adding a second reference area at the mine site to compare with Side A of the reclaimed areas (1.4 acres) because the slope, exposure and soils seemed to be more similar to the undisturbed slopes directly above this reclaimed area than the current single reference area. Because a new site was chosen as a potential new reference area by DOGM, Bronco, Mt. Nebo and Barr during the same onsite visit, the site could also easily be sampled in 2020. When results from quantitative sampling the areas are known, Bronco and DOGM will then determine the appropriate bond release strategy. The revegetation sample results will be submitted via the 2020 annual report.

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- LEGEND:**
- PERMIT BOUNDARY
  - Disturbed Boundary
  - B Side Reference Area
  - Proposed A Side Reference Area

- TOTAL = 6.7 ACRES**
- Graded/Seeded Benches & Disturbed Areas
  - Coal Seam Backfill
  - B Side Reference Area
  - Potential A Side Reference Area

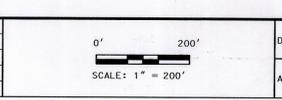
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**BARR**

BASE MAP:  
 COUNTY PURCHASED SURFACE TOPOGRAPHY,  
 DERIVED FROM THE 2012 COORDINATES TO MAP 83  
 AND PORTIONS OF USGS TOPOGRAPHY (EAST SIDES)  
 COORDINATE SYSTEM:  
 STATE PLANE COORDINATES  
 UTAH ZONE 12N, CENTRAL - US FEET  
 VERTICAL DATUM - NAVD 88 - US FEET

**EXTERNAL REFERENCES:**  
 Hidden Valley Work Map-n83v8.dwg  
 Hidden Valley Topo-511-v8.moved to usgs.dwg  
 NAD83-USGS TOPD.dwg

NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION



DRAWN BY : JBL  
 CHECKED BY : JAG  
 ORIGINAL DATE : 3/06  
 APPROVED BY : JAG  
 DGN DATA :  
 Hidden Valley Permit Block  
 n83v8.barr-JBL.dwg

**BRONCO UTAH OPERATIONS, LLC**  
 P.O. BOX 527  
 PRICE, UT 84522

**HIDDEN VALLEY MINE**  
 EMERY COUNTY, UTAH  
 PERMIT NO. ACT015/007

**Plate III-1**  
 Disturbed & Bonding

P:\SubArea\City\441108\44081007\_Bronco\_Hidden\_Valley\_Mine\Work\Permit\Barr\Barr-Cad\83v8.dwg - SEP 15 10:30 AM - JBL.dwg 10/23/2019 6:56:49 AM